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Plant Responses to Salinity

A Supplement to an Indexed Bibliography

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A Supplement to an Indexed Bibliography

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ABSTRACT - PLANT RESPONSE TO SALINITY: A SUPPLEMENT TO AN INDEXED BIBLIOGRAPHY

Francois, L. E., and E. V. Maas, editors. 1985. Plant Responses to Salinity: A supplement to an Indexed Bibliography. U.S. Department of Agriculture, Agricultural Research Service, ARS-24, 174 pp.

This supplement to a computer-based bibliography on salt and boron effects on whole plants contains 1,001 literature citations (ARM-W-6, issued October 1978); the complete bibliography now contains 3,358 citations covering the period from 1900 to 1984. Keywords for each citation cover plants studied, experimental materials and methods used, treatments and variables evaluated, and results and data obtained. Computer-generated indexes allow rapid identification of desired entries by plant name or subject.

PREFACE

This computer-based bibliography was first published in 1978 to provide ready access to literature citations on plant responses to salinity and boron from 1900 to 1977 (ARM-W-6, issued October 1978). Since then, 1,001 additional citations have been added to the bibliography. These citations, which cover the period from 1977 to 1984, as well as some citations missed prior to 1977 are included in this supplement. Like the original bibliography, it lists publications dealing primarily with whole plants. Physiological and biochemical studies of salt effects on plant tissues and constituents were omitted.

All publications were reviewed for specific information on the plants studied, experimental materials and methods used, treatments and variables evaluated, and the results and data obtained. This information is included in the bibliography in the form of keywords. A computer-generated index allows rapid identification of the desired entries by plant names or by subject.

The bibliography was compiled on FAMULUS, a computer-readable literature retrieval system developed by Dr. Hilary Burton (USDA Forest Service Research Note PSW-193, 1969). Corrections and additions to this data base are being made continuously. We respectfully request that users bring any errors and omissions to our attention. It is our intention to keep this bibliography current and accurate through periodic revisions. To facilitate this task, we solicit reprints of any new papers published on this subject. Our address is U.S. Salinity Laboratory, USDA-ARS, 4500 Glenwood Drive, Riverside, Calif. 92501.

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INSTRUCTIONS FOR USE

Bibliographic Format

The citations are listed alphabetically by author and appear in the following order: Citation number; authors; title; language of article (other than English); journal name, volume, page numbers, and year; common plant names; botanical names; and keywords that describe methods, treatments, and results. The keyword categories are separated by double spaces.

Language Abbreviations

The following abbreviations are used to indicate the language of papers not published in English. Where English summaries were included, they are indicated by the abbreviation, ENG SUM.

AFR	Afrikaans	ITA	Italian
ARA	Arabic	JAP	Japanese
ARM	Armenian	KOR	Korean
CHI	Chinese	NOR	Norwegian
CZE	Czech	POL	Polish
DAN	Danish	POR	Portuguese
DUT	Dutch	RUM	Rumanian
FIN	Finnish	RUS	Russian
FRE	French	SPA	Spanish
GER	German	TUR	Turkish
HEB	Hebrew	UKR	Ukrainian
HUN	Hungarian		

Botanical Details

Many plant species have several common names and others none at all. For this reason and because some names are used differently in different regions, we recommend the use of botanical names whenever possible. Nevertheless, common names are included for convenience. Lesser known names used in many foreign publications were changed to popular names known to us. Hortus Third (MacMillian Publishing Co., New York, 1976) was used as the authority where possible. Other reference sources used included:

Bailey, L. H. 1949. Manual of Cultivated Plant MacMillian Co., New York.

Munz, P. A. and Keck, D. D. 1965. A California Flora. University of California Press, Berkeley Calif.

Robbins, W. W., Bellue, M. K. and Ball, W. S. 1970. Weeds of California. Documents and Publications, Sacramento, Calif.

Willis, J. C. 1973. A Dictionary of the Flowering Plants and Ferns. Ed. 8. Cambridge University Press.

Compound names are listed with the primary name first followed by appropriate modifiers, for example, clover, white New Zealand. Botanical names are grouped by families and include family, genus, species, and occasionally variety, for example, *Gramineae: Zea mays, Hordeum vulgare; Chenopodiaceae: Beta vulgaris; Cruciferae: Brassica oleracea var. capitata.*

Indexes

Four indexes are provided to locate specific citations of interest. They provide alphabetical listings of common plant names, botanical plant names, terms describing treatments, and terms describing results.

Generally, each plant species is listed under one common name. Referrals are provided for a number of synonymous names. Hyphenated names appear alphabetically after the complete listing of nonhyphenated names. Some general terms (for example, cactus and thorns) appear because species were not identified; however, these terms are not all inclusive. Botanical names are listed by genus, species (unless unknown), and, in some cases, variety.

Both the treatment and result indexes include all the terms mentioned in those respective categories. Treatment salts are not identified as such but are listed as the constituent ions. Users are advised to refer to synonymous and related terms to locate all citations relevant to a particular subject.

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SALT TOLERANCE BIBLIOGRAPHY

1. ABD EL-MALIK, S. H.; SOLIMAN, M. F.; BAKHATI, H. K.; MITKEES, A. I.; ISKANDER, A. Z.; MICHAIL, N. H. EFFECT OF SOWING DEPTH, TIME OF IRRIGATION, AND CALCIUM CARBONATE PERCENTAGE ON THE VEGETATIVE GROWTH OF CORN IN CALCAREOUS SOIL. AGRIC. RES. REV. 51: 9-15. 1973. CORN GRAMINEAE: ZEA MAYS POT, SOIL CALCIUM, CARBONATE VEGETATIVE GROWTH

2. ABDEL SALAM, M. A.; EL KADI, M. A. PLANT GROWTH AND MINERAL CONTENT OF BARLEY AS RELATED TO IRRIGATION WITH BICARBONATE WATERS. PLANT SOIL 23: 377-384. 1965. BARLEY GRAMINEAE: HORDEUM VULGARE SAND, LYSIMETER CALCIUM, CHLORIDE, MAGNESIUM, SODIUM, NITRATE, BICARBONATE SHOOT GROWTH, ROOT GROWTH, GRAIN YIELD, MINERAL COMPOSITION

3. ABDEL-MESSIH, M. N.; ROKBA, A. M.; EL-SHOURBAGY, M. A.; EL-NOKRASHY, M. A. EFFECT OF DIFFERENT SALINITY LEVELS ON LEAF MINERAL COMPOSITION OF SOME CITRUS STOCK SEEDLINGS. EGYPT. J. HORTIC. 6: 81-89. 1979. ORANGE, SOUR; MANDARIN, CLEOPATRA; LEMON, ROUGH; ORANGE, POORMAN RUTACEAE: CITRUS AURANTIUM, CITRUS RETICULATA, CITRUS LIMON CALCIUM, SODIUM, CHLORIDE MINERAL COMPOSITION

4. ABDUL SAMAD, A.; SHANMUGASUNDARAM, A.; RAJAGOPALAN, K. BREEDING OF RICE VARIETIES FOR SALINE AND ALKALINE AREAS IN MADRAS STATE. RICE NEWS TELLER 8:10-12. 1960. RICE GRAMINEAE: ORYZA SATIVA POT, SOIL, LYSIMETER, GREENHOUSE VARIETY GRAIN YIELD, HYBRIDS, INHERITANCE

5. ABDUL-WAHAB, A. S.; AL-JUBOORY, B. A. DEVELOPMENT OF TOLERANCE BY COTTON PLANT TO GRADUAL INCREASE IN SODIUM CHLORIDE CONCENTRATION IN THE SOIL. BULL. COLL. SCI. UNIV. BAGHDAD 16: 217-224. 1975. COTTON MALVACEAE: GOSSYPIUM POT, SOIL SODIUM, CHLORIDE FLOWERING, VEGETATIVE GROWTH

6. ABDULLAH, Z.; AHMAD, R.; AHMED, J. SALINITY INDUCED CHANGES IN THE REPRODUCTIVE PHYSIOLOGY OF WHEAT PLANTS. PLANT CELL PHYSIOL. 19: 99-106. 1978. WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, SOIL SODIUM, CHLORIDE, BICARBONATE, CALCIUM, MAGNESIUM, SULFATE SEED YIELD, POLLEN VIABILITY, SEED WEIGHT, MINERAL COMPOSITION, STARCH SYNTHETASE.

7. ABDULRAHMAN, F. S; WILLIAMS, G. J. TEMPERATURE AND SALINITY REGULATION OF GROWTH AND GAS EXCHANGE OF SALICORNIA - FRUTICOSA(L.) L. OECOLOGIA 48: 346-352. 1981. CHENOPODIACEAE: SALICORNIA FRUTICOSA POT, GROWTH CHAMBER, WATER CULTURE TEMPERATURE, SODIUM, CHLORIDE VEGETATIVE GROWTH, RESPIRATION, PHOTOSYNTHESIS, TRANSPIRATION, WATER USE, STOMATAL RESISTANCE, MESOPHYLL RESISTANCE, OSMOTIC PRESSURE

8. ABROL, I. P.; BHUMBLA, D. R. CROP RESPONSES TO DIFFERENTIAL GYPSUM APPLICATIONS IN A HIGHLY SODIC SOIL AND THE TOLERANCE OF SEVERAL CROPS TO EXCHANGEABLE SODIUM UNDER FIELD CONDITIONS. SOIL SCI. 127: 79-85. 1979. RICE; WHEAT; PEA, CHICK; DHAINCHA; GRAM, BLACK; LENTIL; MILLET, PEARL GRAMINEAE: ORYZA SATIVA, TRITICUM AESTIVUM, PENNISETUM AMERICANUM; LEGUMINOSAE: CICER ARIETINUM, SESBANIA ACULEATA, VIGNA MUNGO, LENS CULINARIS FIELD, SOIL GYPSUM, SODIC SOIL, CALCIUM, SULFATE YIELD, EXCHANGEABLE SODIUM PERCENTAGE

9. ACHARYA, C. L.; SANDHU, S. S.; ABROL, I. P. EFFECT OF EXCHANGEABLE SODIUM ON THE RATE AND PATTERN OF WATER UPTAKE BY RAYA (BRASSICA JUNCEA L.) IN THE FIELD. AGRON. J. 71: 936-941. 1979. MUSTARD CRUCIFERAE: BRASSICA JUNCEA FIELD PLOT GYPSUM, CALCIUM, SULFATE, SODIUM, SODIC SOIL ROOT WATER EXTRACTION

10. ADAMS, J. A.; BINGHAM, F. T.; KAUFMANN, M. R.; HOFFMAN, G. J.; YERMANOS, D. M. RESPONSES OF STOMATA AND WATER, OSMOTIC AND TURGOR POTENTIALS OF JOJOBA TO WATER AND SALT STRESS. AGRON. J. 70: 381-387. 1978. JOJOBA BUXACEAE: SIMMONDSIA CALIFORNICA GREENHOUSE, SAND, POT SODIUM, CHLORIDE, CALCIUM LEAF WATER CONTENT, OSMOTIC POTENTIAL,

TRANSPIRATION

11. ADUAYI, E. A. ROLE OF BORON ON GROWTH, COMPONENTS AND ELEMENTAL COMPOSITION OF 'IFE-PLUM' TOMATO. COMMUN. SOIL SCI. PLANT ANAL. 9:1-11. 1978. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM GREENHOUSE, SOIL BORON BORON TOXICITY, VISUAL SYMPTOMS, MINERAL COMPOSITION

12. ADUAYI, E. A.; ADEGBITE, A. K. RESPONSE OF OKRA PLANTS TO ROOT AND FOLIAR APPLIED BORON. SOIL SCI. PLANT ANAL. 10: 911-925. 1979. OKRA MALVACEAE: HIBISCUS ESCULENTUS WATER CULTURE BORON, FOLIAR SPRAY VEGETATIVE GROWTH, CHLOROPHYLL, CAROTENE, MINERAL COMPOSITION

13. AFZAL, M.; RASHID, M. GERMINATION OF SEEDS OF WHEAT VARIETIES IN SALINIZED SOILS. WEST PAK. J. AGRIC. RES. 6:1-5. 1968. WHEAT GRAMINEAE: TRITICUM AESTIVUM GERMINATION DISHES, POT, SOIL SODIUM, CHLORIDE GERMINATION

14. AGARWAL, R. R.; YADAV, J. S. P.; GUPTA, R. N. PLANT GROWTH ON SALINE AND ALKALI SOILS. IN: SALINE AND ALKALI SOILS OF INDIA, ICAR, CHAP. 9: 203-222. 1979.

15. AGARWALA, S. C.; MEHROTRA, N. K. GROWTH AND METABOLISM OF RICE PLANTS SUBJECTED TO HIGH ALKALINITY (SAR) IN IRRIGATION WATERS AND SOIL CALCAREOUSNESS. INDIAN J. PLANT PHYSIOL. 21:59-65. 1978. RICE GRAMINEAE: ORYZA SATIVA SOIL, POT SODIUM, BICARBONATE, CALCIUM, CHLORIDE, MAGNESIUM, SULFATE STRAW YIELD, CATALASE, PEROXIDASE, CHLOROPHYLL, GRAIN YIELD, GROWTH RATE

16. AGARWALA, S. C.; MEHROTRA, N. K. SALT TOLERANCE OF SOME SUGARBEET VARIETIES DURING EARLY STAGES OF GROWTH. INDIAN J. PLANT PHYSIOL. 22: 167-172. 1979. BEET, SUGAR CHENOPODIACEAE: BETA VULGARIS POT, SOIL SODIUM, CALCIUM, MAGNESIUM, CHLORIDE, SULFATE, VARIETY GERMINATION, VEGETATIVE GROWTH, GROWTH RATE

17. AGARWALA, S. C.; MEHROTRA, N. K. TOLERANCE OF MAIZE VARIETIES TO HIGH S.A.R. IN IRRIGATION WATERS. INDIAN J. AGRON. 24: 92-94. 1979. CORN GRAMINEAE: ZEA MAYS POT, SOIL VARIETY, SODIUM ADSORPTION RATIO VEGETATIVE GROWTH

18. AHLUWALIA, A.; SRIVASTAVA, A. K. ECOPHYSIOLOGICAL MEASURE TO INDUCE HARDINESS AGAINST SALT-MOISTURE-TEMPERATURE STRESS IN VIGNA RADIATA DURING GERMINATION. INDIAN J. ECOL. 4: 157-166. 1978. BEAN, MUNG LEGUMINOSAE: VIGNA RADIATA GERMINATION DISHES SEED PRETREATMENT, CYCOCEL, CALCIUM, CHLORIDE, GIBBERELLIC ACID, MANNITOL, SODIUM GERMINATION

19. AHMAD, I.; LARHER, F.; STEWART, G. R. SORBITOL, A COMPATIBLE OSMOTIC SOLUTE IN PLANTAGO MARITIMA. NEW PHYTOL. 82: 671-678. 1979. PLANTAGINACEAE: PLANTAGO MARITIMA WATER CULTURE, AERATION SODIUM, CHLORIDE, SORBITOL MINERAL COMPOSITION

20. AHMAD, I.; NAWAZ, R.; NIAZI, K. INTERACTION OF SOIL SALINITY AND AERATION ON THE PERFORMANCE OF JANTER (SESBANIA AEGYPTICA) AND GUARA (CYAMOPSIS PSORALIOIDES) AS GREEN MANURING CROPS. PAK. J. SCI. 29: 40-42. 1977. GUAR LEGUMINOSAE: SESBANIA AEGYPTIACA, CYAMOPSIS PSORALOIDES POT, SCREENHOUSE, SOIL SODIUM, CALCIUM, CHLORIDE, SOIL TYPE, AERATION VEGETATIVE GROWTH, NITROGEN CONTENT

21. AHMAD, I.; WAINWRIGHT, S. J. ECOTYPE DIFFERENCES IN LEAF SURFACE PROPERTIES OF AGROSTIS STOLONIFERA FROM SALT MARSH, SPRAY ZONE AND INLAND HABITATS. NEW PHYTOL. 76: 361-366. 1976. BENTGRASS, CREEPING GRAMINEAE: AGROSTIS STOLONIFERA POT, GREENHOUSE SODIUM, CHLORIDE, SALT SPRAY GENETIC ADAPTATION

22. AHMAD, I.; WAINWRIGHT, S. J. TOLERANCE OF SALT, PARTIAL ANAEROBIOSIS AND OSMOTIC STRESS IN AGROSTIS STOLONIFERA NEW PHYTOL. 79:605-612. 1977. BENTGRASS, CREEPING GRAMINEAE: AGROSTIS STOLONIFERA WATER CULTURE SODIUM, CHLORIDE, POLYETHYLENE GLYCOL ROOT GROWTH, OSMOTIC PRESSURE

23. AHMAD, I.; WAINWRIGHT, S. J.; STEWART, G. R. THE SOLUTE AND WATER RELATIONS OF AGROSTIS STOLONIFERA ECOTYPES DIFFERING IN THEIR SALT TOLERANCE. NEW PHYTOL. 87: 615-629. 1981. BENTGRASS, CREEPING GRAMINEAE: AGROSTIS STOLONIFERA WATER CULTURE SODIUM, CHLORIDE VEGETATIVE GROWTH, OSMOTIC PRESSURE

24. AHMAD, I.; WYN JONES, R. G. GLYCINEBETAINE, PROLINE AND INORGANIC ION LEVELS IN BARLEY SEEDLINGS FOLLOWING TRANSIENT STRESS. PLANT SCI. LETT. 15: 231-237. 1979. BARLEY GRAMINEAE: HORDEUM VULGARE VERMICULITE, POTS AERATION, SODIUM, CHLORIDE VEGETATIVE GROWTH, SODIUM UPTAKE, CHLORIDE UPTAKE, OSMOTIC PRESSURE

25. AHMAD, R.; ABDULLAH, Z. BIOMASS PRODUCTION OF FOOD AND FIBER CROPS USING HIGHLY SALINE WATER UNDER DESERT CONDITIONS. IN: BIOSALINE RESEARCH: A LOOK TO THE FUTURE. A. SAN PIETRO (ED.). PLENUM PUBL. CORP. 149-163. 1982. BEET; COTTON CHENOPODIACEAE: BETA VULGARIS; MALVACEAE: GOSSYPIUM HIRSUTUM POT, SAND SEA WATER VEGETATIVE GROWTH

26. AHMAD, R.; ABDULLAH, Z. SALINITY INDUCED CHANGES IN THE GROWTH AND CHEMICAL COMPOSITION OF POTATO. PAK. J. BOT. 11: 103-112. 1979. POTATO SOLANACEAE: SOLANUM TUBEROSUM POT, SOIL SODIUM, CHLORIDE, MAGNESIUM, SULFATE, CALCIUM, BICARBONATE, VARIETY REDUCING SUGAR, CHLOROPHYLL, PROTEIN, GLYCOALKALOIDS, VEGETATIVE GROWTH, TUBER YIELD

27. AHMAD, R.; ABDULLAH, Z. N. BIOMASS PRODUCTION ON SANDY DESERTS USING HIGHLY SALINE WATER. BIOTECHNOLOGY AND BIOENGINEERING SYMPOSIUM. NO. 10. JOHN WILEY AND SONS, INC.; NEW YORK, N.Y. P 121-124. 1980. CORN; WHEAT; BEET, SUGAR; POTATO; COTTON GRAMINEAE: ZEA MAYS, TRITICUM AESTIVUM; CHENOPODIACEAE: BETA VULGARIS; SOLANACEAE: SOLANUM TUBEROSUM; MALVACEAE: GOSSYPIUM HIRSUTUM DESERT CLIMATE, SAND SEA WATER VEGETATIVE GROWTH, SEED QUALITY, YIELD, EMERGENCE

28. AHMED, A. M.; HEIKAL, M. D.; SHADDAD, M. A. GROWTH, PHOTOSYNTHESIS AND FAT CONTENT OF SOME OIL PRODUCING PLANTS AS INFLUENCED BY SOME SALINIZATION TREATMENTS. PHYTON ANN. REI. BOT. 19: 259-267. 1979. BEAN, CASTOR; FLAX; SUNFLOWER EUPHORBIACEAE: RICINUS COMMUNIS; LINACEAE: LINUM USITATISSIMUM; COMPOSITAE: HELIANTHUS ANNUUS WATER CULTURE SODIUM, CHLORIDE VEGETATIVE GROWTH, PHOTOSYNTHESIS, OIL COMPOSITION

29. AHMED, A. M.; HEIKAL, M. M.; RADI, A. F.; SHADDAD, M. A. PHOTOSYNTHESIS OF SOME ECONOMIC PLANTS AS AFFECTED BY SALINIZATION TREATMENTS. II. SAFFLOWER AND MAIZE. EGYPT. J. BOT. 20: 17-27. 1977. SAFFLOWER; CORN COMPOSITAE: CARTHAMUS TINCTORIUS; GRAMINEAE: ZEA MAYS POT, RADIOACTIVE CARBON SODIUM, CHLORIDE PHOTOSYNTHESIS, CHLOROPHYLL "A", CHLOROPHYLL "B", C"A"ROTENOIDS

30. AHMED, A. M.; HEIKAL, M. M.; SHADDAD, M. A. CHANGES IN SOME PLANT-WATER RELATION PARAMETERS OF SOME OIL PRODUCING PLANTS OVER A RANGE OF SALINITY STRESSES. BIOL. PLANT. 21: 259-265. 1979. BEAN, CASTOR; FLAX; SUNFLOWER EUPHORBIACEAE: RICINUS COMMUNIS; LINACEAE: LINUM USITATISSIMUM; COMPOSITAE: HELIANTHUS ANNUUS WATER CULTURE

SODIUM, CHLORIDE, SULFATE TRANSPIRATION, WATER CONTENT, STOMATA

31. AHMED, A. M.; HEIKAL, M. M.; ZIDAN, M. A. EFFECTS OF SALINIZATION TREATMENTS ON GROWTH AND SOME RELATED PHYSICOLOGICAL ACTIVITIES OF SOME LEGUMINOUS PLANTS. CAN. J. PLANT SCI. 60: 713-720. 1980. BEAN, KIDNEY; COWPEA LEGUMINOSAE: PHASEOLUS VULGARIS, VIGNA UNGUICULATA WATER CULTURE SODIUM, CHLORIDE STOMATAL FREQUENCY, TRANSPIRATION, PHOTOSYNTHESIS, WATER CONTENT, VEGETATIVE GROWTH, MINERAL COMPOSITION

32. AHMED, M. B.; GABR, A. I.; EL-SHAFEY, Y. H.; EL-SHOURBAGY, M. N.; SHALABY A. A. THE EFFECT OF SALINITY ON NUCLEOTIDE COMPOSITION OF RNA IN LEAVES OF LYCOPERSICUM ESCULENTUM AND ATRIPLEX NUMMULARIA. BULL. SOC. HIST. NAT. AFR. NORD. 68: 59-70. 1977. TOMATO; SALTBRUSH SOLANACEAE: LYCOPERSICON ESCULENTUM; CHENOPODIACEAE: ATRIPLEX NUMMULARIA GREENHOUSE, SAND CULTURE, POT SODIUM, CHLORIDE RIBONUCLEIC ACID, ADENOSINE MONOPHOSPHATE, GUANOSINE MONOPHOSPHATE, CYTIDINE MONOPHOSPHATE, URIDINE MONOPHOSPHATE

33. AHMED, S.; ASSAD, A. A.; QURESHI, R. H.; GHANI, A. EFFECT OF SALINIZATION ON EMERGENCE AND GROWTH OF THREE WHEAT VARIETIES. PROC. SEMINAR MEMBRANE BIOPHYSICS AND DEVELOPING SALT TOLERANCE IN PLANTS. (FAISALABAD, PAKISTAN) MARCH 11-21, 1978: 194-201. WHEAT GRAMINEAE: TRITICUM AESTIVUM TEST TUBE, GROWTH CHAMBER, WATER CULTURE SODIUM, CHLORIDE EMERGENCE, SEEDLING GROWTH, ROOT GROWTH, SHOOT GROWTH, SALT TOLERANCE, GERMINATION

34. AKBAR, M.; SHAKOOR, A.; SAJJAD, M. S. PROSPECTS OF BREEDING FOR SALT TOLERANCE IN RICE GENETIC DIVERSITY IN PLANTS, A. MUHAMMED, R. AKSEL, R. C. VON BORSTEL (EDS.), BASIC LIFE SCIENCES, PLENUM PRESS, NEW YORK, 8:291-299. 1977. RICE GRAMINEAE: ORYZA SATIVA FIELD PLOT, SOIL SALINE SOIL, SALINE WATER VEGETATIVE GROWTH, GENETIC INTERACTION

35. AL-BADRAWY, R.; BUSSLER, W. SYMPTOME VON BORMANGEL UND BORUBERSCHUB BEI HIBISCUS ESCULENTUS. BORON DEFICIENCY AND BORON TOXICITY IN HIBISCUS ESCULENTUS (GER; ENG SUM). Z. PFLANZENERNAEHR BODENKD. 140: 505-513. 1977. OKRA MALVACEAE: HIBISCUS ESCULENTUS BORON TOXICITY SYMPTOM, MINERAL COMPOSITION

36. AL-KAWAR, G. M. A REPORT ON SALINITY EFFECTS ON YIELD AND WATER CONSUMPTION OF LOCAL AND INTRODUCED ALFALFA CULTIVARS GROWN UNDER GREENHOUSE CONDITIONS. IRAQ J. AGRIC. SCI. 10: 105-115. 1975. ALFALFA LEGUMINOSAE: MEDICAGO SATIVA SEED WEIGHT, PLANT HEIGHT, STRAW YIELD

37. AL-SAIDI, I. STUDIES ON THE DIFFERENT CONCENTRATIONS OF SODIUM CHLORIDE AND CALCIUM CHLORIDE SALTS ON THE GROWTH OF SOME GRAPEVINE CULTIVAR TRANSPLANTS. MESOPOTAMIA J. AGRIC. 15: 125-136. 1980. GRAPE VITACEAE: VITIS VINIFERA FIELD PLOTS, SAND, SOIL, GREENHOUSE SODIUM, CHLORIDE, SALINE SOIL, SALINE WATER VEGETATIVE GROWTH, SODIUM UPTAKE, CALCIUM UPTAKE, OSMOTIC POTENTIAL

38. ALBERT, R. SALT REGULATION IN HALOPHYTES. OECOLOGIA 21: 57-71. 1975. CHENOPODIACEAE: SUAEDA MARITIMA, CHENOPODIUM GLAUCUM, SALICORNIA PROSTRATA; CRUCIFERAE: LEPIDIUM CRASSIFOLIUM; COMPOSITAE: ASTER TRIPOLIUM, SCORZONERA PARVIFLORA; GRAMINEAE: PUCCINELLIA DISTANS, CRYPSIS ACULEATA; CYPERACEAE: BOLBOSCHOENUS MARITIMUS; JUNCACEAE: JUNCUS GERARDII; CARYOPHYLLACEAE: SPERGULARIA MEDIA; PLANTAGINACEAE: PLANTAGO MARITIMA; JUNCAGINACEAE: TRIGLOCHIN MARITIMA

39. ALBERT, R.; FALTER, J. STOFFWECHSELPHYSIOLOGISCHE UNTERSUCHUNGEN AN BLATTEN STREUSALZGESCHADIGTER LINDEN IN WIEN. I. SALZEHALT UND IONENBILANZ. INVESTIGATION ON METABOLISM OF LIME-TREE LEAVES INJURED BY DE-ICING SALTS. I. SALT

CONTENT AND IONIC BALANCE. (GER; ENG SUM). PHYTON 18: 173-197. 1978. LINDEN, SMALL-LEAVED EUROPEAN TILIACEAE: TILIA CORDATA DEICING SALT MINERAL COMPOSITION

40. ALBERT, R.; FALTER, J. STOFFWECHSELPHYSIOLOGISCHE UNTERSUCHUNGEN AN BLATTERN STREUSALZGESCHADIGTER LINDEN IN WIEN. II. STICKSTOFF-UND KOHLENHYDRATSTOFFWECHSEL. INVESTIGATIONS ON METABOLISM OF LIME-TREE LEAVES INJURED BY DE-ICING SALTS. 2. NITROGEN AND CARBOHYDRATE METABOLISM. (GER; ENG SUM) PHYTON 19: 141-162. 1979. LINDEN, SMALL-LEAVED EUROPEAN TILIACEAE: TILIA CORDATA DEICING SALT CARBOHYDRATE, NITRATE, AMINO ACID, PROTEIN NITROGEN, PROLINE

41. ALEJAR, A. A. ALLEVIATION OF SOME PHYSIOLOGICAL EFFECTS OF SALINITY ON BARLEY WITH 3,5-DIIODO-4-HYDROXYBENZOIC ACID. PHILLIP. J. SCI. 107: 13-22. 1980. BARLEY GRAMINEAE: HORDEUM VULGARE GERMINATION DISH SODIUM, CHLORIDE, DI-IDO-HYDROXYBENZOIC ACID GERMINATION, EMERGENCE, SODIUM UPTAKE, CHLORIDE UPTAKE, ETHYLENE, ROOT GROWTH

42. ALEKPEROV, S. A.; KHRZHANOVSKAIA, T. E.; ABDIEVA, R. G.; MAMEDOVA, I. I. VARIATION OF THE ACTIIVITY OF PHOSPHATASES AND ADENOSINE TRIPHOSPHATES IN WOOD PLANTS IN CONDITIONS OF SALINIZATION. (RUS). IZV. AKAD. NAUK. AZ. SSR. SER. BIOL. NAUK 3: 14-18. 1976. PINE, ELDER PINACEAE: PINUS ELDARICA POT CHLORIDE, SULFATE PHOSPHATASE, ADENOSINE TRIPHOSPHATE

43. ALI, T.; HAIDER, G.; FAROOQI, M. A. R. EFFECT OF TUBEWELL WATERS OF DIFFERENT SALINITIES ON THE GROWTH OF SUGARCANE CROP AND SOIL PROPERTIES. PROC. SEMINAR MEMBRANE BIOPHYSICS AND DEVELOPMENT SALT TOLERANCE IN PLANTS (FAISALABAD, PAKISTAN) MARCH 11-21, 1978: 164-177. SUGARCANE GRAMINEAE: SACCHARUM OFFICINARUM SOIL, FIELD PLOTS SALINE WATER YIELD, SODIUM UPTAKE

44. ALIKHANOVA, O. I. TOXIC ACTION OF BORON ON PLANTS. (RUS) AGROKHIMIIA 7: 98-102. 1980. WHEAT; COTTON; SUNFLOWER GRAMINEAE: TRITICUM AESTIVUM; COMPOSITAE: HELIANTHUS ANNUUS; MALVACEAE: GOSSYPIUM HIRSUTUM GREENHOUSE; FIELD BORON BORON TOXICITY, BORON UPTAKE, BORON TOLERANCE

45. ALINA, B. A.; KLYSHEV, L. K. EFFECT OF ENVIRONMENT SALINIZATION ON CYCLIC PHOTOPHOSPHORYLATION IN RICE CHLOROPLASTS SALT INTOXICATION OF PLANTS. (RUS) IZV. SER. BIOL. AKAD. NAUK. KAZ. SSR. 4: 10-14. 1979. RICE GRAMINEAE: ORYZA SATIVA WATER CULTURE SODIUM, CHLORIDE, SULFATE ATP

46. ALONI, B.; PRESSMAN, E. INTERACTION WITH SALINITY OF CA3-INDUCED LEAF ELONGATION, PETIOLE PITHINESS AND BOLTING IN CELERY. SCI. HORT. 13: 135-142. 1980. CELERY UMBELLIFERAE: APIUM GRAVEOLENS POT, GREENHOUSE GIBBERELLIC ACID, SODIUM, CHLORIDE, TEMPERATURE LEAF ELONGATION, BOLTING, YIELD

47. ALSTON, A. M.; MILLER, M. H. EFFECT OF WATER STRESS ON SUBSEQUENT UPTAKE OF CHLORIDE BY WHEAT PLANTS. PLANT SOIL 49:305-315. 1978. WHEAT GRAMINEAE: TRITICUM AESTIVUM WATER CULTURE CALCIUM, SULFATE TRANSPIRATION, WATER POTENTIAL, CHLORIDE UPTAKE

48. AMIROVA, S. EFFECT OF DIFFERENT TYPES OF SALINIZATION ON ABSORPTION OF NITROGEN PHOSPHORUS AND POTASSIUM BY RICE ROOTS. (RUS) IZV. AKAD. NAUK. KAZ. SSR. SER. BIOL. 2: 22-24. 1980. RICE GRAMINEAE: ORYZA SATIVA SODIUM, CHLORIDE NITROGEN UPTAKE, POTASSIUM UPTAKE

49. AMIROVA, S. EFFECT OF THE CARBONATE SALINIZATION ON THE GROWTH AND ABSORPTION SURFACE OF RICE ROOT SYSTEM. (RUS).

IZV. AKAD. NAUK. KAZ. SSR. SER. BIOL. 3: 14-16. 1976. RICE GRAMINEAE: ORYZA SATIVA WATER CULTURE SODIUM, CARBONATE ROOT GROWTH

50. ANONYMOUS SOWING THE SEEDS OF THE SALTY REVOLUTION. AQUEDUCT 45: 15-19. 1978. BARLEY; WHEAT; TOMATO GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM, SOLANACEAE: LYCOPERSICON ESCULENTUM GERMINATION DISH, FIELD, SAND SALINE SOIL, SEA WATER YIELD

51. ANSARI, A. Q.; ALAM, S. M. EFFECT OF SODIUM ON THE ELECTROCHEMICAL POTENTIAL DIFFERENCE AND GROWTH OF SUNFLOWER PLANTS. PROC. SEMINAR MEMBRANE BIOPHYSICS AND DEVELOPMENT SALT TOLERANCE IN PLANTS (FAISALABAD, PAKISTAN) MARCH 11-21, 1978: 16-31. SUNFLOWER COMPOSITAE: HELIANTHUS ANNUUS POTS, VERMICULITE, GROWTH CHAMBER SODIUM, CHLORIDE, AERATION HEIGHT, VEGETATIVE GROWTH, SHOOT GROWTH, ROOT GROWTH, SODIUM UPTAKE, CALCIUM UPTAKE

52. ANSARI, R. SALT TOLERANCE OF COTTON (GOSSYPIUM HIRSUTUM AND GOSSYPIUM ARBOREUM) VARIETIES. SIND UNIV. RES. J. VI: 69-75. 1972. COTTON MALVACEAE: GOSSYPIUM HIRSUTUM, GOSSYPIUM ARBOREUM SOIL, POT, GREENHOUSE SODIUM, CHLORIDE, SULFATE GERMINATION, VEGETATIVE GROWTH, MINERAL COMPOSITION

53. ANSARI, R.; AHMED, S. SALT TOLERANCE STUDIES IN PLANTS. PROC. SEMINAR MEMBRANE BIOPHYSICS AND DEVELOPMENT SALT TOLERANCE IN PLANTS (FAISALABAD, PAKISTAN) MARCH 11-21, 1978: 65-81. SORGHUM; WHEAT; COTTON; MUSTARD GRAMINEAE: TRITICUM AESTIVUM, SORGHUM VULGARE; MALVACEAE: GOSSYPIUM HIRSUTUM, GOSSYPIUM ABOREUM; CRUCIFERAE: BRASSICA CAMPESTRIS, BRASSICA JUNCEA POT, SOIL SODIUM, CHLORIDE VEGETATIVE GROWTH, SHOOT GROWTH, GERMINATION, SODIUM UPTAKE, CALCIUM UPTAKE, YIELD, HEIGHT

54. ANSARI, R.; NAQVI, S. M.; ALA, S. A. GROWTH AND CHEMICAL COMPOSITION OF TWO CULTIVARS OF TRITICUM AESTIVUM AS AFFECTED BY SOIL SALINIY. COMMUN. SOIL SCI. & PLANT ANAL. 9: 443-453. 1978. WHEAT GRAMINEAE: TRITICUM AESTIVUM SOIL, POT SODIUM, CHLORIDE, SULFATE VEGETATIVE GROWTH, MINERAL COMPOSITION

55. ANSARI, R.; NAQVI, S. M.; ALA, S. A. RESPONSE OF WHEAT CULTIVARS TO THE PRESENCE OF SODIUM SALTS AT GERMINATION AND IN EARLY DEVELOPMENT. BIOL. PLANT. 22: 470-472. 1980. WHEAT GRAMINEAE: TRITICUM AESTIVUM GERMINATOR SODIUM, SULFATE, NITRATE, PHOSPHATE, CHLORIDE, CARBONATE, BICARBONATE, ACETATE, CITRATE VEGETATIVE GROWTH

56. ANSARI, R.; NAQVI, S. M.; AZMI, A. R. EFFECT OF SALINITY ON GERMINATION, SEEDLING GROWTH AND ALPHA-AMYLASE ACTIVITY IN WHEAT PAK. J. BOT. 9:163-166. 1977 WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, GERMINATOR SODIUM, CHLORIDE, SEED PRETREATMENT GERMINATION, SEEDLING GROWTH, ALPHA-AMYLASE

57. ASHOUR, N. I.; ABDEL-HALIM, M. A.; RAAFAT, A.; NOUR, T. A. INCREASING SALT TOLERANCE OF WHEAT AT EARLY STAGES OF GROWTH UNDER CHLORIDE AND SULPHATE TYPES OF SALINITY. ACTA AGRON. 26: 127-134. 1977. WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, SOIL CHLORIDE, SULFATE, SODIUM, MAGNESIUM, CALCIUM, CARBONATE GERMINATION, CHLOROPHYLL "A", CHLOROPHYLL "B", CAROTENOIDS, ROOT GROWTH, VEGETATIVE GROWTH, MINERAL COMPOSITION, PROTEIN NITROGEN

58. ASHOUR, N. I.; THALOOTH, A. T. EFFECT OF PUTRESCINE ON GROWTH AND PHOTOSYNTHETIC PIGMENTS OF BOARD BEAN PLANTS GROWN UNDER CHLORIDE SALINIZATION CONDITIONS. BIOCHEM. PHYSIOL. PFLANZEN (BPP) 162:203-208. 1971. BEAN, BROAD LEGUMINOSAE: VICIA FABA POT, SAND SODIUM, CALCIUM, CHLORIDE, PUTRESCINE DIHYDROCHLORIDE VEGETATIVE GROWTH, NITROGEN UPTAKE, CHLOROPHYLL, CAROTENOIDS, CHLOROPHYLLASE ACTIVITY

59. ASLAM, Z.; SALIM, M.; SANDHU, G. R.; QURESHI, R. R. SODICITY EFFECTS ON GROWTH AND CHEMICAL COMPOSITION OF DIPLACHNE FUSCA. PAK. J. BOT. 11: 123-128. 1979. KALLAR GRASS GRAMINEAE: DIPLACHNE FUSCA POT, SOIL SODIUM, BICARBONATE VEGETATIVE GROWTH, MINERAL COMPOSITION

60. ATANASIU, N,; THIAGALINGAM, K. A PRELIMINARY GERMINATION AND GROWTH TEST OF SOME MALAYSIAN AND EXOTIC PADDY VARIETIES ON SALINITY TOLERANCE. MALAYS. AGRIC. J. 51: 250-254. 1978. RICE GRAMINEAE: ORYZA SATIVA POT, SOIL SEA WATER, VARIETY GERMINATION, VEGETATIVE GROWTH

61. ATTENBURROW, D. C.; WALLER, P. L. SODIUM CHLORIDE: ITS EFFECT ON NUTRIENT UPTAKE AND CROP YIELDS WITH TOMATOES IN NFT. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM POT, SOIL, GREENHOUSE SODIUM, CHLORIDE SODIUM UPTAKE, CHLORIDE UPTAKE, YIELD, FRUIT QUALITY

62. AVILOVA, L. D. STRUCTURAL STATE AND FUNCTIONAL ACTIVITY OF CHROMATIN IN THE CELLULAR NUCLEUS OF PLANTS DURING SALINIZATION. (RUS) IZU. SEV-KAVK. NAUCHIN. TSENTRA. VYSSH. SHK. ESTESTV. NAUK. 6: 91-94. 1978. CORN; BARLEY GRAMINEAE: ZEA MAYS, HORDEUM VULGARE SODIUM, CHLORIDE, SULFATE DEOXYRIBONUCLEIC ACID, ROOT GROWTH

63. AVILOVA, L. D.; MATUKHIN, G. R. EFFECT OF CL AND SO4 IONS ON ACCUMULATION AND DISTRIBUTION OF NUCLEIC ACIDS IN ROOT CELLS OF SUNFLOWER. (RUS.) BOT. ZHUR. 49: 1335-1338. 1964. SUNFLOWER COMPOSITAE: HELIANTHUS ANNUUS GERMINATION DISHES SODIUM, CHLORIDE, SULFATE NUCLEIC ACID, VEGETATIVE GROWTH

64. AYADI, A.; MONNIER, A.; DEMARTY, M.; THELLIER, M. CELLULAR ION EXCHANGES: THE CASE OF PLANTS IN SALINE ENVIONMENT. THE SPECIAL ROLE OF CELL WALLS. EXCHANGES IONIQUES CELLULAIRES: CAS DES PLANTES EN MILIEU SALE. ROLE PARTICULIER DES PARIOS CELLULAIRES. (FRE; ENG SUM). PHYSIOL. VEG. 18: 89-104. 1980. CELL WALL, ION ACCUMULATION, ION TRANSPORT

65. AZIZBEKOVA, Z. S.; ALLAKHVERDIEV, S. R. EFFECTS OF SUDDEN AND GRADUAL SALINIZATION IN DIFFERENT DEGREES ON GROWTH OF TOBACCO PLANT TISSUES AND ON THE ENTIRE PLANT. (RUS). IZV. AKAD. NAUK. AZ. SSR SER. BIOL. NAUK 2: 24-25. 1977. TOBACCO SOLANACEAE: NICOTIANA ALATA WATER CULTURE SODIUM, CHLORIDE, SULFATE VEGETATIVE GROWTH

66. BABU, V. R.; KUMAR, S. SEED GERMINATION AND EARLY SEEDLING GROWTH OF CICER ARIETINUM LINN. CV. C-235, CAJANUS CAJAN SPRENG. CV. PUSA AGATI, PHASEOLUS AUREUS HAM. CV. S-8 AND PHASEOLUS MUNGO LINN. CV. P-1 UNDER GROWTH REGULATOR AND SALINITY-STRESSED CONDITIONS. J. INDIAN BOT. SOC. 58: 140-148. 1979. PEA, CHICK; CAJAN; BEAN, MUNG; GRAM, BLACK LEGUMINOSAE: CICER ARIETINUM, CAJANUS CAJAN, PHASEOLUS AUREUS, PHASEOLUS MUNGO GERMINATION DISHES, FILTER PAPER, GROWTH CHAMBER SODIUM, CHLORIDE, KINETIN, INDOLEACETIC ACID, GIBBERELLIC ACID GERMINATION

67. BAKER, J. D.; RYALL, K. W. SALT DAMAGE IN VEGETABLES. AGRIC. GAZETTE OF NEW SOUTH WALES 90: 31. 1979.

68. BAKHAI, H. K.; EL-SAWABY, S. H.; ATA, S. K.; ANTAR, I. EFFECT OF SALINITY ON THE GROWTH AND YIELD OF NAPIERGRASS AGRIC. RES. REV. 54:57-62. 1976. NAPIER GRASS GRAMINEAE: PENNISETUM PURPUREUM POT, SOIL SODIUM, CALCIUM, CHLORIDE, CALCAREOUS SOIL VEGETATIVE GROWTH, TILLERING

69. BAL, A. R. NOTES ON THE EFFECT OF SUBMERGENCE WITH SALINE WATER AT DIFFERENT STAGES OF GROWTH OF SOME RICE VARIETIES. INDIAN J. AGRIC. SCI. 45: 497-499. 1975. RICE GRAMINEAE: ORYZA SATIVA POT, SOIL GROWTH STAGE, SODIUM, CHLORIDE, VARIETY GRAIN YIELD, VEGETATIVE GROWTH

70. BALAKRISHNA, V.; IYENGAR, E. R. R. SALINITY TOLERANCE OF DRY LAND RICE VARIETIES AT GERMINATION AND SEEDLING GROWTH. CURR. AGRIC. 4: 27-30. 1980. RICE GRAMINEAE: ORYZA SATIVA GERMINATION DISHES SEA WATER GERMINATION, SEEDLING GROWTH, PLUMULE GROWTH, SEED WEIGHT

71. BALASUBRAMANIAN, V.; RAO, S. PHYSIOLOGICAL BASIS OF SALT TOLERANCE IN RICE. RISO. 26: 291-294. 1977. RICE GRAMINEAE: ORYZA SATIVA POT SODIUM, CALCIUM, CHLORIDE GRAIN YIELD, STRAW YIELD, VEGETATIVE GROWTH, GRAIN WEIGHT, POTASSIUM UPTAKE, SODIUM UPTAKE

72. BALKE, P. PLANTS FOR EXPOSED GARDENS. J. ROYAL HORTIC. SOC. 104: 141-146. 1979.

73. BANGARAYYA, M.; NARASIMHAMURTY, Y. C. BORON TOXICITY IN FLUE CURED TOBACCO. SCI. CULT. 36:118-119. 1970. TOBACCO SOLANACEAE: NICOTIANA TABACUM POT, SAND BORON BORON UPTAKE, VEGETATIVE GROWTH, TOXICITY SYMPTOM

74. BANGASH, S. H. SALT TOLERANCE OF FOREST TREE SPECIES AS DETERMINED BY GERMINATION OF SEEDS AT DIFFERENT SALINITY LEVELS. PAK. J. FOR. 27: 93-97. 1977. LEBBECK-TREE; JERUSALEM-THORN; LOCUST, BLACK; JUJUBE LEGUMINOSAE: ACACIA ARABICA, ALBIZIA LEBBECK, PARKINSONIA ACULEATA, PROSOPIS SPICIGERA, ROBINIA PSEUDOCACIA, ZIZYPHUS JUJUBA POT, SOIL SODIUM, CHLORIDE GERMINATION, SEEDLING GROWTH

75. BAR-NUN, N.; POLJAKOFF-MAYBER, A. INTERVARIETAL DIFFERENCES IN THE AMINO-ACID COMPOSITION OF PEA ROOTS AS RELATED TO THEIR RESPONSE TO SALINITY. ANN. BOT. 44: 309-314. 1979. PEA LEGUMINOSAE: PISUM SATIVUM VERMICULITE, VARIETY SODIUM, CHLORIDE GERMINATION, ROOT GROWTH, AMINO ACID

76. BARAKAT, M. A.; KHALIL, M. M.; ATIA, M. H. THE EFFECT OF SALINITY ON THE GERMINATION OF 17 RICE VARIETIES AGRIC. RES. REV. (CAIRO) 49:219-224. 1971. RICE GRAMINEAE: ORYZA SATIVA GREENHOUSE, POT, SOIL VARIETY, SODIUM, CALCIUM, CHLORIDE GERMINATION, VEGETATIVE GROWTH

77. BARBOUR, M. G. SALT SPRAY AS A MICROENVIRONMENTAL FACTOR IN THE DISTRIBUTION OF BEACH PLANTS AT POINT REYES, CALIFORNIA OECOLOGIA 32:213-224. 1978. ONOGRACEAE: CAMISSONIA CHEIRANTHIFOLIA; GRAMINEAE: ELYMUS MOLLIS,POA DOUQL ASII; COMPOSITAE: FRANSERIA CHAMISSONIS, LAYIA CARNOSA, AGOSERIS APARGIOIDES SSP MARITIMA; CHENOPODIACEAE: ATRIPLEX LEUCOPHYLLA; NYCTAGINACEAE: ABRONIA LATIFOLIA; AIZOACEAE: MESEMBRYANTHEMUM CHILENSE; CRUCIFERAE: CAKILE MARITIMA ECOLOGY

78. BARI, G.; HAMID, A.; AWAN, M. A. EFFECT OF SALINITY ON GERMINATION AND SEEDLING GROWTH IN RICE VARIETIES. INTERNATIONAL RICE COMMISSION NEWSLETTER 22: 32-36. 1973. RICE GRAMINEAE: ORYZA SATIVA WATER, POT, GERMINATION DISHES SODIUM, CHLORIDE, CALCIUM GERMINATION, ROOT GROWTH, SHOOT GROWTH

79. BARLASS, M.; SKENE, K. G. M. RELATIVE NACL TOLERANCES OF GRAPEVINE CULTIVARS AND HYBRIDS IN VITRO. Z. PFLANZENPHYSIOL. 102: 147-156. 1981. GRAPE VITACEAE: VITIS WATER, SOIL SODIUM, CHLORIDE LEAF AREA, SHOOT GROWTH, LEAF FREQUENCY

80. BARRETO RODRIGES, J. F.; BARRETO, KH F. EFFECT OF SOIL SALINIZATION ON THE GROWTH AND YIELD OF SUGAR CANE (RUS; ENG SUM). POCHVOVEDENIE 4: 73-80. 1979. SUGARCANE GRAMINEAE: SACCHARUM OFFICINARUM FIELD PLOT, SOIL SALINE SOIL YIELD

81. BARRICK, W. E. SALT TOLERANT PLANTS FOR FLORIDA LANDSCAPES. PROC. FLA. ST. HORT. SOC. 91: 82-84. 1978. TREE; SHRUB; VINE; GROUND COVER; ORNAMENTALS

82. BARRICK, W. E. SALT TOLERANT PLANTS FOR FLORIDA LANDSCAPES. UNIVERSITY OF FLORIDA. FLORIDA SEA GRANT PROGRAM. REPORT NO. 28. 71 P. 1979. TREE, SHRUB, GROUNDCOVER, VINE

83. BARRICK, W. E.; DAVIDSON, H. DEICING SALT SPRAY INJURY IN NORWAY MAPLE AS INFLUENCED BY TEMPERATURE AND HUMIDITY TREATMENTS. HORTSCIENCE 15: 203-205. 1980. MAPLE, NORWAY ACERACEAE: ACER PLATANOIDES GROWTH CHAMBER, BEAKER, SAND, GREENHOUSE DEICING SALT, TEMPERATURE, HUMIDITY, SALT SPRAY BUD MOISTURE, BUD VIABILITY, SODIUM UPTAKE, CHLORIDE UPTAKE, STEM INJURY

84. BARRICK, W. E.; FLORE, J. A.; DAVIDSON, H. DEICING SALT SPRAY INJURY IN SELECTED PINUS SPP. J. AMER. SOC. HORT. SCI. 104: 617-622. 1979. PINE, EASTERN WHITE; PINE, AUSTRIAN PINACEAE: PINUS NIGRA, PINUS STROBUS SOIL, FIELD SODIUM, CHLORIDE, DEICING SALT MORPHOLOGY, ANATOMY

85. BASER, R. E.; GILMOUR, J. T. TOLERANCE OF RICE SEEDLINGS TO POTASSIUM SALTS. ARKANSAS EXPERIMENT STATION. BULLETIN 860. 1982. RICE GRAMINEAE: ORYZA SATIVA GROWTH CHAMBER, SOIL, FIELD TEMPERATURE, POTASSIUM, CHLORIDE, SULFATE, MOISTURE CONTENT SEEDLING GROWTH, GERMINATION, VEGETATIVE GROWTH

86. BASSETT, P. A. THE EFFECT OF SOIL SALINITY AND CALCIUM LEVELS ON THE GROWTH OF BROMUS MOLLIS IN THE CAMARGUE, FRANCE. OIKOS 35: 353-358. 1980. CHESS, SOFT GRAMINEAE: BROMUS MOLLIS SAND, POT CALCIUM, CARBONATE, SODIUM, CHLORIDE SHOOT GROWTH, ROOT GROWTH, SODIUM UPTAKE, CALCIUM UPTAKE

87. BASSHAM, J. A. FEED AND FOOD FROM DESERT ENVIRONMENTS. ENVIRON. SCI. RES. 14: 17-45. 1979.

88. BEDUNAH, D.; TRLICA, M. J. CARBON DIOXIDE EXCHANGE OF PONDEROSA PINE AS AFFECTED BY SODIUM CHLORIDE AND POLYETHYLENE GLYCOL. FOREST SCI. 27: 139-146. 1981. PINE, PONDEROSA PINACEAE: PINUS PONDEROSA SAND, POT, GREENHOUSE, GROWTH CHAMBER SODIUM, CHLORIDE, POLYETHYLENE GLYCOL PHOTOSYNTHESIS, XYLEM, WATER POTENTIAL, RESPIRATION, SODIUM UPTAKE, CHLORIDE UPTAKE

89. BEDUNAH, R.; TRLICA, M. J. SODIUM CHLORIDE EFFECTS ON CARBON DIOXIDE EXCHANGE RATES AND OTHER PLANT AND SOIL VARIABLES OF PONDEROSA PINE. CAN. J. FOR. RES. 9: 349-353. 1979. PINE, PONDEROSA PINACEAE: PINUS PONDEROSA POT, LATH HOUSE SODIUM, CHLORIDE SODIUM UPTAKE, CHLORIDE UPTAKE, PHOTOSYNTHESIS, FOLIAR INJURY, RESPIRATION

90. BEJAOUI, M. EFFECTS DU NACL SUR L'ELONGATION, LA GEOREACTION ET L'ABSORPTION D'OXYGENE DE SEGMENTS APICAUX DE RACINES DE SOJA (GLYCINE MAX. (L.) MERR.). EFFECTS OF SODIUM CHLORIDE ON ELONGATION, GEOREACTION AND ABSORPTION OF OXYGEN IN SOYBEAN ROOTS. (FRE; ENG SUM). PHYSIOL. VEG. 18: 737-747. 1980. SOYBEAN LEGUMINOSAE: GLYCINE MAX SODIUM, CHLORIDE ROOT GROWTH, OXYGEN UPTAKE

91. BELOUSOV, E. V. TUR CHLOROCHLINE CHLORIDE INCREASES THE YIELD OF CEREALS. (RUS). ZASHCH. RAST. 2: 34-37. 1976. WHEAT GRAMINEAE: TRITICUM AESTIVUM FIELD PLOT, SOIL SEED PRETREATMENT, CHLOROCOLINE CHLORIDE VEGETATIVE GROWTH, GRAIN YIELD

92. BEN-JAACOV, J.; NATANSON, G.; HAGILADI, A. THE USE OF A WIND-CONTROLLED OVERHEAD IRRIGATION SYSTEM TO PREVENT DAMAGE BY WIND-BORNE SALTS. J. AM. HORTIC. SCI. 105: 833-835. 1980. OLEANDER APOCYNACEAE: NERIUM OLEANDER FIELD SALT SPRAY SODIUM UPTAKE, POTASSIUM UPTAKE, CHLORIDE UPTAKE, MINERAL COMPOSITION

93. BERINGER, H.; SCHACHERER, A.; HAEDER, H. E. UPTAKE AND TRANSLOCATION OF SODIUM IN TWO CULTIVARS OF LOLIUM PERENNE. AUFNAHME UND VERLAGERUNG VON NATRIUM BEI ZWEI SORTEN VON LOLIUM PERENNE. (GER; ENG SUM.) Z. PFLANZENERNAHR BODENKD. 142: 815-823. 1979. RYEGRASS, PERENNIAL GRAMINEAE: LOLIUM PERENNE WATER CULTURE, GREENHOUSE SODIUM, CHLORIDE, TEMPERATURE SODIUM UPTAKE, VEGETATIVE GROWTH, LINOLENIC ACID, OLEIC ACID

94. BERNSTEIN, L. EFFECTS OF SALINITY AND SOIL WATER REGIME ON CROP YIELDS. IN: SALINITY IN IRRIGATION AND WATER RESOURCES. D. YARON (ED.). 4: 47-64. 1981. SALT TOLERANCE

95. BERNSTEIN, L. PHYSIOLOGICAL BASIS OF SALT TOLERANCE IN PLANTS IN GENETIC DIVERSITY IN PLANTS: PROCEEDINGS OF AN INTERNATIONAL SYMPOSIUM: 283-290. 1977.

96. BHATTACHARYA, R. K.; MISHRA, B.; RANA, R. S. AN EARLY RICE VARIETY FOR PARTIALLY RECLAIMED SODIC SOIL. ORYZA 16: 143-144. 1979. RICE GRAMINEAE: ORYZA SATIVA VARIETY, SODIC SOIL GRAIN YIELD

97. BHATTACHARYYA, R. K. GETU - A SALT TOLERANT RICE VARIETY. INDIAN FARMING 27:17-18. 1978. RICE GRAMINEAE: ORYZA SATIVA FIELD, SOIL SALINE SOIL GRAIN YIELD

98. BHATTACHARYYA, R. K. STABILITY OF SOME RICE VARIETIES GROWN IN SALT AFFECTED SOILS. CURR. AGRIC. 3: 37-42. 1979. RICE GRAMINEAE: ORYZA SATIVA FIELD, SOIL VARIETY, CLIMATE, SALINE SOIL GRAIN YIELD

99. BHATTACHARYYA, R. K.; MISHRA, B. PRESENT POSITION ON THE STUDIES OF SALT TOLERANT RICE VARIETIES IN INDIA AND THEIR PROBLEMS. CURR. AGRIC. 3: 73-79. 1979. RICE GRAMINEAE: ORYZA SATIVA

100. BHATTI, A. S.; SARWAR, G. RESPONSE OF CORN TO MICRONUTRIENTS (ZN AND CU) ON A SALINE SOIL. I. GROWTH AND IONIC RELATIONSHIPS. PLANT SOIL 48: 719-724. 1977. CORN GRAMINEAE: ZEA MAYS POT, SOIL SODIUM, CALCIUM, CHLORIDE, ZINC, COPPER, SULFATE TOP GROWTH, ROOT GROWTH, ZINC UPTAKE, COPPER UPTAKE, SODIUM UPTAKE, CALCIUM UPTAKE

101. BHATTI, A.; SARWAR, G.; SHEIKH, K. H.; HANIF, M.; SHARIF, M. EFFECT OF SODIUM CHLORIDE ON THE GROWTH AND ION CONTENT OF BARLEY PAK. J. SCI. IND. RES. 19:190-192. 1976. BARLEY GRAMINEAE: HORDEUM VULGARE POT, SOIL SODIUM, CHLORIDE GERMINATION, SEEDLING GROWTH, SODIUM UPTAKE, CHLORIDE UPTAKE

102. BHOLA, S. N.; DHIR, R. P.; SHARMA, B. K. EFFECT OF SALINE IRRIGATION WATER ON THE PROTEIN CONTENT OF WHEAT. INDIAN J. AGRON. 25: 546. 1980. WHEAT GRAMINEAE: TRITICUM AESTIVUM SAND, SOIL, FIELD PLOT SODIUM, CHLORIDE PROTEIN

103. BIELORAI, H.; SHALHEVET, J.; LEVY, Y. GRAPEFRUIT RESPONSE TO VARIABLE SALINITY IN IRRIGATION WATER AND SOIL IRRIGATION SCI. 1:61-70. 1978. GRAPEFRUIT RUTACEAE: CITRUS PARADISI SOIL, FIELD CHLORIDE, CALCIUM, SODIUM

FRUIT YIELD

104. BIGOT, J.; BINET, P. ACTION DE LA SALINITE SUR LA CROISSANCE ET L'ACTIVITE CX CELLULASE (ENDO-BETA(1, 4)GLUCANASE) CHEZ LES FEUILLES D'ATRIPLEX LITTORALIS L. ACTION OF SALINITY ON GROWTH AND CX CELLULASE ((ENDO-BETA (1,4) GLUCANASE)) ACTIVITY IN LEAVES OF ATRIPLEX LITTORALIS L. (FRE; ENG SUM). PHYSIOL. VEG. 17: 347-362. 1979. CHENOPODIACEAE: ATRIPLEX LITTORALIS SODIUM, CHLORIDE ENDO-BETA GLUCANASE, ENZYME ACTIVITY, CELLULASE, VEGETATIVE GROWTH

105. BIK, R. A. EFFECT OF IRRIGATION WATER SALINITY ON POSTHARVEST PERFORMANCE OF CYCLAMEN GROWN ON ROCK WOOL AND POTTING COMPOST. ACTA HORTIC. 99: 189-196. 1980. CYCLAMEN PRIMULACEAE: CYCLAMEN POT, SOIL, PEAT MOSS SODIUM, CHLORIDE FLOWERING, VEGETATIVE GROWTH

106. BIK, R. A. THE SENSITIVITY OF AZALEA INDICA OF SOIUM CHLORIDE IN SPRINKLER WATER. DE GEVOELIGHEID VAN AZALEA INDICA VOOR KEUKENZOUT IN HET GIETWATER. (DUT). MEDED. DIR. TUINB. 28: 496-503. 1965. AZALEA ERICACEAE: AZALEA INDICA SPRINKLER IRRIGATION CHLORIDE, SODIUM VEGETATIVE GROWTH, LEAF BURN, ROOT GROWTH, FLOWER BUDS, MINERAL COMPOSITION

107. BILLARD, J. P.; BOUGAUD, J. EFFECT OF NACL ON THE ACTIVITIES OF GLUTAMATE SYNTHASE FROM A HALOPHYTE SUAEDA MARITIMA AND FROM A GLYCOPHYTE PHASEOLUS VULGARIS. PHYTOCHEM. 19: 1937-1942. 1980. BEAN, KIDNEY CHENOPODIACEAE: SUAEDA MARITIMA; LEGUMINOSAE: PHASEOLUS VULGARIS WATER CULTURE SODIUM, CHLORIDE GLUTAMATE SYNTHASE

108. BINGHAM, F. T. BORON IN CULTIVATED SOILS AND IRRIGATION WATERS. ADVAN. CHEM. SER. 123:130-138. 1973. BORON

109. BIRD, A. F. THE EFFECT OF VARIOUS CONCENTRATIONS OF SODIUM CHLORIDE ON THE HOST-PARASITE RELATIONSHIP OF THE ROOT-KNOT NEMATODE (MELOIDOGYNE JAVANICA) AND SOYBEAN (GLYCINE MAX VAR. LEE). MARCELLIA 40: 167-175. 1977. SOYBEAN LEGUMINOSAE: GLYCINE MAX WATER CULTURE, SOIL SODIUM, CHLORIDE VEGETATIVE GROWTH, CHLORIDE UPTAKE, ROOT-KNOT NEMATODE

110. BLACQUIERE, T.; LAMBERS, H. GROWTH, PHOTOSYNTHESIS AND RESPIRATION IN PLANTAGO CORONOPUS AS AFFECTED BY SALINITY. PHYSIOL. PLANT. 51: 265-268. 1981. PLANTAIN PLANTAGINACEAE: PLANTAGO CORONOPUS GROWTH CHAMBER SODIUM, CHLORIDE VEGETATIVE GROWTH, PHOTOSYNTHESIS, RESPIRATION

111. BLAKE, P. PLANTS FOR EXPOSED GARDENS. THE GARDEN J. ROYAL HORTIC. SOC. 104: 141-146. 1979. CYPRESS, LEYLAND CUPRESSACEAE: CUPRESSOCYPARIS LEYLANDII; SAXIFRAGACEAE: ESCALLONIA RUBRA FIELD SALT SPRAY SALT TOLERANCE

112. BLAMEY, F. P. C.; CHAPMAN, J. BORON TOXICITY IN SPANISH GROUNDNUTS. AGROCHEMOPHYSICA 11: 57-60. 1979. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA FIELD, SAND BORON MINERAL COMPOSITION

113. BLASER, R. E. PLANTS AND DE-ICING SALTS. AM. NURSERYM 144: 8-9. 1976. TREE; SHRUB DEICING SALT, SODIUM, CHLORIDE SODIUM UPTAKE, CHLORIDE UPTAKE

114. BOLE, J. B.; WELLS, S. A. DRYLAND SOIL SALINITY: EFFECT ON THE YIELD AND YIELD COMPONENTS OF 6-ROW BARLEY, 2-ROW

BARLEY, WHEAT AND OATS. CAN. J. SOIL SCI. 59: 11-17. 1979. BARLEY; WHEAT; OATS GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM, AVENA SATIVA FIELD PLOTS, SOIL SALINE SOIL GRAIN YIELD, GERMINATION, SEED WEIGHT, VEGETATIVE GROWTH

115. BOLE, J. B.; WELLS, S. A. SALT TOLERANCE OF CEREAL CROP TYPES AND VARIETIES. PROC. SUBCOM. SALT-AFFECTED SOILS, 11TH INTER. SOIL SCI. SOC. CONGR., EDMONTON, CANADA, JUNE 1978:5.1.-5.10. BARLEY; WHEAT; OATS GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM, AVENA SATIVA FIELD PLOT, SOIL SALINE SOIL GRAIN YIELD, GERMINATION, VEGETATIVE GROWTH

116. BOONTJES, J.; PLOEGMAN, C. ZOUT BEREGENINGSWATER EN DE BOLPRODUKTIE BIJ LELIES. SALINE SPRINKLING WATER AND THE BULB-PRODUCTION OF LILIES. (DUT; ENG SUM) BLOEMBOLLENCULTUUR 91: 2P. 1981. LILY LILIACEAE: LILIUM SPRINKLING, SAND, SOIL CHLORIDE SALT TOLERANCE

117. BOUAZIZ, E. TOLERANCE A' LA SALURE DE LA POMME DE TERRE. TOLERANCE OF POTATOES TO SALT (FRE; ENG SUM) PHYSIOL. VEG. 18: 11-17. 1980. POTATO SOLANACEAE: SOLANUM TUBEROSUM FIELD PLOT, SOIL SODIUM, CHLORIDE STALK DEVELOPMENT, LEAF DEVELOPMENT, TUBER NUMBER, TUBER WEIGHT

118. BOUZAIDI, A.; EL AMAMI, S. SALT WATER IRRIGATION OF TWO COTTON VARIETIES IN FIELD TRIALS. IRRIGATION AL'EAU SALSEE DE DEUX VARIETES DE COTONNIER DANS LES ESSAIS DE PLEIN CHAMP. (FRE; ENG SUM). PHYSIOL. VEG. 18: 35-44. 1980. COTTON MALVACEAE: GOSSYPIUM HIRSUTUM FIELD, SOIL VARIETY, SODIUM, CHLORIDE VEGETATIVE GROWTH, YIELD

119. BOWER, C. A.; TAMIMI, Y. N. ROOT ADJUSTMENTS ASSOCIATED WITH SALT TOLERANCE IN SMALL GRAINS. AGRON. J. 71: 690-693. 1979. RICE; BARLEY; WHEAT; RYE; OAT GRAMINEAE: ORYZA SATIVA, HORDEUM VULGARE, TRITICUM AESTIVUM, AVENA SATIVA, SECALE CEREALE GREENHOUSE, POT, WATER CULTURE VARIETY, SODIUM, CALCIUM, CHLORIDE VEGETATIVE GROWTH, ROOT GROWTH, MINERAL COMPOSITION, OSMOTIC POTENTIAL

120. BOYKO, H.; BOYKO, E. PLANT GROWING WITH SEA-WATER AND OTHER SALINE WATERS IN ISRAEL AND OTHER COUNTIES. IN: SALINE IRRIGATION FOR AGRICULTURE AND FORESTRY. H. BOYKO, N. V. JUNE (EDS.) HAGUE, 1968. PP. 85-92. GRAMINEAE: AGROPYRUM JUNCEUM, AMMOPHILA ARENARIA, HORDEUM VULGARE; ASCLEPIADACEAE: CALOTROPIS PROCERA; JUNCACEAE: JUNCUS MARITIMUS, JUNCUS PUNCTORIUS; AGAVACEAE: AGAVE SISALANA, AGAVE FOURCROYDES FIELD PLOT SEA WATER, WATER QUALITY SALT TOLERANCE, WATER CONTENT

121. BOZCUK, S. EFFECTS OF KINETIN AND SALINITY ON GERMINATION OF TOMATO,, BARLEY AND COTTON. ANN. BOT. 48: 81-84. 1981. TOMATO; BARLEY; COTTON SOLANACEAE: LYCOPERSICON ESCULENTUM; GRAMINEAE: HORDEUM VULGARE; MALVACEAE: GOSSYPIUM HIRSUTUM WATER CULTURE, GROWTH CHAMBER KINETIN, SODIUM, CHLORIDE GERMINATION, DORMANCY

122. BRAUN W., R. H.; PIZARRO, O. C.; PACHECO, M. H.; GILOBERT, V. M. INTOXICACION SALINA DE VIDES EN COSTA DE ARAUJO, MENDOZA. SALINITY INTOXICATION OF GRAPES AT COSTA DE ARAUJO, MENDOZA. (SPA; ENG SUM). INTA, CLIMO Y SUELO (SERIE 3) 1: 101-132. 1964. GRAPE VITACEAE: VITIS VINIFERA FIELD, SOIL SODIUM, CHLORIDE, BORON, SALINE WATER VISUAL SYMPTOMS, CHLORIDE UPTAKE, BORON UPTAKE

123. BRAUN, R. H.; PIZARRO, O. C.; CINTA, W. EVOLUCION ESTACIONAL DE LA CONCENTRACION DE ALGUNOS IONES EN HOJAS DE VID. SEASONAL EVOLUTION OF IONIC CONCENTRATIONS IN VINEGRAPE LEAVES (SPA; ENG SUM). REV. DE INVEST. AGRO. 6:77-101. 1969. GRAPE VITACEAE: VITIS FIELD, SOIL SALINE SOIL MINERAL COMPOSITION

124. BREEN, C. M.; EVERSON, C.; ROGERS, K. ECOLOGICAL STUDIES ON SPOROBOLUS VIRGINICUS (L.) KUNTH WITH PARTICULAR REFERENCE TO SALINITY AND INUNDATION. HYDROBIOLOGIA 54: 135-140. 1977. DROPSEED GRAMINEAE: SPOROBOLUS VIRGINICUS POT, SAND SODIUM, CHLORIDE GERMINATION, MINERAL COMPOSITION, ROOT GROWTH

125. BRIENS, M. INFLUENCE OF SODIUM CHLORIDE ON SOLUBLE GLUCIDES AND STARCH OF SUAEDA MACROCARPA. INFLUENCE DU CHLORURE DE SODIUM SUR LES GLUCIDES SOLUBLES ET L'AMIDON DE SUADEA MACROCARPA MOQ (FRE.). C. R. ACAD. SC. (PARIS) 274: 3549-3551. 1972. CHENOPODIACEAE: SUAEDA MACROCARPA WATER CULTURE SODIUM, CHLORIDE SUCROSE, FRUCTOSE, GLUCOSE

126. BRIGGS, D. GENECOLOGICAL STUDIES OF SALT TOLERANCE IN GROUNDSEL (SENECIO VULGARIS L.) WITH PARTICULAR REFERENCE TO ROADSIDE HABITATS. NEW PHYTOL. 81: 31-389. 1978. GROUNDSEL COMPOSITAE: SENECIO VULGARIS GERMINATION DISHES, GREENHOUSE, SOIL SODIUM, CHLORIDE ROOT GROWTH, VEGETATIVE GROWTH

127. BROGOWSKI, Z; CZERWINSKI, Z.; PRACZ, J. STAN ROWNOWAGI JONOWEJ A ODPORNOSC DRZEW I. KRZEWOW PARKOWYCH NA NA CL. IONIC BALANCE AND RESISTANCE OF PARK TREES AND SHRUBS TO SODIUM CHLORIDE USED FOR SNOW REMOVAL (POL; ENG SUM). ROCZ NAUK ROLN. SER A PROD ROSL 102:51-64. 1977 TREE-OF-HEAVEN; CATALPA, WESTERN; ASH, EUROPEAN; MAPLE, SILVER; CHERRY, BLACK SIMAROUBACEAE: AILANTHUS ALTISSIMA; BIGNONIACEAE: CATALPA SPECIOSA; OLEACEAE: FRAXINUS EXCELSIOR; ACERACEAE: ACER SACCHARINUM; ROSACEAE: PRUNUS SEROTIA FIELD, SOIL SODIUM, CHLORIDE MINERAL COMPOSITION

128. BROWN, J. C. GENETIC POTENTIALS FOR SOLVING PROBLEMS OF SOIL MINERAL STRESS: DEFICIENCY AND BORON TOXICITY IN ALKALINE SOILS PLANT ADAPTATION TO MINERAL STRESS IN PROBLEM SOILS. PROCEEDINGS OF A WORKSHOP HELD AT THE NATIONAL AGRICULTURAL LIBRARY, BELTSVILLE, MARYLAND, NOVEMBER 22-23. 83-94. 1976. BORON, IRON

129. BROWN, J. C. PHYSIOLOGY OF PLANT TOLERANCE TO ALKALINE SOILS. IN: CROP TOLERANCE TO SUBOPTIMAL LAND CONDITIONS. G. A. JUNG (ED.), 257-276. 1978.

130. BRUN, A.; WACQUANT, J. NUTRITION DES VEGETAUX -- EFFET DU CHLORURE DE SODIUM SUR LA CROISSANCE ET LA TENEUR EN SODIUM ET POTASSIUM DE QUATRE ESPECES DE LUZERNES ANNUELLES PROVENANT D'UN MEME BIOTOPE D'ALGERIE. EFFECT OF SODIUM CHLORIDE ON GROWTH, AND SODIUM AND POTASSIUM CONTENT OF FOUR ANNUAL MEDICAGO SPECIES ORIGINATED FROM THE SAME SITE IN ALGERIA. (FRE; ENG SUM). C. R. ACAD. SC. PARIS. 293: 769-772. 1981. ALFALFA LEGUMINOSAE: MEDICAGO CILIARIS, MEDICAGO POLYMORPHA, MEDICAGO TRUNCATULA, MEDICAGO MINIMA SODIUM, CHLORIDE SODIUM UPTAKE, VEGETATIVE GROWTH

131. BURDYGINA, V. S.; KUZIN, A. T. EFFECT OF THE SALINE CONCENTRATION OF SOIL ON THE YIELD OF MAIZE. (RUS). IZV. AKAD. NAUK. TURKMAN SSR, SER. BIOL. NAUK 6: 75-79. 1965. CORN GRAMINEAE: ZEA MAYS SOIL, FIELD PLOT SALINE SOIL VEGETATIVE GROWTH

132. BURENIN, V. I. STUDIES OF SALT RESISTANCE OF RED BEET VARIETIES, EVALUATION OF INITIAL BREEDING MATERIAL. (RUS.) BIULL. VSES. INST. RASIENIEVOD. 86: 56-58. 1978. BEET, RED CHENOPODIACEAE: BETA VULGARIS GERMINATION DISHES SODIUM, CHLORIDE GERMINATION

133. BUSCH, C. D.; TURNER, F. SPRINKLER IRRIGATION WITH HIGH SALT CONTENT WATER TRANS. AMER. SOC. AGRIC. ENGIN. 10:494-496. 1967 COTTON MALVACEAE: GOSSYPIUM FIELD, SOIL SPRINKLER IRRIGATION, SALINE WATER MATURATION, YIELD

134. BUSCHBOM, U. EXPERIENCES WITH DE-ICING SALTS IN WEST GERMANY. EUR. J. FOR PATHOL. 10: 349-353. 1980. DEICING SALT

135. CAMPBELL, W. F.; WAGENET, R. J.; BAMATRAF, A. M.; TURNER, D. L. PATH COEFFICIENT ANALYSIS OF CORRELATION BETWEEN STRESS AND BARLEY YIELD COMPONETS. AGRON. J. 72: 1012-1016. 1980. BARLEY GRAMINEAE: HORDEUM VULGARE GREENHOUSE, POT, SOIL CALCIUM, CHLORIDE, SODIUM, IRRIGATION FREQUENCY YIELD, SEED WEIGHT, VEGETATIVE GROWTH

136. CANTLIFFE, D. J.; SHULER, K. D.; WHITE, J. M. REDUCING VEGETABLE SEEDLING EXPOSURE TO SALT INJURY BY FASTER EMERGENCE THROUGH SEED TREATMENTS. ACTA HORTIC. 83: 261-266. 1978. CUCUMBER; PEPPER; SPINACH; CABBAGE CRUCIFERAE: BRASSICA OLERACEA VAR CAPITATA; CHENOPODIACEAE: SPINACIA OLERACEA; CUCURBITACEAE: CUCUMIS SATIVUS; SOLANACEAE: CAPSICUM ANNUUM FIELD, SOIL TEMPERATURE, POLYETHYLENE GLYCOL, SEED PRETREATMENT EMERGENCE

137. CARO, M.; FERNANDEZ, F. G.; CERDA, A.; GUILLEN, M. G. THE EFFECTS OF SODIUM CHLORIDE IN IRRIGATION WATER ON THE DEVELOPMENT OF CITRUS ROOTSTOCKS. REV. AGROQUIM AILMENT. 17: 501-508. 1977. CITRUS; ORANGE, SOUR; MANDARIN RUTACEAE: CITRUS AURANTIUM, CITRUS RETICULATA, CITRUS NOBILIS GREENHOUSE SODIUM, CHLORIDE HEIGHT, VEGETATIVE GROWTH, ROOT GROWTH

138. CARTER, M. R. EFFECTS OF SULPHATE AND CHLORIDE SOIL SALINITY ON GROWTH AND NEEDLE COMPOSITION OF SIBERIAN LARCH. CAN. J. PLANT SCI. 60: 903-910. 1980. LARCH, SIBERIAN PINACEAE: LARIX SIBERICA GREENHOUSE, FIELD, POT, SOIL CHLORIDE, SULFATE VEGETATIVE GROWTH, MINERAL COMPOSITION

139. CARTICA, R. J.; QUINN, J. A. RESPONSES OF POPULATIONS OF SOLIDAGO SEMPERVIRENS (COMPOSITAE) TO SALT SPRAY ACROSS A BARRIER BEACH. AM. J. BOT. 67: 1236-1242. 1980. GOLDENROD, SEASIDE COMPOSITAE: SOLIDAGO SEMPERVIRENS GREENHOUSE, FIELD SALT SPRAY ECOLOGY, STOMATAL DENSITY, TRICHOME DENSITY, LEAF THICKNESS

140. CAVALIERI, A. J.; HUANG, A. H. C. ACCUMULATION OF PROLINE AND GLYCINEBETAINE IN SPARTINA ALTERIFLORA LOISEL IN RESPONSE TO NACL AND NITROGEN IN THE MARSH. OECOLOGIA 49: 224-228. 1981. CORDGRASS GRAMINEAE: SPARTINA ALTERNIFLORA FIELD NITROGEN, SALINE SOIL LEAF WATER POTENTIAL, VEGETATIVE GROWTH, POLINE, GLYCINE BETAINE

141. CAVALIERI, A. J.; HUANG, A. H. C. EVALUATION OF PROLINE ACCUMULATION IN THE ADAPTATION OF DIVERSE SPECIES OF MARSH HALOPHYTES TO THE SALINE ENVIRONMENT. AMER. J. BOT. 66: 307-312. 1979. HALOPHYTE CHENOPODIACEAE: LIMONIUM CAROLINIANUM, JUNCUS ROEMERIANUS, SPARTINA ALTERNIFLORA, SPARTINA PATENS, DISTICHLIS SPICATA, SALICORNIA BIGELOVII, SALICORNIA VIRGINICA, BORRICHIA FRUTESCENS GROWTH CHAMBER, FIELD, SAND SODIUM, CHLORIDE, POLYETHYLENE GLYCOL PROLINE

142. CERDA, A.; BINGHAM, F. T. EFFECTS OF THE INTERACTION OF SODIUM CHLORIDE AND PHOSPHORUS ON THE FOLIAR CONTENT OF IRON, MANGANESE, ZINC, COPPER AND BORON IN PLANTS. EFFECTO DE LA INTERACCION NACL-P SOBRE EL CONTENIDO FOLIAR DE FE, MN, ZN, CU Y B EN PLANTAS. (SPA; ENG SUM). AN EDAFOL. AGROBIOL. 38: 233-243. 1979. SESAME; WHEAT; TOMATO PEDALIACEAE: SESAMUM INDICUM; GRAMINEAE: TRITICUM AESTIVUM; SOLANACEAE: LYCOPERSICON ESCULENTUM WATER CULTURE SODIUM, CHLORIDE, PHOSPHORUS MINERAL COMPOSITION, IRON UPTAKE, MANGANESE UPTAKE, ZINC UPTAKE, COPPER UPTAKE, BORON UPTAKE

143. CERDA, A.; BINGHAM, F. T.; HOFFMAN, G. J.; HUSZAR, C. K. LEAF WATER POTENTIAL AND GASEOUS EXCHANGE OF WHEAT AND TOMATO AS AFFECTED BY NACL AND P LEVELS IN THE ROOT MEDIUM. AGRON. J. 71: 27-31. 1979. WHEAT; TOMATO GRAMINEAE: TRITICUM AESTIVUM; SOLANACEAE: LYCOPERSICON ESCULENTUM GREENHOUSE, WATER CULTURE PHOSPHORUS, SODIUM, CHLORIDE

GRAIN YIELD, FRUIT YIELD, STOMATAL DIFFUSION RESISTANCE, LEAF WATER POTENTIAL

144. CERDA, A.; BINGHAM, F. T.; LABANAUSKAS, C. K. BLOSSOM-END ROT OF TOMATO FRUIT AS INFLUENCED BY OSMOTIC POTENTIAL AND PHOSPHORUS CONCENTRATIONS OF NUTRIENT SOLUTION MEDIA. J. AMER. SOC. HORT. SCI. 104: 236-239. 1979. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM WATER CULTURE, GREENHOUSE SODIUM, CHLORIDE, PHOSPHORUS BLOSSOM-END ROT, MINERAL COMPOSITION, FRUIT YIELD, PHOSPHORUS UPTAKE

145. CERDA, A.; CARO, M.; FERNANDEZ, F. G. INFLUENCIA DEL CLORURO SODICO EN EL AGUA DE RIEGO SOBRE LA COMPOSICION MINERAL DE LA HOJA DE TOMATE. EFFECT OF SODIUM CHLORIDE IN IRRIGATION WATER ON MINERAL COMPOSITION OF TOMATO LEAF (SPA; ENG SUM). AGROCHIMICA 21:503-512. 1977. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM FIELD, SOIL VARIETY, SODIUM, CHLORIDE MINERAL COMPOSITION

146. CERDA, A.; CARO, M.; FERNANDEZ, F. G.; GUILLEN, M. G. FOLIAR CONTENTS OF SODIUM AND CHLORIDE ON CITRUS ROOTSTOCKS IRRIGATED WITH SALINE WATERS. IN: MANAGING SALINE WATER FOR IRRIGATION, PROC. INTER. SALINITY CONF., TEXAS TECH UNIV. AUGUST 1976: 155-164. ORANGE, SOUR; CITRANGE, TROYER; MANDARIN, CLEOPATRA; ALEMOW; NANSHODAIDAI; MANDARIN, KINNOW RUTACEAE: CITRUS AURANTIUM, PONCIRUS TRIFOLIATE X CITRUS SINENSIS, CITRUS RETICULATA, CITRUS MACROPHYLLA, CITRUS TAIWANICA, CITRUS NOBILIS LAUREIRO X CITRUS DELICIOSA TENORE GREENHOUSE, SOIL SODIUM, CHLORIDE CHLORIDE UPTAKE, SODIUM UPTAKE

147. CERDA, A.; CARO, M.; FERNANDEZ, F. G.; GUILLEN, M. G. GERMINATION, DESARROLLO VEGETATIVO Y COMPOSICION MINERAL DEL GUISANTE (PISUM SATIVUM) EN CONDICIONES SALINAS. (SPA; ENG SUM).GERMINATION, PLANT GROWTH, AND MINERAL COMPOSITION OF PEAS (PISUM SATIVUM) IN SALINE CONDITIONS. AN EDAFOL. AGROBIOL. 38: 1827-1837. 1979. PEA LEGUMINOSAE: PISUM SATIVUM GREENHOUSE, SOIL VARIETY, SODIUM, CHLORIDE MINERAL COMPOSITION, PLANT GROWTH, GERMINATION

148. CERDA, A.; CARO, M.; FERNANDEZ, F. G.; GUILLEN, M. G. INFLUENCIA DE NACL EN EL AGUA DE RIEGO SOBRE LA COMPOSICION MINERAL DE TRES VARIEDADES DE PIMIENTO.INFLUENCE OF NACL IN IRRIGATION WATER ON THE MINERAL COMPOSITION OF THREE VARIETIES OF PEPPER. (SPA.) IN: COMPTES-RENDUS, 4E COLLOQ. INT. CONTROLE AILMENT PLANTES CULTIVEES. GENT, 1976. A. COTTENIE (ED). RIJKSUNIVERSITEIT, 1976. 1: 248-258. PEPPER SOLANACEAE: CAPSICUM ANNUUM FIELD PLOTS SODIUM, CHLORIDE VEGETATIVE GROWTH, MINERAL COMPOSITION

149. CERDA, A.; FERNANDEZ, F. G.; CARO, M. EFFECTO DEL CLORURO SODICO EN EL AGUA DE RIEGO SOBRE LA SUCULENCIA FOLIAR DE PORTAINJERTOS CITRICOS. EFFECTS OF SODIUM CHLORIDE IN THE IRRIGATION WATER ON THE FOLIAR SUCULENCE OF CITRUS ROOTSTOCKS. (SPA; ENG SUM). AN EDAFOL AGROBIOL. 36:393-398. 1977. ORANGE, SOUR; ORANGE, MANDARIN; CITRANGE RUTACEAE: CITRUS AURANTIUM, CITRUS RETICULATA, PONCIRUS TRIFOLIATA X CITRUS SINENSIS, CITRUS MACROPHYLLA, CITRUS TAIWANICA. ROOTSTOCK, SODIUM, CHLORIDE CHLORIDE UPTAKE

150. CERDA, A.; FERNANDEZ, F. G.; CARO, M. INFLUENCIA DEL CLORURO SODICO EN EL AGUA DE RIEGO SOBRE EL RENDIMENTO Y CALIDAD DEL TOMATE. EFFECT OF SODIUM CHLORIDE IN IRRIGATION WATER ON TOMATO YIELD AND QUALITY. (SPA; ENG SUM) AGROCHIMICA 21:295-304. 1977. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM FIELD, SOIL VARIETY, SODIUM, CHLORIDE FRUIT YIELD, FRUIT QUALITY

151. CERDA, A.; FERNANDEZ, F. G.; CARO, M.; GUILLEN, M. G. GROWTH AND MINERAL COMPOSITION OF TWO LEMON VARIETIES IRRIGATED WITH SALINE WATERS. AGROCHIMICA 23: 387-396. 1979. LEMON RUTACEAE: CITRUS LIMON LYSIMETER, SOIL VARIETY, CHLORIDE, SULFATE VEGETATIVE GROWTH, ROOT GROWTH, MINERAL COMPOSITION

152. CHAPMAN, H. D.; VANSELOW, A. P. BORON DEFICIENCY AND EXCESS CALIF. CITROG. 41:31-34. 1935. CITRUS RUTACEAE: CITRUS BORON BORON TOXICITY

153. CHAPMAN, S. R.; HART, L. DEVELOPING SALT TOLERANT CROP VARIETIES NOW. MONT. STATE COLL. EXT. SERV 13:10-11. 1977.

154. CHAPMAN, S. R.; HART, L.; NARDI, B. RATE OF IMBIBITION AS A TOOL IN SCREENING FOR SALT TOLERANCE. CEREAL RES. COMMUN. 6: 241-247. 1978. BARLEY GRAMINEAE: HORDEUM VULGARE GERMINATOR VARIETY, SODIUM, CHLORIDE GERMINATION, GERMINATION

155. CHATTERJEE, B. N.; CHATTERJEE, M.; DAS, N. R. NOTE ON THE DIFFERENCES IN THE RESPONSE OF WHEAT VARIETIES TO BORON. INDIAN J. AGRIC. SCI. 50: 796. 1980. WHEAT GRAMINEAE: TRITICUM AESTIVUM@ FIELD PLOT, SOIL BORON GRAIN YIELD

156. CHAUHAN, R. P. S.; CHAUHAN, C. P. S.; KUMAR, D. FREE PROLINE ACCUMULATION IN CEREALS IN RELATION TO SALT TOLERANCE. PLANT SOIL 57: 167-175. 1980. BARLEY; WHEAT GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM FIELD PLOT SODIUM, CHLORIDE, CALCIUM PROLINE ACCUMULATION, GRAIN YIELD

157. CHAUHAN, R. P. S.; POWAR, S. L. TOLERANCE OF WHEAT AND PEA TO BORON IN IRRIGATION WATER. PLANT SOIL 50: 145-149. 1978. WHEAT; PEA GRAMINEAE: TRITICUM AESTIVUM; LEGUMINOSAE: PISUM SATIVUM FIELD PLOT, SOIL BORON VISUAL SYMPTOMS, STRAW YIELD, GRAIN YIELD

158. CHAVAN, P. D.; KARADGE, B. A. INFLUENCE OF SALINITY ON LIPID COMPOSITION OF GROUNDNUT. PLANT BIOCHEM. J. 7: 89-93. 1980. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA FIELD PLOT SODIUM, CHLORIDE, SULFATE LIPID, POD YIELD

159. CHAVAN, P. D.; KARADGE, B. A. INFLUENCE OF SALINITY ON MINERAL NUTRITION OF PEANUT (ARACHIS HYPOGEA L.). PLANT AND SOIL 54: 5-13. 1980. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA FIELD PLOT, SOIL SODIUM, CHLORIDE, SULFATE VEGETATIVE GROWTH, MINERAL COMPOSITION

160. CHAVAN, P. D.; KARADGE, B. A. INFLUENCE OF SODIUM CHLORIDE AND SODIUM SULFATE SALINITIES ON PHOTOSYNTHETIC CARBON ASSIMILATION IN PEANUT. PLANT SOIL 56: 201-207. 1980. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA FIELD PLOT SODIUM, CHLORIDE, SULFATE CHLOROPHYLL, PHOTOSYNTHESIS, ASSIMILATION

161. CHEN, Y.; ZAHAVI, E.; BARAK, P.; UMIEL, N. EFFECTS OF SALINITY STRESSES ON TOBACCO. I. THE GROWTH OF NICOTIANA TABACUM CALLUS CULTURES UNDER SEAWATER, NACL, AND MANNITOL STRESSES. Z. PFLANZENPHYSIOL. 98: 141-153. 1980. TOBACCO SOLANACEAE: NICOTIANA TABACUM GERMINATION DISHES SEA WATER, SODIUM, CHLORIDE, MANNITOL CALLUS GROWTH, POTASSIUM UPTAKE, SODIUM UPTAKE

162. CHETVERTNYKH, L. M. RESISTANCE OF SWEETCLOVER SPECIES TO CHLORIDE-SULFATE SALINIZATION. (RUS). BIULL. VSES. INST. RASTENIEVOD 60: 51-54. 1976. CLOVER, WHITE SWEET; CLOVER, YELLOW SWEET LEGUMINOSAE: MELILOTUS ALBA, MELILOTUS OFFICINALIS POT, SOIL MAGNESIUM, SULFATE, SODIUM, CHLORIDE VEGETATIVE GROWTH

163. CHHABRA, R.; SINGH, S. B.; ABROL, I. P. EFFECT OF EXCHANGEABLE SODIUM PERCENTAGE ON THE GROWTH, YIELD, AND CHEMICAL

COMPOSITION OF SUNFLOWER (HELIANTHUS ANNUS L.). SOIL SCI. 127: 242-247. 1979. SUNFLOWER COMPOSITAE: HELIANTHUS ANNUUS SOIL, FIELD PLOTS GYPSUM, CALCIUM, SULFATE, EXCHANGEABLE SODIUM PERCENTAGE GERMINATION, VEGETATIVE GROWTH, GRAIN YIELD, MINERAL COMPOSITION, OIL CONTENT

164. CHHILLAR, R. K. EFFECT OF LEVELS OF NITROGEN AND PHOSPHORUS ON THE YIELD OF OAT IN SODIC SOILS. INDIAN J. AGRON. 25: 512-513. 1980. OATS GRAMINEAE: AVENA SATIVA FIELD PLOT GYPSUM, NITROGEN, PHOSPHORUS, CALCIUM, SULFATE YIELD

165. CHHIPA, B. R.; LAL, P. EFFECT OF PRESOAKING TREATMENTS AND POTASSIUM LEVELS ON GERMINATION AND FODDER YIELD OF BAJRA GROWN ON SALT AFFECTED SOILS. INDIAN J. AGRIC. RES. 10: 217-222. 1976. MILLET, PEARL GRAMINEAE: PENNISETUM GLAUCUM POT, SOIL SODIUM, SULFATE, CHLORIDE, MAGNESIUM, INDOLEACETIC ACID, INDOLEBUTYRIC ACID, SALINE SOIL, ALKALINE SOIL, SEED PRETREATMENT, POTASSIUM GERMINATION, VEGETATIVE GROWTH

166. CHILDS, S. W.; HANKS, R. J. MODEL OF SOIL SALINITY ON CROP GROWTH. SOIL SCI. SOC. AMER. PROC. 39: 617-622. 1975. MODELING SALINE SOIL ROOT DISTRIBUTION, YIELD

167. CHOHAN, T. I.; KHAN, W.; BANO, F. TRIALS TO IMPROVE SALT TOLERANCE IN TOMATOES. PROC. SEMINAR MEMBRANE BIOPHYSICS AND DEVELOPMENT SALT TOLERANCE IN PLANTS (FAISALABAD, PAKISTAN) MARCH 11-21, 1978: 82-90. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM POT, SOIL, SAND SODIUM, CHLORIDE, SEED PRETREATMENT LEAF FREQUENCY, HEIGHT, CHLOROPHYLL, VEGETATIVE GROWTH

168. CHROMETZKA, P.; DILLENBURG, W. WIE VERTRAGT DAS STRASSENBEGLEITGRUM STREUSALZ? HOW DOES THE ROADSIDE VEGETATION TOLERATE DEICING SALT? (GER). GARTENWELT 23: 499-500. 1974. TREE DEICING SALT SALT TOLERANCE

169. COOPER, A. THE EFFECTS OF SALINITY AND WATERLOGGING ON THE GROWTH AND CATION UPTAKE OFSALT MARSH PLANTS. NEW PHYTOL. 90: 263-275. 1982. FESCUE; RUSH; THRIFT; PLANTAIN; FROST FLOWER; GRASS, ARROW; SAMPHIRE GRAMINEAE: FESTUCA RUBRA; JUNCACEAE: JUNCUS GERARDII; PLUMBAGINACEAE: ARMERIA MARITIMA; PLANTAGINACEAE: PLANTAGO MARITIMA; COMPOSITAE: ASTER TRIPOLIUM; JUNCAGINACEAE: TRIGLOCHIN MARITIMA; CHENOPODIACEAE: SALICORNIA EUROPAEA SOIL, GERMINATION DISHES SODIUM, CHLORIDE ROOT GROWTH, SHOOT GROWTH, SODIUM UPTAKE, SALT TOLERANCE, GERMINATION, VEGETATIVE GROWTH

170. COOPER, H. P.; GARMAN, W. H. EFFECT OF APPLICATION OF SODIUM ON THE COMPOSITION AND YIELD OF COTTON AT DIFFERENT LEVELS OF POTASH FERTILIZATION. SOIL SCI. SOC. AMER. PROC. 7: 331-338. 1943. COTTON MALVACEAE: GOSSYPIUM FIELD PLOT, SOIL SODIUM. POTASSIUM, CHLORIDE, NITRATE YIELD, CALCIUM UPTAKE, SODIUM UPTAKE, POTASSIUM UPTAKE

171. CORDUKES, W. E. SALTOL, A SALT-TOLERANT RED FESCUE. CAN. J. PLANT SCI. 61: 761-764. 1981. FESCUE, RED GRAMINEAE: FESTUCA RUBRA, POA PRATENSIS, LOLIUM PERENNE FIELD PLOT, POT, SAND, PEAT MOSS, SOIL, GREENHOUSE SODIUM, CHLORIDE SALT SPRAY, SALT TOLERANCE

172. COUGHLAN, S. J.; WYN JONES, R. G. SOME RESPONSES OF SPINACEA-OLERACEA TO SALT STRESS. J. EXP. BOT. 31: 883-893. 1980. SPINACH CHENOPODIACEAE: SPINACIA OLERACEA GREENHOUSE, WATER CULTURE SODIUM, CHLORIDE, LIGHT VEGETATIVE GROWTH, WATER CONTENT, SODIUM UPTAKE, CHLORIDE UPTAKE, OSMOTIC PRESSURE, SHOOT GROWTH

173. CRACK, B. J.; CHIPPENDALE, F. ACCUMULATION OF SALT IN IRRIGATED NORTH QUEENSLAND TOBACCO SOILS. QUEENSLAND J. AGR.

SCI. 18:477-485. 1961. TOBACCO SOLANACEAE: NICOTIANA TABACUM FIELD SOIL SALINE SOIL CHLORIDE UPTAKE

174. CROUGHAN, T. P.; STAVAREK, S. J.; RAINS, D. W. IN VITRO DEVELOPMENT OF SALT RESISTANT PLANTS. ENVIRON. EXP. BOT. 21: 317-324. 1981. ALFALFA; RICE LEGUMINOSAE: MEDICAGO SATIVA; GRAMINEAE: ORYZA SATIVA WATER CULTURE SODIUM, CHLORIDE SALT TOLERANCE

175. CROUGHAN, T. P.; STAVAREK, S. J.; RAINS, D. W. SELECTION OF A NACL TOLERANT LINE OF CULTURED ALFALFA CELLS. CROP SCI. 18:959-963. 1978 ALFALFA LEGUMINOSAE: MEDICAGO SATIVA CELL CULTURE SODIUM, CHLORIDE CALLUS TISSUE, MINERAL COMPOSITION

176. CSIZINSKY, A. A. EFFECT OF SALT ON SEED GERMINATION AND TRANSPLANT SURVIVAL OF VEGETABLE CROPS. FLA. SCI. 42: 43-51. 1979. RADISH; LETTUCE; ONION; CARROT; BROCCOLI; CABBAGE; CAULIFLOWER; KOHLRABI; SQUASH CRUCIFERAE: BRASSICA OLERACEA VAR ITALICA, BRASSICA OLERACEA VAR CAPITATA, BRASSICA OLERACEA VAR BOTRYTIS, BRASSICA OLERACEA VAR CAULORAPA, RAPHANUS SATIVUS; UMBELLIFERAE: DAUCUS CAROTA VAR SATIVA; COMPOSITAE: LACTUCA SATIVA ; AMARYLLIDACEAE: ALLIUM CEPA; CUCURBITACEAE: CUCURBITA PEPO FIELD PLOT, SOIL FERTILIZER YIELD, SEEDLING SURVIVAL

177. DAFNI, A.; NEGBI, M. VARIABILITY IN PROSOPIS FARCTA IN ISRAEL: SEED GERMINATION AS AFFECTED BY TEMPERATURE AND SALINITY. ISRAEL J. BOT. 27: 147-159. 1978. LEGUMINOSAE: PROSOPIS FARCTA GERMINATION DISHES SODIUM, CHLORIDE, TEMPERATURE GERMINATION, RADICLE GROWTH

178. DAHIYA, I. S.; MALIK, R. S.; SINGH, M. FIELD STUDIES ON LEACHING BEHAVIOUR OF A HIGHLY SALINE-SODIC SOIL UNDER TWO MODES OF WATER APPLICATION IN THE PRESENCE OF CROPS. J. AGR. SCI., CAMB. 97: 383-389. 1981. SAND, SOIL, FIELD PLOT SALINE SOIL, SALINE WATER, LEACHING RECLAMATION

179. DAIYA, K. S.; SHARMA, H. K.; CHAWAN, D. D.; SEN, D. N. EFFECT OF SALT SOLUTIONS OF DIFFERENT OSMOTIC POTENTIAL ON SEED GERMINATION AND SEEDLING GROWTH IN SOME CASSIA SPECIES. FOLIA. GEOBOT. PHYTOTAXON. 15: 149-153. 1980. SENNA; SICKLEPOD; SENNA, COFFEE; AVARAM LEGUMINOSAE: CASSIA ANGUSTIFOLIA, CASSIA ITALICA, CASSIA PUMILA, CASSIA TORA, CASSIA OBTUSIFOLIA, CASSIA OCCIDENTALIS, CASSIA AURICULATA GERMINATION DISHES SODIUM, CHLORIDE, SULFATE, CALCIUM GERMINATION, SEEDLING GROWTH

180. DAKBROWSKA, L.; SWIEBODA, M. CHANGES IN THE CHARACTER OF MEADOW PLANT COMMUNITIES INDUCED BY THE OVER FLOW AND STAGINATION OF SALT WATERS (POL; ENG SUM). FRAGM, FLORIST GEOBOT 23: 68-76. 1977. SAND-SPURREY; SALTBUSH; ALKALI GRASS; QUACK GRASS GRAMINEAE: PUCCINELLIA DISTANS, ACROPYRON REPENS; CARYOPHYLLACEAE: SPERGULARIA SALINA; CHENOPODIACEAE: ATRIPLEX HASTATA FIELD, SOIL SALINE WATER ECOLOGY

181. DANTZMAN, C. L.; HODGES, E. M. EFFECT OF SALINE IRRIGATION WATER ON THE GROWTH OF PANGOLA DIGITGRASS (DIGITARIA DECUMBENS STENT.). SOIL CROP SCI. SOC. FLA. PROC. 37: 131-134. 1978. PANGOLA GRASS GRAMINEAE: DIGITARIA DECUMBENS FIELD PLOT, SOIL SODIUM, CHLORIDE VEGETATIVE YIELD, SODIUM UPTAKE, CHLORIDE UPTAKE, POTASSIUM UPTAKE, MAGNESIUM UPTAKE

182. DARRA, B. L.; SETH, S. P.; SINGH, H.; MENDIRATTA, R. S. EFFECT OF HORMONE-DIRECTED PRESOAKING ON EMERGENCE AND GROWTH OF OSMOTICALLY STRESSED WHEAT (TRITICUM AESTIVUM L.) SEEDS. AGRON. J. 65: 292-295. 1973. WHEAT GRAMINEAE: TRITICUM AESTIVUM GERMINATION DISHES SEED PRETREATMENT, GIBBERELLIC ACID, INDOLEBUTYRIC ACID, INDOLEACETIC ACID, NAPHTHALENEACETIC ACID, SODIUM, CHLORIDE EMERGENCE, GERMINATION, SEEDLING GROWTH, ROOT GROWTH

183. DARRA, B. L.; SHARMA, D. L.; NATHAM, P. NOTE ON EFFECT OF SOIL SALINITY ON GERMINATION OF SEEDS OF SOME CROPS. CURR. AGRIC. 2: 77-79. 1978. SAFFLOWER; BARLEY; MUSTARD; WHEAT; FLAX; PEA; GRAM; CORIANDER COMPOSITAE: CARTHAMUS TINCTORIUS; GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM; CRUCIFERAE: BRASSICA; LINACEAE: LINUM USITATISSIMUM; LEGUMINOSAE: PISUM SATIVUM, CICER ARIETINUM; UMBELLIFERAE: CORIANDRUM SATIVUM POT, SOIL SODIUM, CHLORIDE, SULFATE, CALCIUM GERMINATION

184. DARWIN, C. ON THE ACTION OF SEA-WATER ON THE GERMINATION OF SEEDS. J. LINN. SOC. 1: 130-140. 1857. VEGETABLES; GRASSES GRAMINEAE: SOLANACEAE: HYDROPHYLLACEAE: CRUCIFERAE: COMPOSITAE: LEGUMINOSAE : POLEMONIACEAE TEST TUBE SEA WATER, TEMPERATURE GERMINATION

185. DATTA, S. K.; PRADHAN, S. S. A MASS-SCREENING METHOD FOR SALT TOLERANCE OF RICE VARIETIES AT SEEDLING STAGE. INT. RICE RES. NEWL. 6: 9-10. 1981. RICE GRAMINEAE: ORYZA SATIVA GREENHOUSE SODIUM, CHLORIDE SEEDLING GROWTH, VEGETATIVE GROWTH, WATER UPTAKE, ROOT GROWTH, SHOOT GROWTH

186. DE JONG, T. M. COMPARATIVE GAS EXCHANGE AND GROWTH RESPONSES OF C3 AND C4 BEACH SPECIES GROWN AT DIFFERENT SALINITIES. OECOLOGIA 36:59-68. 1978. CHENOPODIACEAE: ATRIPLEX LEUCOPHYLLA, ATRIPLEX CALIFORNICA; NYCTAGINACEAE: ABRONIA MARITIMA. POT, SAND, GREENHOUSE SEA WATER PHOTOSYNTHESIS, CARBON DIOXIDE UPTAKE, GROWTH RATE, VEGETATIVE GROWTH

187. DEHAN, K.; TAL, M. SALT TOLERANCE IN WILD RELATIVES OF CULTIVATED TOMATO - RESPONSES OF SOLANUM PENELLII TO HIGH SALINITY. IRRIGATION SCI. 1:71-76. 1978. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM, SOLANUM PENNELLII GREENHOUSE, WATER CULTURE SODIUM, CHLORIDE WATER CONTENT, ROOT GROWTH, VEGETATIVE GROWTH, CHLORIDE UPTAKE, SODIUM UPTAKE, POTASSIUM UPTAKE

188. DEMERITT, M. E., JR. PROSPECTS FOR SELECTING AND BREEDING TREES RESISTANT TO DEICING SALTS. NORTHEAST FOR. TREE IMPROV. CONF. PROC. 20: 130-140. 1970. TREE

189. DEMETRIADES, S. D.; HOLEVAS, C. D.; GAVALAS, N. A. BORON TOXICITY IN CITRUS TREES IN GREECE. ANN 1ST. PHYTOPATH. (BENAKI) (N.S.) 4:118-121. 1962. LEMON; CITRON RUTACEAE: CITRUS LIMON, CITRUS MEDICA FIELD BORON INJURY SYMPTOM

190. DEVI, C. S.; RAO, G. G.; RAO, G. R. CARBON-14 LABELED CARBON DIOXIDE INCORPORATION STUDIES UNDER SALT STRESS IN SAFFLOWER CARTHAMUS-TINCTORIUS. J. NUCLEAR AGRIC. BIOL. 9: 129-132. 1980. SAFFLOWER COMPOSITAE: CARTHAMUS TINCTORIUS GREENHOUSE, POTS, RED SOIL-MANURE SODIUM, CHLORIDE GERMINATION, PLANT HEIGHT, DRY WEIGHT, LEAF AREA INDEX, GROWTH RATE, 14CO2 INCORPORATION, LEAF AREA

191. DEVI, C. S.; RAO, G. R. INFLUENCE OF SALINITY ON STOMATAL BEHAVIOR IN GROUNDNUT. INDIAN J. PLANT PHYSIOL. 23: 174-180. 1980. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA POT, SOIL SODIUM, CHLORIDE STOMATAL CHARACTERISTIC, STOMATAL FREQUENCY, STOMATAL BEHAVIOR, TRANSPIRATION RATE

192. DEVITT, D.; JARRELL, W. M.; STEVENS, K. L. SODIUM-POTASSIUM RATIOS IN SOIL SOLUTION AND PLANT RESPONSE UNDER SALINE CONDITIONS. SOIL SCI. SOC. AM. J. 45: 80-86. 1981. WHEAT GRAMINEAE: TRITICUM AESTIVUM LYSIMETER, SOIL SODIUM, CHLORIDE, POTASSIUM ROOT GROWTH, YIELD

193. DHINGRA, H. R.; VARGHESE, T. M. GERMINATION IN SUAEDA FRUTICOSA FORSK IN RELATION TO SALINITY. GEOBIOS. 6: 189-191. 1979. SEA BLITE CHENOPODIACEAE: SUAEDA FRUTICOSA GERMINATION DISH SODIUM, CHLORIDE, CALCIUM, MAGNESIUM, SODIUM, SULFATE GERMINATION

194. DHIR, R. P.; BHOLA, S. N.; KOLARKAR, A. S. PERFORMANCES OF "KHARCHIA 65" AND "KALYAN SONA" WHEAT VARIETIES AT DIFFERENT LEVELS OF WATER SALINITY AND NITROGENOUS FERTILIZERS. INDIAN J. AGRIC. SCI. 47:244-248. 1977. WHEAT GRAMINEAE: TRITICUM AESTIVUM FIELD PLOT, SOIL FERTILIZER, NITROGEN, SODIUM, CHLORIDE, BICARBONATE, POTASSIUM, MAGNESIUM, SULFATE, CALCIUM GRAIN YIELD, GRAIN WEIGHT

195. DIX, P. J.; STREET, H. E. SODIUM CHLORIDE-RESISTANT CULTURED CELL LINES FROM NICOTIANA SYLVESTRIS AND CAPSICUM ANNUUM. PLANT SCI. LETT. 5:231-237. 1975. TOBACCO; PEPPER SOLANACEAE: NICOTIANA SYLVESTRIS, CAPSICUM ANNUUM CELL CULTURE SODIUM, CHLORIDE CELL GROWTH

196. DJENOV. C. CERCETARI CU PRIVIRE LA MARIREA REZISTENTEI FATA DE SARURI A UNOR PLANTE DE CULTURA. INVESTIGATIONS ON INCREASING SALT RESISTANCE IN SOME CULTIVATED PLANTS. (RUM). STUDII. CERC. BIOL. (SER. BOT.) 17: 301-311. 1965. SORGHUM; RICE GRAMINEAE: ORYZA SATIVA, SORGHUM BICOLOR GERMINATION DISHES, POT MAGNESIUM, SULFATE, SODIUM, CHLORIDE GERMINATION, CATALASE, VEGETATIVE GROWTH, PHOTOSYNTHESIS

197. DOCHINGER, L. S.; TOWNSEND, A. M. EFFECTS OF ROADSIDE DEICER SALTS AND OZONE ON RED MAPLE PROGENIES. ENVIRON. POLLUT. 19: 229-237. 1979. MAPLE, RED ACERACEAE: ACER RUBRUM POT, SAND, GREENHOUSE SODIUM, CHLORIDE, DEICING SALT, OZONE VEGETATIVE GROWTH

198. DOERTER, K.; GENDY, S. E.; LEISTER, S. EINFLUSS VON MIT SALZEN BETLASTETEM BEWASSERUNGSWASSER AUF BODENEIGENSCHAFTEN UND PFLANZENWACHSTUM EINES LOSSES. INFLUENCE OF IRRIGATION WATER LOADED WITH SALTS ON SOIL PROPERTIES AND PLANT GROWTH IN LOESS SOIL. (GER.) WISS. Z. MARTIN LUTHER UNIV. HALLE-WITTENBERG MATH-NATURWISS REIHE 26: 39- 49. 1977. CLOVER, RED; RYEGRASS, ITALIAN; FESCUE, MEADOW LEGUMINOSAE: TRIFOLIUM PRATENSE; GRAMINEAE: LOLIUM MULTIFLORUM, FESTUCA PRATENSIS GREENHOUSE, POT, SOIL SALINE WATER VEGETATIVE GROWTH

199. DOW, A. I.; CLINE, T. A.; HORNING, E. V. SALT TOLERANCE STUDIES ON IRRIGATED MINT. WASH. STATE UNIV. AGRIC. BULL. 0906. 11P. 1981. MINT LABIATAE: MENTHA PIPERITA, MENTHA CARDIACA POT, SAND, FIELD, GREENHOUSE SODIUM, CHLORIDE, CALCIUM VEGETATIVE GROWTH, SALT MOVEMENT, YIELD

200. DOWDEN, H. G. M.; LAMBERT, M. J.; TRUMAN, R. SALINITY DAMAGE TO NORFOLK ISLAND PINES CAUSED BY SURFACTANTA. II. EFFECTS OF SEA WATER AND SURFACTANT MIXTURES ON THE HEALTH OF WHOLE PLANTS. AUST. J. PLANT PHYSIOL. 5: 387-395. 1978. PINE, NORFOLK ISLAND ARAUCARIACEAE: ARAUCARIA HETEROPHYLLA POT, SOIL SEA WATER, SODIUM ALKYLBENZENE SULFONATE, SALT SPRAY VEGETATIVE GROWTH, TOXICITY SYMPTOM, SODIUM UPTAKE, CHLORIDE UPTAKE, POTASSIUM UPTAKE

201. DOWNTON, W. J. S. CHLORIDE ACCUMULATION IN DIFFERENT SPECIES OF GRAPEVINE SCI. HORTIC. 7:249-253. 1977. GRAPE VITACEAE: VITIS RUPESTRIS, VITIS BERLANDIERI, VITIS RIPARIA, VITIS CANDICANS, VITIS LONGII, VITIS CHAMPINI, VITIS CINERIA, VITIS CORDIFOLIA, VITIS VINIFERA SOIL, FIELD CHLORIDE CHLORIDE UPTAKE

202. DOWNTON, W. J. S. GROWTH AND FLOWERING IN SALT-STRESSED AVOCADO TREES. AUST. J. AGRIC. RES. 29:523-534. 1978. AVOCADO LAURACEAE: PERSEA AMERICANA POT, SAND, SOIL, GREENHOUSE SODIUM, CHLORIDE, ROOTSTOCK FLOWERING, VEGETATIVE GROWTH, CHLORIDE UPTAKE, SODIUM UPTAKE

203. DOWNTON, W. J. S. INFLUENCE OF ROOT STOCKS ON THE ACCUMULATION OF CHLORIDE, SODIUM, AND POTASSIUM IN GRAPEVINES. AUST. J. AGRIC. RES. 28:879-889. 1977. GRAPE VITACEAE: VITIS CHAMPINI, VITIS RUPESTRIS, VITIS RIPARIA, VITIS VINIFERA SOIL, FIELD SCION, ROOTSTOCK CHLORIDE UPTAKE, SODIUM UPTAKE, POTASSIUM UPTAKE

204. DOWNTON, W. J. S. SALINITY EFFECTS ON THE ION COMPOSITION OF FRUITING CABERNET SAUVIGNON VINES. AM. J. ENOL. VITIC. 28: 210-214. 1977. GRAPE VITACEAE: VITIS VINIFERA POT, SOIL, GREENHOUSE SODIUM, CHLORIDE MINERAL COMPOSITION, SHOOT GROWTH, SODIUM UPTAKE, CHLORIDE UPTAKE, POTASSIUM UPTAKE

205. DOWNTON, W. J. S.; CROMPTON, A. W. BUDBURST IN SULTANA GRAPEVINE AS INFLUENCED BY SALINITY AND ROOTSTOCK. AUST. J. EXP. AGRIC. ANIM. HUSB. 19: 749-752. 1979. GRAPE VITACEAE: VITIS VINIFERA POT, SOIL, GREENHOUSE SODIUM, CALCIUM, MAGNESIUM, CHLORIDE, ROOTSTOCK CHLORIDE UPTAKE, BUD BREAK

206. DOWNTON, W. J. S.; HAWKER, J. S. INTERACTION OF BORON AND CHLORIDE ON GROWTH AND MINERAL COMPOSITION OF CABERNET SAUVIGNON VINES. AMER. J. ENOL. VITIC. 31: 277-282. 1980. GRAPE VITACEAE: VITIS VINIFERA SOIL, GREENHOUSE, POT BORON, CHLORIDE VEGETATIVE GROWTH, MINERAL COMPOSITION

207. DOWNTON, W. J. S.; LOVEYS, B. R. COMPOSITIONAL CHANGES DURING GRAPE BERRY DEVELOPMENT IN RELATION TO ABSCISIC ACID AND SALINITY. AUST. J. PLANT PHYSIOL. 5: 415-423. 1978. GRAPE VITACEAE: VITIS VINIFERA POT, SOIL, GREENHOUSE CHLORIDE, SODIUM, CALCIUM, MAGNESIUM ABSCISIC ACID, REDUCING SUGAR, FRUIT WEIGHT, OSMOTIC PRESSURE, TITRATABLE ACID, PROLINE, ARGININE, CHLORIDE UPTAKE, POTASSIUM UPTAKE

208. DRAGSTED, J. OPTONINGSSALTS BETYDNING FOR VEGETATIONSSKADER. RELATION OF SALT USED FOR MELTING HIGHWAY SNOW IN THE WINTER TO PLANT INJURIES. (DAN). UGESKR. F. AGRON. HORT. FORST., OG LIC. 122: 27-30. 1977. TREE FIELD DEICING SALT LEAF INJURY, CHLORIDE UPTAKE

209. DUDDE, K. B.; MALEWAR, G. U.; GAFFAR, S. A. STUDIES ON THE EFFECT OF NIROGEN, PHOSPHORUS, MOISTURE AND ALKALI LEVELS ON KERNEL YIELD OF GROUNDNUT. J. INDIAN SOC. SOIL SCI. 28: 394-395. 1980. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA POT, SOIL PHOSPHORUS YIELD

210. DUVICK, D. N.; KLEESE, R. A.; FREY, N. M. BREEDING FOR TOLERANCE OF NUTRIENT IMBALANCES AND CONSTRAINTS TO GROWTH IN ACID, ALKALINE AND SALINE SOILS. J. PLANT NUTR. 4: 111-129. 1981. CORN; WHEAT; SOYBEAN; SORGHUM GRAMINEAE: ZEA MAYS, TRITICUM AESTIVUM, SORGHUM BICOLOR, LEGUMINOSAE: GLYCINE MAX, MEDICAGO SATIVA MINERAL COMPOSITION

211. ECKSTEIN, D.; LIESE, W.; PLOSSL, J. HISTOMETRIC STUDIES ON WILLOWS (SALIX SPP.) OF DIFFERENT SALT TOLERANCE. HISTOMETRISCHE UNTERSUCHUNGEN ZUR UNTERSCHIEDLICHEN STREUSALZTOLERANZ VON WEIDEN (SALIX SPP.). (GER; ENG). FORSTWISS. CENTRALBL. 97: 335-341. 1978. WILLOW, WHITE; OSIER; WILLOW SALICACEAE: SALIX ALBA, SALIX VIMINALIS, SALIX RUBENS, SALIX ALOPECUROIDES, SALIX MEYERIANA, SALIX BASFORDIANA HISTOLOGY

212. EDER, A.; HUBER, W.; SANKHLA, N. INTERACTION BETWEEN SALINITY AND ETHYLENE IN NITROGEN METABOLISM OF PENNISETUM TYPHOIDES SEEDLINGS. BIOCHEM. PHYSIOL. PFLANZ. 171:93-100. 1977. MILLET, PEARL GRAMINEAE: PENNISETUM AMERICANUM GERMINATION DISHES SODIUM, CHLORIDE, 2-CHLORETHYL-PHOSPHONIC ACID PROTEIN, ENZYME, AMINO ACID, PROLINE, ASPARTATE AMINOTRANSFERASE, ALANINE AMINOTRANSFERASE, GLUTAMATE DEHYDROGENASE, PROLINE DEHYDROGENASE, LEUCINE ARYLAMIDASE

213. EDONGALI, E. A.; FERRIS, H. VARIETAL RESPONSE OF TOMATO TO THE INTERACTION OF SALINITY AND MELOIDOGYNE INCOGNITA INFECTION. J. NEMATOL. 14: 57-62. 1982. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM VERMICULITE, GREENHOUSE, SAND, POT MELOIDOGYNE INCOGNITA, SODIUM, CHLORIDE, CALCIUM HEIGHT, VEGETATIVE GROWTH, FRUIT GROWTH, FLOWERING, ROOT GROWTH

214. EGOZQUE,, R. M. SIEMBRA DE AGROPIRO ALARGADO (AGROPYRON ELONGATUM) EN SUELOS CON PROBLEMAS DE SALINIDAD-ALCALINIDAD. SOWING TALL WHEATGRASS IN SOILS WITH SALINITY-ALKALINITY PROBLEMS. (SPA). ASUNTOS AGRARIOS 1: 16-19. 1980. WHEATGRASS, TALL GRAMINEAE: AGROPYRON ELONGATUM FIELD, SOIL SALINE SOIL, ALKALI SOIL VEGETATIVE GROWTH

215. EL KAROURI, M. O. H. EFFECTS OF SOIL SALINITY ON BROAD BEAN (VICIA FABA) IN THE SUDAN. EXP. AGRIC. 15: 59-63. 1979. BEAN, BROAD LEGUMINOSAE: VICIA FABA FIELD PLOT, SOIL SALINE SOIL, SODIUM, SULFATE VEGETATIVE GROWTH, BEAN YIELD

216. EL KAROURI, M. O. H.; MANSI, M. G. PERFORMANCE OF SORGHUM (SORGHUM VULGARE) AND MAIZE (ZEA MAYS) IN FORAGES INIRRIGATED SALINE SOILS OF THE SUDAN. EXPL. AGRIC. 16: 431-436. 1980. SORGHUM; CORN GRAMINEAE: SORGHUM BICOLOR, ZEA MAYS PLOT, SOIL SALINE SOIL VEGETATIVE GROWTH

217. EL SAHHAR, K. F.; ZANATI, M. R. EFFECT OF SOIL SALINITY AND SODICITY ON MATRICARIA CHAMOMILLA L. GROWTH. COMMUN. SOIL SCI. PLANT ANAL. 12: 1093-1103. 1981. CHAMOMILE COMPOSITAE: MATRICARIA RECUTITA SOIL, FIELD SODIUM, CHLORIDE, SOIL TYPE VEGETATIVE GROWTH, HEIGHT

218. EL-ABASERI, M. A.; REZK, M. L.; AHMED, A. R. EVALUATION OF NAPIER GRASS UNDER THE SOIL CONDITIONS OF THE NORTH PART OF NILE DELTA. J. AGRIC. RES. TANTA UNIV. 5: 358-368. 1979. GRASS, NAPIER GRAMINEAE: PENNISETUM PURPUREUM FIELD PLOT, SOIL SALINE SOIL VEGETATIVE GROWTH

219. EL-BELTAGY, A. S.; HALL, M. A. BASIC ELEMENTS FOR POSSIBLE NEW TECHNIQUE TO A SCREEN FOR PLANT RELATIVELY TOLERANT TO WATER STRESS. EGYPT. J. HORT. 6: 261-267. 1979. BEAN, BROAD LEGUMINOSAE: VICIA FABA POT, COMPOST, GREENHOUSE WATER TABLE, MOISTURE STRESS ETHYLENE

220. EL-BELTAGY, A. S.; KHALIFA, N. M.; HALL, M. H. SALINITY IN RELATION TO ETHYLENE. EGYPT. J. HORT. 6: 269-271. 1979. SPINACH; TOMATO; PEPPER CHENOPODIACEAE: SPINACIA OLERACEA; SOLANACEAE: LYCOPERSICON ESCULENTUM, CAPSICUM FRUTESCENS SODIUM, CHLORIDE ETHYLENE

221. EL-FOULY, M. M.; JUNG, J. INFLUENCE OF INCREASING NACL CONCENTRATIONS IN THE IRRIGATION WATER ON GROWTH, MINERAL CONTENT AND ENZYME ACTIVITY OF WHEAT SEEDLINGS. AGROCHIMICA 25: 306-317. 1981. WHEAT GRAMINEAE: TRITICUM AESTIVUM SAND, POT SODIUM, CHLORIDE HEIGHT, VEGETATIVE GROWTH, SEEDLING GROWTH, MINERAL COMPOSITION, ENZYME ACTIVITY

222. EL-KADI, M.; GABR, A. I.; EL-SAIDI, M. T.; KORTAM, M. A. THE EFFECT OF DIFFERENT COMBINATIONS OF SOIL SALINITY AND NITROGEN LEVELS ON MINERAL COMPOSITION OF COTTON PLANTS. ACTA AGRON. 26:176-181. 1977. COTTON MALVACEAE: GOSSYPIUM BARBADENSE GREENHOUSE, POT, SOIL SODIUM, SULFATE, CHLORIDE, NITROGEN, FERTILIZER NITROGEN UPTAKE, PHOSPHORUS UPTAKE, POTASSIUM UPTAKE

223. EL-SHARKAWI, H. M.; SALAMA, F. M. SALT TOLERANCE CRITERIA IN SOME WHEAT AND BARLEY CULTIVARS. II. ADJUSTMENTS IN INTERNAL WATER BALANCE. BULL. FAC. SCI. ASSIUT. UNIV. 5: 1-15. 1976. WHEAT; BARLEY GRAMINEAE: TRITICUM AESTIVUM, HORDEUM VULGARE POT, SOIL SODIUM, CALCIUM, CHLORIDE OSMOTIC PRESSURE, LEAF WATER CONTENT

224. EL-SHARKAWI, H. M.; SPRINGUEL, I. V. GERMINATION OF SOME CROP PLANT SEEDS UNDER SALINITY STRESS. SEED SCI. TECHNOL. 7: 27-37. 1979. WHEAT; BARLEY; SUDAN GRASS GRAMINEAE: TRITICUM AESTIVUM, HORDEUM VULGARE, SORGHUM SUDANESE GERMINATION DISH SODIUM, CHLORIDE, CALCIUM, TEMPERATURE, OSMOTIC WATER POTENTIAL GERMINATION, SEEDLING GROWTH

225. EL-SHOURBAGY, M. N.; ABDULLA, O. A.; AHMED, F. A. EFFECTS OF CONSTANT AND GRADUAL EXPOSURE TO SODIUM CHLORIDE STRESS ON DNA, RNA, PROTEIN AND CERTAIN PROTEIN-AMINO ACIDS IN TWO VARIETIES OF BARLEY. PHYTON ANN. REI. BOT. 20: 215-225. 1980. BARLEY GRAMINEAE: HORDEUM VULGARE POT, WATER CULTURE SODIUM, CHLORIDE, VARIETY DESOXYRIBONUCLEIC ACID, RIBONUCLEIC ACID, PROTEIN, AMINO ACID, GLUTAMIC ACID, ARGININE, LYSINE, CYSTINE, THREONINE, ALANINE, TYROSINE, PROLINE, ASCORBIC ACID

226. EL-SHOURBAGY, M. N.; MISSAK, N. L. EFFECT OF GROWING SEASON AND SALINITY ON GROWTH, MINERAL COMPOSITION AND SEED-LIPID CHARACTERISTICS OF SOME RICINUS COMMUNIS L. VARIETIES. FLORA 164: 51-71. 1975. BEAN, CASTOR EUPHORBIACEAE: RICINUS COMMUNIS SAND, GREENHOUSE SODIUM, CHLORIDE VEGETATIVE GROWTH, FLOWERING, YIELD, HEIGHT

227. ELLIOTT, G. C.; NELSON, P. V. ACUTE BORON TOXICITY IN BEGONIA X HIEMALIS 'SCHWABENLAND RED'. SOIL SCI. PLANT ANAL. 12: 775-783. 1981. BEGONIAS, WINTER-FLOWERING BEGONIACEAE: BEGONIA X HIEMALIS SOIL, POT, GREENHOUSE BORON MINERAL COMPOSITION, LEAF INJURY

228. ELLOUZE, M.; GHARSALLI, M.; CHERIF, A. ACTION DU CHLORURE DE SODIUM SUR LA COMPOSITION LIPIDIQUE DES FEUILLES DU TOURNESOL (HELIANTHUS ANNUUS L.) ET DE LA "LIME RANGPUR" (CITRUS LIMONIA OSBECK). THE ACTION OF SODIUM CHLORIDE ON LIPID COMPOSITION IN SUNFLOWER AND RANGPUR LIME LEAVES. (FRE; ENG SUM). PHYSIOL. VEG. 18: 1-10. 1980. SUNFLOWER; LIME, RANGPUR COMPOSITAE: HELIANTHUS ANNUUS; RUTACEAE: CITRUS LIMONIA WATER CULTURE SODIUM, CHLORIDE LIPID

229. ENDE, J. VAN DEN, SONNEVELD, C. SALINE IRRIGATION WATER IN GREENHOUSE CULTIVATION IN THE WEST NETHERLANDS. LANDBOUWB. TIJDSCHR. 80: 348-353. 1968. CUCUMBER; TOMATO; LETTUCE; AZALEA ERICACEAE: RHODODENDRON INDICUM; SOLANACEAE: LYCOPERSICON ESCULENTUM; CUCURBITACEAE: CUCUMIS SATIVUS; COMPOSITAE: LACTUCA SATIVA

230. EPSTEIN, E. GENETIC POTENTIALS FOR SOLVING PROBLEMS OF SOIL MINERAL STRESS: ADAPTATION OF CROPS TO SALINITY PROC. WORKSHOP ON PLANT ADAPTATION TO MINERAL STRESS IN PROBLEM SOILS, BELTSVILLE, MARYLAND. NOV. 22-23. 1976: 73-82. 1976.

231. EPSTEIN, E. TOWARD SEAWATER-BASED CROP PRODUCTION. SEA GRANT PUBL. UNIV. CALIF. SEA GRANT COLL. PROGRAM 61: 90-91. 1977. BARLEY; WHEAT; TOMATO GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM; SOLANACEAE: LYCOPERSICON CHEESMANII SOIL, FIELD SEA WATER YIELD

232. EPSTEIN, E.; NORLYN, J. D.; RUSH, D. W.; KINGSBURY, R. W.; KELLEY, R. W.; CUNNINGHAM, G. A.; WRONA, A. F. SALINE CULTURE OF CROPS: A GENETIC APPROACH SCIENCE 210: 399-404. 1980. BARLEY; WHEAT; TOMATO GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM; SOLANACEAE: LYCOPERSICON ESCULENTUM

233. ERDEI, L.; KUIPER, P. J. C. THE EFFECT OF SALINITY ON GROWTH, CATION CONTENT, NA+ -UPTAKE AND TRANSLOCATION IN SALT-SENSITIVE AND SALT-TOLERANT PLANTAGO SPECIES. PHYSIOL. PLANT 47: 95-99. 1979. PLANTAGINACEAE: PLANTAGO MEDIA, PLANTAGO CORONOPUS, PLANTAGO MARITIMA WATER CULTURE SODIUM, CHLORIDE VEGETATIVE GROWTH, SODIUM UPTAKE, CALCIUM UPTAKE, MAGNESIUM UPTAKE, POTASSIUM UPTAKE

234. ERDEI, L.; KUIPER, P. J. C.; STUIVER, B. THE EFFECT OF SALINITY ON LIPID COMPOSITION AND ON ACTIVITY OF CALCIUM STIMULATED AND MAGNESIUM STIMULATED ATPASES IN SALT SENSITIVE AND SALT TOLERANT PLANTAGO SPECIES. PHYSIOL. PLANT 49: 315-319. 1980. PLANTAIN PLANTAGINACEAE: PLANTAGO MEDIA, PLANTAGO MARITIMA, PLANTAGO CORONOPUS GREENHOUSE, GROWTH CHAMBER SODIUM, CHLORIDE LIPID COMPOSITION, FATTY ACIDS, ADENOSINE TRIPHOSPHATE, PHOSPHOLIPIDS, GALACTOLIPIDS, SULFOLIPID, STEROLS, SITOSTEROLS, CHOLESTEROLS

235. ESCOLAR, R. P.; VELEZ, J. S. O. PERFORMANCE OF SUGARCANE VARIETY P.R. 980 GROWN ON A PARTIALLY RECLAIMED SALINE SODIC SOIL OF THE LAJAS VALLEY. J. AGRIC. UNIV. P. R. 63: 377-35. 1979. SUGARCANE GRAMINEAE: SACCHARUM OFFICINARUM FIELD PLOTS, SOIL SALINE SOIL MINERAL COMPOSITION, CANE YIELD, SUCROSE YIELD

236. ESHEL, A. WAISEL, Y. DISTRIUTION OF SODIUM AND CHLORIDE IN LEAVES OF SUAEDA MONOICA. PHYSIOL. PLANT 46: 151-154. 1979. CHENOPODIACEAE: SUAEDA MONOICA SAND, GREENHOUSE SODIUM, CHLORIDE SODIUM UPTAKE, CHLORIDE UPTAKE

237. EVERETT, P. H. INFLUENCE OF PLUG-MIX PLACEMENT AND OVERHEAD WATERING ON SOLUBLE SALT ACCUMULATION AND SUBSEQUENT INJURY TO TOMATOES GROWN WITH FULL-BED MULCH. PROC. TROP. REG. AM. SOC. HORTIC. SCI. 18TH: 216-233. 1974. TOMATO SOLANACEAE: LYCOPERSICON SOIL SALINE SOIL, PLUG-MIX PLACEMENT, SPRINKLER IRRIGATION GERMINATION, FRUIT YIELD

238. EVERITT, J. H.; ALANIZ, M. A.; GERBERMANN, A. H. CHEMICAL COMPOSITION OF NATIVE RANGE GRASSES GROWING ON SALINE SOILS OF THE SOUTH TEXAS PLAINS. J. RANGE MANAGE. 35: 43-46. 1982. DROPSEED; BRISTLE GRASS; PAPPUSGRASS, PINK; COTTONTOP, ARIZONA; TRIDENTS, WHITE; GRAMA, RED GRAMINEAE: HILARIA BELANGERI, SPOROBOLUS PYRAMIDATUS, SETARIA MACROSTACHYA, PAPPOPHORUM BICOLOR, TRIDENS ALBESCENS, BOUTELOUA TRIFIDA FIELD SALINE SOIL MINERAL COMPOSITION

239. EVERS, F. H. UBER SCHADEN IN FISCHENBESTANDEN DURCH ABGESCHWEMMTE AUFTAUSALZE. ABOUT ThE DAMAGE ON PINE TREES FROM DEICING SALT RUNOFF. (GER; ENG SUM). FORSTW. CBI. 90: 363-369. 1971. SPRUCE PINACEAE: PICEA ABIES DEICING SALT SODIUM UPTAKE, CHLORIDE UPTAKE

240. FADEN, A. O.; KIRKHAM, M. B. SALT TOLERANCE OF DROUGHT-SENSITIVE AND DROUGHT-RESISTANT WHEAT. BIOSALINE RESEARCH: A LOOK TO THE FUTURE. A. SAN PIETRO (ED.). PLENUM PUBL. CORP. 467-472. 1982. WHEAT GRAMINEAE: TRITICUM AESTIVUM, TRITICUM DURUM GROWTH CHAMBER, SAND, SOIL SODIUM, CHLORIDE, IRRIGATION FREQUENCY STOMATAL RESISTANCE, ROOT GROWTH, SHOOT GROWTH, POTASSIUM UPTAKE, SODIUM UPTAKE, DROUGHT RESISTANCE

241. FADL, M. S.; EL-DEEN, S. A. S. EFFECT OF N6-BENZYL ADENINE ON PHOTOSYNTHETIC PIGMENTS AND TOTAL SOLUBLE SUGARS OF OLIVE SEEDLING GROWN UNDER SALINE CONDITION. EGYPT J. HORT. 6: 169-183. 1979. OLIVE OLEACEAE: OLEA EUROPAEA POT, SOIL, GREENHOUSE SODIUM, CHLORIDE, BENZYLADENINE SODIUM UPTAKE, CHLOROPHYLL, CAROTENE

242. FARNHAM, D. S.; AYERS, R. S.; HASEK, R. F. WATER QUALITY AFFECTS ORNAMENTAL PLANT PRODUCTION. UNIV. CALIF. DIV. AGRIC. SCI. LEAFLET 2995; 15 PP. 1979. SHRUB

243. FARNWORTH, J.; WILLIAMS, R. J. THE EFFECT OF SALINE DRAINAGE OR WELL WATER ON THE PRODUCTIVITY OF SIX SUMMER SOWN CROPS. PUBL JT. AGRIC. RES. DEV. PROJ. 81: 9 PP. 1977. MILLET; CORN; SORGHUM; SUDAN GRASS; RHODES GRASS GRAMINEAE: ELEUSINE CORACANA, ZEA MAYS, SORGHUM BICOLOR, SORGHUM SUNDANENSE, CHLORIS GAYANA FIELD PLOT, SOIL SALINE WATER PROTEIN, FIBER, CARBOHYDRATE, ASH

244. FARRAHI-ASCHTIANI, S. YIELD AND NITROGEN UPTAKE OF SOYBEANS AND SAFFLOWER PLANTS GROWN ON ALKALINE SOIL AS AFFECTED BY IRON CHELATE, CCC AND NITROGEN. IRAN J. AGRIC. RES. 5: 145-149. 1977. SOYBEAN; SAFFLOWER LEGUMINOSAE: GLYCINE MAX; COMPOSITAE: CARTHAMUS TINCTORIUS POT, GREENHOUSE IRON CHELATE, CHLOROETHYL TRIMETHYLAMMONIUM CHLORIDE, CALCIUM, NITRATE, AMMONIUM, SULFATE, NITROGEN NITROGEN UPTAKE, VEGETATIVE GROWTH

245. FAWZY, S. E.; MOHAMED, N. A.; BARAKAT, M. A. THE EFFECT OF NITROGEN AND SALINITY LEVELS IN NUTRIENT SOLUTION ON GIZA 155 AND MEXICAN WHEAT VARIETIES. EGYPT. J. SOIL SCI. 17: 79-86. 1977. WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, SAND VARIETY, CALCIUM, NITRATE AMMONIUM, CHLORIDE, SODIUM GRAIN YIELD, STRAW YIELD, NITROGEN UPTAKE

246. FEINERMAN, E.; YARON, D.; BIELORAI, H. LINEAR CROP RESPONSE FUNCTIONS TO SOIL SALINITY WITH A THRESHOLD SALINITY LEVEL. WATER RESOURCES RESEARCH 18: 101-106. 1982. IRRIGATION METHOD, SALT TOLERANCE

247. FELKER, P.; CLARK, P. R.; LAAG, A. E.; PRATT, P. F. SALINITY TOLERANCE OF THE TREE LEGUMES: MESQUITE (PROSOPIS GLANDULOSA VAR. TORREYANA, P. VELUTINA AND P. ARTICULATA) ALGARROBO (P. CHILENSIS), KIAWE (P. PALLIDA) AND TAMARUGO (P. TAMARUGO) GROWN IN SAND CULTURE ON NITROGEN-FREE MEDIA. PLANT SOIL 61: 311-317. 1981. MESQUITE; ALGARROBA; KIAWE; TAMARUGO LEGUMINOSAE: PROSOPIS GLANDULOSA VAR TORREYANA, PROSOPIS VELUTINA, PROSOPIS ARTICULATA, PROSOPIS CHILENSIS, PROSOPIS PALLIDA, PROSOPIS TAMARUGO GREENHOUSE, SAND, POT SODIUM, CHLORIDE, NITROGEN, SEA WATER HEIGHT, SALT TOLERANCE

248. FERNANDO, L. H. THE PERFORMANCE OF SALT-RESISTANT PADDY, POKKALI IN CEYLON. TROP. AGRIC. 105: 124-127. 1949. RICE GRAMINEAE: ORYZA SATIVA FIELD PLOT SALINE SOIL GRAIN YIELD, SALT TOLERANCE

249. FERREIRO, E. A.; PEINEMANN, N. INFLUENCIA DE DISTINTOS IONES SOBRE AGROPYRON ELONGATUM. INFLUENCE OF DIFFERENT IONS ON "AGROPYRON ELONGATUM". (SPA; ENG SUM). REVISTA DE INVEST. AGRO., INTA, SERIE 2, BIOL. Y PROD. VEG. 9: 1-8. 1972. WHEATGRASS, TALL GRAMINEAE: AGROPYRON ELONGATUM GREENHOUSE, GERMINATION DISHES CALCIUM, MAGNESIUM

250. FERRON, F.; COUDRET, A.; GAUDILLERE, J. P. EFFECT DE LA SALINITE DUMILIEU DE CULTURE SUR LES VOIES DE CARBORYLATION D' UNE HALOPHYTE ET D'UNE GLYCOPHYTE (PLANTAGO LANCEOLATA L.) EFFECT OF THE GAMINACA MEDIUM SALINITY ON THE CARBOXYLATION METABOLIC PATHWAYS IN A HALOPHYTE (PLANTAGO MARITIMA L. VAR GRAMINEA) AND IN A GLYCOPHYTE (PLANTAGO LANC OLATA L.) (FRE; ENG SUM). C. R. HEBD SEANCES ACAD. SCI., SER. D. SCI. NAT. 285: 323-326. 1977. PLANTAGINACEAE: PLANTAGO MARITIMA, PLANTAGO LANCEOLATE SODIUM, CHLORIDE CARBON DIOXIDE FIXATION

251. FILHO, E. G.; PRISCO, J. T. EFFECTS OF NACL SALINITY IN VIVO AND IN VITRO ON THE PROTEOLYTIC ACTIVITY OF VIGNA SINENSIS (L.) SAVI COTYLEDONS DURING GERMINATION. REVTA. BRASIL. BOT. 1: 83-88. 1978. COWPEA LEGUMINOSAE: VIGNA SINENSIS GERMINATION DISHES, POT SODIUM, CHLORIDE VEGETATIVE GROWTH, ENZYME ACTIVITY, GERMINATION

252. FLOWERS, T. J.; HALL, J. L. SALT TOLERANCE IN THE HALOPHYTE, SUAEDA MARITIMA (L) DUM.; THE INFLUENCE OF THE SALINITY OF THE CULTURE SOLUTION ON THE CONTENT OF VARIOUS ORGANIC COMPOUNDS. ANN. BOT. 42: 1057-1063. 1978. SEA BLITE CHENOPODIACEAE: SUAEDA MARITIMA WATER CULTURE SODIUM, CHLORIDE GLUCOSE, FRUCTOSE, SUCROSE, AMINO ACID,

MALATE, SODIUM UPTAKE, POTASSIUM UPTAKE

253. FLOWERS, T. J.; TROKE, P. F.; YEO, A. R. THE MECHANISM OF SALT TOLERANCE IN HALOPHYTES. ANN. REV. PLANT PHYSIOL. 28:89-121. 1977.

254. FLOWERS, T. J.; YEO, A. R. VARIABILIY IN THE RESISTANCE OF SODIUM CHLORIDE SALINITY WITHIN RICE (ORYZA SATIVA L.) VARIETIES. NEW PHYTOL. 88: 363-373. 1981. RICE GRAMINEAE: ORYZA SATIVA GERMINATION DISH, TEST TUBE SODIUM, POTASSIUM, CHLORIDE SEEDLING GROWTH, EMERGENCE, SEEDLING EMERGENCE

255. FLUCKIGER, W.; BRAUN, S. PERSPECTIVES OF REDUCING THE DELETERIOUS EFFECT OF DE-ICING SALT UPON VEGETATION. PLANT SOIL 63: 527-529. 1981. CRANBERRY BUSH; PINE, AUSTRIAN CAPRIFOLIACEAE: VIBURNUM OPULUS; PINACEAE: PINUS NIGRA POT, SOIL SODIUM, CHLORIDE, SALINE SOIL ION UPTAKE, VEGETATIVE GROWTH, SODIUM UPTAKE, CHLORIDE UPTAKE

256. FOGLIATA, F. A.; ASO, P. J. THE EFFECTS OF SOIL SOLUBLE SALTS ON SUCROSE YIELD OF SUGAR CANE. PROC. 12TH CONGR. INTERN. SOC. SUGAR CANE TECHN. 682-694. 1965 SUGARCANE GRAMINEAE: SACCHARUM OFFICINARUM FIELD, SOIL SALINE SOIL SUCROSE, GLUCOSE

257. FOMISHYNA, R. M.; LOZOVA, H. I.; L'VIVS'KA, N. R. EFFECT OF SODIUM CHLORIDE ON THE LIPID COMPONENT OF SUGAR BEET LEAVES. (RUS; ENG SUM). UKR. BOT. ZH. 37: 43-46. 1980. BEET CHENOPODIACEAE: BETA VULGARIS SODIUM, CHLORIDE LIPID

258. FORNO, D. A.; ASHER, C. J.; EDWARDS, D. G. BORON NUTRITION OF CASSAVA, AND THE BORON X TEMPERATURE INTERACTION. FIELD CROPS RES. 2: 265-279. 1979. YUCA; CASSAVA; TAPIOCA EUPHORBIACEAE: MANIHOT ESCULENTA WATER CULTURE, POT TEMPERATURE, BORON, VARIETY BORON UPTAKE, VEGETATIVE GROWTH, ROOT GROWTH

259. FORTI, M.; BEN-DOV, J.; PASTERNAK, D. RECOMMENDED DROUGHT AND SALT-RESISTANT ORNAMENTAL PLANTS. RES. AND DEVELOP. AUTH., BEN-GURION UNIV. NEGEV. BGUN-RDA 132-77: 7 PP 1977 SHRUB

260. FOSTER, A. C.; MAUN, M. A. CONCENTRATION OF HIGHWAY DEICING AGENTS ALONG ROADSIDES NEAR LONDON. CAN. J. BOT. 56:1081-1085. 1978. CEDAR, EASTERN WHITE CUPRESSACEAE: THUJA OCCIDENTALIS FIELD, SOIL DEICING SALT, SODIUM, CALCIUM, CHLORIDE SODIUM UPTAKE, CHLORIDE UPTAKE, CALCIUM UPTAKE

261. FOSTER, A. C.; MAUN, M. A. EFFECT OF TWO RELATIVE HUMIDITIES ON FOLIAR ABSORPTION OF SODIUM CHLORIDE. CAN. J. PLANT SCI. 60: 763-766. 1980. ARBORVITAE, AMERICAN CUPRESSACEAE: THUJA OCCIDENTALIS POT, SOIL, GREENHOUSE, GROWTH CHAMBER SODIUM, CHLORIDE, DEICING SALT, RELATIVE HUMIDITY SODIUM UPTAKE, CHLORIDE UPTAKE

262. FOSTER, A. C.; MAUN, M. A. EFFECTS OF HIGHWAY DEICING AGENTS ON THUJA OCCIDENTALIS IN A GREENHOUSE. CAN. J. BOT. 56: 2760-2766. 1978. ARBORVITAE, AMERICAN CUPRESSACEAE: THUJA OCCIDENTALIS GREENHOUSE, POT, SOIL DEICING SALT, SODIUM, CHLORIDE, CALCIUM, SALT SPRAY SODIUM UPTAKE, CHLORIDE UPTAKE

263. FOSTER, R. C.; SANDS, R. RESPONSE OF RADIATA PINE TO SALT STRESS. II. LOCALIZATION OF CHLORIDE. AUST. J. PLANT PHYSIOL. 4:863-875. 1977. PINE, MONTEREY PINACEAE: PINUS RADIATA WATER CULTURE CALCIUM, SODIUM, CHLORIDE,

POLYETHYLENE GLYCOL CHLORIDE CONTENT

264. FOWLER, D. B. FALL GROWTH AND COLD ACCLIMATION OF WINTER WHEAT AND RYE ON SALINE SOILS. CAN. J. PLANT SCI. 61: 225-230. 1981. WHEAT; RYE GRAMINEAE: TRITICUM AESTIVUM, SECALE CEREALE SOIL, FIELD PLOT SALINE SOIL MINERAL COMPOSITION, SHOOT WEIGHT, CROWN DRY WEIGHT, CROWN MOISTURE, WATER CONTENT, COLD HARDINESS

265. FOWLER, D. B.; HAMM, J. W. CROP RESPONSE TO SALINE SOIL CONDITIONS IN THE PARKLAND AREA OF SASKATCHEWAN. CAN. J. SOIL SCI. 60: 439-449. 1980. RYE; WHEAT; BARLEY; OATS; MUSTARD; FLAX GRAMINEAE: SECALE CEREALE, TRITICUM AESTIVUM, HORDEUM VULGARE, AVENA SATIVA; CRUCIFERAE: BRASSICA CAMPESTRIS; LINACEAE: LINUM USITATISSIMUM VARIETY, SALINE SOIL VEGETATIVE GROWTH, PROTEIN CONTENT, OIL CONTENT, SEED YIELD

266. FOWLER, H. D VARIATIONS IN SCOPOLETIN IN LEAVES IN RELATION TO CHLORIDE TREATMENT OF TOBACCO. NATURE 188: 1044-1045. 1960. TOBACCO SOLANACEAE: NICOTIANA TABACUM SAND, GREENHOUSE SODIUM, CHLORIDE SCOPOLETIN

267. FRANCIS, B. A.; CURTIS, C. R. EFFECT OF SIMULATED SALINE COOLING TOWER DRIFT ON TREE FOLIAGE. PHYTOPATHOLOGY 69: 349-353. 1979. PINE, JERSEY; TULIP TREE; PRIVET, CALIFORNIA; SPRUCE, NORWAY; ASH, WHITE; DOGWOOD, FLOWERING PINACEAE: PINUS VIRGINIANA, PICEA ABIES; MAGNOLIACEAE: LIRIODENDRON TULIPFERA; OLEACEAE: LIGUSTRUM OVALIFOLIUM, FRAXINUS AMERICANA; CORNACEAE: CORNUS FLORIDA FIELD PLOT, SOIL SALT SPRAY, SALINE WATER VISUAL SYMPTOMS, CHLORIDE UPTAKE, SODIUM UPTAKE, POTASSIUM UPTAKE, CALCIUM UPTAKE

268. FRANCOIS, L. E. ALFALFA MANAGEMENT UNDER SALINE CONDITIONS WITH ZERO LEACHING. AGRON. J. 73: 1042-1046. 1981. ALFALFA LEGUMINOSAE: MEDICAGO SATIVA GREENHOUSE, LYSIMETER, SOIL SODIUM, CHLORIDE, CALCIUM, LEACHING YIELD, SODIUM UPTAKE

269. FRANCOIS, L. E. SALT INJURY TO ORNAMENTAL SHRUBS AND GROUND COVERS. USDA HOME AND GARDEN BULLETIN NO. 231: 10P. 1980. SHRUB; TREE; GROUND COVER

270. FRANCOIS, L. E. SALT TOLERANCE OF EIGHT ORNAMENTAL TREE SPECIES. J. AMER. SOC. HORT. SCI. 107: 66-68. 1982. PINE, ITALIAN STONE; PEAR, EVERGREEN; GUM, SWEET; PLUM, CHERRY; MAGNOLIA, SOUTHERN; ORCHID TREE; MYRTLE, CRAPE; TULIP TREE PINACEAE: PINUS PINEA; ROSACEAE: PYRUS KAWAKAMII; HAMAMELIDACEAE: LIQUIDAMBER STYRACIFLUA; ROSACEAE: PRUNUS CERASIFERA; MAGNOLIACEAE: MAGNOLIA GRANDIFLORA, LIRIODENDRON TULIPIFERA; LEGUMINOSAE: BAUHINIA PURPUREA; LYTHRACEAE: LAGERSTROEMIA INDICA FIELD PLOT, SOIL SODIUM, CHLORIDE, CALCIUM LEAF INJURY, VEGETATIVE GROWTH, SALT TOLERANCE, MINERAL COMPOSITION

271. FRANCOIS, L. E.; CLARK, R. A. ACCUMULATION OF SODIUM AND CHLORIDE IN LEAVES OF SPRINKLER-IRRIGATED GRAPES J. AMER. SOC. HORT. SCI. 104:11-13. 1979. GRAPE VITACEAE: VITIS VINIFERA SOIL, POT SPRINKLER IRRIGATION, SODIUM, CALCIUM, CHLORIDE, SULFATE SODIUM UPTAKE, CHLORIDE UPTAKE

272. FRANCOIS, L. E.; CLARK, R. A. SALINITY EFFECTS ON YIELD AND FRUIT QUALITY OF VALENCIA ORANGE. J. AMER. SOC. HORT. SCI. 105: 199-202. 1980. ORANGE RUTACEAE: CITRUS SINENSIS SAND TANK CALCIUM, CHLORIDE, SODIUM, SULFATE, MAGNESIUM FRUIT YIELD, FRUIT MATURITY, MINERAL COMPOSITION, VEGETATIVE GROWTH, FRUIT QUALITY

273. FRANCOIS, L. E.; CLARK, R. A. SALT TOLERANCE OF ORNAMENTAL SHRUBS, TREES, AND ICEPLANT. J. AMER. SOC. HORT. SCI.

103: 280-283. 1978. ICEPLANT, CROCEUM; ICEPLANT, PURPLE; ICEPLANT, ROSEA; ICEPLANT, WHITE; SAGE, TEXAS; CHERRY, BRUSH; PINE, ALEPPO; PALM, EUROPEAN FAN; HAWTHORN, INDIAN; PINE, JAPANESE BLACK; STRAWBERRY TREE, COMPACT; YEW, SHRUBBY JAPANESE; ABELIA, GLOSSY; PHOTINIA; HOLLY, OREGON GRAPE; COTTONEASTER, PYRENEES ROSACEAE: RAPHIOLEPIS INDICA, PHOTINIA FRASERI, COTONEASTER CONGESTUS; SCROPHULARIACEAE: LEUCOPHYLLUM FRUTESCENS; MYRTACEAE: SYZYGIUM PANICULATUM; PINACEAE: PINUS HALEPENSIS, PINUS THUNBERGIANA; PALMAE: CHAMAEROPS HUMILIS; ERICACEAE: ARBUTUS UNEDO; PODOCARPACEAE: PODOCARPUS MACROPHYLLUS; CAPRIFOLIACEAE: ABELIA GRANDIFLORA; BERBERIDACEAE: MAHONIA AQUIFOLIUM; AIZOACEAE: HYMNOCYCLUS CROCEUS, LAMPRANTHUS PRODUCTUS, DROSANTHEMUM HISPIDUM, DELOSPERMA ALBA FIELD PLOT, SOIL SODIUM, CALCIUM, CHLORIDE LEAF INJURY, CHLORIDE UPTAKE, SODIUM UPTAKE, SALT TOLERANCE

274. FRANKE, G. ZUM EINSATZ VON WACHSTUMSREGULATOREN BEI NUTZPFLANZEN DER TROPEN UND SUBTROPEN. THE USE OF GROWTH REGULATORS IN TROPICAL AND SUBTROPICAL CROPS. (GER; ENG SUM.) TAGUNGSBERICHT. AKADEMIE DER LANDWIRTSCHAFTSWISSENSCHAFTEN DER DEUTSCHEN DEMOKRATISCHEN REPUBLIK. 179: 25-33. 1980. PINEAPPLE BROMELIACEAE: ANANAS COMOSUS; EUPHORBIACEAE: HEVEA BRASILIENSIS OSMOTIC ACTIVITY, ION UPTAKE

275. FRANKE, G.; HASSANEIN, A. EL-H. ZUM EINFLUSS VON GS, CCC, MH, UND NES AUF KEIMUNG UND JUGENDENWICKLUNG VON ZEA MAYS L. BEI UNTERSCHIEDLICHER NACL SUBSTRATVERSALZUNG. ON THE INFLUENCE OF GS, CCC, MH, AND NES GROWTH REGULATORS ON THE GERMINATION AND INITIAL DEVELOPMENT OF ZEA MAYS L. AT DIFFERENT NACL SUBSTRATE SALTING. (GER) BEITR. TROP LANDWIRTSCH VETERINARMED 14: 361-367. 1976. CORN GRAMINEAE: ZEA MAYS POT, SOIL SODIUM, CHLORIDE, GIBBERELLIC ACID, (2-CHLOROETHYL) TRIMETHYLAMMONIUM CHLORIDE, NAPHTHALENEACETIC ACID, MALEIC HYDRAZIDE GERMINATION, SEEDLING GROWTH

276. FROTA, J. N. E.; TUCKER, T. C. SALT AND WATER STRESS INFLUENCES NITROGEN METABOLISM IN RED KIDNEY BEANS. SOIL SCI. SOC. AMER. J. 42: 743-746. 1978. BEAN, RED KIDNEY LEGUMINOSAE: PHASEOLUS VULGARIS GROWTH CHAMBER SODIUM, CHLORIDE, POLYETHYLENE GLYCOL NITRATE UPTAKE, PROTEIN NITROGEN, AMINO ACID, AMMONIUM UPTAKE, SOLUBLE NITROGEN

277. FUHRER, J.; ERISMANN, K. H. TOLERANCE OF AESCULUS-HIPPOCASTANUM TO FOLIAR ACCUMULATION OF CHLORIDE AFFECTED BY AIR POLLUTION. ENVIRON. POLLUT. SER. A ECOL. BIOL. 21: 249-254. 1980. BUCKEYE; CHESTNUT, HORSE HIPPOCASTANACEAE: AESCULUS HIPPOCASTANUM SOIL CARBON MONOXIDE, NITROGEN DIOXIDE CHLORIDE CONTENT

278. FUHRER, J.; ERISMANN, K. H. UPTAKE OF NITROGEN DIOXIDE BY PLANTS GROWN AT DIFFERENT SALINITY LEVELS. EXPERIENTIA 36: 409-410. 1980 BEAN, KIDNEY LEGUMINOSAE: PHASEOLUS VULGARIS WATER CULTURE, POT SODIUM, CHLORIDE, NITRATE NITRITE UPTAKE, LEAF DIFFUSION RESISTANCE

279. GABR, A. I.; EL-ASHKAR, S. A. THE EFFECT OF DIFFERENT COMBINATIONS OF SOIL SALINITY AND CCC ON DRY MATTER ACCUMULATION AND YIELD OF COTTON PLANTS. BIOL. PLANT. 19: 391-393. 1977. COTTON MALVACEAE: GOSSYPIUM BARBADENSE POT, SOIL CHLORIDE, (2-CHLOROETHYL) TRIMETHYLAMMONIUM CHLORIDE LINT YIELD

280. GABR, A. I.; SHARAKY, M. M.; EL-ASHKAR, S. A. THE COMBINED EFFECT OF SOIL SALINITY AND CCC ON DRY MATTER ACCUMULATION AND YIELD OF WHEAT PLANTS. BIOL. PLANT. 19:101-106. 1977. WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, SOIL, GREENHOUSE (2-CHLOROETHYL) TRIMETHYLAMMONIUM CHLORIDE, MAGNESIUM, CALCIUM, SODIUM, SULFATE, CARBONATE, CHLORIDE GRAIN YIELD, GRAIN WEIGHT

281. GABR, A. I.; SHARAKY, M. M.; EL-KADI, M.; EL-ASHKAR, S. A. COMBINED EFFECT OF SOIL SALINITY AND CCC ON OSMOTIC PRESSURE AND CONTENTS OF WATER FRACTIONS IN WHEAT AND COTTON LEAVES. I. CHANGES IN OSMOTIC PRESSURE. Z. ACKER. PFLANZENBAU. 144: 141-174. 1977. WHEAT; COTTON GRAMINEAE: TRITICUM AESTIVUM; MALVACEAE: GOSSYPIUM BARBADENSE

GREENHOUSE, POT, SOIL (2-CHLOROETHYL) TRIMETHYLAMMONIUM CHLORIDE, MAGNESIUM, SODIUM, CALCIUM, SULFATE, CHLORIDE, CARBONATE CELL SAP CONCENTRATION, OSMOTIC PRESSURE

282. GABR, A. I.; SHARAKY, M. M.; EL-KADI, M.; EL-ASHKAR, S. A. THE COMBINED EFFECT OF SOIL SALINITY AND CCC ON OSMOTIC PRESSURE AND CONTENTS OF WATER FRACTIONS IN WHEAT AND COTTON LEAVES. II. CHANGES IN CONTENTS OF WATER FRACTIONS. Z. ACKER PFLANZENBAU. 144: 148-156. 1977. WHEAT; COTTON GRAMINEAE: TRITICUM AESTIVUM; MALVACEAE: GOSSYPIUM BARBADENSE GREENHOUSE, POT, SOIL (2-CHLOROETHYL) TRIMETHYLAMMONIUM CHLORIDE, MAGNESIUM, SODIUM, CALCIUM, SULFATE, CHLORIDE, CARBONATE WATER CONTENT

283. GANDHI, A. P.; PALIVAL, K. V. EFFECT OF DIFFERENT QUALITY IRRIGATION WATERS AND SOIL TEXTURE ON THE YIELD AND UPTAKE OF NUTRIENTS BY WHEAT. PROC. INDIAN NATL. SCI. ACAD. 41: 440-451. 1975. WHEAT GRAMINEAE: TRITICUM AESTIVUM GREENHOUSE, SOIL, POT SALINE WATER, WATER QUALITY, SODIUM ADSORPTION RATIO VEGETATIVE GROWTH, YIELD, MINERAL COMPOSITION

284. GARCIA, M.; MORARD, P. INFLUENCE DU CHLORURE DE SODIUM SUR LA COMPOSITION EN ACIDES ORGANIGUES DUORGO-GRAIN. EFFECT OF SODIUM CHLORIDE ON ORGANIC ACID CONTENT OF SORGHUM GRAIN. (FRE; ENG SUM). AGROCHIMICA 23: 103-111. 1979. SORGHUM GRAMINEAE: SORGHUM DOCHNA WATER CULTURE SODIUM, CHLORIDE VEGETATIVE GROWTH, ORGANIC ACID, MALIC ACID, CITRIC ACID, ACONITIC ACID

285. GARG, B. K.; GARG, O. P. EFFECT OF SODIUM CARBONATE AND BI-CARBONATE ON SEED GERMINATION. GEOBIOS. 8: 31-33. 1981. PEA; BEAN, MUNG; CORN LEGUMINOSAE: PISUM SATIVUM, PHASEOLUS AUREUS; GRAMINEAE: ZEA MAYS GERMINATION DISHES, GROWTH CHAMBER SODIUM GERMINATION, YIELD

286. GARG, B. K.; GARG, O. P. SALINITY AND PLANT NUTRITION EFFECT OF SODIUM CARBONATE AND SODIUM BICARBONATE ON THE GROWTH AND ABSORPTION OF ESSENTIAL MACRO-NUTRIENTS AND SODIUM IN PEA (PISUM-SATIVUM L.). PROC. INDIAN NATL. SCI. ACAD. 46B: 694-698. 1980. PEA LEGUMINOSAE: PISUM SATIVUM POT, SAND SODIUM, CHLORIDE HEIGHT, VEGETATIVE GROWTH, SHOOT GROWTH, ROOT GROWTH, SODIUM UPTAKE, CALCIUM UPTAKE

287. GARG, B. K.; GARG, O. P. SODIUM CARBONATE AND BICARBONATE INDUCED CHANGES IN GROWTH, CHLOROPHYLL, NUCLEIC ACIDS AND PROTEIN CONTENTS IN LEAVES OF PISUM SATIVUM. PHOTOSYNTHETICA 14: 594-598. 1980. PEA LEGUMINOSAE: PISUM SATIVUM SAND, POT SODIUM CHLOROPHYLL, VEGETATIVE GROWTH, NUCLEIC ACID, PROTEIN, AMINO ACID, PROLINE

288. GEORGIEV, M.; SPASENOVSKI, M. EFFECT OF SOIL SALTING WITH NA CL AND NA2SO4 ON DRY MATTER PRODUCTION AND MINERAL PRODUCTION AND MINERAL CONTENT OF PEA PLANTS "M PROANSALEC" (MAC; ENG SUM) GOD. ZB. BIOL. SKOPJE UNIV. BIOL. FAK. 30:171-178. 1977. PEA LEGUMINOSAE: PISUM SATIVUM POT, SOIL SODIUM, CHLORIDE, SULFATE VEGETATIVE GROWTH, MINERAL COMPOSITION

289. GERARD, C. J. ROOT GROWTH ALONG PLEXIGLAS SURFACES BY SUGARCANE UNDER DIFFERENT SOIL SALINITY CONDITIONS AGRON. J. 70:639-643. 1978 SUGARCANE GRAMINEAE: SACCHARUM OFFICINARUM SOIL, ROOT CHAMBERS CALCIUM, MAGNESIUM, SODIUM ROOT GROWTH, VEGETATIVE GROWTH

290. GERGELY, I.; KORCAK, R. F.; FAUST, M. POLYETHYLENE GLYCOL INDUCED WATER STRESS EFFECT ON APPLE SEEDLINGS. II. CALCIUM UPTAKE. J. AM. SOC. HORT. SCI. 105: 858-861. 1980. APPLE ROSACEAE: MALUS PUMILA WATER CULTURE POLYETHYLENE GLYCOL, UREA CALCIUM UPTAKE, WATER USE, VEGETATIVE GROWTH, POTASSIUM UPTAKE

291. GERGELY, I.; KORCAK, R. F.; FAUST, M. POLYETHYLENE GLYCOL INDUCED WATER STRESS EFFECTS ON APPLE SEEDLINGS. I. METHODOLOGY, WATER CONSUMPTION AND DRY MATTER PRODUCTION. J. AMER. SOC. HORT. SCI. 105: 854-857. 1980. APPLE ROSACEAE: MALUS PUMILA SOIL, WATER CULTURE, GREENHOUSE POLYETHYLENE GLYCOL WATER USE, VEGETATIVE GROWTH, TRANSPIRATION RATE, OSMOTIC PRESSURE

292. GHANDI, S. C.; MEHTA, B. V. STUDIES ON BORON DEFICIENCY AND TOXICITY SYMPTOMS IN SOME COMMON CROPS OF GUJARAT. INDIAN J. AGR. SCI. 29: 63-70. 1959. BEAN, HYACINTH; GUAR; TOBACCO; ONION; MILLET, PEARL LEGUMINOSAE: DOLICHOS LABLAB, CYAMAPSIS TETRAGONOLOBUS; SOLANACEAE: NICOTIANA TABACUM; AMARYLLIDACEAE: ALLIUM CEPA; GRAMINEAE: PENNISETUM AMERICANUM SAND, POT BORON BORON TOXICITY, BORON DEFICIENCY

293. GHARSALLI, M.; CHERIF, A. ACTION DU CHLORURE DE SODIUM SUR LA CROISSANCE ET AL TENEUR EN LIPIDES DE PLANTS DE TOURNESOL (HELIANTHUS ANNUUS L.) EFFECT OF SODIUM CHLORIDE ON THE GROWTH AND THE LIPID CONTENT OF SUNFLOWER (HELIANTHUS ANNUUS L.) PLANTS.(FRE; ENG SUM). PHYSIOL. VEG. 17: 215-229. 1979. SUNFLOWER COMPOSITAE: HELIANTHUS ANNUUS WATER CULTURE, GERMINATION DISHES, SAND, POT SODIUM, CHLORIDE GERMINATION, VEGETATIVE GROWTH, ROOT GROWTH, LINOLENIC ACID, STEM ELONGATION, LIPID

294. GIBEAULT, V. A.; HANSON, D.; LANCASTER, D.; JOHNSON, E. FINAL RESEARCH REPORT--COOL SEASON VARIETY STUDY IN HIGH SALT LOCATION. CALIF. TURFGRASS CULT. 27: 11-12. 1977. BLUEGRASS, KENTUCKY; BENTGRASS, COLONIAL; RYEGRASS, PERENNIAL; FESCUE, RED GRAMINEAE: POA PRATENSIS, AGROSTIS TENUIS, LOLIUM PERENNE, FESTUCA RUBRA FIELD VARIETY, SALINE SOIL

295. GILLIAM, C. H.; SMITH, E. M. SOURCES AND SYMPTOMS OF BORON TOXICITY IN CONTAINER GROWN WOODY ORNAMENTALS. J. ARBORIC. 6: 209-212. 1980. YEW; RHODODENDRON TAXACEAE: TAXUS MEDIA; ERICACEAE: RHODODENDRON BORON

296. GILLIAM, C. H.; SMITH, E. M.; STILL, S. M.; SHEPPARD, W. J. TREATING BORON TOXICITY IN RHODODENDRON CATAWBIENSE. HORTSCIENCE 16: 764-765. 1981. RHODODENDRON ERICACEAE: RHODODENDRON CATAWBIENSE GREENHOUSE, POT BORON CHLOROSIS, NECROSIS, LEAF INJURY

297. GILLIAM, C. H.; WATSON, M. E. BORON ACCUMULATION IN TAXUS MEDIA. HORTSCIENCE 16: 340-341. 1981. YEW TAXACEAE: TAXUS MEDIA SOIL, POT, GREENHOUSE BORON VEGETATIVE GROWTH, SHOOT GROWTH, ROOT GROWTH, BORON UPTAKE, MINERAL COMPOSITION

298. GILLIAM, C. H.; WATSON, M. E.; SMITH, E. M. BORON TOXICITY IN WOODY ORNAMENTALS. OHIO AGRIC. RES. DEV. CENT. RES. CIRC. 29-31. 1981. YEW TAXACEAE: TAXUS MEDIA SOIL, POT, GREENHOUSE BORON MINERAL COMPOSITION, BORON UPTAKE

299. GILMOUR, J. T. SALINITY DAMAGE TO RICE SEEDLINGS. BETTER CROPS WIH PLANT FOOD. 44: 13-15. 1981. RICE GRAMINEAE: ORYZA SATIVA POTASSIUM, SODIUM, CHLORIDE, SALINE SOIL YIELD

300. GISLEROD, H. R.; SELMER-OLSEN, A. R. THE RESPONSES OF CHRYSANTHEMUM TO VARIATIONS IN SALT CONCENTRATION WHEN GROWN IN RECIRCULATED NUTRIENT SOLUTION. ACTA. HORTIC. 98: 201-210. 1980. CHRYSANTHEMUM COMPOSITAE: CHRYSANTHEMUM GREENHOUSE, POT SODIUM, CHLORIDE HEIGHT, VEGETATIVE GROWTH

301. GLEBOVA, E. N. THE EFFECT OF CHLORIDE SALTING ON SWELLING OF SOME GRASS SEED. (RUS). KAB.-BALKARSKII GOS. UNIV. SBORN. NAUCH. RABOT. ASPIR. NAL'CHIK 3: 111-123. 1972. MILLET; SORGHUM; SUDAN GRASS; BARLEY; WHEAT GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM, PANICUM MILIACEUM, SORGHUM, SORGHUM SUDANENSE SODIUM, CHLORIDE SEED SWELLING

302. GLENN, E. P.; FONTES, M. R.; KATZEN, S.; COLVIN, L. B. NUTRITIONAL VALUE OF HALOPHYTES GROWN ON HYPERSALINE SEAWATER. BIOSALINE RESEARCH: A LOOK TO THE FUTURE. A. SAN PIETRO (ED.). PLENUM PUBL. CORP. 485-489. 1982. HALOPHYTE; ATRIPLEX CHENOPODIACEAE: ATRIPLEX, SALICORNIA FIELD PLOT SEA WATER SODIUM UPTAKE, ANIMAL FEED QUALITY

303. GLENN, E. P.; FONTES, M. R.; YENSEN, N. P. PRODUCTIVITY OF HALOPHYTES IRRIGATED WITH HYPERSALINE SEAWATER IN THE SONORAN DESERT. BIOSALINE RESEARCH: A LOOK TO THE FUTURE. A. SAN PIETRO (ED.). PLENUM PUBL. CORP. 491-494. 1982. HALOPHYTE; ATRIPLEX CHENOPODIACEAE: ATRIPLEX, SALICORNIA; GRAMINEAE: SPARTINA ALTERNIFLORA; BATIDACEAE: BATIS MARITIMA FIELD PLOT, GREENHOUSE SEA WATER, IRRIGATION FREQUENCY VEGETATIVE GROWTH

304. GOAS, G.; GOAS, M.; LARHER, F. ACCUMULATION OF FREE PROLINE AND GLYCINE BETAINE IN ASTER TRIPOLIUM SUBJECTED TO SALINE SHOCK: A KINETIC STUDY RELATED TO LIGHT PERIOD. PHYSIOL. PLANT. 55: 383-388. 1982. COMPOSITAE: ASTER TRIPOLIUM GROWTH CHAMBER, GERMINATION DISHES SODIUM, CHLORIDE, LIGHT PROLINE, GLYCINE

305. GOELL, A.; E-RAIS, M.; EL-WAHIDI, A. USE OF HIGHLY-SALINE WATER IN CITRUS IRRIGATION. IN: MANAGING SALINE WATER FOR IRRIGATION, PROC. INTER. SALINIY CONF., TEXAS TECH. UNIV., AUGUST 1976: 236-245. 1976. ORANGE RUTACEAE: CITRUS SINENSIS FIELD, SOIL SALINE WATER, CHLORIDE VEGETATIVE GROWTH, FRUIT YIELD, FRUIT WEIGHT

306. GOLDNER, R.; UMIEL, N.; CHEN, Y. THE GROWTH OF CARROT CALLUS CULTURES AT VARIOUS CONCENTRATIONS AND COMPOSITION OF SALINE WATER. Z. PFLANZENPHYSIOL. 85: 307-317. 1977. CARROT UMBELLIFERAE: DAUCUS CAROTA VAR SATIVA GROWTH MEDIUM (KINETIN, NAA) SEA WATER, SODIUM, POTASSIUM, MAGNESIUM, CALCIUM, CHLORIDE, SULFATE, BORON, MANNITOL VEGETATIVE GROWTH, CALLUS GROWTH

307. GONCHARIK, M. N.; LEGENCHENKO, B. I.; IALANOVA, K. S. DOROZHKINA, L. N. PHOTOSYNTHESIS AND WATER REGIME OF THE POTATO PLANT IN RELATION TO EXCESSIVE AMOUNTS OF CL IN THE SOIL. (UKR). IZV. AKAD. NAUK. BELORUS, SSR (SER. BIOL NAUK) : 82-87. 1968. POTATO SOLANACEAE: SOLANUM TUBEROSUM CHLORIDE PHOTOSYNTHESIS

308. GONZALEZ, M. A.; LOPEZ, C. A.; CARVAJAL, J. F.; BRICENO, J. A. EFFECTO DE LA FUENTE DE POTASIO EN EL ACUMULAMIENTO DE CLORUROS Y SULFATOS EN EL CAFETO. THE EFFECT OF POTASSIUM SOURCES ON THE ACCUMULATION OF CHLORIDE AND SULFATES IN COFFEE TREES. (SPA; ENG SUM). AGRON. COSTARRIC 1: 31-37. 1977. COFFEE TREE RUBIACEAE: COFFEA FIELD, SOIL POTASSIUM, SULFATE, CHLORIDE CHLORIDE UPTAKE, SULFATE UPTAKE, POTASSIUM UPTAKE

309. GOODIN, J. R. SALINITY EFFECTS ON RANGE PLANTS. IN: RANGELAND PLANT PHYSIOLOGY, R. E. SOSEBEE, ED., SOC. RANGE MGMT., RANGE SCIENCE SERIES NO. 4,: 141-153. 1977.

310. GOODIN, J. R. SALINITY RELATIONS IN SHRUBS. PROC. SYMPOSIUM AND WORKSHOP WILDLAND SHRUBS, PROVO, UTAH. NOV. 1975: 1-31. 1975. NATIVE VEGETATION

311. GOPAL, G. R.; RAO, G. R. LIPID METABOLISM OF GROUNDNUT (ARACHIS HYPOGAEA L.) SEEDLINGS INFLUENCED BY SALINIY. Z.

PFLANZENPHYSIOL. 106: 1-14. 1982. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA GERMINATION DISHES SODIUM, CHLORIDE, SULFATE GERMINATION, LIPID

312. GOPAL, N. H. PHYSIOLOGICAL STUDIES ON GROUNDNUT PLANTS WITH BORON TOXICITY. 5. EFFECT ON BORON AND IRON DISTRIBUTION. TURRIALBA 26: 288-294. 1976. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA SAND, POT BORON BORON UPTAKE, IRON UPTAKE

313. GOSWAMI, N. N.; GOEL, S. K.; DRAVID, M. S. SALT TOLERANCE OF WHEAT (KALYANSONA AND SONALIKA) AS INFLUENCED BY FERTILIZER APPLICATION. SCI. CULT. 43: 439. 1977. WHEAT GRAMINEAE: TRITICUM AESTIVUM VARIETY, NITROGEN, PHOSPHORUS, POTASSIUM YIELD

314. GOSWAMI, S.; GEHLOT, C. L. A NOTE ON SALT TOLERANCE OF DIFFERENT VARIETIES OF SAFFLOWER (CARTHAMUS TINCTORIUS L.) AT GERMINATION. MADRAS AGRIC. J. 65: 137-138. 1978. SAFFLOWER COMPOSITAE: CARTHAMUS TINCTORIUS GERMINATION DISHES SODIUM, CHLORIDE GERMINATION

315. GRANDIN, M. ACTION DU NACL ET DE LA SATURATION EN EAU DU SOL SUR LE DEVELOPPEMENT ET LES TENEURS EN GLUCIDES, MINERAUX ET NA DE GLAUX MARITIMA L. INFLUENCE OF NACL AND SOIL WATER SATURATION ON DEVELOPMENT AND CARBOHYDRATE, MINERAL ELEMENTS AND NA CONTENT OF GLAUX MARITIMA L. (FRE; ENG SUM) OECOL. PLANT. 2: 23-29. 1981. SEA-MILKWORT PRIMULACEAE: GLAUX MARITIMA SOIL SODIUM, CHLORIDE SUCROSE, SUGAR, STARCH, BUD FORMATION, CARBOHYDRATE, SODIUM UPTAKE

316. GRATTAN, S. R.; MAAS, E. V.; OGATA, G. FOLIAR UPTAKE AND INJURY FROM SALINE AEROSOL. J. ENVIRON. QUAL. 10: 406-409. 1981. PEPPER; SOYBEAN; TOMATO SOLANACEAE: CAPSICUM ANNUUM; LEGUMINOSAE: GLYCINE MAX; SOLANACEAE: LYCOPERSICON ESCULENTUM GREENHOUSE, POT, SOIL SODIUM, CHLORIDE, CALCIUM SODIUM UPTAKE, CHLORIDE UPTAKE

317. GREENWAY, H.; MUNNS, R. MECHANISMS OF SALT TOLERANCE IN NONHALOPHYTES. ANN. REV. PLANT PHYSIOL. 31: 149-190. 1980.

318. GREUB, L. J.; DROLSOM, P. N.; ROHWEDER, D. A. SALT TOLERANCE OF SELECTED GRASS SPECIES AND CULTIVARS. WISC. COLL. AGRIC. LIFE SCI. RES. BULL. NO. 3023; 27 PP. 1979. FESCUE, TALL; FESCUE, CHEWINGS; FESCUE, RED; ALKALI GRASS, NUTTALL; QUACK GRASS; BLUEGRASS, KENTUCKY; BENTGRASS GRAMINEAE: FESTUCA ARUNDINACEAE, FESTUCA RUBRA, PUCCINELLIA AIROIDES, AGROPYRON REPENS, POA PRATENSIS, AGROSTIS PALUSTRIS GREENHOUSE, SOIL PHOSPHORUS, SODIUM, CHLORIDE, DEICING SALT VEGETATIVE GROWTH, CHLORIDE UPTAKE

319. GRIEVE, A. M.; PITMAN, M. G. SALINITY DAMAGE TO NORFOLK ISLAND PINES CAUSED BY SURFACTANTS. III. EVIDENCE FOR STOMATAL PENETRATION AS THE PATHWAY OF SALT ENTRY TO LEAVES. AUST. J. PLANT PHYSIOL. 5: 397-413. 1978. PINE, NORFOLK ISLAND ARAUCARIACEAE: ARAUCARIA HETEROPHYLLA SOIL, POT SODIUM, CHLORIDE, SALT SPRAY, SEA WATER SODIUM UPTAKE, CHLORIDE UPTAKE, POTASSIUM UPTAKE, CALCIUM UPTAKE, MAGNESIUM UPTAKE

320. GRIEVE, A. M.; PITMAN, M. G. THE CONDITION OF NORFOLK ISLAND PINES ON THE ADELAIDE BEACHFRONT SEARCH 7:275-276. 1976. PINE, NORFOLK ISLAND ARAUCARIACEAE: ARAUCARIA HETEROPHYLLA FIELD SALT SPRAY CHLORIDE UPTAKE, SODIUM UPTAKE, VISUAL SYMPTOMS

321. GUERRIR, G. G. INFLUENCE DE DIFFERENTES SALINITES (SELS DE SODIUM ET SELS DE CHLORURE) SUR LA GERMINATION DE RAPHANUS

SATIVUS. INFLUENCE OF DIFFERENT SALINITIES (SALTS OF SODIUM AND CHLORIDE) ON THE GERMINATION OF RAPHANUS SATIVUS. (FRE; ENG SUM). PLANT SOIL 61: 457-469. 1981. RADISH CRUCIFERAE: RAPHANUS SATIVUS GERMINATION DISHES SODIUM, CHLORIDE GERMINATION

322. GUILLEN, M. G.; CARO, M.; FERNANDEZ, F. G.; CERDA, A. FOLIAR COMPOSITION OF CITRUS SEEDLING IRRIGATED WITH SALINE WATERS COMMUN, SOIL SCI. PLANT ANAL. 9:595-606. 1978. ORANGE, SOUR; ORANGE, MANDARIN; ALEMOW; CITRANGE; MANDARIN, KINNOW RUTACEAE: CITRUS AURANTIUM, CITRUS RETICULATA, CITRUS MACROPHYLLA CITRUS TAIWANICA CITRUS NOBILIS LOUREIRO X CITRUS DELICIOSA TENORE, PONCIRUS TRIFFOLIATE X CITRUS SINENSIS GREENHOUSE SODIUM, CHLORIDE MINERAL COMPOSITION

323. GUJARATHI, B. G.; KARADGE, B. A.; CHAVAN, P. D. EFFECT OF SALINITY ON GERMINATION OF ARACHIS HYPOGAEA L. GEOBIOS. 8: 273-275. 1981. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA GERMINATION DISHES SODIUM, CHLORIDE GERMINATION, OSMOTIC POTENTIAL, ROOT GROWTH, SHOOT GROWTH, CATALASE ACTIVITY, PEROXIDASE ACTIVITY

324. GUNEWARDENA, I. SCREENING FOR RESISTANCE TO SALINITY AND IRON TOXICITY IN SRI LANKA. INTERNATIONAL RICE CONFERENCE PAPERS. LOS BANOS, PHILLIPINES. APRIL 21-24. 1975. RICE GRAMINEAE: ORYZA SATIVA SALINE WATER

325. GUPTA, I. C. THE EFFECT OF IRRIGATION WITH HIGH-SODIUM WATERS ON SOIL PROPERTIES AND THE GROWTH OF WHEAT. INTERNATIONAL SYMPOSIUM, SALT-AFFECTED SOILS, INDIA. 382-388. 1980. WHEAT GRAMINEAE: TRITICUM AESTIVUM SOIL, LYSIMETER SODIUM, CALCIUM, CHLORIDE SODIUM CARBONATE

326. GUPTA, I. C. PLANT GROWTH UNDER SALINE WATER IRRIGATION. IN: USE OF SALINE WATER IN AGRICULTURE IN ARID AND SEMI-ARID ZONES OF INDIA, CHAP 6: 129-158. 1979.

327. GUPTA, J. P.; SETH, J. EFFECT OF DIFFERENT RATES AND METHODS OF N AND P APPLICATION ON DRY MATTER ACCUMULATION AND UPTAKE OF PLANT NUTRIENTS BY WHEAT UNDER SALINE CONDITIONS. INDIAN J. AGRON. 23: 275-277. 1978. WHEAT GRAMINEAE: TRITICUM AESTIVUM SOIL PHOSPHORUS, NITROGEN, UREA NITROGEN UPTAKE, PHOSPHORUS UPTAKE, VEGETATIVE GROWTH, GRAIN YIELD

328. GUPTA, U. S. CROP RESPONSE TO SOIL SALINITY AND SODICIY. IN: PHYSIOLOGICAL ASPECTS OF CROP NUTRITION AND RESISTANCE. (U. S. GUPTA ED.):311-360. 1977.

329. GUPTA, U. S. GENETIC AND BREEDING ASPECTS OF SALT TOLERANCE IN PLANTS. CURR. AGRIC. 2: 1-6. 1978. MILLET, PEARL; RICE; WHEAT GRAMINEAE: PENNISETUM AMERICANUM, ORYZA SATIVA, TRITICUM AESTIVUM SODIUM, CHLORIDE GERMINATION, VEGETATIVE GROWTH, CHLORIDE UPTAKE

330. GUPTA, U. S. STUDIES IN THE PHYSIOLOGY OF TOBACCO. IX. EFFECTS OF SODIUM BICARBONATE ON GROWTH, YIELD AND PHYSIOLOGY OF TOBACCO K-49. J. SCI. RES., B. H. U. 13:51-59. 1962. TOBACCO SOLANACEAE: NICOTIANA TABACUM POT, SAND SODIUM, BICARBONATE ROOT GROWTH, VEGETATIVE GROWTH, FLOWERING, SEED YIELD, SEED WEIGHT, OXYGEN UPTAKE, TRANSPIRATION

331. GUPTA, U.; RAMAKRISHNAN, P. S. THE EFFECT OF ADDED SALT ON COMPETITION BETWEEN TWO ECOTYPES OF CYNODON DACTYLON (L.) PERS. PROC. INDIAN ACAD. SCI. SEC. 86B: 275-280. 1977. BERMUDA GRASS GRAMINEAE: CYNODON DACTYLON POT, SOIL

SODIUM, SULFATE, CHLORIDE, POTASSIUM, BICARBONATE VEGETATIVE GROWTH

332. GURURAJA, R. G.; RAJESWARA, R., G. SALINITY INDUCED CHANGES IN KETOACIDS IN THE LEAVES OF PIGEON PEA. INDIAN J. EXP. BIOL. 16:270-271. 1978. PEA, PIGEON LEGUMINOSAE: CAJANUS CAJAN POT, SOIL SODIUM, CHLORIDE KETOACIDS

333. GUSEINOVA, S. G.; AZIZBEKOVA, Z. S. EFFECTS OF NUTRITION ON SOME ASPECTS OF PHOSPHORUS METABOLISM IN PLANTS UNDER DIFFERENT CONDTIONS OF SALINITION (RUS.) IZV. AKAD. NAUK. AZ. SSR BIOL. NAUK. 5: 3-8. 1976. COTTON MALVACEAE: GOSSYPIUM WATER CULTURE, POT CARBONATE, SULFATE, CHLORIDE ORGANIC PHOSPHATES

334. GUTTORMSEN, G. LEACHING OF ROOT MEDIA FOR GREENHOUSES. THE EFFECT OF SALINITY ON GERMINATION AND GROWTH OF SEEDLINGS. (NOR; ENG SUM) RES. NORW. AGRIC. 27: 567-580. 1976. CUCUMBER; PAPRIKA; LETTUCE; TOMATO CUCURBITACEAE: CUCUMIS SATIVUS; SOLANACEAE: CAPSICUM ANNUUM, LYCOPERSICON ESCULENTUM; COMPOSITAE: LACTUCA SATIVA SOIL, PEAT LEACHING GERMINATION, SEEDLING GROWTH

335. HADAS, A. WATER UPTAKE AND GERMINATION OF LEGUMINOUS SEEDS UNDER CHANGING EXTERNAL WATER POTENTIAL IN OSMOTIC SOLUTIONS. J. EXPTL. BOT. 27: 480-489. 1976. PEA, CHICK; BEAN, BROAD LEGUMINOSAE: CICER ARIETINUM, VICIA FABA TEST TUBE, WATER CULTURE POLYETHYLENE GLYCOL GERMINATION, WATER UPTAKE

336. HADJI, M. COMPORTEMENT ECO-PHYSIOLOGIQUE DU LAURIER-ROSE (NERIUM OLEANDER) EN MILIEU SALE. ECO-PHYSIOLOGIC BEHAVIOR OF THE OLEANDER (NERIUM OLEANDER) IN A SALTY SOIL (FRE; ENG SUM). OECOL. PLANT. 13:59-74. 1978. OLEANDER APOCYNACEAE: NERIUM OLEANDER WATER CULTURE SODIUM, CHLORIDE SODIUM UPTAKE, CHLORIDE UPTAKE, TRANSPIRATION

337. HAINES, B. L.; DUNN, E. L. GROWTH AND RESOURCE ALLOCATION RESPONSES OF SPARTINA ALTERNIFLORA LOISEL TO THREE LEVELS OF NH4-N, FE, AND NACL IN SOLUTION CULTURE. BOT. GAZ. 137: 224-230. 1976. CORDGRASS GRAMINEAE: SPARTINA ALTERNIFLORA WATER CULTURE, GREENHOUSE SODIUM, CHLORIDE, IRON, AMMONIA HEIGHT, SHOOT GROWTH, ROOT GROWTH, VEGETATIVE GROWTH

338. HAJJI, M. EFFETS DU SEL SUR LA CROISSANCE ET L'ALIMENTATION MINERALE DU LAURIER-ROSE. EFFECT OF SALT ON THE GROWTH AND MINERAL NUTRITION OF THE ROSE LAUREL. (FRE; ENG SUM.) PHYSIOL. VEG. 17: 517-524. 1979. OLEANDER APOCYNACEAE: NERIUM OLEANDER POT, WATER CULTURE SODIUM, CHLORIDE VEGETATIVE GROWTH, SHOOT GROWTH, ROOT GROWTH, CHLORIDE UPTAKE, SODIUM UPTAKE, CALCIUM UPTAKE, POTASSIUM UPTAKE

339. HAJRASULIHA, S. ACCUMULATION AND TOXICITY OF CHLORIDE IN BEAN PLANTS. PLANT SOIL 55: 133-138. 1980. BEAN, KIDNEY LEGUMINOSAE: PHASEOLUS VULGARIS WATER CULTURE, POT, GREENHOUSE SODIUM, CHLORIDE, AMMONIUM, SULFATE YIELD, ION CONTENT

340. HALLSWORTH, E. G. THE USE OF SALINE GROUNDWATER IN ARID AREAS. EXP. AGRIC. 17: 145-147. 1981. BEEFWOOD; GUM, MURRAY RED CASUARINACEAE: CASUARINA GLAUCA; MYRTACEAE: EUCALYPTUS CAMALDULENSIS FIELD SALINE WATER GROWTH RATE

341. HALVORSON, H. A.; REULE, C. A. ALFALFA FOR HYDROLOGIC CONTROL OF SALINE SEEPS. SOIL SCI. SOC. AM. J. 44: 370-374. 1980. ALFALFA; OATS; WHEAT; WHEATGRASS, TALL; FESCUE, TALL LEGUMINOSAE: MEDICAGO SATIVA; GRAMINEAE: AVENA SATIVA, TRITICUM AESTIVUM, AGROPYRON ELONGATUM, FESTUCA ELATIOR GREENHOUSE, POT, SOIL, FIELD PLOT SODIUM,

CHLORIDE, BICARBONATE, NITRATE, MAGNESIUM YIELD

342. HAMED, A. S.; KHALED, G. M.; HELAL, H. M.; SITOHY, M. Z. EFFECT OF SODIUM CHLORIDE SALINITY ON THE BIOSYNTHESIS OF AMINO ACIDS OF PLANT SEEDLINGS ANN. AGRIC. SCI. 8:177-185. 1977. COTTON; CORN; BARLEY GRAMINEAE: ZEA MAYS, HORDEUM VULGARE; MALVACEAE: GOSSYPIUM BARBADENSE SAND SODIUM, CHLORIDE AMINO ACID, GLUTAMIC ACID, ASPARTIC ACID, GLYCINE, ALANINE, TYROSINE, ARGININE, LEUCINE, PHENYL-ALANINE

343. HAMZA, M. RESPONSES DES VEGETAUX A LA SALINITE. RESPONSES OF PLANTS TO SALINITY. (FRE; ENG SUM). PHYSIOL. VEG. 18: 69-81. 1980. WATER BALANCE, MEMBRANES, ENZYME, HORMONES

344. HANDLEY, J. F.; JENNINGS, D. H. THE EFFECT OF IONS ON GROWTH AND LEAF SUCCULENCE OF ATRIPLEX HORTENSIS VAR. CUPREATA. ANN. BOT. 41:1109-1112. 1977. ORACH CHENOPODIACEAE: ATRIPLEX HORTENSIS CV CUPREATA WATER CULTURE, GREENHOUSE SODIUM, CHLORIDE, POTASSIUM, MAGNESIUM, CALCIUM WATER CONTENT

345. HANKS, R. J.; ASHCROFT, G. L.; RASMUSSEN, V. P.; WILSON, G. D. CORN PRODUCTION AS INFLUENCED BY IRRIGATION AND SALINTIY - UTAH STUDIES. IRRIGATION SCI. 1:47-59. 1978. CORN GRAMINEAE: ZEA MAYS SOIL, FIELD PLOT CALCIUM, SODIUM, CHLORIDE, MAGNESIUM, SULFATE GRAIN YIELD, VEGETATIVE GROWTH

346. HARA, T.; SONODA, Y.; IWAI, I. GROWTH RESPONSE OF CABBAGE PLANTS TO LITHIUM, SODIUM, AND RUBIDIUM UNDER WATER CULTURE CONDITIONS. SOIL SCI. PLANT NUTR. 23:531-539. 1977. CABBAGE CRUCIFERAE: BRASSICA OLERACEA VAR CAPITATA POT, WATER CULTURE LITHIUM, SODIUM, RUBIDIUM, SULFATE, POTASSIUM VEGETATIVE GROWTH, POTASSIUM UPTAKE, LITHIUM UPTAKE, SODIUM UPTAKE, RUBIDIUM UPTAKE, MINERAL COMPOSITION

347. HARARI, D.; UMIEL, N. DIFFERENCES IN PERCENTAGE AND RATE OF GERMINATION OF CARROT SEEDS FROM VARIOUS GENETIC POPULATIONS, GERMINATED AT INCREASING SALINITIES. ISRAEL J. BOT. 24: 55. 1975. CARROT UMBELLIFERAE: DAUCUS CAROTA VAR SATIVA, DAUCUS CAROTA VAR MAXIMUS SEA WATER GERMINATION

348. HASEGAWA, P. M.; BRESSAN; R. A.; HANDA, A. K. GROWTH CHARACTERISTICS OF NACL-SELECTED AND NONSELECTED CELLS OF NICOTIANA TABACUM L. PLANT CELL PHYSIOL. 21: 1347-1355. 1980. TOBACCO SOLANACEAE: NICOTIANA TABACUM FLASK SODIUM, CHLORIDE CELL GROWTH

349. HASSELKUS, E. R.; RIDEOUT, R. B. SALT INJURY TO LANDSCAPE PLANTS. WISCONSIN UNIV., COOP. EXT. PROGRAM A2970 4P. JAN. 1979. SODIUM, CHLORIDE

350. HASSON, E.; POLJAKOFF-MAYBER, A. DOES SALINITY INDUCE EARLY AGEING OF PEA ROOT TISSUE? OECOLOGIA 50: 94-97. 1981. PEA LEGUMINOSAE: PISUM SATIVUM VERMICULITE SODIUM, CHLORIDE XYLEM, PENTOSE PHOSPHATE PATHWAY, MATURATION

351. HASSON, E.; POLJAKOFF-MAYBER, A. GERMINATION OF PEA SEEDS EXPOSED TO SALINE STRESS. ISRAEL J. BOT. 29: 98-104. 1981. PEA LEGUMINOSAE: PISUM SATIVUM SOIL SODIUM, CHLORIDE WATER POTENTIAL, ABSCISIC ACID, PROLINE, SHOOT GROWTH

352. HASSON-PORATH, E.; POLJAKOFF-MAYBER, A. THE EFFECT OF SALINITY ON GLUCOSE ABSORPTION AND INCORPORATION BY PEA ROOTS. PLANTS CELL PHYSIOL. 14: 361-368. 1973. PEA LEGUMINOSAE: PISUM SATIVUM VERMICULITE SODIUM, CHLORIDE

OSMOTIC POTENTIAL

353. HAWKER, J. S. INVERTASES FROM LEAVES OF PHASEOLUS VULGARIS PLANTS GROWN ON NUTRIENT SOLUTIONS CONTAIN NACL. AUST. J. PLANT PHYSIOL. 7: 67-72. 1980. BEAN LEGUMINOSAE: PHASEOLUS VULGARIS POT, GREENHOUSE SODIUM, CHLORIDE INVERTASE ACTIVITY, PROTEIN

354. HAWKER, J. S.; WALKER, R. R. EFFECT OF SODIUM CHLORIDE ON EXPANSION RATES AND INVERTASE ACTIVITY OF LEAVES. AUST. J. PLANT PHYSIOL. 5: 73-80. 1978. BEAN, KIDNEY; CORN LEGUMINOSAE: PHASEOLUS VULGARIS; GRAMINEAE: ZEA MAYS SOIL, POT SODIUM, CHLORIDE INVERTASE, VEGETATIVE GROWTH, SUCROSE, REDUCING SUGAR, CHLORIDE UPTAKE, SODIUM UPTAKE, POTASSIUM UPTAKE

355. HAYDON, G. F. BORON TOXICIY OF STRAWBERRY. COMMUN. SOIL SCI. PLANT ANAL. 12: 1085-1091. 1981. STRAWBERRY ROSACEAE: FRAGARIA GREENHOUSE, SAWDUST BORON BORON TOXICITY, LEAF INJURY, BORON UPTAKE

356. HEERKLOSS, B.; BARTOLOMAEUS, W. EXPERIMETELLE ARBEITEN ZUM KEIMUNGSVERHALTEN VON KULTURPFLANZEN BEI UNTERSCHIEDLICH VERSALZTEN KEIMMEDIEN. EXPERIMENTAL STUDIES ON GERMINATION BEHAVIOR OF CULTIVATED PLANTS AT DIFFERENT SALINITIES OF THE GERMINATION MEDIA. (GER). ARCH. ACKER. PFLANZENBAU. BODENKD. 24: 241-245. 1980. RYEGRASS, ITALIAN; GRASS, ORCHARD; BENTGRASS, CREEPING; CORN; CLOVER, RED; CLOVER, WHITE; CLOVER, PERSIAN; CABBAGE, WILD; RAPE GRAMINEAE: LOLIUM MULTIFLORUM, DACTYLIS GLOMERATA, AGROSTIS STOLONIFERA, ZEA MAYS; LEGUMINOSAE: TRIFOLIUM PRATENSE, TRIFOLIUM REPENS, TRIFOLIUM RESUPINATUM, CRUCIFERAE: BRASSICA OLERACEA, BRASSICA NAPUS FILTER PAPER SEA WATER GERMINATION

357. HEGAZI, A. M.; KAUSCH, W. INTERACTION BETWEEN SALINITY AND (2-CHLOROETHYL)-TRIMETHYL-AMMONIUM CHLORIDE (CCC) ON SALT TOLERANCE IN MAIZE. Z. PFLANZENPHYSIOL. 88:39-45. 1978. CORN GRAMINEAE: ZEA MAYS POT, GROWTH CHAMBER, VERMICULITE SODIUM, CHLORIDE, (2-CHLOROETHYL) TRIMETHYLAMMONIUM CHLORIDE CHLOROPHYLL, RIBONUCLEIC ACID, PROTEIN, ROOT GROWTH, SEEDLING GROWTH

358. HEGDE, B. A.; KARANDE, S. M. EFFECT OF PRESOWING TREATMENT OF SODIUM CHLORIDE ON THE INCIDENCE OF GREEN EAR DISEASE OF PENNISETUM TYPHOIDES (BURM) STAPF AND HUBB VAR. HB3. PLANT SOIL 49:551-559. 1978. MILLET, PEARL GRAMINEAE: PENNISETUM AMERICANUM POT, SOIL DOWNY MILDEW, SCLEROSPORA GRAMINICOLA, SODIUM, CHLORIDE, SEED PRETREATMENT DISEASE INCIDENCE, CHLOROPHYLL, CARBOHYDRATE, POLYPHENOLS, NITROGEN, PROLINE

359. HEIKAL, M. M. D. PHYSIOLOGICAL STUDIES ON SALINITY. VI. CHANGES IN WATER CONTENT AND MINERAL COMPOSITION OF SOME PLANTS OVER A RANGE OF SALINITY STRESS. PLANT SOIL 48: 223-232. 1977. SAFFLOWER; SUNFLOWER; RADISH; WHEAT GRAMINEAE: TRITICUM AESTIVUM; CRUCIFERAE: RAPHANUS SATIVUS; COMPOSITAE: CARTHAMUS TINCTORIUS, HELIANTHUS ANNUUS SAND SODIUM, CALCIUM, CHLORIDE WATER CONTENT, MINERAL COMPOSITION

360. HEIKAL, M. M.; AHMED, A. M.; SHADDAD, M. A. DRY MATTER AND MINERAL COMPOSITION OF SOME OIL PRODUCING PLANTS AS INFLUENCED BY SOME SALINIZATION TREATMENTS. PHYTON 20: 159-173. 1980. BEAN, CASTOR; SUNFLOWER; FLAX EUPHORBIACEAE: RICINUS COMMUNIS; COMPOSITAE: HELIANTHUS ANNUUS; LINACEAE: LINUM USITATISSIMUM WATER CULTURE, GREENHOUSE SODIUM, SULFATE MINERAL COMPOSITION, VEGETATIVE GROWTH

361. HEIKAL, M. M.; AHMED, A. M.; SHADDAD, M. A. SALT TOLERANCE OF SOME OIL PRODUCING PLANTS. AGRICULURA (HEVERLEE) 28: 437-453. 1980. BEAN, CASTOR; SUNFLOWER; FLAX EUPHORBIACEAE: RICINUS COMMUNIS; COMPOSITAE: HELIANTHUS ANNUUS;

LINACEAE: LINUM USITATISSIMUM WATER CULTURE SODIUM, CHLORIDE LEAF AREA, VEGETATIVE GROWTH, MINERAL COMPOSITION, PHOTOSYNTHESIS

362. HELAL, H. M.; MENGEL, K. INTERACTION BETWEEN LIGHT INTENSITY AND NACL SALINITY AND THEIR EFFECTS ON GROWTH, CO2 ASSIMILATION, AND PHOTOSYNTHATE CONVERSION IN YOUNG BROAD BEANS. PLANT PHYSIOL. 67: 999-1002. 1981. BEAN, BROAD LEGUMINOSAE: VICIA FABA WATER CULTURE, GROWTH CHAMBER, POT SODIUM, CHLORIDE, LIGHT VEGETATIVE GROWTH, PROTEIN SYNTHESIS

363. HELAL, H. M.; MENGEL, K. NITROGEN METABOLISM OF YOUNG BARLEY PLANTS AS AFFECTED BY NACL-SALINIY AND POTASSIUM. PLANT SOIL 51: 457-462. 1979. BARLEY GRAMINEAE: HORDEUM VULGARE POT, WATER CULTURE, GREENHOUSE SODIUM, POTASSIUM, CHLORIDE SHOOT GROWTH, ROOT GROWTH, MINERAL COMPOSITION

364. HELLINGS, A. J. BEREGENING VAN PLANT- EN ZAAISLA MET VERZILT OPPERVLAKTEWATER IN NOORD-HOLLAND. SPRINKLING IRRIGATION OF PLANT LETTUCE AND SEED LETTUCE WUTH SALINE SURFACE WATER IN NORTHERN HOLLAND. (DUT). 10: 739-748. 1979. BEDRIJFSONTWIKKELING 10: 739-748. 1979. LETTUCE COMPOSITAE: LACTUCA SATIVA FIELD IRRIGATION METHOD, SALINE WATER CROP QUALITY, VEGETATIVE GROWTH

365. HERNANSAEZ, A.; PARRA, M.; ORTUNO, A. RELACIONES FISIOLOGICAS DE BIOELEMENTOS DURANTE EL CRECIMIENTO Y DESARROLLO DE LA HOJA Y EL BROTE DE LIMONEROS CULTIVADOS EN SUELOS SALINOS. PHYSIOLOGICAL RELATIONSHIPS OF BIOELEMENTS DURING THE GROWTH AND DEVELOPMENT OF LEMON TREE LEAVES AND SHOOTS CULTIVATED IN SALINE SOILS. (SPA). AN EDAFOL AGROBIOL. 38: 1031-1038. 1979. LEMON RUTACEAE: CITRUS LIMON SOIL SALINE SOIL, SALINE WATER MINERAL COMPOSITION

366. HEUER, B.; PLAUT, Z. CARBON DIOXIDE FIXATION AND RIBULOSE-1,5-BISPHOSPHATE CARBOXYLASE ACTIVITY IN INTACT LEAVES OF SUGAR BEET PLANTS EXPOSED TO SALINITY AND WATER STRESS. ANN. BOT. 48: 261-268. 1981. BEET, SUGAR CHENOPODIACEAE: BETA VULGARIS GROWTH CHAMBER, POT SODIUM, CHLORIDE CARBON DIOXIDE FIXATION, RUBP-CARBOXYLASE

367. HEWITT, A. A.; FURR, J. R. INFLUENCE OF SALT SOURCE ON THE UPTAKE OF CHLORIDES BY SELECTED CITRUS SEEDLINGS. AM. SOC. HORTIC. SCI. PROC. 86: 201-204. 1965. ORANGE, SOUR; ORANGE, MANDARIN RUTACEAE: CITRUS AURANTIUM, CITRUS RETICULATA, CITRUS DEPRESSA POT SODIUM, CALCIUM, CHLORIDE, SULFATE CHLORIDE UPTAKE, TOXICITY SYMPTOM

368. HEYSER, J. W.; NABORS, M. W. OSMOTIC ADJUSTMENT OF CULTURED TOBACCO CELLS (NICOTIANA TABACUM VAR. SAMSUM) GROWN ON SODIUM CHLORIDE PLANT PHYSIOL. 67: 720-727. 1981. TOBACCO SOLANACEAE: NICOTIANA TABACUM SOIL SODIUM, CHLORIDE OSMOTIC ADJUSTMENT, VEGETATIVE GROWTH

369. HINDAWI, I. J.; RANIERE, L. C.; REA, J. A. ECOLOGICAL EFFECTS OF AEROSOL DRIFT FROM A SALT WATER COOLING SYSTEM. USEPA ECOL. RES. SER. EPA-600/3-76-078. 102P. 1976. MANGROVE; BEAN; CORN LEGUMINOSAE: PHASEOLUS VULGARIS; GRAMINEAE: ZEA MAYS; AVICENNIACEAE: AVICENNIA MARINA SOIL, FIELD, GREENHOUSE SALT SPRAY, COOLING TOWER, SEA WATER LEAF INJURY, CHLORIDE UPTAKE, SODIUM UPTAKE, CELL PLASMOLYSIS, VEGETATIVE GROWTH

370. HIRREL, M. C.; GERDEMANN, J. W. IMPROVED GROWTH OF ONION AND BELL PEPPER IN SALINE SOILS BY TWO VESICULAR-ARBUSCULAR MYCORRHIZAL FUNGI. SOIL SCI. SOC. AM. J. 44: 654-655. 1980. ONION; PEPPER, BELL AMARYLLIDACEAE: ALLIUM CEPA; SOLANACEAE: CAPSICUM ANNUUM POT, SOIL, GREENHOUSE SODIUM, CHLORIDE, MYCORRHIZAL FUNGI VEGETATIVE GROWTH, SHOOT GROWTH, ROOT GROWTH, MYCORRHIZAL INFECTION

371. HODSON, M. J.; SMITH, M. M.; WAINWRIGHT, S. J.; OPIK, H. CATION COTOLERANCE IN A SALT-TOLERANT CLONE OF AGROSTIS STOLONIFERA L. NEW PHYTOL. 90: 253-261. 1982. BENTGRASS, CREEPING GRAMINEAE: AGROSTIS STOLONIFERA WATER CULTURE, GREENHOUSE SODIUM, CHLORIDE, CALCIUM ROOT LENGTH, VEGETATIVE GROWTH

372. HOFFMAN, G. J.; JOBES, J. A. GROWTH AND WATER RELATIONS OF CEREAL CROPS AS INFLUENCED BY SALINITY AND RELATIVE HUMIDITY. AGRON J. 70: 765-769. 1978. BARLEY; WHEAT; CORN GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM, ZEA MAYS GRAVEL, CLIMATE CHAMBERS, POT SODIUM, CALCIUM, CHLORIDE, RELATIVE HUMIDITY TRANSPIRATION, VEGETATIVE GROWTH, LEAF WATER POTENTIAL, GRAIN YIELD, LEAF PRESSURE POTENTIAL

373. HOFFMAN, G. J.; JOBES, J. A.; HANSCOM, Z.; MAAS, E. V. TIMING OF ENVIRONMENTAL STRESS EFFECTS GROWTH, WATER RELATIONS, AND SALT TOLERANCE OF PINTO BEAN. TRANS. AMER. SOC. AGRIC. ENGIN. 21: 713-723. 1978. BEAN, PINTO LEGUMINOSAE: PHASEOLUS VULGARIS GRAVEL CULTURE, CLIMATE CHAMBER SODIUM, CALCIUM, CHLORIDE VEGETATIVE GROWTH, TRANSPIRATION, LEAF WATER POTENTIAL, STOMATAL CONDUCTANCE

374. HOFFMAN, G. J.; MAAS, E. V.; MEYER, J. L.; PRICHARD, T. L.; LANCASTER, D. R. SALT TOLERANCE OF CORN IN THE DELTA. CALIF. AGRIC. 33: 11-12. 1979.

375. HOFFMAN, G. J.; RAWLINS, S. L. GROWTH AND WATER POTENTIAL OF ROOT CROPS AS INFLUENCED BY SALINITY AND RELATIVE HUMIDITY. AGRON. J. 63: 877-880. 1971. BEET; ONION; RADISH CHENOPODIACEAE: BETA VULGARIS; AMARYLLIDACEAE: ALLIUM CEPA; CRUCIFERAE: RAPHANUS SATIVUS GROWTH CHAMBERS, GRAVEL HUMIDITY, SODIUM, CHLORIDE LEAF WATER POTENTIAL, ROOT GROWTH, VEGETATIVE GROWTH, TURGIDITY

376. HOFFMAN, G. J.; RAWLINS, S. L.; OSTER, J. D.; JOBES, J. A.; MERRILL, S. D. LEACHING REQUIREMENT FOR SALINITY CONTROL. I. WHEAT, SORGHUM, AND LETTUCE. AGRIC. WATER MANAGEMENT 2: 177-192. 1979. WHEAT; SORGHUM; LETTUCE GRAMINEAE: TRITICUM AESTIVUM, SORGHUM BICOLOR; COMPOSITAE: LACTUCA SATIVA FIELD PLOT, SOIL LEACHING YIELD, LEACHING REQUIREMENT

377. HOFFMAN, G. J.; SHALHEVET, J.; MEIRI, A. LEAF AGE AND SALINITY INFLUENCE WATER RELATIONS OF PEPPER LEAVES. PHYSIOL. PLANT 48: 463-469. 1980. PEPPER, BELL SOLANACEAE: CAPSICUM ANNUUM WATER CULTURE, GROWTH CHAMBER SODIUM, CHLORIDE, CALCIUM LEAF AREA, STEM GROWTH, ROOT GROWTH, FRUIT GROWTH, VEGETATIVE GROWTH, WATER POTENTIAL, OSMOTIC PRESSURE, PRESSURE POTENTIAL, XYLEM PRESSURE POTENTIAL, TRANSPIRATION

378. HOFSTRA, G.; HALL, R.; LUMIS, G. P. STUDIES OF SALT-INDUCED DAMAGE TO ROADSIDE PLANTS IN ONTARIO. J. ARBORIC. 5: 25-31. 1979. PINE, EASTERN WHITE; CEDAR, WHITE PINACEAE: PINUS STROBUS, CHAMAECYPARIS THYOIDES FIELD, SOIL SODIUM, CHLORIDE, DEICING SALT CHLORIDE UPTAKE, SODIUM UPTAKE, LEAF INJURY, GROWTH RING THICKNESS

379. HOLM, H. M. SASKATCHEWAN SOIL SALINITY PROGRAM: SOIL SALINITY CROP TOLERANCE TESTING. PROC. SUBCOM. SALT AFFECTED SOILS, 11TH INTER. SOIL SCI., SOC. CONGR., EDMONTON, CANADA. JUNE 1978.5.11-5.30 BARLEY; WHEAT; OATS; SUNFLOWER; MUSTARD; RAPE; FLAX GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM, AVENA SATIVA; COMPOSITAE: HELIANTHUS ANNUUS; CRUCIFERAE: BRASSICA NAPUS, BRASSICA; LINACEAE: LINUM USITATISSIMUM FIELD, SOIL SALINE SOIL, SALINE SEEPS GRAIN YIELD

380. HONDA, N.; SAMESHIMA, I.; KOMUTA, K. STUDIES ON THE EFFECTS OF CHLORINE ON TOBACCO PLANT. I. EFFECTS OF VARIOUS AMOUNTS OF CHLORIDE ON THE GROWTH OF TOBACCO. (JAP; ENG. SUM). OKAYANA TAB. SHIK. HOKOBU 11:1-5. 1963. TOBACCO

SOLANACEAE: NICOTIANA TABACUM SOIL SODIUM, CHLORIDE CARBOHYDRATE, VEGETATIVE YIELD

381. HOYERT, J. H. GERMINATION (EMERGENCE) OF TOBACCO SEED AND ITS RELATIONSHIP TO TOTAL SOLUBLE SALTS AS MEASURED BY ELECTRICAL CONDUCTIVITY OF THE SOIL. TOBACCO INT. VOL. 166: 32-33. MARCH 1, 1968. TOBACCO SOLANACEAE: NICOTIANA TABACUM GREENHOUSE, SOIL FERTILIZER GERMINATION, EMERGENCE

382. HUBER, W.; SCHMIDT, F. ZUR WIRKUNG VERSCHIEDENER SALZE UND VON POLYATHYLENGLYKOL AUF DEN PROLIN-UND AMINOSAURESTOFFWECHSEL VON PENNISETUM TYPHOIDES. EFFECTS OF VARIOUS SALTS AND POLYETHYLENE GLYCOL ON PROLINE AND AMINO-ACID METABOLISM OF PENNISETUM TYPHOIDES. (GER; ENG SUM). Z. PFLANZENPHYSIOL. 89:251-258. 1978. MILLET, PEARL GRAMINEAE: PENNISETUM TYPHOIDES, PENNISETUM AMERICANUM POLYETHYLENE GLYCOL, POTASSIUM, CALCIUM, SODIUM, MAGNESIUM, CHLORIDE PROLINE, ALANINE AMINOTRANSFERASE, GLUTAMATE DEHYDROGENASE, PROLINE DEHYDROGENASE, ASPARTATE AMINOTRANSFERASE

383. HUDLER, G. SALT INJURY TO ROADSIDE PLANTS. GROUNDS MAINT. 16: 80-84. 1981. DEICING SALT SALT TOLERANCE

384. HUGHES, H. E.; HANAN, J. J. EFFECT OF SALINITY IN WATER SUPPLIES ON GREENHOUSE ROSE PRODUCTION J. AMER. SOC. HORT. SCI. 103:694-699 1978. ROSE ROSACEAE: ROSA HYBRIDA. POT, GREENHOUSE, GRAVEL, SOIL SODIUM, SULFATE, BICARBONATE, CALCIUM, MAGNESIUM VEGETATIVE GROWTH, FLOWER YIELD

385. HUSSAIN, Z. A SIMPLE METHOD OF USING HIGHLY SALINE WATER FOR IRRIGATION. J. AGR. SCI. 96: 17-21. 1981. SALINE WATER, SALINE SOIL, LEACHING, IRRIGATION METHOD

386. HUSSAIN, Z. USING HIGHLY SALINE IRRIGATION WATER FOR A FODDER BARLEY CROP. J. AGR. SCI. CAMB. 96: 515-520. 1981. BARLEY GRAMINEAE: HORDEUM VULGARE SOIL, PLOT SODIUM, CHLORIDE, SALINE WATER YIELD, ROOT LENGTH, HEIGHT, PROTEIN

387. HUTCHINSON, F. E. ENVIRONMENTAL POLLUTION FROM HIGHWAY DEICING COMPOUNDS. J. SOIL WATER CONSER. 25: 144-146. 1970. WHEATGRASS, SLENDER; FESCUE, KENTUCKY; MAPLE GRAMINEAE: AGROPYRON TRACHYCAULUM, FESTUCA; ACERACEAE: ACER; PINACEAE: PINUS RESINOSA, PINUS STROBUS DEICING SALT, SODIUM, CHLORIDE

388. IBRAGIMOR, M.; ABDUKADYROV, K. EFFECT OF CALCIUM ON RESISTANCE OF COTTON TO SOIL SALINITY. KHLOPKOVODSTRO 2: 38-39. 1977. COTTON MALVACEAE: GOSSYPIUM FIELD SALINE SOIL, CALCIUM, CARBONATE, SEED PRETREATMENT FIBER YIELD, BOLL YIELD

389. IDRIS, M.; FAROOQ-E-AZAM; SANDHU, G. R. SALT TOLERANCE STUDIES OF HIJAZI LUCERNE (MEDICAGO SATIVA) AND THE EFFECT OF ITS GROWTH ON THE PHYSICO-CHEMICAL PROPERTIES OF SALT AFFECTED SOILS. NUCLEUS 14: 33-40. 1977. ALFALFA LEGUMINOSAE: MEDICAGO SATIVA GREENHOUSE, POT, SOIL SALINE SOIL GERMINATION, NODULATION, VEGETATIVE YIELD, NITROGEN FIXATION

390. IKEHASHI, H. PROSPECT OF RICE IN SALINE AREAS. NEWSL. INT. RICE COMM. 28: 20-22. 1979. RICE GRAMINEAE: ORYZA SATIVA

391. IL'IN, V. B.; ANIKINA, A. P. BORON SALINIZATION OF SOILS. SOVIET SOIL SCI. 6: 68-75. 1974. APPLE; CHERRY; PEAR; GRAPE; STRAWBERRY; WHEAT; RYE; OATS; BARLEY; MILLET; RICE; CORN; SUNFLOWER; POTATO; TOMATO; TOBACCO; CLOVER; BEET; PEA; ALFALFA GRAMINEAE: TRITICUM AESTIVUM, SECALE CEREALE, AVENA SATIVA, HORDEUM VULGARE, ORYZA SATIVA, ZEA MAYS, SETARIA ITALICA; LEGUMINOSAE: TRIFOLIUM, MEDICAGO SATIVA, PISUM SATIVUM; SOLANACEAE: SOLANUM TUBEROSUM, LYCOPERSICON ESCULENTUM, NICOTIANA TABACUM; CHENOPODIACEAE: BETA VULGARIS; ROSACEAE: MALUS SYLVESTRIS, PYRUS COMMUNIS, FRAGARIA, PRUNUS; VITACEAE: VITIS; COMPOSITAE: HELIANTHUS ANNUUS BORON TOLERANCE

392. IM, H. B.; HOANG, C. S. A BASIC STUDY ON SUGARBEET CULTURE IN RECLAIMED SALTY AREA. 1. ON THE SUGAR ACCUMULATION OF SUGARBEET IN RECLAIMED SALTY AREA (KOR; ENG SUM). KOREAN J. BOT. 20: 23-27. 1977. BEET, SUGAR CHENOPODIACEAE: BETA VULGARIS SOIL, FIELD PLOT SALINE SOIL SUGAR

393. IM, H. B.; KIM, D. A.; SEO, S.; SONG, H. B.; LEE, H. W.; LIM, U. K.; HOANG, J. S. PASTURE ESTABLISHMENT ON RECLAIMED SOIL AREAS. 1. COMPARISON OF SALT TOLERANCE OF GRASS AND FORAGE LEGUMES. KOREAN J. ANIM. SCI. 23: 30-40. 1981. ALFALFA; CLOVER, LADINO; FESCUE, TALL; ORCHARD GRASS; WHEATGRASS, CRESTED; ALKALI GRASS LEGUMINOSAE: MEDICAGO SATIVA, TRIFOLIUM REPENS; GRAMINEAE: FESTUCA ELATIOR, DACTYLIS GLOMERATA, AGROPYRON DESERTORUM, PUCCINELLIA FIELD SODIUM, CHLORIDE SEEDLING GROWTH, YIELD, VEGETATIVE GROWTH

394. INDIRA, P. SALINITY EFFECTS ON PLANT GROWTH AND TUBERIZATION IN CASSAVA. J. ROOT CROPS 4: 19-23. 1978. CASSAVA EUPHORBIACEAE: MANIHOT ESCULENTA POT, SOIL, GREENHOUSE SODIUM, CHLORIDE GROWTH RATE, VEGETATIVE GROWTH

395. INDIRA, P.; RAMANUJAM, T. NOTE ON POTASSIUM: SODIUM RATIO IN CASSAVA GROWN UNDER SALT AND MOISTURE STRESS. INDIAN J. AGR. SCI. 52: 198-199. 1982. CASSAVA EUPHORBIACEAE: MANIHOT ESCULENTA POT, SOIL, GREENHOUSE SODIUM, CHLORIDE, WATER STRESS SODIUM UPTAKE, POTASSIUM UPTAKE

396. ISHIDA, A.; MASUI, M.; NUKAYA, A.; OGURA, T. SALT TOLERANCE OF CARNATIONS IN SAND AND SOIL CULTURES. (JAP; ENG SUM). J. JAPANESE SOC. HORT. SCI. 48: 322-326. 1979. CARNATION CARYOPHYLLACEAE: DIANTHUS SOIL, SAND, POT SEA WATER, CHLORIDE MINERAL COMPOSITION, CHLORIDE UPTAKE, FLOWERING, SHOOT GROWTH, ROOT GROWTH

397. ISHITOYA K.; TAKEYAMA, K.; KAKIE, T. STUDIES ON THE EFFECTS OF MICRONUTRIENTS ON TOBACCO PLANTS. I. EFFECTS OF BORON ON THE GROWTH OF TOBACCO PLANTS. (JAP; ENG SUM) OKAYAMA TOB. EXPT. STA. B. 15:50-61. 1957. TOBACCO SOLANACEAE: NICOTIANA TABACUM POT, SAND, WATER CULTURE BORON TOXICITY SYMPTOM

398. ITAI, C. RESPONSE OF EUCALYPTUS OCCIDENTALIS TO WATER STRESS INDUCED BY NA CL PHYSIOL. PLANT 43:377-379. 1978. YATE, FLAT-TOPPED MYRTACEAE: EUCALYPTUS OCCIDENTALIS WATER CULTURE SODIUM, CHLORIDE CYTOKININ ACTIVITY, CARBON DIOXIDE FIXATION, LEUCINE

399. IVANOV, V. F. METHODS OF DETERMINING COMPARATIVE SALT RESISTANCE OF FRUIT VARIETIES. (RUS ; ENG SUM) BULL. GOS. NIKITSK BOT. SAD. 3:35-39. 1976. APPLE SOIL, FIELD SALINE SOIL SALT TOLERANCE

400. IVANOV, V. F.; IVANOVA, A. S. CORRELATION BETWEEN GROWTH AND MINERAL NUTRITION OF PEACH UNDER CONDITIONS OF SOIL SALINIZATION. SOVIET PLANT PHYSIOL. 24: 492-498. 1977. PEACH ROSACEAE: PRUNUS PERSICA GREENHOUSE, SOIL, FIELD SODIUM, SULFATE, CHLORIDE, CARBONATE, BICARBONATE, MAGNESIUM MINERAL COMPOSITION

401. IVANOV, V. F.; SHOLOKHOV, A. M. CHARACTERISTICS OF PEACH FLOWER BUD DEVELOPMENT IN CONDITIONS OF SOIL SALINIZATION, (RUS; ENG SUM). BULL. GOS. NIKITSK BOT. SAD. 1: 33-37. 1976. PEACH ROSACEAE: PRUNUS PERSICA SOIL SODIUM, CHLORIDE, MAGNESIUM, SULFATE FLOWERING

402. IVANOVA, O. V. ACCUMULATION OF SODIUM AND CHLORINE IONS IN WHEAT VARIETIES WITH DIFFERENT SALT RESISTANCE. (RUS) BIULL. VSES. INST. RASTENIEVOD 66: 40-45. 1976. WHEAT GRAMINEAE: TRITICUM AESTIVUM SAND, POT SODIUM, CHLORIDE, VARIETY SODIUM UPTAKE, CHLORIDE UPTAKE

403. IYENGAR, E. R. R. RESEARCH IN SEAWATER IRRICULTURE IN INDIA. BIOSALINE RESEARCH: A LOOK TO THE FUTURE. A. SAN PIETRO (ED.). PLENUM PUBL. CORP. 165-175. 1982. SAND SEA WATER GERMINATION, SALT TOLERANCE, MINERAL COMPOSITION

404. IYENGAR, E. R. R.; KURIAN, T. EVALUATION OF SEA WATER TOLERANCE OF CROP PLANTS. 2. RESPONSE OF BAJRA AND WHEAT TO SEA WATER SALINITY. INDIAN J. AGRIC. RES. 5: 249-255. 1971. MILLET, PEARL; WHEAT GRAMINEAE: PENNISETUM TYPHOIDES, TRITICUM AESTIVUM POT, SAND SEA WATER GRAIN YIELD, MINERAL COMPOSITION, VEGETATIVE GROWTH

405. IYENGAR, E. R. R.; PANDYA, J. B.; PATOLIA, J. S. EVALUATION OF COTTON VARIETIES TO SALINITY STRESS INDIAN J. PLANT PHYSIOL. 21:113-117. 1978. COTTON MALVACEAE: GOSSYPIUM SAND SEA WATER COTTON YIELD, MINERAL COMPOSITION, LINT QUALITY

406. IYENGAR, E. R. R.; PATOLIA, J. S.; KURIAN T. VARIETAL DIFFERENCES IN BARLEY TO SALINITY. Z. PFLANZENPHYSIOL. 84:355-361. 1977. BARLEY GRAMINEAE: HORDEUM VULGARE POT, SAND VARIETY, SEA WATER VEGETATIVE GROWTH, MINERAL COMPOSITION, SEED YIELD, SEED WEIGHT

407. JAIN, R. K.; GARG, V. K.; KHANDUJA, S. D. MACRONUTRIENT ELEMENT COMPOSITION OF LEAVES FROM SOME ORNAMENTAL SHRUBS GROWN ON NORMAL AND ALKALI SOILS. J. HORTIC. SCI. 56: 169-172. 1981. YELLOW-BELLS; OLEANDER; HIBISCUS; COPPER-LEAF; BUTTERFLY-BUSH; MORNING-GLORY RUBIACEAE: IXORA BANDHUCA; NYCTAGINACEAE: BOUGAINVILLEA; EUPHORBIACEAE: ACALYPHA MACROPHYLLA; LYTHRACEAE: LAWSONIA ALBA; SOLANACEAE: CESTRUM ALBUM; LOGANIACEAE: BUDDELIA MADAGASCARIENSIS; APOCYNACEAE: TABERNAEMONTANA CORONARIA, NERIUM INDICUM; CONVOLVULACEAE: IPOMOEA PALMATA; BIGNONIACEAE: TECOMA STANS; MALVACEAE: HIBISCUS ROSA-SINENSIS FIELD PLOT ALKALI SOIL MINERAL COMPOSITION

408. JANA, M. K.; JANA, S.; ACHARYA, S. N. SALT STRESS TOLERANCE IN HETEROGENEOUS POPULATIONS OF BARLEY. EUPHYTICA 29: 409-417. 1980. BARLEY GRAMINEAE: HORDEUM VULGARE POT, SOIL, GROWTH CHAMBER SODIUM, CHLORIDE GERMINATION, GRAIN YIELD, GRAIN WEIGHT

409. JANA, M. K.; SLINKARD, A. E. SCREENING FOR SALT TOLERANCE IN LENTILS. LENS 6: 25-27. 1979. LENTIL LEGUMINOSAE: LENS CULINARIS

410. JANARDHAN, K. V.; PANCHAKSHARAIAH, S.; BALAKRISHNA RAO, K.; PATIL, B. N. EFFECT OF VARYING K:NA RATIOS IN SALINE IRRIGATION WATER ON GRAIN YIELD AND IONIC COMPOSITION OF WHEAT. CURRENT SCI. 48: 739-741. 1979. WHEAT GRAMINEAE: TRITICUM AESTIVUM SOIL, POT SODIUM, CHLORIDE, POTASSIUM GRAIN YIELD, STRAW YIELD, SODIUM UPTAKE, POTASSIUM UPTAKE

411. JANARDHAN, K. V.; PARASHIVA MURTHY, A. S.; GIRI RAJ, K.; PANCHAKSHARAIAH, S. SALT TOLERANCE OF RICE SEEDLINGS IN

RELATION TO QUALITY OF IRRIGATION WATER. MYSORE J. AGRIC. SCI. 10: 599-604. 1976. RICE GRAMINEAE: ORYZA SATIVA POT, SOIL SODIUM, CHLORIDE, SULFATE, BICARBONATE VEGETATIVE GROWTH, SODIUM UPTAKE, POTASSIUM UPTAKE, CALCIUM UPTAKE

412. JANARDHAN, K. V.; VISWANATH, D. P.; PARASHIVAMURTHY, A. S.; YADAV, J. S. P. INFLUENCE OF SALINE WATER IRRIGATION ON KAPAS (SEED COTTON) YIELD AND ION ACCUMULATION IN COTTON CULTIVARS AT DIFFERENT GROWTH STAGES. CURR. AGRIC. 3: 21-29. 1979. COTTON MALVACEAE: GOSSYPIUM SOIL, FIELD PLOT VARIETY, SODIUM, CHLORIDE, SULFATE, BICARBONATE, CALCIUM GERMINATION, YIELD, MINERAL COMPOSITION

413. JEFFERIES, R. L. OSMOTIC ADJUSTMENT AND THE RESPONSE OF HALOPHYTIC PLANTS TO SALINIY. BIOSCIENCE 31: 42-46. 1981. GLASSWORT; CORDGRASS; SPIKE GRASS; HALOPHYTE CHENOPODIACEAE: SALICORNIA; GRAMINEAE: SPARTINA

414. JEFFERIES, R. L.; RUDMIK, T.; DILLON, E. M. RESPONSES OF HALOPHYTES TO HIGH SALINITIES AND LOW WATER POTENTIALS. PLANT PHYSIOL. 64: 989-994. 1979. PLANTAIN, ARROWGRASS; LAVENDER, SEA PLANTAGINACEAE: PLANTAGO MARITIMA; JUNCAGINACEAE: TRIGLOCHIN MARITIMA; PLUMBAGINACEAE: LIMONIUM VULGARE; CHENOPODIACEAE: HALIMIONE PORTULACOIDES POT, SAND, GREENHOUSE SEA WATER, POLYETHYLENE GLYCOL MINERAL COMPOSITION, VEGETATIVE GROWTH, WATER POTENTIAL, OSMOTIC PRESSURE, NITROGEN, AMINO NITROGEN, REDUCING SUGAR, SORBITOL, PROLINE

415. JENNINGS, D. H. HALOPHYTES, SUCCULENCE AND SODIUM IN PLANTS - A UNIFIED THEORY. NEW PHYTOL. 67:899-911. 1968. HALOPHYTE

416. JENNINGS, D. H. THE EFFECTS OF SODIUM CHLORIDE ON HIGHER PLANTS BIOL. REV. CAMB. PHILOS. SOC. 51:453-486. 1976.

417. JENSEN, C. R. EFFECT OF SOIL WATER OSMOTIC POTENTIAL ON GROWTH AND WATER RELATIONSHIPS IN BARLEY DURING SOIL WATER DEPLETION. IRRIG. SCI. 3: 111-121. 1982. BARLEY GRAMINEAE: HORDEUM VULGARE SOIL, POT OSMOTIC PRESSURE, POTASSIUM, SALINE WATER VEGETATIVE GROWTH, TRANSPIRATION

418. JENSEN, C. R. INFLUENCE OF WATER AND SALT STRESS ON WATER RELATIONSHIPS AND CARBON DIOXIDE EXCHANGE OF TOP AND ROOTS IN BEANS. NEW PHYTOL. 87: 285-295. 1981. BEAN, BUSH LEGUMINOSAE: PHASEOLUS VULGARIS POT POLYETHYLENE GLYCOL WILTING, WATER POTENTIAL, OSMOTIC POTENTIAL, WATER CONTENT, NITRATE UPTAKE

419. JENSEN, P.; PETTERSSON, S. VARIETAL VARIATION IN UPTAKE AND UTILIZATION OF POTASSIUM (RUBIDIUM) IN HIGH-SALT SEEDLINGS OF BARLEY. PHYSIOL. PLANT 43: 411-415. 1980. BARLEY GRAMINEAE: HORDEUM VULGARE POT, WATER CULTURE, GROWTH CHAMBER VARIETY, POTASSIUM, RUBIDIUM VEGETATIVE GROWTH, POTASSIUM UPTAKE, TRANSPIRATION

420. JETHMALANI, S. C.; DIGHE, J. M.; LOLE, B. S.; SHARMA, O. P.; MEHRE, D. P. EFFECT OF SALINE WATER ON CROP YIELD AND SOIL PROPERTIES. JNKVV. RES. J. 13: 6-10. 1979. WHEAT; CORN GRAMINEAE: TRITICUM AESTIVUM, ZEA MAYS SOIL, FIELD PLOT SODIUM, CHLORIDE, CALCIUM HEIGHT, TILLERING, YIELD, SALT TOLERANCE, GERMINATION

421. JINDAL, P. C.; SINGH, J. P.; GUPTA, O. P. EFFECT OF SALINITY ON THE MINERAL NUTRIENTS IN MANGO SEEDLINGS. INDIAN J. AGRIC. SCI. 49: 105-109. 1979. MANGO ANACARDIACEAE: MANGIFERA INDICA SOIL, POT SODIUM, CHLORIDE, SULFATE, CALCIUM MINERAL COMPOSITION

422. JINDAL, P. C.; SINGH, J. P.; GUPTA, O. P. SCREENING OF MANGO SEEDLINGS FOR SALT TOLERANCE. HARYANA J. HORT. SCI. 4: 112-115. 1975. MANGO ANACARDIACEAE: MANGIFERA INDICA FIELD PLOT, SOIL SALINE SOIL SODIUM UPTAKE, SEEDLING GROWTH, HEIGHT, MINERAL COMPOSITION

423. JOBES, J. A.; HOFFMAN, G. J.; WOOD, J. D. LEACHING REQUIREMENT FOR SALINITY CONTROL. II. OAT, WHEAT, TOMATO, AND CAULIFLOWER. AGRIC. WATER MANAGE. 4: 393-407. 1981. OATS; WHEAT; TOMATO; CAULIFLOWER GRAMINEAE: TRITICUM AESTIVUM, AVENA SATIVA; SOLANACEAE: LYCOPERSICON ESCULENTUM; CRUCIFERAE: BRASSICA OLERACEA FIELD PLOT, SOIL SODIUM, CHLORIDE, CALCIUM, LEACHING SEED WEIGHT, YIELD, VEGETATIVE GROWTH, FRUIT QUALITY

424. JOHN, C. D.; LAUCHLI, A. METABOLIC ADAPTATION IN MATURE ROOTS OF SALT STRESSED ZEA-MAYS. ANN. BOT. 46: 395-400. 1980. CORN GRAMINEAE: ZEA MAYS WATER CULTURE SODIUM, SULFATE, GLUCOSE PROTEIN, LEUCINE, OXYGEN UPTAKE, CARBON DIOXIDE UPTAKE, GAS EXCHANGE

425. JOHNSON, C. R.; BLACK, R. J. SALT TOLERANT PLANTS FOR FLORIDA. UNIV. FLORIDA, DEPT. ORNAMENTAL HORT. FACT SHEET 26: 4 P. TREE; PALM; SHRUB; GROUND COVER; VINE

426. JONES, R. G. W. SALT TOLERANCE. IN: PHYSIOLOGICAL PROCESSES OF LIMITING PLANT PRODUCTIVITY. JOHNSON, E. B. (ED). BUTTERWORTH PRESS, LONDON. 1981. 21P. SALINE WATER, SALINE SOIL, SODIUM, CHLORIDE, CALCIUM SALT TOLERANCE

427. JOOLKA, N. K.; SINGH, J. P. EFFECT OF SOIL SALINITY ON THE GROWTH OF CITRUS ROOTSTOCKS. INDIAN J. AGRIC. SCI. 49: 858-861. 1979. CITRUS; LEMON; LEMANDARIN; ORANGE RUTACEAE: CITRUS JAMBHIRI, CITRUS RESHNI, CITRUS KARNA, CITRUS LIMONIA, CITRUS LIMON, CITRUS SINENSIS, PONCIRUS TRIFOLIATA POT, SOIL ROOTSTOCK, SODIUM, CALCIUM, CHLORIDE, SULFATE, MAGNESIUM VEGETATIVE GROWTH, TOP GROWTH, ROOT GROWTH

428. JOOLKA, N. K.; SINGH, J. P.; KHERA, A. P. MINERAL COMPOSITION OF GRAPE AS AFFECTED BY CHLORIDE AND SULFATE SALTS OF SODIUM IN SOILS. INDIAN J. AGRIC. SCI. 47: 201-203. 1977. GRAPE VITACEAE: VITIS VINIFERA POT, SOIL SODIUM, CHLORIDE, SULFATE MINERAL COMPOSITION

429. JORGENSEN, V. VANDING AF GRONSAGER MED GRUNDVAND OG SALTHOLDIGT VAND. IRRIGATION OF VEGETABLE CROPS WITH UNDERGROUND WATER AND SALINE WATER. (DAN; ENG SUM). TIDSSKR. PL. AVL. 80: 791-809. 1976. CELERY; ONION; LEEK; CAULIFLOWER; RADISH; SPINACH UMBELLIFERAE: APIUM GRAVEOLENS VAR RAPACEUM; AMARYLLIDACEAE: ALLIUM CEPA, ALLIUM PORRUM; CRUCIFERAE: BRASSICA OLERACEA VAR BOTRYTIS, RAPHANUS SATIVUS; CHENOPODIACEAE: SPINACIA OLERACEA FIELD SODIUM, CHLORIDE, IRRIGATION METHOD YIELD, SODIUM UPTAKE, SALT TOLERANCE

430. JOSHI, A. J. AMINO ACIDS AND MINERAL CONSTITUENTS IN SESUVIUM PORTULACASTRUM L., A SALT MARSH HALOPHYTE. AQUAT. BOT. 10: 69-74. 1981. CARPETWEED AIZOACEAE: SESUVIUM PORTULACASTRUM FIELD SALINE SOIL, SEA WATER MINERAL COMPOSITION, AMINO ACID, PROLINE, SODIUM UPTAKE

431. JOSHI, A. J.; IYENGAR, E. R. R. GERMINATION OF SUAEDA NUDIFLORA. GEOBIOS 4:267-268. 1977. CHENOPODIACEAE: SUAEDA NUDIFLORA GERMINATION DISHES SEA WATER GERMINATION

432. JOSHI, A. J.; IYENGAR, E. R. R.; BHATT, D. C. EFFECTS OF SALINITY ON STRUCTURE AND FREQUENCY OF STOMATA IN SALT MARSH HALOPHYTES. GEOBIOS. 7: 210-213. 1980. GLASSWORT CHENOPODIACEAE: SALICORNIA BRACHIATA, SUAEDA NUDIFLORA;

AIZOACEAE: SESUVIUM PORTULACASTRUM POT, SOIL SEA WATER STOMATAL FREQUENCY

433. JOSHI, G. V.; KARADGE, B. A. EFFECT OF SODIUM CHLORIDE ON PHOTOSYNTHETIC CARBON-14 DIOXIDE ASSIMILATION IN PORTULACA OLERACEA LINN. INDIAN J. EXP. BIOL. 17: 167-170. 1979. PURSLANE PORTULACACEAE: PORTULACA OLERACEA WATER CULTURE SODIUM, CHLORIDE CARBON DIOXIDE FIXATION, CHLOROPHYLL, WATER CONTENT, MINERAL COMPOSITION, ENZYME, PHOTOSYNTHESIS

434. JOSHI, G. V.; NAIK, G. R. SALINITY EFFECT ON GROWTH AND PHOTOSYNTHETIC PRODUCTIVITY IN SUGARCANE VAR. CO 740. INDIAN SUGAR 27:329-332. 1977. SUGARCANE GRAMINEAE: SACCHARUM OFFICINARUM WATER CULTURE, SOIL, FIELD SODIUM, CHLORIDE, SULFATE PHOTOSYNTHESIS, VEGETATIVE GROWTH, PROTEIN, PROLINE, CHLOROPHYLL

435. JOSHI, Y. C.; QADAR, A.; RANA, R. S. DIFFERENTIAL SODIUM AND POTASSIUM ACCUMULATION RELATED TO SODICITY TOLERANCE IN WHEAT. INDIAN J. PLANT PHYSIOL. 22: 226-230. 1979. WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, SOIL SODIUM, BICARBONATE, VARIETY EXCHANGEABLE SODIUM PERCENTAGE, SODIUM UPTAKE, POTASSIUM UPTAKE

436. JURINAK, J. J.; WAGENET, R. J. FERTILIZATION AND SALINITY. SALINITY IN IRRIGATION AND WATER RESOURCES. D. YARON (ED.). CIV. ENG. 4: 103-119. 1981. FERTILIZATION, SALT TOLERANCE

437. JURY, W. A.; FRENKEL, H.; FLUHLER, H.; DEVITT, D.; STOLZY, L. H. USE OF SALINE IRRIGATION WATERS AND MINIMAL LEACHING FOR CROP PRODUCTION. HILGARDIA 46: 169-192. 1978. WHEAT; SORGHUM GRAMINEAE: TRITICUM AESTIVUM, SORGHUM LYSIMETER, SOIL SALINE WATER, WATER QUALITY, WATER TABLE, IRRIGATION METHOD, LEACHING WATER USE

438. KABUZENKO, S. N.; PONOMAREVA, S. A. CHLORIDE SALINIZATION EFFECT ON POLY SACCHARIDE CONTENT AND RESPIRATION INTENSITY OF CROPS DIFFERENT IN SALT RESISTANCE. (RUS; ENG SUM). FIZIOL. BIOKHIM. KUL'T. RAST. 12: 620-624. 1980. CORN; TOMATO GRAMINEAE: ZEA MAYS; SOLANACEAE: LYCOPERSICON ESCULENTUM SOIL SODIUM, CHLORIDE RESPIRATION, STARCH, CELLULOSE

439. KALIR, A.; POLJAKOFF-MAYBER, A. CHANGES IN ACTIVITY OF MALATE DEHYDROGENASE, CATALASE, PEROXIDASE AND SUPEROXIDE DISMUTASE IN LEAVES OF HALOPHYTE PORTULACOIDES (L.) AELLEN EXPOSED TO HIGH SODIUM CHLORIDE CONCENTRATIONS. ANN. BOT. 47: 75-85. 1981. GOOSEFOOT CHENOPODIACEAE: HALIMIONE PORTULACOIDES GREENHOUSE, WATER CULTURE SODIUM, CHLORIDE MINERAL COMPOSITION, MALATE DEHYDROGENASE, CATALASE, PEROXIDASE, ENZYME ACTIVITY, PROTEIN, CHLOROPHYLL

440. KAMASAKI, H.; TAKADA, H.; KAMISAKA, S. REQUIREMENT OF SODIUM CHLORIDE FOR THE ACTION OF GIBBERELLIC ACID IN STIMULATING HYPOCOTYL ELONGATION OF A HALOPHYTE, SALICORNIA HERBACEA L. PLANT CELL PHYSIOL. 19: 1415-1425. 1978. CHENOPODIACEAE: SALICORNIA HERBACEA GERMINATION DISHES SODIUM, CHLORIDE, KINETIN, GIBBERELLIC ACID, INDOLE-3-ACETIC ACID HYPOCOTYL ELONGATION, SODIUM UPTAKE

441. KAMATH, M. B.; GOSWAMI, N. N.; DRAVID, M. S.; OZA, A. M. SOIL-GENOTYPE INTERACTION WITH REGARD TO TOLERANCE TO SALINITY AND PHOSPHORUS UTILIZATION BY BARLEY. J. NUCL. AGRIC. BIOL. 6: 86-88. 1977. BARLEY GRAMINEAE: HORDEUM VULGARE FIELD, SOIL, POT SALINE SOIL, VARIETY, PHOSPHORUS ROOT DISTRIBUTION, VEGETATIVE GROWTH, PHOSPHORUS UPTAKE

442. KAMESWARARAO, B. V.; RAMAKRISHNAYYA, B. V.; SASTRY, A. S. EFFECT OF CHLORIDES ON THE YIELD AND QUALITY OF INDIAN

FLUE-CURED TOBACCO INDIAN J. AGR. SCI. 34:78-86. 1964. TOBACCO SOLANACEAE: NICOTIANA TABACUM FIELD PLOT SODIUM, CHLORIDE, PLANTING DATE VEGETATIVE YIELD

443. KANWAR, J. S.; BHAMBOTA, J. R. EFFECT OF DIFFERENT WATER TABLES AND SALINITY LEVELS ON THE CHLOROPHYLL CONTENTS AND CHEMICAL COMPOSITION OF LEAVES OF SWEET ORANGE (CITRUS SINENSIS (L). OSBECK). INDIAN J. AGRIC. SCI. 38:238-244. 1968. ORANGE, SWEET RUTACEAE: CITRUS SINENSIS SOIL WATER TABLE CHLOROPHYLL, MINERAL COMPOSITION

444. KAPPEN, L.; NOEVIG, M.; MAIER, M. SEASONAL RELATIONS BETWEEN THE CONTENT OF AMINO ACIDS AND FREEZING TOLERANCE OF LEAVES OF HALIMIONE PORTULACOIDES UNDER DIFFERENT SALT STRESS. BIOCHEM. PHYSIOL. PFLANZ. 172:297-304. 1978. CHENOPODIACEAE: HALIMIONE PORTULACOIDES POT, SAND SODIUM, CHLORIDE CHLORIDE UPTAKE, AMINO ACID, FREEZING TOLERANCE, PROLINE

445. KARADGE, B. A.; CHAVAN, P. D. MINERAL NUTRITION OF GROUNDNUT (ARACHIS HYPOGAEA) CULTIVAR SB-11 GROWN IN SALINIZED SOIL. MAHARASHTRA VIDNYAN MANDIR PATRIKA 14: 68-75. 1979. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA FIELD PLOT, SOIL SODIUM, CHLORIDE, SULFATE SHOOT GROWTH, ROOT GROWTH, VEGETATIVE GROWTH, YIELD, MINERAL COMPOSITION

446. KATZ, A.; TAL, M. SALT TOLERANCE IN THE WILD RELATIVES OF THE CULTIVATED TOMATO: PROLINE ACCUMULATION IN CALLUS TISSUE OF LYCOPERSICON ESCULENTUM AND L. PERUVIANUM. Z. PFLANZENPHYSIOL. 98: 429-435. 1980. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM, LYCOPERSICON PERUVIANUM CALLUS TISSUE SODIUM, CHLORIDE, MANNITOL, PROLINE, DEHYDROPROLINE PROLINE

447. KAUL, R. RELATIVE GROWTH RATES OF SPRING WHEAT, OATS AND BARLEY UNDER POLYETHYLENE GLYCOL-INDUCED WATER STRESS. CAN. J. PLANT SCI. 46: 611-617. 1966. BARLEY; WHEAT; OATS GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM, AVENA SATIVA WATER CULTURE POLYETHYLENE GLYCOL VEGETATIVE GROWTH, GROWTH RATE

448. KAWASAKI, T.; MORITSUGU, M. EFFECT OF CALCIUM ON SALT INJURY IN PLANTS. I. MAIZE AND BEAN. BER. OHARA INST. LANDWIRTSCH BIOL. 17: 57-71. 1978. CORN; BEAN GRAMINEAE: ZEA MAYS; LEGUMINOSAE: PHASEOLUS VULGARIS POT, WATER CULTURE, GREENHOUSE SODIUM, CALCIUM, MAGNESIUM, CHLORIDE, SULFATE CALCIUM UPTAKE, VEGETATIVE GROWTH, SODIUM UPTAKE, POTASSIUM UPTAKE, MAGNESIUM UPTAKE

449. KAWASAKI, T.; MORTISUSU, M. EFFECT OF CALCIUM ON SALT INJURY IN PLANTS. II. BARLEY AND RICE. BER. OHARA INST. LANDWIRTSCH BIOL. 17: 73-81. 1978. BARLEY; RICE GRAMINEAE: HORDEUM VULGARE, ORYZA SATIVA SAND, POT, WATER CULTURE, GREENHOUSE SODIUM, CHLORIDE, CALCIUM VEGETATIVE GROWTH, POTASSIUM UPTAKE, SODIUM UPTAKE, CALCIUM UPTAKE, MAGNESIUM UPTAKE

450. KAZIM, A. .A TOMATO GROWTH AND YIELD AS INFLUENCED BY DIFFERENT LEVELS OF SALINE WATER APPLICATIONS. MESOPOTAMIA J. AGRIC. 13: 93-100. 1978. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM SOIL, GREENHOUSE, POT SODIUM, CHLORIDE, CALCIUM VEGETATIVE GROWTH, YIELD, LEAF WATER CONTENT, SHOOT GROWTH, FLOWERING

451. KEMP, P. R.; CUNNINGHAM, G. L. LIGHT, TEMPERATURE AND SALINITY EFFECTS ON GROWTH, LEAF ANATOMY AND PHOTOSYNTHESIS OF DISTICHLIS SPICATA (L.) GREENE. AMER. J. BOT. 68: 507-516. 1981. GRASS GRAMINEAE: DISTICHLIS SPICATA WATER CULTURE, POT SODIUM, CHLORIDE, LIGHT, TEMPERATURE GROWTH RATE, XYLEM, PHOTOSYNTHESIS, STOMATAL RESISTANCE, RESPIRATION, STOMATAL FREQUENCY, MESOPHYLL, LEAF AREA, LEAF THICKNESS

452. KENNEDY, R. A. THE EFFECTS OF NACL-, POLYETHYLENEGLYCOL-, AND NATURALLY-INDUCED WATER STRESS ON PHOTOSYNTHETIC PRODUCTS, PHOTOSYNTHETIC RATES, AND CO2 COMPENSATION POINTS IN C4 PLANTS. Z. PFLANZENPHYSIOL. 83: 11-24. 1977. CORN; PURSLANE GRAMINEAE: ZEA MAYS; PORTULACACEAE: PORTULACA OLERACEA GROWTH CHAMBER, WATER CULTURE SODIUM, CHLORIDE, POLYETHYLENE GLYCOL WATER CONTENT, CHLOROPHYLL, VEGETATIVE GROWTH, SUGAR PHOSPHATES, PHOTOSYNTHESIS

453. KENNEDY, W. R. ROAD SALT DAMAGE AND TOLERANT GRASSES WEEDS, TREES AND TURF 17: 31. 1978. GRASS DEICING SALT

454. KHADR, A. A. NITROGEN INFLUENCE ON SALT TOLERANCE OF BROAD BEAN, BARLEY, AND PEA SEEDLINGS GROWN IN SAND CULTURE. ANN. AGRIC. SCI. 12: 159-168. 1980. BARLEY; BEAN, BROAD; PEA GRAMINEAE: HORDEUM VULGARE; LEGUMINOSAE: VICIA FABA, PISUM SATIVUM POT, SAND, GREENHOUSE NITROGEN VEGETATIVE GROWTH, GERMINATION, MINERAL COMPOSITION

455. KHAITBAER, E. KH.; SAIDNASYROVA, Z. N.; VALIKHANOV, M. N.; ORESTOVA, I. I. DYNAMICS OF THE MINERAL METABOLISM OF COTTON DURING SALINIZATION SOV. AGRIC. SCI. 9:20-21. 1976. COTTON MALVACEAE: GOSSYPIUM POT, SOIL SODIUM, CHLORIDE MINERAL COMPOSITION

456. KHAN, A. H. COMPARATIVE EFFECT OF SODIUM CHLORIDE AND SULFATE ON GROWTH AND ION ACCUMULATION IN ZEA-MAYS L. PAK. J. BOT. 10: 161-166. 1978. CORN GRAMINEAE: ZEA MAYS POT, GROWTH CHAMBER SODIUM, CHLORIDE, SULFATE ION CONTENT, POTASSIUM UPTAKE, OSMOTIC PRESSURE, ROOT GROWTH, VEGETATIVE GROWTH, SODIUM UPTAKE

457. KHAN, M. KALLAR-GRASS (A SUITABLE GRASS FOR SALINE LANDS). AGRI. PAK. 17:375. 1966. KALLAR GRASS GRAMINEAE: DIPLACHNE FUSCA

458. KHAN, M. A.; KHAN, M. I. EFFECT OF LIGHT AND TEMPERATURE ON SEEDLINGS RAISED UNDER SODIUM CHLORIDE SALINITY. PAK. J. BOT. 10: 167-172. 1978. WHEAT; JUTE; CORN TILIACEAE: CORCHORUS CAPSULARIS; GRAMINEAE: ZEA MAYS, TRITICUM AESTIVUM GERMINATION DISH, WATER CULTURE, GROWTH CHAMBER, SOIL LIGHT, TEMPERATURE, SODIUM, CHLORIDE SHOOT GROWTH, ROOT GROWTH

459. KHAN, M. A.; KHAN, M. I. IONIC AND OSMOTIC EFFECTS OF SODIUM CHLORIDE ON GERMINATION RATE AND SUBSEQENT GROWTH OF WHEAT SEEDLINGS. PAK. J. BOT. 10: 101-105. 1978. WHEAT GRAMINEAE: TRITICUM AESTIVUM GERMINATION DISHES, GROWTH CHAMBER SODIUM, CHLORIDE, SEED PRETREATMENT, POLYETHYLENE GLYCOL GERMINATION, SEEDLING GROWTH

460. KHAN, M. I.; BEGUM, F. EFFECTS OF SALTS ON PHOSPHOMONOESTERASES OF WHEAT SEEDLINGS. PAK. J. BIOCHEM. 5: 15-18. 1972. WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, WATER CULTURE, GROWTH CHABER SODIUM, CHLORIDE, SULFATE PHOSPHATASE, ENZYME

461. KHAN, M. I.; PATEL, Z. EFFECT OF SODIUM CHLORIDE ON GERMINATION, GROWTH AND ENZYMES OF TWO VARIETIES OF WHEAT SEED. SIND UNIV. RES. JOUR. (SCI. SER.) 6:7-14. 1972. WHEAT GRAMINEAE: TRITICUM AESTIVUM SAND, GERMINATION DISHES SODIUM, CHLORIDE INVERTASE, AMYLASE, INDOLEACETIC ACID OXIDASE, GERMINATION, VEGETATIVE GROWTH

462. KHANDUJA, S. D.; CHATURVEDI, K. N.; GARG, V. K. EFFECT OF EXCHANGEABLE SODIUM PERCENTAGE ON THE GROWTH AND MINERAL COMPOSITION OF THOMPSON-SEEDLESS GRAPEVINES. SCI. HORTIC. 12: 47-54. 1980. GRAPE VITACEAE: VITIS VINIFERA SOIL, POT SODIUM, BICARBONATE SHOOT LENGTH, MINERAL COMPOSITION

463. KHANNA, S. S.; BALAGURU, T. INTERACTION OF POTASSIUM AND SODIUM ON GROWTH AND MINERAL CONTENT OF WHEAT. INDIAN J. AGRIC. SCI. 51: 324-328. 1981. WHEAT GRAMINEAE: TRITICUM AESTIVUM SAND, POT SODIUM, POTASSIUM, CHLORIDE VEGETATIVE GROWTH, POTASSIUM UPTAKE, SODIUM UPTAKE, HEIGHT

464. KHATTAK, J. K.; RASHID, A.; KHAN, M. A. EFFECT OF SALINE IRRIGATION WATER ON THE GROWTH, YIELD AND PROTEIN CONTENT OF MEXI-PAK 65. PART I. PAK. J. SCI. RES. 25: 162-166. 1973. WHEAT GRAMINEAE: TRITICUM AESTIVUM GREENHOUSE, SOIL, POT SODIUM, CHLORIDE YIELD, PROTEIN, TILLERING, HEIGHT

465. KIM, C. S. STUDY ON THE SEED GERMINATION AND SALT TOLERANCE OF PLANTS IN RECLAIMED SALT AREA. (KOR; ENG SUM). KOREAN J. BOT. 23: 27-33. 1980. RAPE; STARWORT; BROMEGRASS; MANNAGRASS; MILLET CRUCIFERAE: BRASSICA NAPUS; COMPOSITAE: ASTER KORAIENSIS; GRAMINEAE: BROMUS JAPONICUS, GLYCERIA ACUTIFLORA, ECHINOCHLOA HISPIDULA, SETARIA LUTESCENS SODIUM, CHLORIDE GERMINATION

466. KIRKHAM, M. B. SALT WATER IRRIGATION FREQUENCY FOR BARLEY. ANN. ARID ZONE 17:12-18. 1978. BARLEY GRAMINEAE: HORDEUM VULGARE POT, SAND, GREENHOUSE SODIUM, CHLORIDE, IRRIGATION FREQUENCY GRAIN YIELD, VEGETATIVE GROWTH, CHLORIDE UPTAKE

467. KITAMURA, T.; ITO, T.; KUDO, H.; OHZEKI, K. STUDIES ON THE ABSORPTION OF CHLORIDE BY BURLEY TOBACCO. I. EFFECTS OF CHLORIDE CONTENT IN THE CURED LEAVES ON THE CHEMICAL AND PHYSICAL PROPERTIES, AND SMOKING QUALITY OF TOBACCO. BULL. MORIOKA TOB. EXP. STN. 13: 13-23. 1978. TOBACCO SOLANACEAE: NICOTIANA TABACUM SOIL CHLORIDE MINERAL COMPOSITION, VEGETATIVE GROWTH, CHLORIDE UPTAKE

468. KLEIN, R. M.; BROWN, S. J. EFFECT OF BORATE EXCESS AND CALCIUM ION ON MITOSIS OF PEA ROOT-TIP MERISTEM CELLS. ENVIRON, EXP. BOT. 22: 199-202. 1982. PEA LEGUMINOSAE: PISUM SATIVUM VERMICULITE, GERMINATION DISHES BORON MITOTIC ACTIVITY

469. KOCHBA, J.; SPIEGEL-RAY, P.; SAAD, S. SELECTION FOR TOLERANCE OF SODIUM CHLORIDE (NACL) AND 2,4-DICHLOROPHENOXYACETIC ACID (2,4-D) IN OLVULAR CALLUS LINES OF CITRUS SINENSIS. IN: PLANT CELL CULTURES: RESULTS AND PERSPECTIVES. ELSEVIER/NORTH HOLLAND BIOMEDICAL PRESS. F. SALA, B. PARISI, R. CELLA, O. CIFERRI (EDS.). 6 P. 1980. ORANGE, SWEET RUTACEAE: CITRUS SINENSIS WATER CULTURE SODIUM, CHLORIDE, DICHLOROPHENOXYACETIC ACID SALT TOLERANCE, GENETIC INTERACTION

470. KORKOR, S. A.; HILAL, M. H. THE USE OF SALINE WATER FOR IRRIGATING WHEAT CROP EGYPT J. SOIL SCI. SPECIAL ISSUE: 237-244. 1975. WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, SOIL SODIUM, CALCIUM, CHLORIDE STRAW YIELD, GRAIN YIELD, GERMINATION

471. KORKOR, S. A.; HILLAL, M. H. USE OF SALINE WATER FOR IRRIGATING WHEAT CROP. AGROCHIMICA 20: 233-238. 1976. WHEAT GRAMINEAE: TRITICUM AESTIVUM SOIL, POT, IRRIGATION METHOD SODIUM, CHLORIDE GRAIN YIELD, STRAW YIELD, GERMINATION

472. KRAPFENBAUER, A.; GLATZEL, G.; WU, Z. H. DAMAGE TO TREES BY DEICING SALTS. CAN SCIENTIFIC RESEARCH HELP TO SAVE THE TREES IN OUR CITIES (GER; ENG SUM). BODENKULTUR 25: 54-62. 1974. TREE SOIL DEICING SALT LEAF INJURY, CHLORIDE UPTAKE, SODIUM UPTAKE

473. KRASNOOK, N. R.; TUR, N. S. EFFECT OF SOIL SALINITY ON ACTIVITY OF CELL ORGANELLES IN RICE. SOVIET PLANT PHYSIOL. 15:310-311. 1968. RICE GRAMINEAE: ORYZA SATIVA SALINE SOIL OXYGEN ABSORPTION, TILLERING, PHOSPHORUS UPTAKE

474. KUIPER, P. J. C. LIPID METABOLISM OF HIGHER PLANTS IN SALINE ENVIRONMENTS. PHYSIOL. VEG. 18: 83-88. 1980. LIPID COMPOSITION, LIPID METABOLISM

475. KULIAGINA, G. A. STUDIES OF NEW VARIETIES OF SOYBEAN UNDER IRRIGATION ON SALINE LANDS OF DAGESTAN. (RUS.). BIUL. NAUCHNO-TEKH. INF. MASLICHN. KUL'T. 16-19. 1979. SOYBEAN LEGUMINOSAE: GLYCINE MAX FIELD PLOT SALINE SOIL VEGETATIVE GROWTH, SEED YIELD, SEED WEIGHT, HEIGHT

476. KUMAR, A.; ABROL, I. P. DRY MATTER, CRUDE PROTEIN AND CHEMICAL COMPOSITION OF 5 PERENNIAL FORAGE GRASSES AS INFLUENCED BY GYPSUM LEVELS IN A HIGHLY SODIC SOIL. INDIAN J. AGRIC. SCI. 49: 535-541. 1979. MILLET, PEARL; NAPIER GRASS; BERMUDA GRASS; SIGNAL GRASS; BRISTLE GRASS; GUINEA GRASS GRAMINEAE: PENNISETUM PURPUREUM, PENNISETUM AMERICANUM, BRACHIARIA MUTICA, SETARIA SPHACCLATA, PANICUM MAXIMUM, CYNODON DACTYLON FIELD GYPSUM, CALCIUM, SULFATE VEGETATIVE GROWTH, PROTEIN, MINERAL COMPOSITION

477. KUMAR, A.; ABROL, I. P. GROW BERMUDA AND PARA GRASSES ON ALKALI SOILS. INDIAN FARMING 29: 22-23. 1979. NAPIER GRASS; MILLET, PEARL; SIGNAL GRASS; GUINEA GRASS; BERMUDA GRASS GRAMINEAE: PENNISETUM PURPUREUM, PENNISETUM AMERICANUM, BRACHIARIA MUTICA, SETARIA SPHACELATA, PANICUM MAXIMUM, CYNODON DACTYLON FIELD GYPSUM, CALCIUM, SULFATE VEGETATIVE GROWTH, EXCHANGEABLE SODIUM PERCENTAGE

478. KUMAR, A.; ABROL, I. P. PERFORMANCE OF FIVE PERENNIAL FORAGE GRASSES AS INFLUENCED BY GYPSUM LEVELS IN A HIGHLY SODIC SOIL. INDIAN J. AGRIC. SCI. 49: 473-477. 1979. NAPIER GRASS; SIGNAL GRASS; BRISTLE GRASS; GUINEA GRASS; BUNCH GRASS; BERMUDA GRASS; MILLET, PEARL GRAMINEAE: PENNISETUM PURPUREUM, PENNISETUM AMERICANUM, BRACHIARIA MUTICA, SETARIA SPHACELATA, PANICUM MAXIMUM, CENCHRUS CILIARIS, CYNODON DACTYLON SOIL, FIELD PLOT GYPSUM, CALCIUM, SULFATE VEGETATIVE GROWTH, EXCHANGEABLE SODIUM PERCENTAGE

479. KUMAR, A.; ABROL, I. P.; DARGAN, K. S. EFFECT OF SPACING, ZINC AND GYPSUM ON THE FORAGE YIELD OF PARA-GRASS GROWN ON A HIGHLY SODIC SOIL. INDIAN J. AGR. SCI. 51: 786-791. 1981. PARA-GRASS GRAMINEAE: BRACHIARIA MUTICA FIELD, SOIL GYPSUM, ZINC YIELD, VEGETATIVE GROWTH

480. KUMAR, D.; CHAUHAN, R. P. S.; SINGH, R. V. SALT TOLERANCE OF SOME INDUCED MUTANTS OF 'HB 2009' WHEAT. INDIAN J. AGR. SCI. 51: 475-479. 1981. WHEAT GRAMINEAE: TRITICUM AESTIVUM SAND, SOIL, FIELD PLOT, SALINE WATER SODIUM, CHLORIDE, CALCIUM GERMINATION, HEIGHT, VEGETATIVE GROWTH, TILLERING

481. KUMAR, V.; SINGH, V. P. EFFECT OF SOME SODIUM SALTS ON THE GROWTH AND YIELD OF WHEAT. CURR. AGRIC. 3: 103-108. 1979. WHEAT GRAMINEAE: TRITICUM AESTIVUM GREENHOUSE, SOIL, POT SODIUM, CHLORIDE, SULFATE, BICARBONATE VEGETATIVE GROWTH, TILLERING, LEAF FREQUENCY, HEIGHT, GRAIN YIELD, STRAW YIELD

482. KUMAR, V.; SINGH, V. P. SALT TOLERANCE OF TRITICALE PLANT AS JUDGED BY THE GROWTH AND YIELD OF THE CROP. CURR. AGRIC. 4: 43-46. 1980. WHEAT GRAMINEAE: TRITICUM AESTIVUM GREENHOUSE, SOIL, POT CHLORIDE, SODIUM VEGETATIVE GROWTH, YIELD, HEIGHT, LEAF FREQUENCY

483. KURAMOTO, R. T.; BREST, D. E. PHYSIOLOGICAL RESPONSE TO SALINITY BY FOUR SALT MARSH PLANTS. BOT. GAZ. 140: 295-298. 1979. SALTWORT; GLASSWORT; CORDGRASS; SALTGRASS GRAMINEAE: SPARTINA FOLIOSA, DISTICHLIS SPICATA; CHENOPODIACEAE: SALICORNIA EUROPAEA; BATIDACEAE: BATIS MARITIMA GREENHOUSE, WATER CULTURE SALINE WATER PHOSPHOENOL PYRUVATE CARBOXYLASE, PHOTOSYNTHESIS, RESPIRATION

484. LABANAUSKAS, C. K.; BINGHAM, F. T.; CERDA, A. FREE AND PROTEIN AMINO ACIDS, AND NUTRIENT CONCENTRATIONS IN WHEAT GRAIN AS AFFECTED BY PHOSPHORUS NUTRITION AT VARIOUS SALINITY LEVELS. PLANT SOIL 49: 581-593. 1978. WHEAT GRAMINEAE: TRITICUM AESTIVUM WATER CULTURE, GREENHOUSE PHOSPHORUS, SODIUM, CHLORIDE MINERAL COMPOSITION, GRAIN YIELD, AMINO ACID, GLYCINE, PROLINE

485. LABANAUSKAS, C. K.; STOLZY, L. H.; HANDY, M. F. PROTEIN AND FREE AMINO ACIDS IN WHEAT GRAIN AS AFFECTED BY SOIL TYPES AND SALINITY LEVELS IN IRRIGATION WATER. PLANT SOIL 59: 299-316. 1981. WHEAT GRAMINEAE: TRITICUM AESTIVUM LYSIMETER, SOIL SALINE WATER, SOIL TYPE, MOISTURE CONTENT YIELD, SEED WEIGHT, PROTEIN, AMINO ACID

486. LACHINA, N. I. APPROXIMATE DETERMINATION OF THE PRODUCTIVITY OF WINTER WHEAT AND BARLEY IN RELATION TO THE DEGREE OF SOIL SALINITY. (RUS). DOKL. VSES. ORDENA LENINA AKAD S-KH NAUK IM V. I. LENINA 10: 41-43. 1977. WHEAT; BARLEY GRAMINEAE: TRITICUM AESTIVUM, HORDEUM VULGARE FIELD PLOT SODIUM, SULFATE, CHLORIDE, CALCIUM, MAGNESIUM GRAIN YIELD

487. LADIGES, P. Y.; FOORD, P. C.; WILLIS, R. J. SALINITY AND WATERLOGGING TOLERANCE OF SOME POPULATIONS OF MELALEUCA ERICIFOLIA SMITH. AUST. J. ECOL. 6: 203-215. 1981. PAPERBARK, SWAMP MYRTACEAE: MELALEUCA ERICIFOLIA WATER CULTURE SEA WATER GERMINATION, ROOT GROWTH

488. LAKIZA, R. I.; EFIMOV, I. T. EFFECT OF MOISTURE RESERVES AND SOIL SALINITY ON THE GERMINATION OF CORN SEEDS. (RUS; ENG SUM). POCHVOVEDENIE 7: 162-167. 1978. CORN GRAMINEAE: ZEA MAYS POT SALINE SOIL, SULFATE GERMINATION

489. LAM, H.; MCLEAN, E. O. EFFECTS OF SALTS ON DRY MATTER YIELD AND NITROGEN AND PHOSPHORUS CONTENTS OF RICE PLANTS. SOIL SCI. PLANT ANAL. 10: 969-979. 1979. RICE GRAMINEAE: ORYZA SATIVA GREENHOUSE, SOIL, POT SODIUM, CHLORIDE, SULFATE, BICARBONATE, CALCIUM, PHOSPHORUS, NITROGEN, MAGNESIUM VEGETATIVE GROWTH, NITROGEN UPTAKE, PHOSPHORUS UPTAKE

490. LAMBERS, H.; BLACQUIERE, T.; STUIVER, B. INTERACTIONS BETWEEN OSMOREGULATION AND THE ALTERNATIVE RESPIRATORY PATHWAY IN PLANTAGO CORONOPUS AS AFFECTED BY SALINITY. PHYSIOL. PLANT. 51: 63-68. 1981. PLANTAIN PLANTAGINACEAE: PLANTAGO CORONOPUS VERMICULITE, GREENHOUSE, WATER CULTURE, GROWTH CHAMBER SODIUM, CHLORIDE VEGETATIVE GROWTH, PHOTOSYNTHESIS, RESPIRATION, CARBOHYDRATE, SORBITOL

491. LANGECKER, W.; SALEM, S.; BARTOLOMAEUS, W. UNTERSUCHUNGSERGEBNISSE UBER DIE AUSWIRKUNG SALZHALTIGEN GRUNDWASSERS AUF ERTAG UND INHALTSSTOFFE VON GRAS-KLEE-GEMISCHEN. THE EFFECT OF SALINE GROUNDWATER ON YIELD AND COMPOSITION OF CLOVER-GRASS MIXTURES. (GER; ENG SUM). ARCH ACKER-U. PFLAN. BODENKD. 19: 745-754. 1975. CLOVER, LADINO; CLOVER, RED; RYEGRASS, PERENNIAL; BLUEGRASS, KENTUCKY; FESCUE, MEADOW LEGUMINOSAE: TRIFOLIUM REPENS, TRIFOLIUM PRATENSE; GRAMINEAE: LOLIUM PERENNE, POA PRATENSIS, FESTUCA PRATENSIS FIELD, SOIL SALINE WATER, NITROGEN PROTEIN, VEGETATIVE YIELD, MINERAL COMPOSITION, SALT TOLERANCE

492. LANGILLE, A. R. EFFECT OF DATE AND METHOD OF APPLICATION ON RADIOACTIVE SODIUM CONTENT OF WHITE SPRUCE AND AMERICAN

ARBORVITAE HORTSCIENCE 13:294-295. 1978. ARBORVITAE, AMERICAN; SPRUCE, WHITE CUPRESSACEAE: THUJA OCCIDENTALIS; PINACEAE: PICEA GLAUCA POT, SOIL SODIUM, CHLORIDE, SALT SPRAY, SURFACE IRRIGATION SODIUM UPTAKE

493. LAPINA, L. P.; SOGOLOVA, T. A. CHANGES IN THE CONTENT OF MINERAL NUTRIENTS IN THE SUNFLOWER UNDER SALINIZATION WITH SODIUM SULFATE. (RUS). AGROKHIMIYA 1: 79-84. 1981. SUNFLOWER COMPOSITAE: HELIANTHUS ANNUUS SODIUM, CHLORIDE ION UPTAKE, MINERAL COMPOSITION, ION CONTENT

494. LAPINA, L. P.; SOGOLOVA, T. V.; STROGONOV, B. P. LOCALIZATION OF CHLORINE IN GLYCOPHYTES AND HALOPHYTES UNDER CONDITIONS OF SALINIZATION. SOV. PLANT PHYSIOL. 27: 212-220. 1980. BEAN, KIDNEY; SUNFLOWER; SAMPHIRE LEGUMINOSAE: PHASEOLUS VULGARIS; COMPOSITAE: HELIANTHUS ANNUUS; CHENOPODIACEAE: SALICORNIA EUROPAEA, KOCHIA AMERICANA GREENHOUSE, SOIL, POT, WATER CULTURE SODIUM, CHLORIDE CHLORIDE UPTAKE

495. LAPINA, L. P.; STROGONOV, B. P. LOCALIZATION OF SALTS IN CELLS IN RELATION TO THE ADAPTATION OF PLANTS TO CONDITIONS OF SALINIZATION. (RUS).. USP SOVREN. BIOL. 88: 93-107. 1979.

496. LAPUCCI, P. L.; GELLINI, R.; PAIERO, P. CONTAMINAZIONE CHEMICA DELL'ACQUA MARINA QUALE CAUSA DI MORIA DEI PINI LUNGO LE COSTE TIRRENICHE. CHEMICAL CONTAMINATION BY SEA WATER AS A FACTOR FOR PINES ALONG THE TIRRENICHE SHORE (ITA). ANN. ACAD. ITAL. SCI. FORR. 21: 323-358. 1972. PINE, ITALIAN STONE PINACEAE: PINUS PINEA FIELD, SOIL SALT SPRAY ECOLOGY, CHLORIDE UPTAKE, BORON UPTAKE

497. LATIF, A. EVALUATION OF SOME COTTON VARIETIES FOR SALT TOLERANCE. PROC. SEMINAR MEMBRANE BIOPHYSICS AND DEVELOPMENT SALT TOLERANCE IN PLANTS (FAISALABAD, PAKISTAN) MARCH 11-21, 1978: 202-209. MALVACEAE: GOSSYPIUM HIRSUTUM, GOSSYPIUM ARBOREUM POTS, FIELD PLOT, GERMINATION DISH SODIUM, CHLORIDE GERMINATION, ROOT GROWTH, HEIGHT, NODULATION, VEGETATIVE GROWTH, YIELD, FIBER QUALITY

498. LAUCHLI, A.; STELTER, W. SALT TOLRANCE OF COTTON GENOTYPES IN RELATION TO K/NA-SELECTIVIY. IN: BIOSALINE RESEARCH. A LOOK TO THE FUTURE. A. SAN PIETRO (ED.). PLENUM PUBL. CORP. 511-514. 1982. COTTON MALVACEAE: GOSSYPIUM HIRSUTUM SODIUM, CHLORIDE, POTASSIUM SODIUM UPTAKE, SALT TOLERANCE, POTASSIUM UPTAKE, CHLORIDE UPTAKE

499. LAUCHLI, A.; WIENEKE, J. STUDIES ON GROWTH AND DISTRIBUTION OF NA+, K+ AND CL- IN SOYBEAN VARIETIES DIFFERING IN SALT TOLERANCE. Z. PFLANZENERNAEHR. BODENKD. 142: 3-13. 1979. SOYBEAN LEGUMINOSAE: GLYCINE MAX GREENHOUSE SODIUM, CHLORIDE, VARIETY VEGETATIVE GROWTH, POTASSIUM UPTAKE, SODIUM UPTAKE, CHLORIDE UPTAKE

500. LAUTER, D. J.; MUNNS, D. N.; CLARKIN, K. L. SALT RESPONSE OF CHICKPEA AS INFLUENCED BY N SUPPLY. AGRON. J. 73: 961-966. 1981. PEA, CHICK LEGUMINOSAE: CICER ARIETINUM GREENHOUSE, SAND SODIUM, CHLORIDE, NITRATE RHIZOBIUM, NODULATION, ROOT GROWTH, SODIUM UPTAKE

501. LAVADO, R. S. PRODUCCION DE LA CEBADA (HORDEUM VULGARE L.) EN SUELOS SALINO-ALCALINOS DEL VALLE INFERIOR DEL RIO NEGRO. I. GERMINACION Y LIMITE DE TOLERANCIA A LAS SALES. BARLEY PRODUCTION IN SALINE-ALKALINE SOILS OF THE LOWER VALLEY OF RIO NEGRO. I. GERMINATION AND TOLERANCE LIMIT TO SALINITY. (SPA; ENG SUM) REVISTA INVEST. AGROP., INTA, BUENOS AIRES, CLIMA Y SUELO 10: 211-216. 1973. BARLEY GRAMINEAE: HORDEUM VULGARE GREENHOUSE, POT, SOIL SALINE SOIL GERMINATION, VEGETATIVE GROWTH

502. LAVADO, R. S. PRODUCCION DE LA CEBADA (HORDEUM VULGARE L.) EN SUELOS SALINO-ALCALINOS DEL VALLE INFERIOR DEL RIO NEGRO. II. INFLUENCIA DEL NITROGENO EN LA PRODUCCION. BARLEY PRODUCTION IN SALINE-ALKALINE SOILS OF THE LOWER VALLEY OF RIO NEGRO. II. NITROGEN INFLUENCE IN PRODUCTION (SPA; ENG SUM). REVISTA INVEST. AGROP, INTA, BUENOS AIRES, CLIMA Y SUELO 10: 217-221. 1973. BARLEY GRAMINEAE: HORDEUM VULGARE GREENHOUSE, POT, SOIL SALINE SOIL VEGETATIVE GROWTH

503. LAVADO, R. S. SENSIBILIDAD DEL MAIZ DE GUINEA A LA SALINIDAD DE UN SUELO DEL VALLE INFERIOR DEL RIO NEGRO. SENSITIVITY OF GUINEA CORN TO SALINE SOIL IN THE LOWER VALLEY OF THE RIO NEGRO (SPA). INST. NAC. TECH. AGROP. CENTRO INVEST. RECUR. NAT. SUELOS-TIRADA INTERN. BUENOS AIRES. 53: 5-14. 1970. BROOMCORN GRAMINEAE: SORGHUM BICOLOR, SORGHUM TECHNICUM FIELD PLOT, SOIL SALINE SOIL VEGETATIVE GROWTH

504. LAVADO, R.; PASCUALI, J.; HEVIA, R.; FRIGERIO, F. CONTRIBUCION AL CONOCIMIENTO DE LA TOLERANCIA A LAS SALES DE ALGUNAS ESPECIES Y CULTIVARES DE PASTO LLORON. CONTRIBUTION OF THE KNOWLEDGE OF SAT TOLERANCE OF SEVERAL "WEEPING LOVEGRASS" SPECIES AND CULTIVARS. (SPA; ENG SUM). DIA SUP. 33: 693-695. 1976. LOVEGRASS, WEEPING GRAMINEAE: ERAGROSTIS CURVULA GERMINATION DISH, POT, GREENHOUSE SODIUM, CHLORIDE, CALCIUM SALT TOLERANCE, GERMINATION, YIELD

505. LE CLERC, J. A.; BREAZEALE, J. F. EFFECT OF LIME UPON THE SODIUM-CHLORID TOLERANCE OF WHEAT SEEDLINGS. J. AGRIC. RES. 18: 347-356. 1920. WHEAT GRAMINEAE: TRITICUM AESTIVUM WATER CULTURE, SAND, SOIL, POT SODIUM, CHLORIDE, CALCIUM, SULFATE, MAGNESIUM, BICARBONATE, OXYGEN, NITRATE, BARIUM, IRON, PHOSPHATE, VEGETATIVE GROWTH, CHLORIDE UPTAKE

506. LESHEM, B. TOXIC EFFECTS OF CARBOWAXES (POLYETHYLENE GLYCOLS) ON PINUS HALEPENSIS MILL. SEEDLINGS. PLANT SOIL 24: 322-323. 1966. PINE, ALEPPO PINACEAE: PINUS HALEPENSIS WATER CULTURE, POT POLYETHYLENE GLYCOL ROOT GROWTH, SHOOT GROWTH

507. LESSANI, H.; MARSCHNER, H. RELATION BETWEEN SALT TOLERANCE AND LONG DISTANCE TRANSPORT OF SODIUM AND CHLORIDE IN VARIOUS CROP SPECIES. AUST. J. PLANT PHYSIOL. 5: 27-37. 1978. BEAN; PEPPER; CORN; BEET, SUGAR; SUNFLOWER; SAFFLOWER; CRESS LEGUMINOSAE: PHASEOLUS VULGARIS: SOLANACEAE: CAPSICUM ANNUUM: GRAMINEAE: ZEA MAYS; CHENOPODIACEAE: BETA VULGARIS; COMPOSITAE: HELIANTHUS ANNUUS, CARTHAMUS TINCTORIUS; CRUCIFERAE: LEPIDIUM SATIVUM POT, GREENHOUSE, SAND SODIUM, CHLORIDE MINERAL COMPOSITION, VEGETATIVE YIELD, SODIUM UPTAKE, CHLORIDE UPTAKE

508. LEVY, Y.; SHALHEVET, J.; BIELORAI, H. EFFECT OF IRRIGATION REGIME AND WATER SALINITY ON GRAPEFRUIT QUALITY. J. AMER. SOC. HORT. SCI. 104: 356-359. 1979. GRAPEFRUIT RUTACEAE: CITRUS PARADISI SOIL, FIELD PLOT SALINE WATER, SODIUM, CHLORIDE FRUIT QUALITY, PERCENT JUICE

509. LINTHURST, R. A.; BLUM, U. GROWTH MODIFICATIONS OF SPARTINA ALTERNIFLORA LOISEL. BY THE INTERACTION OF PH AND SALINITY UNDER CONTROLLED CONDITIONS. J. EXP. MAR. BIOL. ECOL. 55: 207-218. 1981. CORDGRASS GRAMINEAE: SPARTINA ALTERNIFLORA GREENHOUSE, SAND AERATION, PH, SALINE WATER VEGETATIVE GROWTH, MINERAL COMPOSITION

510. LINTHURST, R. A.; SENECA, E. D. AERATION, NITROGEN AND SALINITY AS DETERMINANTS OF SPARTINA ALTERNIFLORA LOISEL. GROWTH RESPONSE. ESTUARIES 4: 53-63. 1981. CORDGRASS GRAMINEAE: SPARTINA ALTERNIFLORA GREENHOUSE, POT, SOIL SEA WATER, AERATION, NITROGEN VEGETATIVE GROWTH, HEIGHT

511. LLERENA, V. F. A. EVALUACION DE LA TOLERANCIA A LAS SALES DE DOCE VARIEDADES DE TRIGO. EVALUATION OF SALT TOLERANCE OF TWELVE WHEAT VARIETIES. (SPA). MEMO TEC. MEX DIR. GEN DIST. RIEGO. 365: 29-56. 1977. WHEAT GRAMINEAE: TRITICUM AESTIVUM FIELD PLOT, SOIL VARIETY, SALINE SOIL GRAIN YIELD, SEED WEIGHT

512. LOMAS, J.; GAT, Z. THE EFFECT OF WINDBORNE SALT ON CITRUS PRODUCTION NEAR THE SEA IN ISRAEL. AGRIC. METEOROL. 4: 415-425. 1967. ORANGE RUTACEAE: CITRUS FIELD, SOIL SALT SPRAY FRUIT YIELD

513. LONGSTRETH, D. J.; NOBEL, P. S. SALINITY EFFECTS ON LEAF ANATOMY. PLANT PHYSIOL. 63: 700-703. 1979. BEAN; COTTON LEGUMINOSAE: PHASEOLUS VULGARIS; MALVACEAE: GOSSYPIUM HIRSUTUM; CHENOPODIACEAE: ATRIPLEX PATULA SSP HASTATA WATER CULTURE ANATOMY, LEAF THICKNESS, LEAF SUCCULENCE, VEGETATIVE GROWTH, MESOPHYLL CELL DIMENSIONS, STOMATAL RESISTANCE, CARBON DIOXIDE EXCHANGE

514. LONGSTRETH, D. J.; STRAIN, B. R. EFFECTS OF SALINITY AND ILLUMINATION ON PHOTOSYNTHESIS AND WATER BALANCE OF SPARTINA ALTENIFLORA LOISEL. OECOLOGIA 31:191-199. 1977. CORDGRASS GRAMINEAE: SPARTINA ALTERNIFLORA SAND LIGHT, SEA WATER GAS EXCHANGE, CARBON DIOXIDE FIXATION

515. LUCERO, J. C. GERMINACION DE CUATRO GRAMINEAS FORRAJERAS BAJO DISTINTAS CONDICIONES DE SALINDAD. GERMINATION OF FOUR GRASSES UNDER DIFFERENT SALINITY LEVELS. (SPA; ENG SUM). IDIA 273: 60-64. 1970. FESCUE, REED; BROMEGRASS; WHEATGRASS; WHEATGRASS, TALL GRAMINEAE: FESTUCA ELATIOR, BROMUS PARODII, AGROPYRON SCABRIFOLIUM, AGROPYRON ELONGATUM GERMINATION DISH SODIUM, CHLORIDE, CALCIUM GERMINATION

516. LUGUE, A. A.; BINGHAM, F. T. THE EFFECT OF THE OSMOTIC POTENTIAL AND SPECIFIC ION CONCENTRATION OF THE NUTRIENT SOLUTION ON THE UPTAKE AND REDUCTION OF NITRATE BY BARLEY SEEDLINGS. PLANT SOIL 63: 227-237. 1981. BARLEY GRAMINEAE: HORDEUM VULGARE GREENHOUSE, GERMINATION DISHES SODIUM, CHLORIDE, CALCIUM NITRATE UPTAKE, OSMOTIC POTENTIAL, MINERAL COMPOSITION, TRANSPIRATION

517. MAAS, E. V.; CLARK, R. A.; FRANCOIS, L. E. SPRINKLING-INDUCED FOLIAR INJURY TO PEPPER PLANTS: EFFECTS OF IRRIGATION FREQUENCY, DURATION AND WATER COMPOSITION. IRRIG. SCI. 3: 101-109. 1982. PEPPER, BELL SOLANACEAE: CAPSICUM ANNUUM GREENHOUSE, POT SODIUM, CHLORIDE, CALCIUM, SPRINKLER IRRIGATION CHLOROSIS, NECROSIS, FOLIAR INJURY

518. MAAS, E. V.; NIEMAN, R. H. PHYSIOLOGY OF PLANT TOLERANCE TO SALINITY. IN: CROP TOLERANCE TO SUBOPTIMAL LAND CONDITIONS, G. A. JUNG (ED.), AMER. SOC. AGRON. SPEC. PUB. 32 CHAPT. 13: 277-299. 1978.

519. MAC DONALD, J. D. EFFECT OF SALINITY STRESS ON THE DEVELOPMENT OF PHYTOPHTHORA ROOT ROT OF CHRYSANTHEMUM. PHYTOPATHOLOGY 72: 214-219. 1982. CHRYSANTHEMUM COMPOSITAE: CHRYSANTHEMUM MORIFOLIUM POT SODIUM, CHLORIDE, PHYTOPHTHORA ROOT ROT VEGETATIVE GROWTH, ROOT GROWTH

520. MAFTOUN, M.; SEPASKHAH, A. R. EFFECT OF TEMPERATURE AND OSMOTIC POTENTIAL ON GERMINATION OF SUNFLOWER AND SAFFLOWER AND ON HORMONE-TREATED SUNFLOWER SEEDS. CAN. J. PLANT SCI. 58: 295-301. 1978. SUNFLOWER; SAFFLOWER COMPOSITAE: HELIANTHUS ANNUUS, CARTHAMUS TINCTORIUS GERMINATION DISH, GROWTH CHAMBER NATRIUM, CHLORIDE, TEMPERATURE GERMINATION, OSMOTIC POTENTIAL

521. MAFTOUN, M.; SHEIBANY, B. EFFECT OF FLUORINE CONTENT OF IRRIGATION WATER ON THE GROWTH OF FOUR PLANT SPECIES IN

RELATION TO SOIL SALINITY. TROP. AGR. 56: 213-218. 1979. CORN; SUNFLOWER; SOYBEAN; BEAN, MUNG LEGUMINOSAE: VIGNA RADIATA, GLYCINE MAX; GRAMINEAE: ZEA MAYS; COMPOSITAE: HELIANTHUS ANNUUS SOIL, POT FLUORINE, SODIUM, CHLORIDE ROOT GROWTH, VEGETATIVE GROWTH

522. MAHAJAN, T. S.; SONAR, K. R. EFFECT OF SODIUM CHLORIDE AND SODIUM SULFATE ON DRY MATTER ACCUMULATION AND UPTAKE OF NITROGEN, PHOSPHORUS AND POTASSIUM BY WHEAT. J. MAHARASHTRA AGRIC. UNIV. 5: 110-112. 1980. WHEAT GRAMINEAE: TRITICUM AESTIVUM SOIL, POT SODIUM, CHLORIDE, SULFATE VEGETATIVE GROWTH, SODIUM UPTAKE, PHOSPHORUS UPTAKE, POTASSIUM UPTAKE, GRAIN YIELD, STRAW YIELD

523. MAHALL, B. E.; PARK, R. B. THE ECOTONE BETWEEN SPARTINA FOLIOSA TRIN. AND SALICORNIA VIRGINICA L. IN SALT MARSHES OF NORTHERN SAN FRANCISCO BAY. II. SOIL WATER AND SALINITY. J. ECOL. 64: 793-809. 1976. CORDGRASS; GLASSWORT GRAMINEAE: SPARTINA FOLIOSA; CHENOPODIACEAE: SALICORNIA VIRGINICA WATER CULTURE, GREENHOUSE SODIUM, CHLORIDE VEGETATIVE GROWTH, TRANSPIRATION

524. MAHMOUD, E. A.; HILL, M. J. SALT TOLERANCE OF SUGAR BEET (BETA VULGARIS L.) AT VARIOUS TEMPERATURES. Z. ACKER PFLANZEN. 149: 157-166. 1980. BEET, SUGAR CHENOPODIACEAE: BETA VULGARIS SAND, POT SODIUM, CHLORIDE, TEMPERATURE, SEED PRETREATMENT GERMINATION, SEEDLING GROWTH, EMERGENCE

525. MAIER, M.; KAPPEN, L. CELLULAR COMPARTMENTALIZATION OF SALT IONS AND PROTECTIVE AGENTS WITH RESPECT TO FREEZING TOLERANCE OF LEAVES. OECOLOGIA 38: 303-316. 1979. GRASS GRAMINEAE: HALIMIONE PORTULACOIDES POT, SAND, GREENHOUSE SODIUM, CHLORIDE COLD HARDINESS

526. MAKHDUM, M. I.; MUHAMMED, S. SALT TOLERANCE STUDIES ON 3 VARIETIES OF SUNFLOWER PAK. J. SCI. RES. 23:49-54. 1971. SUNFLOWER COMPOSITAE: HELIANTHUS ANNUUS POT, SOIL SODIUM, CALCIUM, CHLORIDE, SULFATE, MAGNESIUM, VARIETY GERMINATION, VEGETATIVE GROWTH, GRAIN YIELD, FLOWER SIZE

527. MALAKANDAIAH, N.; RAJESWARARAO, G. CHANGES IN NITROGEN FRACTIONS AND CARBOHYDRATES BY FOLIAR APPLICATION OF PHOSPHORUS UNDER SALT STRESS IN PEANUT PLANTS (ARACHIS HYPOGAEA L.). TURRIALBA 30: 197-202. 1980. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA POT, SAND PHOSPHATE, CHLORIDE VEGETATIVE GROWTH, NITROGEN, PROTEIN NITROGEN, SUGAR, STARCH, CARBOHYDRATE

528. MALAKONDAIAH, N.; RAJESWARARAO, G. EFFECT OF FOLIAR APPLICATION OF PHOSPHORUS ON GROWTH AND MINERAL COMPOSITION IN PEANUT PLANTS (ARACHIS HYPOGAEA L.) UNDER SALT STRESS. PLANT SOIL 52: 41-48. 1979. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA POT, SAND SODIUM, CHLORIDE, PHOSPHATE VEGETATIVE GROWTH, YIELD, SODIUM UPTAKE, POTASSIUM UPTAKE, CALCIUM UPTAKE, PHOSPHORUS UPTAKE

529. MALAKONDAIAH, N.; RAJESWARARAO, G. EFFECT OF FOLIAR APPLICATION OF PHOSPHORUS ON RNA AND DNA UNDER SALT-STRESS IN PEANUT PLANTS)ARACHIS HYPOGAEA L.). PLANT AND SOIL 53: 251-253. 1979. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA SAND PHOSPHORUS, SODIUM, CHLORIDE RIBONUCLEIC ACID, DESOXYRIBONUCLEIC ACID

530. MALCOLM, C. V. REDUCING SALT DAMAGE FROM SPRINKLER IRRIGATION CALIF. CITROG. 52:122, 124-125. 1967. CITRUS SPRINKLER IRRIGATION, SALINE WATER

531. MALIWAL, G. L. A KULONBOZO MINOSEGU ONTOZOVIZ HATASA A PARADICSOM TERMESERE, KEMIAI OSSZETETELERE ES A MINOSEGERE. YIELD, CHEMICAL COMPOSITION AND QUALITY OF TOMATO AS AFFECTED BY DIFFERENT QUALIY IRRIGATION WATER. (HUN; ENG SUM). AGROKEMIA ES TALAJTAN 24: 53-60. 1975. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM FIELD SODIUM, CHLORIDE, CALCIUM FRUIT YIELD, MINERAL UPTAKE, PROTEIN, CARBOHYDRATE, VEGETATIVE GROWTH

532. MALIWAL, G. L.; PALIWAL, K. V. SALT TOLERANCE STUDIES ON SOME VARIETIES OF MAIZE AT GERMINATION STAGE. SCI. CULT. 38: 446-447. 1972. CORN GRAMINEAE: ZEA MAYS GERMINATION DISH SODIUM, CHLORIDE GERMINATION, EMERGENCE

533. MANCHANDRA, H. R.; SHARMA, S. K. DIFFERENTIAL EFFECTS OF CHLORIDE AND SULPHATE SOIL SALINITY IN CHICKPEA. IN: INTERNATIONAL CHICKPEA NEWSLETTER. 3: 7-8. 1980. PEA, CHICK LEGUMINOSAE: CICER ARIETINUM GREENHOUSE, SAND, POT SODIUM, SULFATE, CALCIUM YIELD, VEGETATIVE GROWTH

534. MANGAL, J. L.; SINGH, K.; GUPTA, U. S. EFFECT OF SODIUM SALTS ON EMERGENCE AND GROWTH OF OKRA (ABELMOSCHUS ESCULENTUS (L.) MOENCH) VARIETIES. CURR. AGRIC. 2: 69-72. 1978. OKRA MALVACEAE: ABELMOSCHUS ESCULENTUS POT, SOIL SODIUM, CHLORIDE, SULFATE VEGETATIVE GROWTH, LEAF FREQUENCY, HEIGHT, EMERGENCE, ROOT GROWTH

535. MANIS, W. E.; KNIGHT, R. J., JR., SALT-HAZE TOLERANCE OF MANGO CULTIVARS AT THE U. S. PLANT INTRODUCTION STATION, MIAMI, FLORIDA. PROC. AMER. SOC. HORT. SCI., TROP. REGION 11:121-130. 1968. MANGO ANACARDIACEAE: MANGIFERA INDICA FIELD, SOIL SALT SPRAY, SEA WATER VISUAL SYMPTOMS

536. MARGOLINA, K. P. PRE-SOWING RAISING OF SALT TOLERANCE OF SUGARBEET. (RUS). TR. IN-TA FIZIOL RAST. IM K. A. TRIMIRYAZEVA AN SSSR. VII VYPI: 202-219 19 50. BEET, SUGAR CHENOPODIACEAE: BETA VULGARIS SEED PRETREATMENT, SODIUM, CHLORIDE GERMINATION, WATER CONTENT, PHOTOSYNTHESIS, TRANSPIRATION, CHLOROPHYLL, BEET YIELD

537. MARLATT, R. B. BORON DEFICIENCY AND TOXICITY SYMPTOMS IN FICUS ELASTICA 'DECORA' AND CHRYSALIDOCARPUS LUTESCENS. HORT. SCI. 13: 442-443. 1978. RUBBER PLANT; YELLOW PALM MORACEAE: FICUS ELASTICA; PALMAE: CHRYSALIDOCARPUS LUTESCENS SAND, POT BORON LEAF INJURY

538. MAROUSKY, F. J. SYMPTOMOLOGY OF FLUORIDE AND BORON INJURY IN LILIUM LONGIFLORUM THUNB. J. AMER. SOC. HORT. SCI. 106: 341-344. 1981. LILY, TRUMPET LILIACEAE: LILIUM LONGIFLORUM POT, SOIL, GREENHOUSE FLUORIDE, BORON, DICALCIUM PHOSPHATE, SUPERPHOSPHATE LEAF INJURY, HEIGHT, FLOWERING, FLUORIDE UPTAKE, BORON UPTAKE

539. MARSCHNER, H.; KUIPER, P. J. C.; KYLIN, A. GENOTYPIC DIFFERENCES IN THE RESPONSE OF SUGAR BEET PLANTS TO REPLACEMENT OF POTASSIUM BY SODIUM. PHYSIOL. PLANT. 51: 239-244. 1981. BEET, SUGAR CHENOPODIACEAE: BETA VULGARIS WATER CULTURE SODIUM, POTASSIUM, VARIETY VEGETATIVE GROWTH, CARBOHYDRATE REDUCING SUGAR, SUCROSE, STARCH

540. MARSCHNER, H.; KYLIN, A.; KUIPER, P. J. C. DIFFERENCES IN SALT TOLERANCE OF THREE SUGAR BEET GENOTYPES. PHYSIOL. PLANT. 51: 234-238. 1981. BEET, SUGAR CHENOPODIACEAE: BETA VULGARIS WATER CULTURE SODIUM, CHLORIDE, VARIETY VEGETATIVE GROWTH, MINERAL COMPOSITION, ROOT GROWTH, SHOOT GROWTH

541. MARTY, R. S.; PATWARDHAN, N. K. DEFICIENCY, STIMULATION AND TOXIC EFFECTS OF BORON AND MANGANESE ON TOBACCO. J. INDIAN SOC. SOIL SCI. 12:423-429. 1964. TOBACCO SOLANACEAE: NICOTIANA TABACUM WATER CULTURE, SAND CULTURE, POT BORON, MANGANESE TOXICITY SYMPTOM

542. MARX, J. L. PLANTS: CAN THEY LIVE IN SALT WATER AND LIKE IT? SCIENCE 206: 1168-1169. 1979. SALINE SOIL, SALINE WATER SALT TOLERANCE, GENETIC INTERACTION

543. MASCARENHAS, H. A. A.; FALIVENE, S. M. P.; HIROCE, R.; MANFREDINI, S.; ANGELOCCI, L. R. EFEITOS DA SALINIDADE DO SOLO SOBRE DOIS CULTIVARES DE SOJA. SOIL SALINITY EFFECTS ON TWO SOYBEANS CULTIVARS. (POR; ENG SUM). REVISTA BRASILEIRA DE CIENCIA DO SOLO 5: 105-109. 1981. SOYBEAN LEGUMINOSAE: GLYCINE MAX GREENHOUSE SODIUM, CHLORIDE CHLOROSIS, VEGETATIVE GROWTH

544. MASHHADY, A. S.; ROWELL, D. L. SOIL ALKALINITY. II. THE EFFECTS OF NA2CO3 ON IRON AND MANGANESE SUPPLY TO TOMATOES. J. SOIL SCI. 29:367-372. 1978. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM POT, SAND, GREENHOUSE SODIUM, CARBONATE, IRON, MANGANESE, FOLIAR SPRAY VEGETATIVE GROWTH

545. MASKINA, M. S.; SAINI, S. S.; SHAHI, H. N. SCREENING OF RICE GERMPLASM FOR TOLERANCE TO ALKALINITY. INDIAN J. AGRIC. SCI. 49: 659-663. 1979. RICE GRAMINEAE: ORYZA SATIVA FIELD PLOT SODIUM, CHLORIDE YIELD, VEGETATIVE GROWTH, SEED WEIGHT

546. MATHUR, A. K.; GANAPATHY, P. S.; JOHRI, B. M. ISOLATION OF SODIUM CHLORIDE-TOLERANT PLANTLETS OF KICKXIA RAMOSISSIMA UNDER IN VITRO CONDITIONS. Z. PFLANZENPHYSIOL. 99: 287-294. 1980. SCROPHULARIACEAE: KICKXIA RAMOSISSIMA TEST TUBE, WATER CULTURE SODIUM, CHLORIDE SHOOT GROWTH, LEAF FREQUENCY, NODULATION, LEAF THICKNESS

547. MATHUR, C. M.; MOGHE, V. G.; KHETAWAT, G. K. STUDIES ON THE SALT TOLERANCE OF VARIOUS IMPROVED WHEAT VARIETIES AT GERMINATION AND SEEDLING STAGE IN SODIUM CHLORIDE AND SODIUM SULPHATE SOLUTIONS. LABDEV. J. SCI. TECHNOL. 5: 254-257. 1967. WHEAT GRAMINEAE: TRITICUM AESTIVUM GERMINATION DISHES SODIUM, CHLORIDE, SULFATE GERMINATION, ROOT GROWTH, SHOOT GROWTH, EMERGENCE

548. MATSUDA, K.; RIAZI, A. STRESS-INDUCED OSMOTIC ADJUSTMENT IN GROWING REGIONS OF BARLEY LEAVES. PLANT PHYSIOL. 68: 571-576. 1981. BARLEY GRAMINEAE: HORDEUM VULGARE VERMICULITE, WATER CULTURE SODIUM, CHLORIDE, POLYETHYLENE GLYCOL LEAF GROWTH, WATER POTENTIAL, OSMOTIC POTENTIAL

549. MAURYA, D. M; DWIVEDI, K. N.; SINGH, H. G. VARIETAL TOLERANCE IN PADDY (ORYSA SATIVA L.) TO SALINE-ALKALI SOILS. ORYZA 13:135-137. 1976. RICE GRAMINEAE: ORYZA SATIVA FIELD PLOT, SOIL VARIETY, SALINE-ALKALI SOIL GRAIN YIELD

550. MAYAK, S.; KOFRANEK, A. M.; TIROSH, T. THE EFFECT OF INORGANIC SALTS ON THE SENESCENCE OF DIANTHUS CARYOPHYLLUS FLOWERS. PHYSIOL. PLANT. 43: 282-286. 1978. CARNATION CARYOPHYLLACEAE: DIANTHUS CARYOPHYLLUS TEST TUBE, GREENHOUSE, WATER CULTURE SODIUM, SALINE WATER OSMOTIC POTENTIAL, WILTING

551. MC CONNELL, D. B.; JOINER, J. N.; JOHNSON, C. R. INFLUENCE OF SALINITY LEVELS ON GROWTH AND CHEMICAL COMPOSITION OF LIVISTONA CHINENSIS. HORTSCIENCE 13: 706-707. 1978. PALM, CHINESE FAN PALMAE: LIVISTONA CHINENSIS WATER CULTURE, SOIL, GREENHOUSE SODIUM, MAGNESIUM, CHLORIDE MINERAL COMPOSITION, SODIUM UPTAKE, VEGETATIVE GROWTH

552. MC GRAW, D. C.; UNGAR, I. A. GROWTH AND SURVIVAL OF THE HALOPHYTE SALICORNIA EUROPAEA UNDER SALINE FIELD CONDITIONS. OHIO J. SCI. 81: 109-113. 1981. SAMPHIRE CHENOPODIACEAE: SALICORNIA EUROPAEA FIELD PLOT SALINE SOIL

GERMINATION, SHOOT GROWTH, ROOT GROWTH, VEGETATIVE GROWTH

553. MC GUIRE, P. E.; DVORAK, J. HIGH SALT-TOLERANCE POTENTIAL IN WHEATGRASSES. CROP SCI. 21: 702-705. 1981. WHEATGRASS GRAMINEAE: AGROPYRON, ELYTRIGIA, ELYMUS WATER CULTURE SODIUM, CHLORIDE GERMINATION, SEEDLING GROWTH, VEGETATIVE GROWTH

554. MC MAHON, K. A.; UNGAR, I. A. PHENOLOGY, DISTRIBUTION AND SURVIVAL OF ATRIPLEX TRIANGULARIS WILLD. IN AN OHIO SALT PAN. AMER. MIDLAND NATUR. 100: 1-14. 1978. SALTBUSH CHENOPODIACEAE: ATRIPLEX TRIANGULARIS FIELD, SOIL SALINE SOIL VEGETATIVE GROWTH, ROOT GROWTH, SHOOT GROWTH, GERMINATION, FLOWERING

555. MC MILLON, B. SALT-TOLERANT PLANTS. GARDEN 5: 20-22. 1981. FIELD DROUGHT, SALINE SOIL

556. MC WILLIAM, J. R.; PHILLIPS, P. J. EFFECT OF OSMOTIC AND MATRIC POTENTIALS ON THE AVAILABILITY OF WATER FOR SEED GERMINATION. AUST. J. BIOL. SCI. 24: 423-431. 1971. RYEGRASS; CANARY GRASS GRAMINEAE: PHALARIS TUBEROSA, LOLIUM PERENNE GERMINATION DISHES POLYETHYLENE GLYCOL GERMINATION

557. MEHTA, P. C.; PUNTAMKAR, S. S.; JAIN, S. V. EFFECT OF GYPSUM ON SOIL PROPERTIES AND GROWTH OF WHEAT ON SALINE SODIC SOILS IRRIGATED WITH HIGH BICARBONATE WATER. CURR. AGRIC. 1: 37-40. 1977. WHEAT GRAMINEAE: TRITICUM AESTIVUM FIELD PLOT, SOIL GYPSUM, CALCIUM, SULFATE, BICARBONATE GRAIN YIELD

558. MEHTA, P. C.; PUNTAMKAR, S. S.; SETH, S. P. EFFECT OF PRE-SOAKING OF SEEDS IN DIFFERENT SALTS WITH VARYING CONCENTRATION ON THE GERMINATION AND YIELD OF WHEAT GROWN ON SALINISED SOIL. J. INDIAN SOC. SOIL SCI. 27: 99-100. 1979. WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, SOIL SODIUM, CHLORIDE GERMINATION, YIELD

559. MEIRI, A.; PLAUT, Z.; PINCAS, L. SALT TOLERANCE OF GLASSHOUSE-GROWN MUSKMELON. SOIL SCI. 131: 189-193. 1981. MUSKMELON CUCURBITACEAE: CUCUMIS MELO GREENHOUSE, SAND SODIUM, CHLORIDE, CALCIUM FRUIT YIELD, FRUIT WEIGHT

560. MENARY, R. C.; ALLAN, P. EFFECT OF CHLORIDE ON NITRATE ACCUMULATION IN PAPAW (CARICA PAPAYA). AUST. J. PLANT PHYSIOL. 6: 241-247. 1979. PAPAYA CARICACEAE: CARICA PAPAYA POT, SOIL, GREENHOUSE POTASSIUM, CHLORIDE CHLORIDE UPTAKE, NITRATE REDUCTASE ACTIVITY, NITRATE UPTAKE

561. MERCADO, B. T.; MALABAYABAS, C.; GUMASING, S. RESPONSES OF SOME LOWLAND WEED SPECIES TO SALINITY. PART I. SCIRPUS-MARITIMUS TO SODIUM CHLORIDE. PHILIPP AGRIC. 55:253-259. 1971. BULRUSH, RIVER CYPERACEAE: SCIRPUS FLUVIATILIS GERMINATION DISHES, POT, SOIL SODIUM, CHLORIDE GERMINATION, SODIUM UPTAKE, CHLORIDE UPTAKE, TUBER YIELD

562. MERT, H. H.; VARDAR, Y. SALINITY, OSMOTIC PRESSURE AND TRANSPIRATION RELATIONSHIPS OF SALICORNIA HERBACEA IN ITS NATURAL HABITAT. PHYTON ANN.. BOT. 18: 71-78. 1977. HALOPHYTE CHENOPODIACEAE: SALICORNIA HERBACEA FIELD, SOIL SEA WATER TRANSPIRATION, OSMOTIC PRESSURE

563. METWALLY, A. I.; EL-DAMATY, A.; MOUSTAFA, M. SALT INFLUENCE ON NITRATE AND PHOSPHATE UPTAKE BY BROAD BEANS AND BARLEY IN SAND CULTURE. Z. PFLANZENERNAEHR. BODENKD. 141: 411-418. 1978. BEAN, BROAD; BARLEY LEGUMINOSAE: VICIA

FABA; GRAMINEAE: HORDEUM VULGARE SAND, POT CALCIUM, POTASSIUM, CHLORIDE, SULFATE, NITRATE, MAGNESIUM, PHOSPHATE NITROGEN UPTAKE, PHOSPHORUS UPTAKE, VEGETATIVE GROWTH, ROOT GROWTH

564. MIGUNOVA, E. S. ROOT SYSTEMS OF TREE SPECIES ON SALTY SOILS IN SOUTH UKRAINE. (RUS; ENG SUM). LESOVEDENIE 6: 27-36. 1976. LOCUST, BLACK; ELM, SIBERIAN; ASH, GREEN; ARBORVITAE, ORIENTAL LEGUMINOSAE: ROBINIA PSEUDOACACIA; ULMACEAE: ULMUS PUMILA; OLEACEAE: FRAXINUS LANCEOLATA; CUPRESSACEAE: THUJA ORIENTALIS FIELD, SOIL SULFATE, CHLORIDE ROOT GROWTH

565. MIKA, V. VARIETAL DIFFERENCES IN SODIUM ABSORPTION BY GRASSES. SCI. AGRIC. BOHEMOSLOV. 12: 9-14. 1980. ORCHARD GRASS; RYEGRASS, ITALIAN GRAMINEAE: DACTYLIS GLOMERATA, LOLIUM MULTIFLORUM POT, SAND SODIUM, CHLORIDE SODIUM UPTAKE

566. MILES, L. J.; PARKER, G. R. EFFECTS OF SOIL-ADDED CL ON GROWTH OF ANDROPOGON SCOPARIUS AND POSSIBLE IMPLICATIONS FOR HEAVY METAL RESEARCH. PLANT SOIL 51: 69-72. 1979. BLUESTEM GRAMINEAE: SCHIZACHYRIUM SCOPARIUM SAND, POT, GREENHOUSE SODIUM, CHLORIDE VEGETATIVE GROWTH, HEIGHT

567. MILFORD, G. F. J.; CORMACK, W. F.; DURRANT, M. J. EFFECTS OF SODIUM CHLORIDE ON WATER STATUS AND GROWTH OF SUGARBEETS. J. EXP. BIOL. 28: 1380-1388. 1977. BEET, SUGAR CHENOPODIACEAE: BETA VULGARIS GREENHOUSE, SOIL, POT, GROWTH CHAMBER SODIUM, CHLORIDE SODIUM UPTAKE, POTASSIUM UPTAKE, VEGETATIVE GROWTH, LEAF WATER CONTENT, TRANSPIRATION, PHOTOSYNTHESIS, LEAF DIFFUSIVE CONDUCTANCE, CARBOHYDRATE

568. MILLAN, A. J.; SILVA, J. C.; GALVAO, J. D. SELECAO VISANDO A TOLERANCIA A SALINIDADE CAUSADA POR SULFATO DE AMONIO NA VARIEDADE DE MILHO 'PIRANAO.' SELECTION OF THE PIRANAO MAIZE VARIETY IN VIEW OF TOLERANCE TO SALINITY CAUSED BY AMMONIUM SULFATE (POR; ENG SUM) REV. CERES 24: 386-393. 1977. CORN GRAMINEAE: ZEA MAYS GREENHOUSE, POT, SOIL AMMONIUM, SULFATE EMERGENCE, VEGETATIVE GROWTH

569. MILLER, T. R.; CHAPMAN, S. R. GERMINATION RESPONSES OF THREE FORAGE GRASSES TO DIFFERENT CONCENTRATIONS OF SIX SALTS. J. RANGE MANAGE. 31: 123-124. 1978. WHEATGRASS, TALL; FESCUE, TALL; CANARY GRASS, REED GRAMINEAE: AGROPYRON ELONGATUM, FESTUCA ELATIOR, PHALARIS ARUNDINACEA GERMINATION DISHES, GERMINATOR SODIUM, CHLORIDE, SULFATE, MAGNESIUM, POTASSIUM GERMINATION

570. MISHRA, B.; GILL, K. S. SELECTION OF SUGARCANE (SACCHARUM OFFICINARUM) VARIETIES FOR SODIC SOIL. CURR. AGRIC. 2: 31-34. 1978. SUGARCANE GRAMINEAE: SACCHARUM OFFICINARUM FIELD, SOIL VARIETY, SODIC SOIL, GYPSUM, CALCIUM, SULFATE CANE YIELD, SUCROSE

571. MISHRA, B.; JOSHI, Y. C. NOTE ON STUDIES ON TOLERANCE OF TURNIP VARIETIES TO SODICITY. CURR. AGRIC. 3: 235-237. 1979. TURNIP CRUCIFERAE: BRASSICA RAPA FIELD, SOIL SODIC SOIL ROOT YIELD, SHOOT YIELD

572. MISHRA, B.; JOSHI, Y. C.; SARIN, M. N. GROWING TURNIP AND SPINACH ON SALINE SODIC SOILS. INDIAN HORTIC. 18: 13-14. 1973. TURNIP; SPINACH CRUCIFERAE: BRASSICA RAPA; CHENOPODIACEAE: SPINACIA OLERACEA PLOT GYPSUM, SODIUM, CHLORIDE ROOT GROWTH, YIELD

573. MISHRA, B.; SARIN, M. N. PERFORMANCE OF SOME WHEAT (AESTIVUM) VARIETIES IN SODIC SOIL. CURR. AGRIC. 2: 27-30. 1978.

WHEAT GRAMINEAE: TRITICUM AESTIVUM FIELD, SOIL SODIC SOIL, VARIETY GRAIN YIELD

574. MIYAMOTO, S. TOLERANCE OF SOME SOUTHWESTERN RANGE PLANTS TO SODIUM CHLORIDE AND SULFATE. TEX. AGRIC. EXPT. STN. PROG. REP. 3480: 1-8. 1978. SALTBRUSH, FOURWING; GALLETA; GRAMA, BLUE; ALKALI SACATON CHENOPODIACEAE: ATRIPLEX CANESCENS; GRAMINEAE: SPOROBOLUS AIROIDES, BOUTELOUA GRACILIS, HILARIA JAMESII GERMINATION DISH, POT, SAND, GREENHOUSE SODIUM, CHLORIDE, SULFATE GERMINATION, VEGETATIVE GROWTH

575. MIYAMOTO, S.; SOSNOVSKE, K.; TIPTON, J. SALT AND WATER STRESS EFFECTS ON GERMINATION OF GUAYULE SEEDS. AGRON. J. 74: 303-307. 1982. GUAYULE COMPOSITAE: PARTHENIUM ARGENTATUM GERMINATION DISHES, SOIL SODIUM, CHLORIDE GERMINATION

576. MIZRACHI, D.; PANNIER, R.; PANNIER, F. ASSESSMENT OF SALT RESISTANCE MECHANISMS AS DETERMINANT PHYSIO ECOLOGICAL PARAMETERS OF ZONAL DISTRIBUTION OF MANGROVE SPECIES. 1. EFFECT OF SALINIY STRESS ON NITROGEN METABOLISM BALANCE AND PROTEIN SYNTHESIS IN THE MANGROVE SPECIES RHIZOPHORA MANGLE AND AVICENNIA NITIDA. BOT. MAR. 23: 289-296. 1980. MANGROVE, AMERICAN; MANGROVE RHIZOPHORACEAE: RHIZOPHORA MANGLE; AVICENNIACEAE: AVICENNIA NITIDA GROWTH CHAMBER, WATER CULTURE SEA WATER CHLORIDE UPTAKE, PROTEIN, NITROGEN, LEUCINE

577. MOBAYEN, R. G.; MILTHORPE, F. L. RESPONSE OF SEEDLINGS OF THREE CITRUS-ROOTSTOCK CULTIVARS TO SALINITY. AUST. J. AGRIC. RES. 31: 117-124. 1980. ORANGE, TRIFOLIATE; ORANGE, MANDARIN RUTACEAE: PONCIRUS TRIFOLIATA, CITRUS RETICULATA GREENHOUSE, SAND, POT SODIUM, CHLORIDE, SULFATE VEGETATIVE GROWTH, GROWTH RATE, MINERAL COMPOSITION, SODIUM UPTAKE, ASSIMILATION

578. MOELJOPAWIRO, S.; IKENHASHI, H. INHERITANCE OF SALT TOLERANCE IN RICE. EUPHYTICA 30: 291-300. 1981. RICE GRAMINEAE: ORYZA SATIVA GREENHOUSE, SOIL SODIUM, CHLORIDE GENETIC INTERACTION, HEREDITY, YIELD

579. MONDAL, R. C. A NOTE ON THE EFFECT OF SOIL CACO3 ON WHEAT AND RICE YIELD IN SODIC SOIL. J. INDIAN SOC. SOIL SCI. 28: 129-130. 1980. WHEAT; RICE GRAMINEAE: TRITICUM AESTIVUM, ORYZA SATIVA POT CALCIUM, CARBONATE, SODIC SOIL GRAIN YIELD, STRAW YIELD

580. MONDAL, R. C.; SHARMA, D. R. EFFECT OF LONG-TERM USE OF SALINE IRRIGATION WATER ON WHEAT YIELD AND SOIL SALINITY. INDIAN J. AGRIC. SCI. 49: 546-550. 1979. WHEAT GRAMINEAE: TRITICUM AESTIVUM LYSIMETER, SOIL, SAND SODIUM, MAGNESIUM, CALCIUM, CHLORIDE, SULFATE, BICARBONATE GRAIN YIELD

581. MONTFORT, C.; BRANDRUP. W. PHYSIOLGISCHE UND PFLANZENGEOGRAPHISCHE SEESALZWIRKUNGEN. III. VERGLEICHENDE UNTERSUCHUNGEN DER SALZWACHSTUMSREAKTIONEN VON WURZELN. PHYSIOLOGICAL AND GEOGRAPHIC EFFECTS OF SEA-SALT. III. COMPARATIVE STUDY OF GROWTH REACTIONS CAUSED BY SALT IN ROOTS. (GER). JAHRB. WISS. BOT. 67: 105-173. 1927. HALOPHYTE; PEA; CORN; CRESS, GARDEN; MILFOIL; GRASS, DITCH LEGUMINOSAE: PISUM SATIVUM$ GRAMINEAE: ZEA MAYS$ CRUCIFERAE$ LEPIDIUM SATIVUM$ HALORAGACEAE: MYRIOPHYLLUM SPICATUM$ COMPOSITAE: ASTER TRIPOLIUM$ RUPPIACEAE: RUPPIA ROSTELLATA WATER CULTURE, FIELD SEA WATER, SODIUM, CHLORIDE ROOT GROWTH, SHOOT GROWTH, SALT TOLERANCE, RHIZOBIUM

582. MOORE, J.; MURPHY, J. M. SPRINKLER IRRIGATION WITH SALINE WATER IN WEST TEXAS. TEXAS AGRIC. PROGRESS 24: 26-27. 1978. ALFALFA; SORGHUM; COTTON; BEAN; SUNFLOWER LEGUMINOSAE: PHASEOLUS VULGARIS, MEDICAGO SATIVA; GRAMINEAE: SORGHUM BICOLOR; COMPOSITAE: HELIANTHUS ANNUUS; MALVACEAE: GOSSYPIUM

583. MOORE, P. CROPS FOR THE DESERT. NATURE 272: 14-15. 1978. WHEAT; BARLEY GRAMINEAE: TRITICUM AESTIVUM, HORDEUM VULGARE

584. MORARD, P.; GARCIA, M. LA SALINITE DUE AU CHLORURE DE SODIUM ET LES VEGETAUX SUPERIEURS. SODIUM CHLORIDE SOIL SALINITY AND HIGHER PLANTS. (FRE). FRUITS 32: 263-267. 1977.

585. MORARD, P.; GARCIA, M.; KHERADMANDI, M. INCIDENCE DE DOSES CROISSANTES DE SELS MINERAUX DE LA SOLUTION NUTRITIVE SUR LA CROISSANCE D'UN TABAC D'ORIENT. EFFECT OF INCREASING DOSES OF MINERAL SALTS OF THE NUTRIENT SOLUTION ON THE GROWTH OF AN ORIENTAL VARIETY OF TOBACCO. (FRE.) BULL. SOC. HIST. NAT. TOULOUSE 115: 7-14. 1979. TOBACCO, ORIENTAL SOLANACEAE: NICOTIANA WATER CULTURE SODIUM, CHLORIDE, SULFATE VEGETATIVE GROWTH, LEAF GROWTH, ROOT GROWTH

586. MOSER, B. C. AIRBORNE SALT SPRAY - TECHNIQUES FOR EXPERIMENTATION AND ITS EFFECTS ON VEGETATION. PHYTOPATHOLOGY 69: 1002-1006. 1979. BEAN; PINE, WHITE; PINE, JAPANESE BLACK PINACEAE: PINUS STROBUS, PINUS THUNBERGIANA FIELD, POT, WIND TUNNEL SALT SPRAY, COOLING TOWER SODIUM UPTAKE, CHLORIDE UPTAKE, VISUAL SYMPTOMS

587. MOURSI, M. A.; ABD EL-GAWAD, A. A.; IBRAHIM, K. M.; EL-SHOURBAGY, M. A. PASTURE PRODUCTIVITY IN NORTH WEST COASTAL REGION IN EGYPT. 5. CHEMICAL COMPOSITION OF TALL WHEAT GRASS AGROPYRON ELONGATUM (HOSTIBEAUV.) AS AFFECTED BY SALINITY. EGYPT. J. AGRON. 2: 115-128. 1977. WHEATGRASS, TALL GRAMINEAE: AGROPYRON ELONGATUM PLOT, SOIL SODIUM, CHLORIDE, CALCIUM, MAGNESIUM, VARIETY NITROGEN, PROTEIN NITROGEN, MINERAL COMPOSITION, CARBOHYDRATE, ETHER EXTRACT, ASH

588. MOURSI, M. A.; ABD EL-GAWAD, A.; EL-SHOURBAGY, M. A. PASTURE PRODUCTIVITY IN NORTH WEST COASTAL REGION IN EGYPT. 4. GERMINATION, GROWTH AND YIELD OF TALL WHEAT GRASS (AGROPYRON ELONGATUM (HOST) BEAUV) UNDER DIFFERENT SALINITY LEVELS. EGYPT J. AGRON. 2: 103-114. 1977. WHEATGRASS, TALL GRAMINEAE: AGROPYRON ELONGATUM PLOT, SOIL SODIUM, CHLORIDE, CALCIUM, MAGNESIUM, VARIETY VEGETATIVE GROWTH, GERMINATION, SEEDLING GROWTH, LEAF AREA, HEIGHT, SEED WEIGHT, SHOOT GROWTH, ROOT GROWTH

589. MOURSI, M. A.; RIZK, I. Y.; EL-TABBAKH, A. E.; HEGAZI, A. M. EFFECT OF SOIL SALINITY ON THE LEVEL OF NUCLEIC ACIDS IN RICINUS COMMUNIS L. AND HYOSCYAMUS MUTICUS L. PLANTS DURING THEIR GROWTH. EGYPT. J. AGRON. 2: 15-20. 1977. BEAN, CASTOR; HENBANE EUPHORBIACEAE: RICINUS COMMUNIS; SOLANACEAE: HYOSCYAMUS MUTICUS POT, SAND SODIUM, CHLORIDE DESOXYRIBONUCLEIC ACID, RIBONUCLEIC ACID

590. MOXLEY, M. G.; BERG, W. A.; BARRAU, E. M. SALT TOLERANCE OF FIVE VARIETIES OF WHEATGRASS DURING SEEDLING GROWTH. J. RANGE MAN. 31:54-55. 1978. WHEATGRASS, WESTERN; WHEATGRASS, THICKSPIKE; WHEATGRASS, TALL GRAMINEAE: AGROPYRON SMITHII, AGROPYRON ELONGATUM, AGROPYRON DASYSTACHYUM POT, SOIL SODIUM, CALCIUM, CHLORIDE SEEDLING GROWTH

591. MROZEK, E. JR. EFFECT OF MERCURY AND CADMIUM ON GERMINATION OF SPARTINA ALTERNIFLORA LOISEL SEEDS AT VARIOUS SALINITIES. ENVIRON. EXP. BOT. 20: 367-377. 1980. MARSH GRASS GRAMINEAE: SPARTINA ALTERNIFLORA GERMINATION DISHES, GROWTH CHAMBER MERCURY, CADMIUM GERMINATION

592. MROZEK, E.; FUNICELLI, N. A. EFFECT OF ZINC AND LEAD ON GERMINATION OF SPARTINA ALTERNIFLORA LOISEL SEEDS AT VARIOUS SALINITIES. ENVIRON. EXP. BOT. 22: 23-32. 1982. CORDGRASS, SMOOTH GRAMINEAE: SPARTINA ALTERNIFLORA WATER CULTURE ZINC, LEAD, SODIUM, CHLORIDE GERMINATION

593. MUDIE, P. J.; SCHMITT, W. R.; LUARD, E. J.; RUTHERFORD, J. W.; WOLFSON, F. H. PRELIMINARY STUDIES ON SEAWATER IRRIGATION. HALOPHYTE RES. PROG. SCRIPPS INST. OCEANOGR. PUB. NO. 1: 97 PP. 1972. BEET, RED; BEET, SUGAR; CHARD; SPINACH, NEW ZEALAND; ASPARAGUS; BARLEY, WILD; TOMATO, CHERRY; TOMATO; PALM, CANARY ISLAND; BEARS-BREECH; CELERY; FLAX, NEW ZEALAND; POMEGRANATE; COTTON CHENOPODIACEAE: BETA VULGARIS, BETA VULGARIS VAR CICLA, BETA MARITIMA; AIZOACEAE: TETRAGONIA EXPANSA; LILIACEAE: ASPARAGUS OFFICINALIS; GRAMINEAE: HORDEUM VULGARE, HORDEUM HYSTRIX; UMBELLIFERAE: APIUM GRAVEOLENS; SOLANACEAE: LYCOPERSICON CERASIFORME, LYCOPERSICON ESCULENTUM; PALMACEAE: PHOENIX CANARENSIS; AGAVACEAE: PHORMIUM TENAX; MALVACEAE: GOSSYPIUM HIRSUTUM; PUNICACEAE: PUNICA GRANATUM; ACANTHACEAE: ACANTHUS MOLLIS POT, WATER CULTURE SEA WATER VEGETATIVE GROWTH, SALT TOLERANCE

594. MULCHI, C. L.; ARMBRUSTER, J. A. RESPONSE OF CORN AND SOYBEANS TO SIMULATED SALINE AEROSOL DRIFT FROM BRACKISH WATER COOLING TOWERS. J. ENVIRON. QUAL. 10: 541-547. 1981. CORN; SOYBEAN GRAMINEAE: ZEA MAYS; LEGUMINOSAE: GLYCINE MAX FIELD PLOT SODIUM, CHLORIDE, BRACKISH WATER, SALT SPRAY SEEDLING GROWTH, VEGETATIVE GROWTH, SODIUM UPTAKE, CHLORIDE UPTAKE

595. MULCHI, C. L.; ARMBRUSTER, J. A.; WOLF, D. C. CHALK POINT: A CASE STUDY OF THE IMPACT OF BRACKISH WATER COOLING TOWERS ON AN AGRICULURAL ENVIRONMENT. J. ENVIRON. QUAL. 11: 212-220. 1982. CORN; SOYBEAN GRAMINEAE: ZEA MAYS; LEGUMINOSAE: GLYCINE MAX FIELD PLOT BRACKISH WATER, COOLING TOWER, SALT SPRAY SODIUM UPTAKE, CALCIUM UPTAKE, MINERAL COMPOSITION

596. MULCHI, C. L.; WOLF, D. C.; FOSS, J. E.; ARMBRUSTER, J. A. CHALK POINT COOLING TOWER PROJECT. PREOPERATIONAL REPORT: COOLING WATER EFFECT ON CROPS AND SOILS. WWRC SPC. REP. MD. UNIV. WATER RESOUR. RES. CENT. 1: 99 PP. 1976. TOBACCO; SOYBEAN; CORN; WHEAT; OATS; BARLEY; FESCUE, TALL GRAMINEAE: ZEA MAYS, TRITICUM AESTIVUM, FESTUCA ELATIOR, HORDEUM VULGARE, AVENA SATIVA; LEGUMINOSAE: GLYCINE MAX; SOLANACEAE: NICOTIANA TABACUM FIELD SALT SPRAY YIELD, CHLORIDE UPTAKE, MINERAL COMPOSITION

597. MULLER, F. B.; MCSWEENEY, G. TOXICITY OF BORATES TO TURNIPS. N.Z. J. EXPT. AGRIC. 4:451-455. 1976. TURNIP CRUCIFERAE: BRASSICA RAPA SOIL, POT SODIUM, BORON SEEDLING GROWTH, BORON UPTAKE, VEGETATIVE GROWTH

598. MULLER, M.; SANTARIUS, K. A. CHANGES IN CHLOROPLAST MEMBRANE LIPIDS DURING ADAPTATION OF BARLEY TO EXTREME SALINITY. PLANT PHYSIOL. 62:326-329. 1978. BARLEY GRAMINEAE: HORDEUM VULGARE GROWTH CHAMBER, WATER CULTURE POLYETHYLENE GLYCOL, SODIUM, CHLORIDE LIPID, CYCLIC PHOTOPHOSPHORYLATION, CHLOROPHYLL, GALACTOSE

599. MURCH, R. S.; PAXTON, J. D. RHIZOSPHERE SALINITY AND PHYTOALEXIN ACCUMULATION IN SOYBEAN. PLANT SOIL 54: 163-167. 1980. SOYBEAN LEGUMINOSAE: GLYCINE MAX RHIZOSPHERE, POT SODIUM, CHLORIDE, SULFATE, CALCIUM, MAGNESIUM, PHYTOPHTHORA MEGASPERMA GLYCEOLLIN, SODIUM UPTAKE, CALCIUM UPTAKE, MAGNESIUM UPTAKE, PHYTOALEXIN

600. MURTHY, A. S. P.; BHAT, G. G.; SARATKUMAR, E. R. A MEXICAN WHEAT AND ITS TOLERANCE TO SALINE WATER IRRIGATION. MYSORE J. AGR. SCI. 12: 377-380. 1978. WHEAT GRAMINEAE: TRITICUM AESTIVUM SOIL, FIELD PLOT SODIUM, CALCIUM, CHLORIDE, SULFATE, BICARBONATE GRAIN YIELD, PROTEIN

601. MURTHY, A. S. P.; VENKATA RAMU, M. N.; YADAV, J. S. P. EFFECT OF SALINE WATER IRRIGATION ON SODIUM AND POTASSIUM UPTAKE IN UP 301 WHEAT (TRITICUM AESTIVUM L.). ANN. ARID ZONE 18: 62-67. 1979. WHEAT GRAMINEAE: TRITICUM AESTIVUM SOIL, FIELD PLOT SODIUM, CHLORIDE, CALCIUM, SULFATE, BICARBONATE MINERAL COMPOSITION, GRAIN YIELD

602. MYLONAS, V. A.; MC CANTS, C. B. EFFECTS OF OSMOTIC PRESSURE OF NUTRIENT SOLUTIONS AND CONDUCTIVITY OF SOIL EXTRACTS ON TOBACCO SEED GERMINATION AND SEEDLING GROWTH. TOBACCO INTERNATIONAL 171: 17-21. 1970. TOBACCO SOLANACEAE: NICOTIANA TABACUM GERMINATION DISHES, GREENHOUSE, SAND CULTURE, SOIL FERTILIZER GERMINATION, TOP GROWTH, ROOT GROWTH

603. NABORS, M. W.; DANIELS, A.; NADOLNY, L.; BROWN, C. SODIUM CHLORIDE TOLERANT LINES OF TOBACCO CELLS. PLANT SCI. LETTERS 4:155-159. 1975. TOBACCO SOLANACEAE: NICOTIANA TABACUM CALLUS TISSUE, WATER CULTURE SODIUM, CHLORIDE CULTURE GROWTH

604. NABORS, M. W.; GIBBS, S. E.; BERNSTEIN, C. S.; MEIS, M. E. NACL-TOLERANT TOBACCO PLANTS FROM CULTURED CELLS. Z. PFLANZENPHYSIOL. 97: 13-18. 1980. TOBACCO SOLANACEAE: NICOTIANA TABACUM TEST TUBE, SOIL, GREENHOUSE SODIUM, CHLORIDE GENETIC INTERACTION, SALT TOLERANCE, SHOOT GROWTH

605. NADEEM, M. Y.; MUHAMMAD, S. EFFECT OF SALTS ON GERMINATION, YIELD, PROTEIN PERCENTAGE AND TOTAL UPTAKE OF NITROGEN BY THREE VARIETIES OF LENTIL (LENS ESCULENTA). PAK. J. SCI. 30: 54-58. 1978. LENTIL LEGUMINOSAE: LENS CULINARIS SOIL, POT SODIUM, CHLORIDE, SULFATE, CALCIUM, MAGNESIUM, VARIETY GERMINATION, GRAIN YIELD, STRAW YIELD, PROTEIN, NITROGEN UPTAKE

606. NAGARAJAN, M.; SANKARANARAYANAN, M.; NELLIAT, E. V. A NOTE ON SALINE WATER IRRIGATION TO COCONUT PALM COCOS NUCIFERA LINN. IN SANDY LOAM SOIL. SCI. CULT. 41: 381-383. 1975. COCONUT PALMAE: COCOS NUCIFERA FIELD PLOT SEA WATER SALT TOLERANCE

607. NAINAWATEE, H. S.; DAS, N. B. MALATE DEHYDROGENASE ISOENZYMES IN WHEAT SEEDS IMBIBED IN SALINE MEDIA. BIOCHEM. PHYSIOL. PFLANZEN. 163: 608-610. 1972. WHEAT GRAMINEAE: TRITICUM AESTIVUM GERMINATION DISH SODIUM, CHLORIDE MALATE DEHYDROGENASE

608. NAQVI, S. M. PHYSIOLOGY OF SALT TOLERANCE: POSSIBLE MECHANISM. PROC. SEMINAR MEMBRANE BIOPHYSICA AND DEVELOPMENT SALT TOLERANCE IN PLANTS (FAISALABAD, PAKISTAN) MARCH 11-21, 1978: 7-15. SELECTIVE BREEDING, GERMINATION, SEEDLING GROWTH

609. NARAIN, P.; PAL, B.; SINGH, B. EFFECT OF SALINE WATER IRRIGATION ON PERFORMANCE OF LAHA (VAR. T-59) AND SALINITY STATUS OF SOIL. INDIAN J. AGRON. 24: 1-6. 1979. MUSTARD CRUCIFERAE: BRASSICA JUNCEA FIELD PLOT, SAND, SOIL SALINE WATER, SODIUM, CHLORIDE, CALCIUM VEGETATIVE GROWTH, SEED WEIGHT

610. NARAIN, P.; SINGH, B.; PAL, B. NOTE ON THE EFFECT OF QUALITY AND DEPTH OF IRRIGATION ON THE PERFORMANCE OF WHEAT GROWN ON SOIL WITH DIFFERENT LEVELS OF SALINITY. INDIAN J. AGRIC. SCI. 47: 637-639. 1977. WHEAT GRAMINEAE: TRITICUM AESTIVUM FIELD PLOT, SOIL SODIUM, CHLORIDE, SULFATE, BICARBONATE, CALCIUM GRAIN YIELD, STRAW YIELD

611. NARASAGOUDAR, N. A.; CHAVAN, P. D.; KARADGE, B. A. GERMINATION OF SORGHUM-VULGARE PERS. UNDER SALINE CONDITIONS. GEOBIOS 6: 327-328. 1979. SORGHUM GRAMINEAE: SORGHUM BICOLOR GERMINATION DISH SODIUM, CHLORIDE, BICARBONATE, SULFATE GERMINATION, REDUCING SUGAR, ENZYME ACTIVITY, ACID PHOSPHATASE

612. NASR, T. A.; EL-AZAB, E. M.; EL-SHURAFA, M. Y. EFFECT OF SALINITY AND WATER TABLE ON GROWTH AND TOLERANCE OF PLUM AND

PEACH. SCI. HORTIC. 7: 225-235. 1977. PLUM; PEACH ROSACEAE: PRUNUS PERSICA, PRUNUS DOMESTICA SOIL, LYSIMETER CALCIUM, SODIUM, CHLORIDE, WATER TABLE VISUAL SYMPTOMS, VEGETATIVE GROWTH

613. NASSERY, H.; OGATA, G.; MAAS, E. V. SENSITIVITY OF SESAME TO VARIOUS SALTS. AGRON. J. 71: 595-597. 1979. SESAME PEDALIACEAE: SESAMUM INDICUM POT, WATER CULTURE, GREENHOUSE SODIUM, NITRATE, CHLORIDE, SULFATE, CALCIUM VEGETATIVE GROWTH, ROOT GROWTH, MINERAL COMPOSITION

614. NASSERY, H.; OGATO, G.; NIEMAN, R. H.; MAAS, E. V. GROWTH, PHOSPHATE POOLS, AND PHOSPHATE MOBILIZATION OF SALT-STRESSED SESAME AND PEPPER. PLANT PHYSIOL. 62:229-21. 1978. SESAME; PEPPER, BELL PEDALIACEAE: SESAMUM INDICUM, SOLANACEAE: CAPSICUM ANNUUM WATER CULTURE, GREENHOUSE SODIUM, CALCIUM, CHLORIDE PHOSPHORUS UPTAKE, VEGETATIVE GROWTH, PHOSPHATE MOBILIZATION

615. NATANSON, G.; BEN-JA'ACOV, J.; HAGILADI, A. USE OF WIND SPEED CONTROLLED OVERHEAD IRRIGATION SYSTEM TO PREVENT DAMAGE CAUSED BY WIND-BORNE SALTS. HASSADEH 58: 2343-2344, 2348. 1978. OLEANDER APOCYNACEAE: NERIUM OLEANDER FIELD, SOIL SALT SPRAY SODIUM UPTAKE, CHLORIDE UPTAKE, POTASSIUM UPTAKE, LEAF INJURY

616. NEALES, T. F.; SHARKEY, P. J. EFFECT OF SALINITY ON GROWTH AND ON MINERAL AND ORGANIC CONSTITUENTS OF THE HALOPHYTE DISPHYMA AUSTRALE (SOLAND.). J. M. BLACK. AUST. J. PLANT PHYSIOL. 8: 165-179. 1981. HALOPHYTE AIZOACEAE: DISPHYMA AUSTRALE GREENHOUSE, WATER CULTURE, POT SODIUM, CHLORIDE VEGETATIVE GROWTH, WATER CONTENT, MINERAL COMPOSITION, PROLINE, GLUTAMINE, GLUTAMATE, ALANINE, ARGININE, ASPARTATE, AMINO CONTENT, SUGAR, OSMOTIC POTENTIAL

617. NESTLER, J. INTERSTITIAL SALINITY AS A CAUSE OF ECOPHENIC VARIATION IN SPARTINA ALTERNIFLORA. ESTUARINE COASTAL MAR. SCI. 5: 707-714. 1977. CORDGRASS GRAMINEAE: SPARTINA ALTERNIFLORA FIELD SALINE WATER, SALINE SOIL, WATER TABLE HEIGHT, VEGETATIVE GROWTH

618. NIJENSOHN, L. INTOXICACION DE VIDES POR CLORUROS. CHLORIDE TOXICITY OF GRAPES. (SPA; ENG SUM). BOL. TEC. I. P. A. NO. 2: 3-30. 1960. GRAPE VITACEAE: VITIS FIELD, SOIL SALINE SOIL, SALINE WATER, CHLORIDE VISUAL SYMPTOMS, CHLORIDE UPTAKE

619. NIMBALKAR, J. D.; JOSHI, G. V. EFFECT OF INCREASING SALINITY ON GERMINATION, GROWTH, AND MINERAL METABOLISM OF SUGARCANE VAR. CO-740 J. BIOL. SCI. 18:55-63. 1975. SUGARCANE GRAMINEAE: SACCHARUM OFFICINARUM SOIL, FIELD PLOT SODIUM, CHLORIDE GERMINATION, VEGETATIVE GROWTH, MINERAL COMPOSITION

620. NIMBALKAR, J. D.; JOSHI, G. V. EFFECT OF SALT STRESS ON PHOTOSYNTHESIS IN SUGARCANE VAR. CO. 740. BIOVIGYANAM 2:137-144. 1976. SUGARCANE GRAMINEAE: SACCHARUM OFFICINARUM FIELD PLOT, SOIL SODIUM, CHLORIDE PHOTOSYNTHESIS, SUGAR, SUGARPHOSPHATES, AMINO ACID, CHLOROPHYLL

621. NOBLE, J. C.; WHALLEY, R. D. B. THE BIOLOGY AND AUTECOLOGY OF NITRARIA L. IN AUSTRALIA. II. SEED GERMINATION, SEEDLING ESTABLISHMENT AND RESPONSE TO SALINITY. AUST. J. ECOL. 3:165-177. 1978. ZYGOPHYLLACEAE: NITRARIA BILLARDIERI FIELD, SOIL, GREENHOUSE, SAND, POT SODIUM, CHLORIDE LEAF THICKNESS, VEGETATIVE YIELD, CHLORIDE UPTAKE

622. NORLYN, J. D. SALT TOLERANT CROPS. PROC. ANNU. CALIF. FERT. CONF. 26TH:5-11. 1978. BARLEY GRAMINEAE: HORDEUM VULGARE

623. NORLYN, J. D.; EPSTEIN, E. BARLEY PRODUCTION: IRRIGATION WITH SEAWATER ON COASTAL SOIL. BIOSALINE RESEARCH: A LOOK TO THE FUTURE. A. SAN PIETRO (ED.). PLENUM PUBL. CORP. 525-529. 1982. BARLEY GRAMINEAE: HORDEUM VULGARE GROWTH CHAMBER, FIELD, SAND SODIUM, CHLORIDE SALT TOLERANCE, SELECTIVE BREEDING, GENETIC INTERACTION, GERMINATION, SEEDLING GROWTH

624. NUKAYA, A.; MASUI, M.; ISHIDA, A. RELATIONSHIPS BETWEEN SALT TOLERANCE OF GREEN SOYBEANS AND CALCIUM SULFATE APPLICATIONS IN SAND CULTURE. J. JPN. SOC. HORTIC. SCI. 50: 326-331. 1981. SOYBEAN LEGUMINOSAE: GLYCINE MAX SAND, POT, GREENHOUSE CALCIUM, SULFATE, SEA WATER VEGETATIVE GROWTH, YIELD, SEED WEIGHT, ROOT GROWTH, SODIUM UPTAKE, CHLORIDE UPTAKE

625. NUKAYA, A.; MASUI, M.; ISHIDA, A. SALT TOLERANCE OF GREEN SOYBEANS AS AFFECTED BY VARIOUS SALINITIES IN SAND CULTURE. J. JPN. SOC. HORTIC. SCI. 50: 487-496. 1982. SOYBEAN LEGUMINOSAE: GLYCINE MAX SAND, GREENHOUSE, POT SODIUM, CHLORIDE, SEA WATER, SULFATE VEGETATIVE GROWTH, SEED WEIGHT, OSMOTIC POTENTIAL, SODIUM UPTAKE, CHLORIDE UPTAKE

626. NUKAYA, A.; MASUI, M.; ISHIDA, A. SALT TOLERANCE OF MUSKMELONS GROWN IN DIFFERENT SALINITY SOILS. J. JPN. SOC. HORTIC. SCI. 48: 468-474. 1980. MUSKMELON CUCURBITACEAE: CUCUMIS MELO SOIL, POT CHLORIDE, SEA WATER HEIGHT, VEGETATIVE GROWTH, FRUIT WEIGHT, MINERAL COMPOSITION, SUGAR

627. NUKAYA, A.; MASUI, M.; ISHIDA, A. SALT TOLERANCE OF MUSKMELONS IN SAND AND NUTRIENT SOLUTION CULTURES. J. JPN. SOC. HORTIC. SCI. 49: 93-101. 1980. MUSKMELON CUCURBITACEAE: CUCUMIS MELO WATER CULTURE, SAND, GERMINATION DISH, POT, GREENHOUSE CHLORIDE, SEA WATER GERMINATION, VEGETATIVE GROWTH, LEAF FREQUENCY, HEIGHT, FRUIT WEIGHT, SUGAR, SEEDLING GROWTH, OSMOTIC PRESSURE, CHLORIDE UPTAKE, MINERAL COMPOSITION, VISUAL SYMPTOM, TRANSPIRATION, SODIUM UPTAKE

628. NUKAYA, A.; MASUI, M.; ISHIDA, A. SALT TOLERANCE OF TOMATOES. J. JPN. SOC. HORTIC. SCI. 48: 73-81. 1979. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM GERMINATION DISHES, WATER CULTURE, GREENHOUSE, SAND, SOIL SEA WATER GERMINATION, TRANSPIRATION, VEGETATIVE GROWTH, BLOSSOM-END ROT, OSMOTIC POTENTIAL, MINERAL COMPOSITION

629. NUKAYA, A.; NASUI M.; ISHIDA, A. SALT TOLERANCE OF MUSKMELONS GROWN IN DIFFERENT MEDIA. J. JPN. SOC. HORTIC. SCI. 49: 354-360. 1980. MUSKMELON CUCURBITACEAE: CUCUMIS MELO SAND, SOIL, WATER CULTURE, POT SEA WATER, CHLORIDE VEGETATIVE GROWTH, HEIGHT, FRUIT WEIGHT, VISUAL SYMPTOMS, CHLORIDE UPTAKE, OSMOTIC PRESSURE

630. NUNES, M. A.; DIAS, M. A.; PINTO, E. EFEITOS DA AGUA DISPONIVEL E SALINIDADE DO SOLO NO CRESCIMENTO, TROCAS E ACUCARES SO LUVEIS EM VARIENDADES DE BETERRABA-SACARINA. EFFECTS OF AVAILABLE WATER AND SOIL SALINITY ON GROWTH, GAS EXCHANGES AND SOLUBLE SUGARS IN SUGARBEET VARIETIES (POR; ENG SUM). AGRON LUSIT 38:229-255. 1977. BEET, SUGAR CHENOPODIACEAE: BETA VULGARIS SOIL, FIELD SALINE SOIL PHOTOSYNTHESIS, RESPIRATION, PHOTORESPIRATION, REDUCING SUGAR, VEGETATIVE GROWTH, ROOT GROWTH, SUCROSE

631. OERTLI, J. J. EFFECTS OF EXTERNAL SALT CONCENTRATIONS ON WATER RELATIONS IN PLANTS: I. ABSENCE OF OSMOTIC ADJUSTMENT IN THE ROOT XYLEM. SOIL SCIENCE 102: 180-186. 1966. BARLEY GRAMINEAE: HORDEUM VULGARE WATER CULTURE SODIUM, CHLORIDE XYLEM, OSMOTIC POTENTIAL

632. OGRA, R. K.; BAIJAL, B. D. TOLERANCE OF SOME SORGHUM VARIETIES TO SALT STRESS AT EARLY SEEDLING STAGE. INDIAN J. AGRIC. RES. 48: 713-717. 1978. SORGHUM GRAMINEAE: SORGHUM BICOLOR TEST TUBE, FILTER PAER CALCIUM, CHLORIDE,

SODIUM, VARIETY SEEDLING GROWTH, ROOT GROWTH, SHOOT GROWTH

633. OKUSANYA, O. T. THE EFFECT OF SALINITY AND NUTRIENT LEVEL ON THE GROWTH OF LAVATERA ARBOREA. OIKOS 35: 49-54. 1980. MALLOW, TREE MALVACEAE: LAVATERA ARBOREA SAND, POT, GREENHOUSE SEA WATER SEEDLING GROWTH, LEAF AREA, VEGETATIVE GROWTH

634. OKUSANYA, O. T. THE EFFECT OF SEA WATER AND TEMPERATURE ON THE GERMINATION OF CRITHMUM MARITIMUM. PHYSIOL. PLANT 41: 265-267. 1977. UMBELLIFERAE: CRITHMUM MARITIMUM WATER CULTURE SEA WATER, TEMPERATURE GERMINATION

635. OKUSANYA, O. T. AN EXPERIMENTAL INVESTIGATION INTO THE ECOLOGY OF SOME MARITIME CLIFF PLANT SPECIES. III. EFFECT OF SEA WATER ON GROWTH. J. ECOL. 67: 579-590. 1979. SAMPHIRE; CARROT, WILD; SPURRY, SAND; MALLOW, TREE MALVACEAE: LAVATERA ARBOREA; UMBELLIFERAE: LIGUSTICUM SCOTICUM; UMBELLIFERAE: CRITHMUM MARITIMUM, DAUCUS CAROTA; COMPOSITAE: INULA CRITHMOIDES, INULA CONYZA; CARYOPHYLLACEAE: SPERGULARIA RUPICOLA, SPERGULARIA RUBRA GREENHOUSE, SOIL, FILTER PAPER, SAND, POT SEA WATER, SODIUM, CHLORIDE, SALT SPRAY VEGETATIVE GROWTH, LEAF AREA

636. OKUSANYA, O. T. QUANTITATIVE ANALYSIS OF THE EFFECTS OF PHOTOPERIOD, TEMPERATURE, SALINITY, AND SOIL TYPES ON THE GERMINATION AND GROWTH OF CORCHORUS OLITORIUS. OIKOS 33: 444-450. 1979. TILIACEAE: CORCHORUS OLITORIUS GERMINATION DISHES, SOIL, POT SEA WATER GERMINATION, VEGETATIVE GROWTH

637. ONAL, M. DIE WIRKUNG DER NATRIUMCHLORIDKONZENTRATION AUF DEN PROTEINUND CHLOROPHYLLGEHALT VON SPERGULARIA SALINA UND SUAEDA MARITIMA. EFFECT OF SODIUM CHLORIDE CONCENTRATION ON PROTEIN AND CHLOROPHYLL OF SPERGULARIA SALINA AND SUAEDA MARITIMA. (GER.) REVUE DE LA FACULTE DES SCIENCES DE L'UNIVERSITE D'ISTAMBUL, SERIE B, TOME 38, FASC. 1-4. 53-65. 1973. SPURRY, SAND CARYOPHYLLACEAE: SPERGULARIA SALINA; CHENOPODIACEAE: SUAEDA MARITIMA WATER CULTURE SODIUM, CHLORIDE CHLOROPHYLL, PROTEIN, WATER CONTENT

638. ORTON, T. J. COMPARISON OF SALT TOLERANCE BETWEEN HORDEUM VULGARE AND H. JUBATUM IN WHOLE PLANTS AND CALLUS CULTURES. Z. PFLANZENPHYSIOL. 98: 105-118. 1980. BARLEY; BARLEY, SQUIRREL TAIL GRAMINEAE: HORDEUM VULGARE, HORDEUM JUBATUM SAND, POT, SOIL, GREENHOUSE SODIUM, CHLORIDE VEGETATIVE GROWTH, SHOOT GROWTH, ROOT GROWTH, SODIUM UPTAKE, CHLORIDE UPTAKE, POTASSIUM UPTAKE

639. OSOTSAPAR, Y.; MERCADO, B. T. OSMOTIC ADJUSTMENT IN SALT-STRESSED RICE PLANTS. PHILIPP. J. SCI. 51-60. 1978. RICE GRAMINEAE: ORYZA SATIVA SODIUM, CHLORIDE OSMOTIC POTENTIAL, VEGETATIVE GROWTH, SODIUM UPTAKE, CHLORIDE UPTAKE, LEAF INJURY, OSMOTIC PRESSURE

640. PAKROO, N.; KASHIRAD, A. THE EFFECT OF SALINITY AND IRON APPLICATION ON GROWTH AND MINERAL UPTAKE OF SUNFLOWER (HELIANTHUS ANNUS L.). PLANT NUTRITION 4: 45-56. 1981. SUNFLOWER COMPOSITAE: HELIANTHUS ANNUUS GREENHOUSE, VERMICULITE, POT SODIUM, CHLORIDE, IRON VEGETATIVE GROWTH, LEAF AREA, HEIGHT, SHOOT GROWTH, ROOT GROWTH, TRANSPIRATION, CHLORIDE UPTAKE, SODIUM UPTAKE, IRON UPTAKE

641. PALIWAL, K. V.; GRANDHI, A. P. ANIONIC EFFECT ON GERMINATION AND EARLY STAGE OF GROWTH OF FOUR VARIETIES OF PADDY (ORYZA SATIVA) IN SALINE MEDIUM. ORYZA 12: 109-110. 1977. RICE GRAMINEAE: ORYZA SATIVA VARIETY, SODIUM, CHLORIDE, SULFATE, NITRATE, BICARBONATE, CARBONATE GERMINATION, SEEDLING GROWTH

642. PALIWAL, K. V.; MALIWAL, G. L. GROWTH AND NUTRIENT UPTAKE RELATIONSHIPS OF SOME CROPS IN SALINE SUBSTRATE. ANN. ARID ZONE 19: 251-257. 1980. MILLET, PEARL; SORGHUM; BEAN, MUNG; GRAM, BLACK GRAMINEAE: PENNISETUM AMERICANUM, SORGHUM VULGARE; LEGUMINOSAE: VIGNA RADIATA, VIGNA MUNGO GREENHOUSE, SAND, POT SODIUM, CHLORIDE, CALCIUM, SULFATE MINERAL COMPOSITION, VEGETATIVE GROWTH, GRAIN YIELD

643. PALIWAL, K. V.; YADAV, B. R. EFFECT OF DIFFERENT QUALITIES OF IRRIGATION WATER ON THE YIELD OF WHEAT IN A SANDY LOAM SOIL. INDIAN J. AGRON. 23: 334-336. 1978. WHEAT GRAMINEAE: TRITICUM AESTIVUM SOIL, FIELD SODIUM, CHLORIDE, CALCIUM GRAIN YIELD, STRAW YIELD

644. PALIWAL, K. V.; YADAV, B. R. EFFECT OF SALINE IRRIGATION WATER ON THE YIELD OF POTATO. INDIAN J. AGRIC. SCI. 50: 31-33. 1980. POTATO SOLANACEAE: SOLANUM TUBEROSUM FIELD PLOT, SOIL SODIUM, CHLORIDE, CALCIUM, BICARBONATE YIELD, TUBER YIELD

645. PANDA, S. C.; SINGH, N.; MISRA, B. PERFORMANCE OF WHEAT VARIETIES UNDER DIFFERENT LEVELS OF SALINITY. CURR. AGRIC. 3: 63-72. 1979. WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, SOIL SODIUM,CHLORIDE, CALCIUM, VARIETY GERMINATION, SHOOT GROWTH, GRAIN YIELD, HEIGHT, MINERAL COMPOSITION

646. PANDEY, R. M.; DIVATE, M. R. SALT TOLERANCE IN GRAPES. I. EFFECT OF SODIUM SALTS SINGLY AND IN COMBINATION ON SOME OF THE MORPHOLOGICAL CHARACTERS OF GRAPE VARIETIES. INDIAN J. PLANT PHYSIOL. 19: 230-239. 1976. GRAPE VITACEAE: VITIS POT, SOIL SODIUM, CHLORIDE, CALCIUM, MAGNESIUM, SULFATE, CARBONATE BUD BREAK, LEAF AREA

647. PANDEY, R. M.; SINGH, R. N.; SHARMA, Y. K. LEAF SCORCH IN MANGO; A NEW PROBLEM. INDIAN HORT. 19: 7-8. 1974. MANGO ANACARDIACEAE: MANGIFERA INDICA SODIUM, CHLORIDE, BICARBONATE, SULFATE, SALT SPRAY CHLORIDE UPTAKE

648. PANDYA, R. B.; GUPTA, S. K.; KHAN, M. I.; DINDSA, K. S. EFFECT OF POLYETHYLENE GLYCOL (PEG) INDUCED STRESS ON GERMINATION, MOISTURE UPTAKE, SEEDLING GROWTH, AND NITROGEN METABOLISM OF BROWN SARSON (BRASSICA CAMPESTRIS (LAM). BIOCHEM. PHYSIOL. PFLANZEN (BPP), BD. 163:392-397. 1972. MUSTARD, FIELD CRUCIFERAE: BRASSICA CAMPESTRIS GERMINATION DISHES POLYETHYLENE GLYCOL GERMINATION, SEEDLING GROWTH, AMIDE NITROGEN, AMMONIACAL NITROGEN

649. PANWAR, K. S. RESPONSE OF SARSON (BRASSICA CAMPESTRIS VAR. SARSON) VARIETIES TO NITROGEN ON SALINE SOIL WITH HIGH GROUND WATER TABLE. CURR. AGRIC. 2: 49-54. 1978. MUSTARD, FIELD CRUCIFERAE: BRASSICA RAPA FIELD PLOT, SOIL NITROGEN, VARIETY YIELD, VEGETATIVE GROWTH, SHOOT GROWTH, ROOT GROWTH, GRAIN YIELD, GRAIN WEIGHT, OIL YIELD

650. PARAMASIVAN, K. S. A NOTE ON THE SCREENING RICE HYBRIDS FOR SALT TOLERANCE. MADRAS AGR. J. 66: 695-696. 1979. RICE GRAMINEAE: ORYZA SATIVA GREENHOUSE, POT SODIUM, CHLORIDE SALT TOLERANCE

651. PARMAR, M. T.; PATEL, A. S. NOTE ON SALT TOLERANCE OF BAJRA ENTRIES DURING GERMINATION. GUJARAT AGRIC. UNIV. RES. J. 1:87-88. 1975. MILLET, PEARL GRAMINEAE: PENNISETUM TYPHOIDES GERMINATION DISHES VARIETY, SODIUM, CALCIUM, CHLORIDE GERMINATION

652. PARRA, M. A.; ROMERO G. C. ON THE DEPENDENCE OF SALT TOLERANCE OF BEANS (PHASEOLUS VULGARIS L.) ON SOIL WATER MATRIC POTENTIALS. PLANT SOIL 56: 3-16. 1980. BEAN, KIDNEY LEGUMINOSAE: PHASEOLUS VULGARIS SOIL, POT SODIUM, CHLORIDE, CALCIUM VEGETATIVE GROWTH, LEAF AREA, WATER POTENTIAL, OSMOTIC PRESSURE, TRANSPIRATION

653. PARRA, M. A.; ROMERO, G. C. SALT TOLERANCE OF BEANS UNDER A SAND MULCH CULTURE. IN MANAGING SALINE WATER FOR IRRIGATION, PROC. INTER. SALINITY CONF., TEXAS TECH. UNIV., AUGUST 1976:220-235. BEAN LEGUMINOSAE: PHASEOLUS VULGARIS FIELD PLOT, SOIL SODIUM, CALCIUM, CHLORIDE YIELD, POD WEIGHT, MINERAL COMPOSITION, GERMINATION

654. PARRONDO, R. T.; GOSSELINK, J. G.; HOPKINSON, C. S. EFFECTS OF SALINITY AND DRAINAGE ON THE GROWTH OF THREE SALT MARSH GRASSES. BOT. GAZ. 139: 102-107. 1978. GRASS, MARSH GRAMINEAE: SPARTINA ALTERNIFLORA, SPARTINA CYNOSUROIDES, DISTICHLIS SPICATA POT. WATER CULTURE, GROWTH CHAMBER SODIUM, CHLORIDE VEGETATIVE GROWTH, SHOOT GROWTH, ROOT GROWTH

655. PARRONDO, R. T.; GOSSELINK, J. G.; HOPKINSON, C. S. INFLUENCE OF SALINITY ON THE ABSORPTION OF RUBIDIUM BY SPARTINA ALTERNIFLORA AND DISTICHLIS SPICATA. BOT. GAZ. 142: 402-407. 1981. MARSH GRASS; SALT GRASS GRAMINEAE: SPARTINA ALTERNIFLORA, DISTICHLIS SPICATA GERMINATION DISH, GROWTH CHAMBER, POT CALCIUM, CHLORIDE, SODIUM MINERAL UPTAKE

656. PARSONS, R. F. SALT-SPRAY EFFECTS IN HEATHLANDS. HEATHLANDS AND RELATED SHRUBLANDS: ANALYTICAL STUDI. 225-230. 1981. SALT SPRAY

657. PASRICHA, N. S.; PONNAMPERUMA, F. N. CHEMISTRY OF SUBMERGED SALINE, ALKALI SOILS. I. INFLUENCE OF SALINITY ON THE CHEMICAL AND ELECTRO-CHEMICAL KINETICS AND GROWTH OF RICE. RISO 27: 3-11. 1978. RICE GRAMINEAE: ORYZA SATIVA POT, SOIL SODIUM, CHLORIDE GRAIN YIELD, STRAW YIELD, VEGETATIVE GROWTH

658. PASSERA, C.; ALBUZIO, A. EFFECT OF SALINITY ON PHOTOSYNTHESIS AND PHOTORESPIRATION OF TWO WHEAT SPECIES (TRITICUM DURUM CV. PEPE 2122 AND TRITICUM AESTIVUM CV MARZOTTO). CAN. J. BOT. 56: 121-126. 1978. WHEAT GRAMINEAE: TRITICUM DURUM, TRITICUM AESTIVUM SAND, POT SODIUM, CHLORIDE PHOTOSYNTHESIS, CHLOROPHYLL, PROTEIN, CARBON DIOXIDE ASSIMILATION, RESPIRATION

659. PASTERNAK, D.; DE MALACH, Y.; MIZRACHI, Y.; BOROVITC, I. EFFECT OF BRACKISH WATER IRRIGATION ON YIELD AND QUALITY OF MUSKMELONS. (HEB; ENG SUM). HASSADEH 58: 2114-2121. 1978. MUSKMELON CUCURBITACEAE: CUCUMIS MELO FIELD PLOT BRACKISH WATER, VARIETY YIELD

660. PASTERNAK, D.; TWERSKY, M.; DEMALACH, Y. SALT RESISTANCE IN AGRICULTURAL CROPS. STRESS PHYSIOL. IN CROP PLANTS. INTL. CONF. ON STRESS PHYSIOL. IN CROP PLANTS, BOYCE THOMPSON INST. PLANT RES. ITHACA, NY, JUNE, 1977; 127-143. 1979. TOMATO; COTTON MALVACEAE: GOSSYPIUM HIRSUTUM; SOLANACEAE: LYCOPERSICON ESCULENTUM VEGETATIVE GROWTH, YIELD, GERMINATION

661. PATEL, P. M.; WALLACE, A.; MUELLER, R. T. SALT TOLERANCE OF HUNTALAS COMPARED WITH OTHER AVOCADO ROOTSTOCKS. YEARB. CALIF. AVOCADO SOC. 59: 78-85. 1976. AVOCADO LAURACEAE: PERSEA AMERICANA GREENHOUSE, POT, SOIL VARIETY, SODIUM, CHLORIDE, NITRATE, NITROGEN VEGETATIVE GROWTH, PHOTOSYNTHESIS, TRANSPIRATION, MINERAL COMPOSITION, WATER POTENTIAL

662. PATEL, P.; WALLACE, A. EFFECT OF MIXED SALINITY AND P FERTILITY ON YIELD AND MICRO-ELEMENT COMPOSITION OF TOMATO, SWEET CORN AND SUDAN GRASS GROWN IN SAND CULTURE. INDIAN J. AGRON. 20: 29-34. 1975. TOMATO; SWEET CORN; SUDAN GRASS SOLANACEAE: LYCOPERSICON ESCULENTUM; GRAMINEAE: ZEA MAYS, SORGHUM SUDANENSE GREENHOUSE, SAND, SAND TANK, POT POTASSIUM, CALCIUM, SODIUM, CHLORIDE YIELD, VEGETATIVE GROWTH

663. PATHAK, A. N.; TIWARI, K. N.; UPADHYAY, R. L. STUDIES ON FE AND ZN NUTRITION OF RICE IN SALINE-ALKALI SOIL AT DIFFERENT MOISTURE REGIMES. INDIAN J. AGRIC. SCI. 45: 335-339. 1975. RICE GRAMINEAE: ORYZA SATIVA GREENHOUSE, SOIL, POT IRON, ZINC, WATER CONTENT IRON UPTAKE, ZINC UPTAKE

664. PATIL, V. K. SALINITY AND ALKALINITY IN CITRUS - A REVIEW. J. MAHARASHTRA AGRIC. UNIV. 4: 1-6. 1979. ORANGE; GRAPEFRUIT; LEMON CHLORIDE, SODIUM, SULFATE, BICARBONATE SODIUM UPTAKE, CHLORIDE UPTAKE, POTASSIUM UPTAKE, MINERAL COMPOSITION

665. PATIL, V. K.; BHAMBOTA, J. R. SALINITY STUDIES IN CITRUS. 1. EFFECT OF VARIOUS LEVELS OF SALINITY ON THE MACRONUTRIENT STATUS OF SEEDLING ROOTSTOCKS. J. INDIAN SOC. SOIL SCI. 28: 72-79. 1980. CITRUS RUTACEAE: CITRUS GREENHOUSE, SOIL SODIUM, CHLORIDE PHOSPHORUS UPTAKE, NITROGEN UPTAKE, POTASSIUM UPTAKE, CALCIUM UPTAKE, SODIUM UPTAKE

666. PATOLIA, J. S. IYENGAR, E. R. R. SALINITY EFFECTS ON EARLY AND MEDIUM DURATION CULTURES OF RICE DURING GERMINATION. ORYZA 16: 66-67. 1979. RICE GRAMINEAE: ORYZA SATIVA SEA WATER GERMINATION

667. PATOLIA, J. S.; KURIAN, T.; PANDYA, J. B.; IYENGAR, E. R. R.; MEHTA, R. R. RELATIVE PERFORMANCE OF WHEAT VARIETIES TO SEA WATER DILUTIONS. CURR. AGRIC. 2: 35-38. 1978. WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, WATER CULTURE SEA WATER VISUAL SYMPTOMS, GRAIN YIELD, VEGETATIVE GROWTH, GRAIN WEIGHT, MINERAL COMPOSITION

668. PEARSON, G. A. RESPONSE OF ASPARAGUS TO APPLICATIONS OF SIMULATED VEGETABLE-PROCESSING WASTE WATER. J. ENVIRON. QUAL. 4: 337-339. 1975. ASPARAGUS LILIACEAE: ASPARAGUS OFFICINALIS SOIL, FIELD PLOT SODIUM, CALCIUM, MAGNESIUM, CHLORIDE, SUCROSE SPEAR YIELD, PLANT SURVIVAL

669. PEREZ ESCOLAR, R.; ORTIZ VELEZ, J. S. PERFORMANCE OF SUGARCANE VAR. PR 980 GROWN ON A PARTIALLY RECLAIMED SALINE SODIC SOIL OF THE LAJAS VALLEY. J. AGRIC. UNIV. PUERTO RICO 63: 377-385. 1979. SUGARCANE GRAMINEAE: SACCHARUM OFFICINARUM SOIL, FIELD PLOT SALINE SOIL CANE YIELD, SUCROSE YIELD

670. PESSOA DA COSTA, G. T.; SMUCKER, A. J. M. INTERACTION OF OXYGEN-NITROGEN-SALINITY STRESSES ON PLANT GROWTH AND MINERAL CONTENT OF SUNFLOWER (HELIANTHUS ANNUUS L.) IN SAND CULTURE. J. PLANT NUTR. 3: 887-903. 1981. SUNFLOWER COMPOSITAE: HELIANTHUS ANNUUS SAND, GREENHOUSE SODIUM, CHLORIDE, NITROGEN, OXYGEN GERMINATION, VEGETATIVE GROWTH, ION UPTAKE, HEIGHT, LEAF FREQUENCY, OXYGEN UPTAKE, NITROGEN UPTAKE, SODIUM UPTAKE

671. PETERS, I.; SILVA, J. C.; GALVAO, J. D. VARIABILIDADE GENETICA DA TOLERANCIA A SALINIDADE CAUSADA POR SULFATO DE AMONIO EM MILHO (ZEA MAYS L.) VARIEDADE 'PIRANAO'. GENETIC VARIABILITY OF SALINITY TOLERANCE CAUSED BY AMMONIUM SULFATE IN MAIZE (ZEA MAYS L.). (POR; ENG SUM). REV. CERES 27: 163-179. 1980. CORN GRAMINEAE: ZEA MAYS GREENHOUSE, SOIL AMMONIUM, SULFATE VEGETATIVE GROWTH, ROOT GROWTH, SHOOT GROWTH, EMERGENCE, GERMINATION

672. PETERS, J. R. BARLEY PRODUCTION ON SALINE SEEP AREAS. PROC. SUBCOM. SALT-AFFECTED SOILS, 11TH INTER. SOIL SCI. SOC. CONGR., EDMONTON, CANADA, JUNE 1978:5.31-5.40. BARLEY GRAMINEAE: HORDEUM VULGARE FIELD, SOIL SALINE SEEPS, SALINE SOIL, FERTILIZER GRAIN YIELD

673. PETOLINO, J. F.; LEONE, I. A. SALINE AEROSOL: SOME EFFECTS ON THE PHYSIOLOGY OF PHASEOLUS VULGARIS. PHYTOPATHOLOGY

70: 229-232. 1980. BEAN, KIDNEY LEGUMINOSAE: PHASEOLUS VULGARIS POT, SOIL, GREENHOUSE, SEDIMENTATION CHAMBER SALT SPRAY CHLORIDE UPTAKE, NITROGEN UPTAKE, CHLOROPHYLL, SUGAR, STARCH, AMINO ACID, PHOTOSYNTHESIS, RESPIRATION, WATER CONTENT, TRANSPIRATION

674. PEYNADO, A.; SLUIS, N. J. CHLORIDE AND BORON TOLERANCE OF YOUNG "RUBY RED" GRAPEFRUIT TREES AFFECTED BY ROOTSTOCK AND IRRIGATION METHOD. J. AMER. SOC. HORT. SCI. 104:133-136. 1979. GRAPEFRUIT RUTACEAE: CITRUS PARADISI GREENHOUSE DRIP IRRIGATION, FLOOD IRRIGATION, SODIUM, CALCIUM, CHLORIDE, ROOTSTOCK CHLORIDE UPTAKE, BORON UPTAKE, CHLORIDE TOLERANCE, BORON TOLERANCE

675. PIERGENTILI, D.; VIDAL, A. A. BUPLEURUM TEHUISSIMUM L. PROMISORIA UMBELIFERA FORRAJERA. BUPLEURUM TENUISSIMUM L. A PROMISING UMBELLIFERAE AS FORAGE. (SPA.). REV. FAC. AGRON. 45: 78-81. 1970. THOROUGHWAX UMBELLIFERAE: BUPLEURUM TENUISSIMUM ALKALI SOIL MINERAL COMPOSITION, BOTANICAL DESCRIPTION

676. PINNERUP, S. P. LEAF PRODUCTION OF ZOSTERA MARINA L. AT DIFFERENT SALINITIES. OPHELIA (SUPPL. 1): 219-224. 1980. ZOSTERA ZOSTERACEAE: ZOSTERA MARINA BRACKISH WATER LEAF GROWTH, VEGETATIVE GROWTH

677. PITELKA, L. F.; KELLOGG, D. L. SALT TOLERANCE IN ROADSIDE POPULATIONS OF TWO HERBACEOUS PERENNIALS. BULL. TORREY BOT. CLUB. 106: 131-134. 1979. WHEATGRASS, SLENDER; GOLDENROD, EARLY GRAMINEAE: AGROPYRON TRACHYCAULUM; COMPOSITAE: SOLIDAGO JUNCEA GREENHOUSE, POT, SOIL SODIUM, CHLORIDE VEGETATIVE GROWTH, LEAF INJURY

678. PIZARRO, O. C.; BRAUN, R. H. INTOXICACION BORICA EN VIDES DE LA RIOJA. BORON TOXICITY IN GRAPES AT RIOJA (SPA). IDIA 191: 13-19. 1963. GRAPE VITACEAE: VITIS FIELD PLOT, SOIL BORON CHLORIDE UPTAKE, BORON UPTAKE

679. POLJAKOFF-MAYBER, A. BIOHEMICAL AND PHYSIOLOGICAL RESPONSES OF HIGHER PLANTS TO SALINITY STRESS. BIOSALINE RESEARCH: A LOOK TO THE FUTURE. A. SAN PIETRO (ED.). PLENUM PUBL. CORP. 245-269. 1982. PEA LEGUMINOSAE: PISUM SATIVUM GERMINATION DISHES SALINITY OSMOTIC POTENTIAL, ENZYME

680. POLJAKOFF-MAYBER, A.; BAR-NUN, N.; HASSON, E.; HEICHAL, O. RESPIRATORY CARBOHYDRATE METABOLISM OF DIFFERENT PEA VARIETIES UNDER SALINE CONDITIONS. BOT. GAZ. 142: 431-437. 1981. PEA LEGUMINOSAE: PISUM SATIVUM, PISUM ELATIUS, PISUM FULVUM VERMICULITE SODIUM, CHLORIDE ROOT GROWTH, PENTOSE PHOSPHATE PATHWAY, ENZYME, GLUCOSE-6-PHOSPHATE DEHYDROGENASE

681. POLLAK, G.; WAISEL, Y. ECOPHYSIOLOGY OF SALT EXCRETION IN AELUROPUS LITORALIS (GRAMINEAE). PHYSIOL. PLANT. 47: 177-184. 1979. SALTGRASS, MEDITERRANEAN GRAMINEAE: AELUROPUS LITTORALIS GROWTH CHAMBER, GREENHOUSE, VERMICULITE SODIUM, CHLORIDE, POTASSIUM SODIUM UPTAKE, SODIUM EXCRETION, POTASSIUM UPTAKE

682. PONNAMPERUMA, F. N. SCREENING RICE FOR TOLERANCE TO MINERAL STRESSES. IRRI RESEARCH PAPER SERIES, 6: 21 P. 1977. RICE GRAMINEAE: ORYZA SATIVA POT, SOIL, FIELD PLOT SODIUM, CHLORIDE, CARBONATE, VARIETY VEGETATIVE GROWTH

683. POONIA, S. R.; BHUMBLA, D. R. EFFECT OF ESP ON THE AVAILABILITY OF CA FROM SOIL AND ADDED GYPSUM TO MAIZE (ZEA MAYS) AND DHAINCHA (SESBANIA ACULEATA). PLANT SOIL 36: 671-679. 1972. CORN; SESBANIA GRAMINEAE: ZEA MAYS; LEGUMINOSAE: SESBANIA ACULEATA GYPSUM, SODIUM, CHLORIDE YIELD, CHLORIDE UPTAKE, SODIUM UPTAKE

684. POONIA, S. R.; JOHORAR, L. R.; NATH, J.; KHANNA, S. S. EFFECT OF QUALITY OF IRRIGATION WATER, LEACHING LEVELS AND FARMYARD MANURE ON THE PERFORMANCE OF WHEAT AND PEARL-MILLET. INDIAN J. AGRIC. SCI. 44: 854-859. 1974. WHEAT; MILLET, PEARL GRAMINEAE: TRITICUM AESTIVUM, PENNISETUM TYPHOIDES SOIL, FIELD PLOT SODIUM, CALCIUM, CHLORIDE, LEACHING, MANURE, IRRIGATION METHOD STRAW YIELD, GRAIN YIELD, MINERAL COMPOSITION

685. POONIA, S. R.; VIRMANI, S. M.; BHUMBLA, D. R. EFFECT OF ESP OF THE SOIL ON THE YIELD, CHEMICAL COMPOSITION AND UPTAKE OF APPLIED CALCIUM BY WHEAT. J. INDIAN SOC. SOIL SCI. 20: 183-185. 1972. WHEAT GRAMINEAE: TRITICUM AESTIVUM SAND, SOIL SODIUM, CALCIUM VEGETATIVE GROWTH, CALCIUM UPTAKE

686. POSPISILOVA, J. WATER RELATIONS IN PRIMARY LEAVES OF BEAN PLANTS TREATED WIH POLYETHYLENE GLYCOL SOLUTIONS. BIOL. PLANT. 19: 316-319. 1977. BEAN, FRENCH LEGUMINOSAE: PHASEOLUS VULGARIS POT, SAND, GROWTH CHAMBER POLYETHYLENE GLYCOL WATER POTENTIAL, OSMOTIC POTENTIAL

687. POTTS, M. J. DEPOSITION OF AIR-BORNE SALT ON PINUS RADIATA AND THE UNDERLYING SOIL. J. APPL. ECOL. 15: 543-550. 1978. PINE, MONTEREY PINACEAE: PINUS RADIATA FIELD, SOIL SALT SPRAY, SALINE WATER SODIUM UPTAKE, CALCIUM UPTAKE, LEAF INJURY

688. PRABHAKARASHETTY, T. K.; MANADEVAPPA, M.; RABINDRA, B.; NAIDU, B. S. PERFORMANCE OF PROMISING SALT-TOLERANT RICE VARIETIES IN KARNATAKA, INDIA. INT. RICE RES. NEWSL. INT. RICE REST. INST. 3: 13-14. 1978. RICE GRAMINEAE: ORYZA SATIVA PLOT, SOIL VARIETY, SALINE SOIL, PHOSPHORUS YIELD, GROWTH RATE

689. PRASAD, S. V.; RAO, G. G.; RAO, G. R. STUDIES ON SALT TOLERANCE OF RAGI (ELEUSINE CORACANA GAERTN). 1. GERMINATION AND FREE PROLINE ACCUMULATION. PROC. INDIAN ACAD. SCI.PLANT SC. 89: 481-484. 1980. MILLET, FINGER; MILLET, AFRICAN GRAMINEAE: ELEUSINE CORACANA GERMINATION DISH SODIUM, CHLORIDE, CALCIUM GERMINATION, PROLINE

690. PRIEBE, A.; JAGER, H. J. EFFECT OF SODIUM CHLORIDE ON THE LEVELS OF PUTRESCINE AND RELATED POLYAMINES IN PLANTS DIFFERING IN SALT TOLERANCE PLANT SCI. LETT. 12:365-369. 1978. BEAN, BROAD; SEA ORACH; SAMPHIRE; SALTBUSH CHENOPODIACEAE: SALICORNIA EUROPAEA, ATRIPLEX NITENS, ATRIPLEX CALOTHECA, ATRIPLEX HALIMUS; LEGUMINOSAE: VICIA FABA GREENHOUSE SODIUM, CHLORIDE PUTRESCINE, SPERMIDINE, SPERMINE, POLYAMINE

691. PRIEBE, A.; JAGER, H. J. EINFLUSS VON NACL AUF WACHSTUM UND IONENGEHALT UNTERSCHIEDLICH SALZTOLERANTERFLANZEN. INFLUENCE OF SODIUM CHLORIDE ON GROWTH AND ION CONTENT OF PLANTS DIFFERING IN SALT TOLERANCE. (GER; ENG SUM). AGNEW BOT. 52: 331-342. 1978. BEAN, BROAD; ORACH, SEA LEGUMINOSAE: VICIA FABA; CHENOPODIACEAE: ATRIPLEX NITENS, ATRIPLX CALOTHECA, ATRIPLEX HALIMUS SOIL SODIUM, CHLORIDE VEGETATIVE GROWTH, SODIUM UPTAKE, CHLORIDE UPTAKE, MINERAL COMPOSITION

692. PRIEBE, A.; JAGER, H. J. RESPONSES OF AMINO ACID METABOLIZING ENZYMES FROM PLANTS DIFFERING IN SALT TOLERANCE TO NACL. OECOLOGIA 36: 307-315. 1978. BEAN, BROAD; ORACH, SEA; SALTBUSH LEGUMINOSAE: VICIA FABA; CHENOPODIACEAE: ATRIPLEX NITENS, ATRIPLEX CALOTHECA, ATRIPLEX HALIMUS GREENHOUSE SODIUM, CHLORIDE GLUTAMATE DEHYDROGENASE, GLUTAMIC-OXALOACETIC TRANSAMINASE, ASPARTATE, KETOGLUTARATE

693. PRIKHOD'KO, L. A.; KLYSHEV, L. K. EFFECT OF THE MEDIUM SALTING WITH NACL ON PEPTIDE COMPOSITION OF COTTON PLANT ROOTS. (RUS; ENG SUM). FIZIOL BIOKHIM. KULT. RAST. 11: 373-379. 1979. COTTON MALVACEAE: GOSSYPIUM SODIUM, CHLORIDE PEPTIDE

694. PRISCO, J. T.; SOUTO, G. F.; REBOUCAS FERREIRA, L. G. OVERCOMING SALINITY INHIBITION OF SORGHUM SEED GERMINATION BY HYDRATION-DEHYDRATION TREATMENT. PLANT SOIL 49: 199-206. 1978. SORGHUM GRAMINEAE: SORGHUM BICOLOR WATER CULTURE SODIUM, CHLORIDE, HYDRATION-DEHYDRATION GERMINATION, SEEDLING EMERGENCE

695. PUROHIT, D. C.; TRIPATHI, R. S. PERFORMANCE OF SAME SALT TOLERANT PADDY VARIETIES IN CHAMBAL COMMANDED AREA TO RAJASTHAN. ORYZA 9: 19-20. 1972. RICE GRAMINEAE: ORYZA SATIVA SOIL, FIELD PLOT VARIETY, SALINE SOIL GRAIN YIELD

696. RACITI, G.; SALERNO, M. TOSSICITA DA BORO SU ARANCIO IN SICILIA. BORON TOXICITY ON SWEET ORANGES IN SICILY (ITA; ENG SUM). ANNALI DELL'ISTITUTO SPERIMENTALE PER L'AGRUMICOLTURA, 7-8: 207-218. 1974-1975. ORANGE, SWEET RUTACEAE: CITRUS SINENSIS FIELD, SOIL BORON BORON UPTAKE, BORON TOXICITY, MINERAL COMPOSITION

697. RAI, A.; KHEPAR, S. D.; SINHA, B. K. RELATIONSHIP BETWEEN WATER TABLES DEPTH, SALINITY AND MAIZE YIELD. J. AGRIC. ENG. 17: 81-86. 1980. CORN GRAMINEAE: ZEA MAYS LYSIMETERS, SOIL WATER TABLE, SALINE WATER VEGETATIVE GROWTH, GRAIN YIELD

698. RAI, B.; SINGH, R. B.; DIXIT, V. K. EFFECT OF DIFFERENT METHODS OF SOWING ON SALINE-SODIC SOIL ON THE GROWTH AND YIELD OF THE MUSTARD CROP. INDIAN J. AGRIC. RES. 14: 17-21. 1980. MUSTARD CRUCIFERAE: BRASSICA JUNCEA FIELD PLOT, SOIL SALINE SOIL, PLANTING METHOD VEGETATIVE GROWTH, STRAW YIELD, GRAIN YIELD, GERMINATION, LEAF FREQUENCY

699. RAI, M. IMPACT OF SALINE WATER IRRIGATION ON SOME CROPS AND THEIR VARIETIES. ANN. ARID ZONE 19: 231-237. 1980. WHEAT; BARLEY; SUNFLOWER; SAFFLOWER; MUSTARD, LEAF GRAMINEAE: TRITICUM AESTIVUM, HORDEUM VULGARE; COMPOSITAE: HELIANTHUS ANNUUS, CARTHAMUS TINCTORIUS; CRUCIFERAE: BRASSICA JUNCEA FIELD PLOT CALCIUM, CHLORIDE, SODIUM, SULFATE GERMINATION, GRAIN YIELD

700. RAI, M. SALINITY TOLERANCE IN INDIAN MUSTARD AND SAFFLOWER. INDIAN J. AGRIC. SCI. 47: 70-73. 1977. MUSTARD; SAFFLOWER CRUCIFERAE: BRASSICA JUNCEA; COMPOSITAE: CARTHAMUS TINCTORIUS SOIL VARIETY, SODIUM, CALCIUM, CHLORIDE, SULFATE, BICARBONATE STRAW YIELD, GRAIN YIELD, GERMINATION

701. RAI, M. VARIETAL RESITANCE TO SALINITY IN MAIZE. INDIAN J. PLANT PHYSIOL. 20:100-104. 1977. CORN GRAMINEAE: ZEA MAYS FIELD PLOT, SOIL VARIETY, CALCIUM, SODIUM, CHLORIDE, SULFATE, BICARBONATE VEGETATIVE GROWTH, SALT TOLERANCE, GRAIN YIELD

702. RAI, M. VARIETAL TOLERANCE IN RABI CEREALS TO THE APPLICATION OF SALINE WATER. INDIAN J. AGRON. 22: 206-211. 1977. WHEAT; BARLEY GRAMINEAE: TRITICUM AESTIVUM, HORDEUM VULGARE SOIL, SAND, FIELD PLOT SODIUM, CALCIUM, CHLORIDE VEGETATIVE GROWTH, GERMINATION, OSMOTIC PRESSURE, YIELD

703. RAINS, D. SALT TOLERANCE - NEW DEVELOPMENTS. IN: ADVANCES IN FOOD PRODUCING SYSTEMS FOR ARID AND SEMI-ARID LANDS. J. T. MANAS, ERNE, S. (EDS). NEW YORK ACADEMIC PRESS. 1981. 16 P. SALT TOLERANCE

704. RAJASEKARAN, L. R.; SHANMUGAVELU, K. G. A NOTE ON SALT TOLERANCE OF DIFFERENT VARIETIES OF TOMATO (LYCOPERSICON-ESCULENTUM MILL.) AT GERMINATION. UNIV. AGRIC. SCI. BANGALORE CURR. RES. 9: 138-139. 1980. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM GERMINATION DISHES SODIUM, CHLORIDE GERMINATION

705. RAKOVA, N. M.; KLYSHEV, L. K.; KASYMBEKOV, B. K. EFFECTS OF NA2SO4 AND NACL ON ACTIVITY OF THE ENZYMES OF PRIMARY AMMONIUM NITROGEN ASSIMILATION IN PLANT ROOTS. SOV. PLANT PHYSIOL. 25: 26-30. 1978. PEA; CORN GRAMINEAE: ZEA MAYS; LEGUMINOSAE: PISUM SATIVUM WATER CULTURE SODIUM, SULFATE, CHLORIDE, NITRATE, AMMONIUM GLUTAMATE DEHYDROGENASE, GLUTAMINE SYNTHETASE

706. RAMAGE, R. T. GENETIC METHODS TO BREED SALT TOLERANCE IN PLANTS. IN: GENETIC ENGINEERING OF OSMOREGULATION: IMPACT ON PLANT PRODUCTIVITY FOR FOOD, CHEMICALS, AND ENERGY. D. W. RAINS, R. C. VALENTINE, AND A. HOLLAENDER (EDS) PLENUM PRESS, NEW YORK. 311-318. 1980. SALINE WATER, SALINE SOIL SALT TOLERANCE

707. RAMANA, K. V.; RAO, K. R. EFFECT OF GIBBERELLIC ACID ON THE SALT INDUCED GROWTH OF GROUNDNUT (ARACHIS HYPOGAEA L.) SEEDLINGS. ANDHRA AGRIC. J. 17:44-48. 1970. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA GERMINATION DISHES GIBBERELLIC ACID, SODIUM, CHLORIDE, CARBONATE ROOT GROWTH, SEEDLING GROWTH

708. RAMMUNO, J. N. FORRAGJERAS CULTIVADAS PARA SUELOS SALINOS Y/O ALCALINOS. CULTIVATED FORAGES FOR SALINE AND/OR ALKALINE SOILS. (SPA.) EST. EXP. REG. AGROP. MARCOS JUAREZ (ARGENTINA) HOJA INFORMATIVA 5 PP. 1980. WHEATGRASS; WHEATGRASS, TALL: RHODES GRASS; CLOVER, WHITE SWEET; CLOVER, YELLOW SWEET; WEEPING LOVE GRASS; FESCUE, REED; CLOVER, WHITE; CHICORY GRAMINEAE: AGROPYRON SCABRIFOLIUM, AGROPYRON ELONGATUM, CHLORIS GAYANA, ERAGROSTIS CURVULA, FESTUCA ELATIOR; LEGUMINOSAE: MELILOTUS ALBA, MELILOTUS OFFICINALIS, TRIFOLIUM REPENS; COMPOSITAE: CICHORIUM

709. RANWELL, D. S.; WINN, J. M.; ALLEN, S. E. ROAD SALTING EFFECTS ON SOIL AND PLANTS. SODIUM IN ROADSIDE VERGE SOIL AND VEGETATION AND USE OF SALT FOR DE-ICING. NATURAL ENVIRON. RES. COUNCIL. : 21 PP. 1973. GRASSES; LEGUMES; TREE; SHRUB FIELD, SOIL DEICING SALT SALT TOLERANCE

710. RAO, G. G., ROSE, B. V.; RAO, G. R. SALT INDUCED ANATOMICAL CHANGES IN THE LEAVES OF PIGEON PEA (CAJANUS INDICUS SPRENG.) AND CLUSTER BEAN (CYAMOPSIS TETRAGONOLOBA (L) TABU.). PROC. INDIAN ACAD. SCI., SEC. B., 88: 293-301. 1979. CAJAN; GUAR LEGUMINOSAE: CAJANUS CAJAN, CYAMOPSIS TETRAGONOLOBUS POT, SOIL SODIUM, CHLORIDE VEGETATIVE GROWTH, CHLOROPLAST, XYLEM, PHLOEM, ANATOMICAL RESPONSE

711. RAO, G. G.; BASHA, S. K. M.; RAO, G. R. EFFECT OF NACL SALINITY ON AMOUNT AND COMPOSITION OF EPICUTICULAR WAX AND CUTICULAR TRANSPIRATION RATE IN PEANUT ARACHIS HYPOGAEA L. INDIAN J. EXP. BIOL. 19: 880-881. 1981. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA POT, SOIL SODIUM, CHLORIDE EPICULICULAR WAX, TRANSPIRATION

712. RAO, G. G.; MALLIKARJUNA, K.; RAO, P. G.; RAO, G. R. PHYSIOLOGICAL CHANGES IN EARLY SEEDLING GROWTH OF GREEN GRAM UNDER NACL SALINITY. INDIAN J. EXP. BIOL. 18: 320-322. 1980. BEAN, MUNG LEGUMINOSAE: VIGNA RADIATA GERMINATION DISHES SODIUM, CHLORIDE CARBOHYDRATE, SUGAR, REDUCING SUGAR, STARCH, PROTEIN, PROTEIN NITROGEN, NITROGEN, AMINO ACID

713. RAO, G. G.; RAMAIAH, J. K.; RAO, G. R. SALINITY INDUCED CHANGES IN THE ACTIVITIES OF ASPARTATE AND ALANINE AMINO TRANSFERASES AND GLUTAMATE DEHYDROGENASE IN PEANUT (ARACHIS HYPOGAEA L.) LEAVES. INDIAN J. EXP. BOT. 19: 771-772. 1981. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA POT, SOIL SODIUM, CHLORIDE ENZYME, GLUTAMATE DEHYDROGENASE, ASPARTATE AMINOTRANSFERASE, ALANINE

714. RAO, G. G.; RAO, G. R. PIGMENT COMPOSITION AND CHLOROPHYLLASE ACTIVITY IN PIGEON PEA (CAJANUS INDICUS SPRENG) AND

GINGELLEY (SESAMUM INDICUM L.) UNDER NACL SALINITY. INDIAN J. EXP. BIOL. 19: 768-770. 1981. PEA, PIGEON; SESAME LEGUMINOSAE: CAJANUS INDICUS; PEDALIACEAE: SESAMUM INDICUM POT, SOIL SODIUM, CHLORIDE CHLOROPHYLL, CAROTENOIDS, CHLOROPHYLL "A", CHLOROPHYLL "B", CHLOROPHYLLASE ACTIVITY

715. RAO, G. G.; RAO, G. R. SALINITY INDUCED CHANGES IN KETOACIDS IN THE LEAVES OF PIGEON PEA. INDIAN J. EXP. BIOL. 16: 270-271. 1978. CAJAN; PEA, PIGEON LEGUMINOSAE: CAJANUS CAJAN SOIL, POT SODIUM, CHLORIDE KETOACIDS, PHOSPHOENOL PYRUVIC ACID, PYRUVIC ACID, OXALOACETIC ACID, GLYOXYLIC ACID, KETOGLUTARIC ACID

716. RAO, G. G.; RAO, G. R. SODIUM CHLORIDE SALINITY INDUCED KETO ACID AND AMINO ACID CHANGES IN GROUNDNUT (ARACHIS HYPOGAEA L.) LEAVES. INDIAN J. PLANT PHYSIOL. 22: 121-126. 1979. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA POT, SOIL SODIUM, CHLORIDE KETOACIDS, AMINO ACID, KETOGLUTARIC ACID, GLYOXYLIC ACID, PYRUVIC ACID, PHOSPHOENOL PYRUVIC ACID, OXALOACETIC ACID

717. RAO, K. B.; BHAT, G. G.; BHARAMAGOWDAR, T. D.; PANCHAKSHARAIAH, S. HYDROCYANIC ACID CONTENT IN SORGHUM AS AFFECTED BY AGE AND SOIL SALINITY. CURR. SCI. 47:95-96. 1978. SORGHUM GRAMINEAE: SORGHUM BICOLOR FIELD PLOT VARIETY, SODIUM, CHLORIDE, CALCIUM, MAGNESIUM, SULFATE, BICARBONATE HYDROCYANIC ACID

718. RAO, K. S.; DAS, V. S. R. LEVELS OF MITOCHONDRIAL ENZYME ACTIVITY IN ARACHIS HYPOGAEA L. SEEDLINGS GROWN UNDER STRESS OF CHLORIDE AND CARBONATE OF SODIUM INDIAN J. EXP. BIOL. 17: 406-408. 1979. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA GERMINATION DISH SODIUM, CHLORIDE, CARBONATE ENZYME ACTIVITY, MITOCHONDRIA, SUCCINATE, DEHYDROGENASE, CYTOCHROME OXIDASE

719. RAO, K. S.; DAS, V. S. R. MITOCHONDRIAL CATION ACCUMULATION IN ARACHIS-HYPOGAEA L. SEEDLINGS UNDER SALINE AND ALKALINE STRESS. INDIAN J. EXP. BIOL. 16: 840-842. 1978. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA GERMINATION DISHES SODIUM, CHLORIDE, CARBONATE MITOCHONDRIA, MINERAL COMPOSITION

720. RASHID, A. EFFECT OF TYPE OF SALINITY ON DRY MATTER YIELD AND CHEMICAL COMPOSITION OF WHEAT CROP. PROC. SEMINAR MEMBRANE BIOPHYSICS AND DEVELOPMENT SALT TOLERANCE IN PLANTS (FAISALABAD, PAKISTAN) MARCH 11-21. 1978. 210-214. WHEAT GRAMINEAE: TRITICUM AESTIVUM GREENHOUSE, SAND, SOIL, POT SODIUM, CHLORIDE YIELD, SODIUM UPTAKE

721. RASHID, M.; FASAHAT A. K. M. RESPONSE OF SOME NEW CORN VARIETIES TO FERTILIZERS UNDER ARTIFICIAL SALINE CONDITIONS. ZANCO SER. A PURE APPL. SCI. 5: 1-15. 1979. CORN GRAMINEAE: ZEA MAYS GREENHOUSE, POT, SOIL SODIUM, CHLORIDE, SULFATE, BICARBONATE VEGETATIVE GROWTH, ASH, NITROGEN, PHOSPHORUS

722. RASMUSSEN, G. K.; FURR, J. R.; COOPER, W. C. ETHYLENE PRODUCTION BY CITRUS LEAVES FROM TREES GROWN IN ARTIFICIALLY SALINIZED PLOTS. J. AM. SOC. HORTIC. SCI. 94: 640-641. 1969. LEMON RUTACEAE: CITRUS LIMON SOIL SODIUM, CALCIUM, CHLORIDE ETHYLENE, CHLORIDE UPTAKE

723. RASUL, E.; YAQUB, M. EFFECT OF SALINITY ON ULTRASTRUCTURE OF PLANTS. PROC. SEMINAR MEMBRANE BIOPHYSICS AND DEVELOPMENT SALT TOLERANCE IN PLANTS (FAISALABAD, PAKISTAN) MARCH 11-21, 1978: 32-36. SODIUM, CHLORIDE SALT TOLERANCE, MITOCHONDRIA, SALT GLANDS, CELL NUCLEUS, CHLOROPLAST

724. RATHERT, G.; DOERING, H. W. INFLUENCE OF EXTREME K:NA RATIOS AND HIGH SUBSTRATE SALINITY ON PLANT METABOLISM OF CROPS

DIFFERING IN SALT TOLERANCE. II. K/NA EFFECTS ON GROWTH AND MINERAL REGULATION OF DIFFERENT SALT TOLERANT SOYBEAN VARIETIES. J. PLANT NUTR. 3: 987-996. 1981. BEAN, BUSH; SOYBEAN; BEET, SUGAR LEGUMINOSAE: PHASEOLUS VULGARIS, GLYCINE MAX; CHENOPODIACEAE: BETA VULGARIS GROWTH CHAMBER, POT SODIUM, CHLORIDE, SULFATE YIELD, ROOT GROWTH, VEGETATIVE GROWTH, HEIGHT

725. RATHERT, G.; DOERING, H. W.; WITT, J. INFLUENCE OF EXTREME K:NA RATIOS AND HIGH SUBSTRATE SALINITY ON PLANT METABOLISM OF CROPS DIFFERING IN SALT TOLERANCE. I. K/NA EFFECTS ON GROWTH, MINERAL UPTAKE AND DISTRIBUTION OF EXTREME SALT TOLERANT CROP SPECIES. J. PLANT NUTR. 3: 967-986. 1981. BEAN, BUSH; SOYBEAN; BEET, SUGAR LEGUMINOSAE: PHASEOLUS VULGARIS, GLYCINE MAX; CHENOPODIACEAE: BETA VULGARIS GERMINATION DISH, POT SODIUM SODIUM UPTAKE, CALCIUM UPTAKE, LEAF FREQUENCY, SALT TOLERANCE, YIELD, VEGETATIVE GROWTH

726. RATHORE, A. K.; SHARMA, R. K.; LAL, P. RELATIVE SALT TOLERANCE OF DIFFERENT VARIETIES OF BARLEY (HORDEUM VULGARE L .) AT GERMINATION AND SEEDLING STAGE. ANN. ARID ZONE 16: 53-60. 1977. BARLEY GRAMINEAE: HORDEUM VULGARE GERMINATION DISHES VARIETY, CALCIUM, MAGNESIUM, SODIUM, CHLORIDE GERMINATION

727. RAUF, A. SALT TOLERANCE STUDIES OF WHEAT C-273 AND MAXIPAK (RED.). BANGLADESH J. SOIL SCI. 6:32-37. 1970. WHEAT GRAMINEAE: TRITICUM AESTIVUM FIELD PLOT, SOIL SALINE SOIL GRAIN YIELD, STRAW YIELD, VEGETATIVE GROWTH

728. RAUF, A.; JAVED, Q.; MUHAMMED, S.; MUHAMMED, W. SALT TOLERANCE STUDIES ON WHEAT SEEDS COLLECTED FROM SALT-AFFECTED AREAS. PROC. SEMINAR MEMBRANE BIOPHYSICS AND DEVELOPMENT SALT TOLERANCE IN PLANTS (FAISALABAD, PAKISTAN) MARCH 11-21. 1978: 215-221. WHEAT GRAMINEAE: TRITICUM AESTIVUM SOIL, POT SODIUM, CHLORIDE, CALCIUM GERMINATION, TILLERING, HEIGHT, GRAIN YIELD

729. RAUF, A.; MIAN, M. A. EFFECT OF SALTS ON THE GROWTH PERFORMANCE OF SORGHUM 100 AND WHEAT C250. PAK. J. SCI. 19: 87-96. 1967. SORGHUM; WHEAT GRAMINEAE: SORGHUM BICOLOR, TRITICUM AESTIVUM SOIL, POT SODIUM, CHLORIDE, MAGNESIUM, SULFATE, CARBONATE, BICARBONATE GERMINATION, VEGETATIVE GROWTH, GRAIN YIELD, STRAW YIELD

730. RAY, N. BURMAN, R. K.; SHARMA, S. C.; AGRAWAL, V. K. EFFECT OF DIFFERENT LEVELS OF ALKALINITY ON THE PERFORMANCE OF WHEAT IN BLACK COTTON SOIL. INDIAN AGRIC. 21: 121-127. 1977. WHEAT GRAMINEAE: TRITICUM AESTIVUM SOIL, POT SODIUM, BICARBONATE VEGETATIVE GROWTH, GERMINATION, HEIGHT, GRAIN WEIGHT, GRAIN YIELD, MINERAL COMPOSITION

731. RESNICK, M. E. TOXICIDAD DEL SODIO EN PLANTULAS DE PALTA Y DISTRIBUCION DE ESE ELEMENTO EN LAS ZONAS DE IAS HOJAS. SODIUM TOXICITY AND CONTENT IN AFFECTED LEAF AREAS OF AVOCADO SEEDLINGS. (SPA; ENG SUM) REV. INVEST. AGRO. PECU., SER. 2, 3: 341-345. 1966. AVOCADO LAURACEAE: PERSEA AMERICANA SOIL SODIUM, CARBONATE SODIUM UPTAKE, TOXICITY SYMPTOM

732. RICHARDS, R. A.; DENNETT, C. W.; SCHALLER, C. W.; QUALSET, C. O.; EPSTEIN, E. SELECTION FOR YIELD IN CEREALS FOR SALT-AFFECTED CROPLANDS. BIOSALINE RESEARCH: A LOOK TO THE FUTURE. A. SAN PIETRO (ED.). PLENUM PUBL. CORP. 535-537. 1982. WHEAT; BARLEY GRAMINEAE: TRITICUM AESTIVUM, HORDEUM VULGARE FIELD SALINE SOIL SELECTIVE BREEDING, VEGETATIVE GROWTH, GRAIN YIELD

733. RICHARDSON, S. G.; MC KELL, C. M. SALT TOLERANCE OF TWO SALTBUSH SPECIES GROWN IN PROCESSED OIL SHALE. J. RANGE MANAGE. 33: 460-463. 1980. SALTBUSH, FOURWING; SALTBUSH, CUNEATA CHENOPODIACEAE: ATRIPLEX CANESCENS, ATRIPLEX CUNEATA GREENHOUSE SODIUM, CHLORIDE, OIL SHALE VEGETATIVE GROWTH

734. RICHARDSON, S. G.; MC KELL, C. M. WATER RELATIONS OF ATRIPLEX CANESCENS AS AFFECTED BY THE SALINITY AND MOISTURE PERCENTAGE OF PROCESSED OIL SHALE. AGRON. J. 72: 946-950. 1980. SALTBUSH, FOUR-WING CHENOPODIACEAE: ATRIPLEX CANESCENS GREENHOUSE, POT, OIL SHALE SODIUM, MAGNESIUM, SULFATE VEGETATIVE GROWTH, MINERAL COMPOSITION, WATER POTENTIAL, WATER VAPOR DIFFUSION

735. RIEKE, P. E.; DAVIS, J. F. BORAX TOXICITY IN WHITE PEA BEANS. Q. BULL. MICH. AGRIC. EXP. ST. 46: 401-406. 1964. BEAN LEGUMINOSAE: PHASEOLUS SOIL, FIELD BORON VEGETATIVE GROWTH, SEED YIELD

736. RIZK, T. Y.; AL-HASAN, A. M.; EL-TEKRITI, R. A.; ALAWI, B. J. EFFECT OF SALINITY ON GERMINATION AND SEEDLING VIGOR OF SOME ANNUAL MEDICS MEDICAGO SPP. MESOPOTAMIA J. AGRIC. 13: 105-121. 1978. MEDIC LEGUMINOSAE: MEDICAGO POLYMORPHA, MEDICAGO ROTATA, MEDICAGO ORBICULARIS, MEDICAGO SCUTELLATA GERMINATION DISHES SODIUM, CHLORIDE, CALCIUM GERMINATION, VEGETATIVE GROWTH, SEEDLING GROWTH

737. RIZK, T. Y.; ALI, H. A.; AL-HASAN, A. M. EFFECT OF VARYING CONCENTRATIONS OF CERTAIN SALTS ON GERMINATION AND SEEDLING VIGOR OF TWO RAPE (BRASSICA NAPUS) VARIETIES. MESOPOTAMIA J. AGRIC. 14: 25-40. 1979. RAPE CRUCIFERAE: BRASSICA NAPUS GERMINATION DISH SODIUM, CHLORIDE, CALCIUM, VARIETY GERMINATION, SEEDLING GROWTH, VEGETATIVE GROWTH

738. RIZVI, S. J. H.; JAISWAL, V.; MATHUR, S. N. NITRATE REDUCTASE AND PEROXIDASE ACTIVITIES IN LEAVES OF VIGNA MUNGO (L.). HEPPER AS AFFECTED BY SODIUM CHLORIDE. NAT. ACAD. SCI. LETT., INDIA. 2: 171-173. 1979. GRAM, BLACK LEGUMINOSAE: VIGNA MUNGO SAND SODIUM, CHLORIDE NITRATE UPTAKE, PEROXIDASE ACTIVITY, ENZYME

739. ROBINSON, F. E. IRRIGATION RATES CRITICAL IN IMPERIAL VALLEY ALFALFA. CALIF. AGRIC. 34: 18. 1980. ALFALFA LEGUMINOSAE: MEDICAGO SATIVA FIELD SPRINKLER IRRIGATION, APPLICATION RATE LEAF BURN

740. ROBINSON, F. E. PREDICTED AND ACTUAL YIELD DECLINE FROM FIFTY PERCENT INCREASE IN SALINITY OF THE COLORADO RIVER. IN: MANAGING SALINE WATER FOR IRRIGATION, PROC. INTER. SALINITY CONF. TEXAS TECH. UNIV., AUGUST 1976: 170-174. ONION; WHEAT; BEAN; CABBAGE; CARROT; ALFALFA AMARYLLIDACEAE: ALLIUM CEPA; GRAMINEAE: TRITICUM AESTIVUM; LEGUMINOSAE: PHASEOLUS VULGARIS, MEDICAGO SATIVA; UMBELLIFERAE: DAUCUS CAROTA VAR SATIVA; CRUCIFERAE: BRASSICA OLERACEA VAR CAPITATA FIELD PLOT, SOIL SODIUM, BICARBONATE, CHLORIDE, MAGNESIUM, SULFATE, CALCIUM YIELD

741. ROCHA FILHO, J. V. ; HAAG, H. P.; OLIVEIRA, G.; SARRUGE, J. R. INFLUENCIA DO BORON NO CRESCIMENTO E NA COMPOSICAO QUIMICA DE EUCALYPTUS GRANDIS. INFLUENCE OF BORON ON GROWTH AND CHEMICAL COMPOSITION OF EUCALYPTUS-GRANDIS. (POR; ENG SUM). AN ESC. SUPER AGRIC. "LUIZ DE QUEIROZ" UNIV. SAO PAULO 36: 139-151. 1979. EUCALYPTUS MYRTACEAE: EUCALYPTUS GRANDIS BORON

742. ROKBA, A. M.; ABDEL-MESSIN, M. N. BREEDING AND SCREENING SOME CITRUS ROOTSTOCKS FOR SALT TOLERANCE IN EGYPT. EGYPTIAN J. HORTIC. 6: 69-79. 1979. ORANGE, SOUR; ORANGE, MANDARIN; LEMON, ROUGH; ORANGE, POORMAN RUTACEAE: CITRUS AURANTIUM, CITRUS RETICULATA, CITRUS LIMON POT, SOIL, GREENHOUSE SODIUM, CHLORIDE, CALCIUM VEGETATIVE GROWTH

743. ROMNEY, E. M.; WALLACE, A. ECOTONAL DISTRIBUTION OF SALT-TOLERANT SHRUBS IN THE NORTHERN MOJAVE DESERT. GREAT BASIN NAT. MEM. 134-139. 1980. ECOLOGY

744. ROSS, H. A.; HEGARTY, T. W. ACTION OF GROWTH REGULATORS ON LUCERNE GERMINATION AND GROWTH UNDER WATER STRESS. NEW PHYTOL. 85; 495-501. 1980. ALFALFA LEGUMINOSAE: MEDICAGO SATIVA GERMINATION DISH POLYETHYLENE GLYCOL, SODIUM, CHLORIDE, KINETIN, ETHREL GERMINATION, ROOT GROWTH

745. ROTH, D.; WALL, G. ENVIRONMENTAL EFFECTS OF HIGHWAY DEICING SALTS. J. SOIL WATER CONSERV. 31: 71-73. 1976. CALCIUM, SODIUM, CHLORIDE, DEICING SALT

746. ROZEMA, J.; BUIZER, D. A. G.; FABRITIUS, H. E. POPULATION DYNAMICS OF GLAUX-MARITIMA AND ECOPHYSIOLOGICAL ADAPTATIONS TO SALINITY AND INUNDATION. OIKOS 30: 539-548. 1978. SEA-MILKWORT PRIMULACEAE: GLAUX MARITIMA FIELD PLOT, SAND, WATER CULTURE SEA WATER, SODIUM, CHLORIDE, MANNITOL, POTASSIUM PROLINE, MALATE DEHYDROGENASE, VEGETATIVE GROWTH, MINERAL COMPOSITION, NITRATE REDUCTASE, MALATE CITRATE

747. ROZEMA, J.; ROZEMA-DIJST, E.; FREIJSEN, A. H. J.; HUBER, J. J. L. POPULATION DIFFERENTIATION WITHIN FESTUCA RUBRA L. WITH REGARD TO SOIL SALINITY AND SOIL WATER. OECOLOGIA, 34: 329. 1978. FESCUE, RED GRAMINEAE: FESTUCA RUBRA GREENHOUSE, SAND CULTURE SODIUM, CHLORIDE VEGETATIVE GROWTH, PROLINE, CHLORIDE UPTAKE, SODIUM UPTAKE

748. RUDRAKSHA, G. B.; BHARAMBE, P. R.; VARADE, S. B. RECLAMATION OF ALKALI SOIL WITH RICE CULTURE IN ASSOCIATION WITH DIFFERENT AGRICULTURAL WASTES. J. MAHARASHTRA AGRIC. UNIV. 3: 160-161. 1978. RICE GRAMINEAE: ORYZA SATIVA FIELD ALKALINE SOIL STRAW YIELD, GRAIN YIELD

749. RUGE, U.; STACH, W. UBER DIE SCHADIGUNG VON STRABENBAUMEN DURCH AUFTAUSALZE. DAMAGE ON ROADSIDE TREES CAUSED BY DEICING SALTS. (GER.) ANGEW. BOTANIK. 42: 69-77. 1968. LINDEN, EUROPEAN; PLANE TREE, LONDON; CHESTNUT, HORSE TILIACEAE: TILIA EUROPAEA; PLATANACEAE: PLATANUS ACERIFOLIA; HIPPOCASTANACEAE: AESCULUS HIPPOCASTANUM DEICING SALT CHLORIDE UPTAKE, SODIUM UPTAKE, MINERAL COMPOSITION

750. RUHAL, D. S.; DEO. R. NOTE ON THE EFFECT OF BORON IN IRRIGATION WATER ON SONORA 64 WHEAT (TRITICUM AESTIVUM L.). INDIAN J. AGRIC. SCI. 41: 577-578. 1971. WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, SOIL BORON, SOIL TYPE VEGETATIVE GROWTH, NITROGEN UPTAKE, PHOSPHORUS UPTAKE, CALCIUM UPTAKE, BORON UPTAKE

751. RUSH, D. W.; EPSTEIN, E. BREEDING AND SELECTION OF SALT TOLERANCE BY THE INCORPORATION OF WILD GERMPLASM INTO A DOMESTIC TOMATO. J. AM. SOC. HORTIC. SCI. 106: 699-704. 1981. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM, LYCOPERSICON CHEESMANII SAND, GREENHOUSE, PEAT MOSS, WATER CULTURE SEA WATER GERMINATION, SEEDLING GROWTH, FRUIT QUALITY

752. RUSH, D. W.; EPSTEIN, E. COMPARATIVE STUDIES ON THE SODIUM, POTASSIUM, AND CHLORIDE RELATIONS OF A WILD HALOPHYTIC AND A DOMESTIC SALT-SENSITIVE TOMATO SPECIES. PLANT PHYSIOL. 68: 1308-1313. 1981. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM, LYCOPERSICON CHEESMANII WATER CULTURE POTASSIUM, CHLORIDE ION TRANSLOCATION, POTASSIUM ABSORPTION

753. RUSH, D. W.; KELLEY, D. B.; RICHARDS, R.; NORLYN, J. D.; KINGSBURY, R. W.; CUNNINGHAM, G. A. SALT-TOLERANT CROPS SOLUTION TO A COMPLEX PROBLEM. CROPS SOILS 34: 12-16. 1981. BARLEY; WHEAT; TOMATO GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM; SOLANACEAE: LYCOPERSICON ESCULENTUM GREENHOUSE, FIELD PLOT, SOIL SODIUM, CHLORIDE, CALCIUM, SALINE WATER, SALINE SOIL, SEA WATER VEGETATIVE GROWTH, GERMINATION, YIELD

754. SACHER, R. F.; STAPLES, R. C.; ROBINSON, R. W. SALINE TOLERANCE IN HYBRIDS OF LYCOPERSICON ESCULENTUM X SOLANUM PENELLII AND SELECTED BREEDING LINES. BIOSALINE RESEARCH: A LOOK TO THE FUTURE. A. SAN PIETRO (ED.), PLENUM PUBL. CORP. 325-336. 1982. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM, SOLANUM PENNELLII SODIUM, CHLORIDE INHERITANCE, COLD HARDINESS, SODIUM UPTAKE, CHLORIDE UPTAKE, ION CONTENT, VEGETATIVE GROWTH

755. SAINI, H. S.; SRIVASTAVA, A. K. OSMOTIC STRESS AND THE NITROGEN METABOLISM OF 2 GROUNDNUT (ARACHIS HYPOGAEA L.) CULTIVARS. IRRIG. SCI. 2: 185-192. 1981. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA GERMINATION DISHES, POT POLYETHYLENE GLYCOL OSMOTIC POTENTIAL, TURGIDITY

756. SAINT-CLAIR, P. M. GERMINATION OF SORGHUM BICOLOR UNDER POLYETHYLENE GLYCOL-INDUCED STRESS. CAN. J. PLANT SCI. 56: 21-24. 1976. SORGHUM GRAMINEAE: SORGHUM BICOLOR GERMINATION DISH POLYETHYLENE GLYCOL GERMINATION

757. SAKAI, K.; RODRIGO, M. STUDIES ON A LABORATORY METHOD OF TESTING SALINITY RESISTANCE IN RICE VARIETIES. TROP. AGRIC. 116: 179-184. 1960. RICE GRAMINEAE: ORYZA SATIVA POT, WATER CULTURE SODIUM, CHLORIDE SALT TOLERANCE

758. SALAMA, F. M.; KHODARY, S. E. A.; HEIKAL, M. M. EFFECT OF SOIL SALINIY AND IAA ON GROWTH, PHOTOSYNTHETIC PIGMENTS, AND MINERAL COMPOSITION OF TOMATO AND ROCKET PLANTS. PHYTON 21: 177-188. 1981. TOMATO; ROCKET SOLANACEAE: LYCOPERSICON ESCULENTUM; CRUCIFERAE: ERUCA SATIVA SAND, POT, SOIL SODIUM, CHLORIDE VEGETATIVE GROWTH, PHOTOSYNTHESIS, OSMOTIC POTENTIAL, TRANSPIRATION, MINERAL COMPOSITION, WATER CONTENT, PIGMENT

759. SALIM, M.; ASLAM, Z.; SANDHU, G. R.; QURESHI, R. H. SOIL SODICITY EFFECTS ON THE GROWTH AND CHEMICAL COMPOSITION OF SESBANIA ACULEATA. PROC. SEMINAR MEMBRANE BIOPHYSICS AND DEVELOPMENT SALT TOLERANCE IN PLANTS (FAISALABAD, PAKISTAN) MARCH 11-21, 1978: 189-13. SESBANIA LEGUMINOSAE: SESBANIA ACULEATA SOIL, POT SODIUM, CHLORIDE YIELD, SODIUM UPTAKE, CALCIUM UPTAKE, CHLORIDE UPTAKE, GERMINATION, NODULATION, VEGETATIVE GROWTH

760. SALINAS, M. R.; CERDA, A.; ROMERO, M.; CARO, M. BORON TOLERANCE OF PEA (PISUM SATIVUM). J. PLANT NUTR. 4: 205-215. 1981. PEA LEGUMINOSAE: PISUM SATIVUM GREENHOUSE, SAND, POT BORON BORON TOXICITY, BORON UPTAKE, CALCIUM UPTAKE, YIELD, MINERAL COMPOSITION

761. SANCHEZ CONDE, M. P. INFLUENCIA DEL SULFATO MAGNESICO EN LA PRODUCCION Y CONTENIDO DE ELEMENTOS MINERALES DE PLANTAS DE TOMATE SOMETIDAS A DIFERENTES CONCENTRACIONES DE CLORURO SODICO MAS CLORURO CALICO. INFLUENCE OF MGSO4 ON THE PRODUCTION AND MINERAL ELEMENT CONTENT OF TOMATO PLANT CULTIVATED WITH DIFFERENT CONCENTRATIONS OF NACL + CACL2. (SPA; ENG SUM.). ANAL. EDAF. AGROB. 37: 277-294. 1978. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM WATER CULTURE SODIUM, CHLORIDE, CALCIUM, MAGNESIUM, SULFATE FRUIT WEIGHT, VEGETATIVE GROWTH, INFLORESCENCE, MINERAL COMPOSITION

762. SANCHEZ CONDE, M. P.; AZUARA, P. EFFECTO DE SOLUCIONES DE CONCENTRACIONES ISOOSMOTICAS DE NACL O PEG-4000 EN EL CONTENIDO MINERAL DE PLANTAS DE TOMATE (LYCOPERSICON ESCULENTUM). EFFECT OF OSOOSMOTIC SOLUTIONS OF NACL OR PEG-4000 ON MINERAL CONTENTS OF TOMATO PLANTS (LYCOPERSICON ESCULENTUM). (SPA; ENG SUM). AGROCHIMICA 23: 377-386. 1979. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM WATER CULTURE SODIUM, CHLORIDE, POLYETHYLENE GLYCOL MINERAL COMPOSITION

763. SANCHEZ CONDE, M. P.; AZUARA, P. EVALUACION DE LOS EFFECTOS DE DISOLUCIONES ISOTONICAS DE NACL O PEG-4000 EN PLATAS DE MAIZ (ZEA MAYS). EVALUATION OF THE EFFECTS OF ISO OSMOTIC SOLUTIONS OF SODIUM CHLORIDE OR POLYETHYLENE GLYCOL 4000

IN THE MAIZE PLANT ZEA-MAYS. (SPA; ENG SUM). AN. EDAFOL. AGROBIOL. 39: 1331-1342. 1980. CORN GRAMINEAE: ZEA MAYS WATER CULTURE SODIUM, CHLORIDE, POLYETHYLENE GLYCOL VEGETATIVE GROWTH, MINERAL COMPOSITION

764. SANCHEZ CONDE, M. P.; AZUARA, P. OSMOTIC AND SPECIFIC EFFECTS OF MAGNESIUM SULPHATE ON THE MINERAL CONTENT OF ZEA MAYS. PLANT SOIL 55: 121-131. 1980. CORN GRAMINEAE: ZEA MAYS WATER CULTURE, POT, GREENHOUSE MAGNESIUM, OSMOTIC PRESSURE, SULFATE WATER CONTENT, CATION EXCHANGE, MINERAL COMPOSITION

765. SANCHEZ-DIAZ, M.; APARICIO-TEJO, P.; GONZALEZ-MURUA, C.; PENA, J. I. THE EFFECT OF NACL SALINITY AND WATER STRESS WIH POLYETHYLENE GLYCOL IN NITROGEN FIXATION, STOMATAL RESPONSE AND TRANSPIRATION OF MEDICAGO SATIVA, TRIFOLIUM REPENS AND TRIFOLIUM BRACHYCALYCINUM (SUBCLOVER). PHYSIOL. PLANT 54: 361-366. 1982. ALFALFA; CLOVER, WHITE; SUBCLOVER LEGUMINOSAE: MEDICAGO SATIVA, TRIFOLIUM REPENS, TRIFOLIUM BRACHYCALYCINUM POT, GREENHOUSE POLYETHYLENE GLYCOL, SODIUM, CHLORIDE TRANSPIRATION, NITROGEN FIXATION, LEAF WATER POTENTIAL, OSMOTIC POTENTIAL

766. SANDHU, G. R.; ASLAM, Z.; SALIM, M.; SATTAR, A.; QURESHI, R. H.; AHMAD, N.; WYN JONES, R. G. THE EFFECT OF SALINITY ON THE YIELD AND COMPOSITION OF DIPLACHNE FUSCA (KALLAR GRASS). PLANT, CELL ENVIRON. 4: 177-181. 1981. KALLAR GRASS GRAMINEAE: DIPLACHNE FUSCA POT, GRAVEL SODIUM, CHLORIDE, SULFATE, CALCIUM, MAGNESIUM YIELD, ASH, MINERAL COMPOSITION, GLYCINE, BETAINE, PROLINE, CHOLINE, PROTEIN, LIPID

767. SANDS, R.; CLARKE, A. R. P. RESPONSE OF RADIATA PINE TO SALT STRESS. I. WATER RELATIONS, OSMOTIC ADJUSTMENT AND SALT UPTAKE. AUST. J. PLANT PHYSIOL. 4: 637-646. 1977. PINE, MONTEREY PINACEAE: PINUS RADIATA WATER CULTURE CALCIUM, SODIUM, CHLORIDE, POLYETHYLENE GLYCOL PROLINE, TRANSPIRATION, WATER POTENTIAL, MINERAL COMPOSITION

768. SANDU, G.; JACOB, E.; ISPAS, E.; DRACEA, M. SALINITY OF SALINE AND ALKALINE SOILS IN THE ROMANIAN PLAIN SPAIN AS INFLUENCED BY COMPLEX ESCLAMATION AND CULTIVATION WORKS. AN. EDAFOL AGROBIOL. 39: 155-168. 1980. FIELD, SOIL NITROGEN, LEACHING, SALINE SOIL, ALKALINE SOIL, RECLAMATION EXCHANGEABLE SODIUM PERCENTAGE

769. SANDU, S. S.; ABROL, I. P. GROWTH RESPONSES OF EUCALYPTUS TERETICORNIS AND ACACIA NILOTICA TO SELECTED CULTURAL TREATMENTS IN A HIGHLY SODIC SOIL. INDIAN J. AGR. SCI. 51: 437-443. 1981. FOREST RED GUM;GUM-ARABIC MYRTACEAE: EUCALYPTUS TERETICORNIS; LEGUMINOSAE: ACACIA NILOTICA FIELD PLOT, SAND, SOIL GYPSUM ROOT GROWTH

770. SANIJVA REDDY M.; DAS, V. S. R. EFFECT OF SALINITY AND ALKALINIY ON CHLOROPLAST METABOLISM AND MINERAL CONSTITUENTS. INDIAN J. PLANT PHYSIOL. 21: 265-273. 1979. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA SOIL, POT SODIUM, CHLORIDE, CARBONATE CHLOROPLAST, PHOTOPHOSPHORYLATION, PHOTOREDUCTION, STARCH, SUGAR, REDUCING SUGAR, PROTEIN, MINERAL COMPOSITION

771. SAPARGEL'DYEV, G.; TAILAKOV, N. SOME CHARACTERISTICS OF THE GERMINATION OF SEED OF SOME FIELD CROPS IN MINERALIZED WATERS SALT RESISTANCE (RUS; ENG SUM). IZV. AKAD. NAUK. TURKM. SSR. SER. BIOL. NAUK 3: 60-63. 1977. BARLEY; SUDAN GRASS; WHEAT; RYE; CORN; COTTON; ALFALFA GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM, ZEA MAYS, SORGHUM SUDANENSE, SECALE CEREALE; LEGUMINOSAE: MEDICAGO SATIVA; MALVACEAE: GOSSYPIUM GERMINATION DISHES SALINE WATER GERMINATION

772. SARADADEVI, C.; RAJESWARA, RAO, G. NACL SALINITY-INDUCED CHANGES IN STOMATAL CHARACTERISTICS OF SAFFLOWER. PROC. INDIAN ACAD. SCI. 87B: 141-148. 1978. SAFFLOWER COMPOSITAE: CARTHAMUS TINCTORIUS POT, SOIL, GREENHOUSE SODIUM, CHLORIDE STOMATAL DENSITY

773. SARADADEVI, C.; RAO, G. G.; RAO, G. R. 14CO2 INCORPORATION STUDIES UNDER SALT-STRESS IN SAFFLOWER (CARTHAMUS TINCTORIUS L.). J. NUCLEAR AGRIC. BIOL. 9: 129-132. 1980. SAFFLOWER COMPOSITAE: CARTHAMUS TINCTORIUS POT, SOIL, GREENHOUSE SODIUM, CHLORIDE, RADIOACTIVE CARBON DIOXIDE VEGETATIVE GROWTH, CARBON DIOXIDE FIXATION

774. SARADADEVI, C.; RAO, G. R. INFLUENCE OF SALINITY ON STOMATAL BEHAVIOUR IN GROUNDNUT. INDIAN. J. PLANT PHYSIOL. 23: 174-180. 1980. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA POT SODIUM, CHLORIDE STOMATAL FREQUENCY, STOMATAL TYPE, STOMATAL DISTRIBUTION

775. SARADADEVI, C.; RAO, G. R. NACL SALINITY-INDUCED CHANGES IN STOMATAL CHARACTERISTICS OF SAFFLOWER. PROC. INDIAN ACAD. SCI. 87: 141-148. 1978. SAFFLOWER COMPOSITAE: CARTHAMUS TINCTORIUS POT, SOIL, GREENHOUSE SODIUM, CHLORIDE STOMATAL FREQUENCY, STOMATAL CHARACTERISTIC

776. SAXENA, H. K.; PANDEY, U. K. PHYSIOLOGICAL STUDIES ON SALT TOLRANCE OF TEN RICE VARIETIES. 1. GROWTH AND YIELD ASPECTS. INDIAN J. PLANT PHYSIOL. 24: 61-68. 1981. RICE GRAMINEAE: ORYZA SATIVA POT, SOIL SODIUM, CHLORIDE, CALCIUM YIELD, VEGETATIVE GROWTH, HEIGHT, TILLERING, CROP QUALITY, SEED WEIGHT

777. SAXENA, M. B. L.; KOLARKAR, A. S. EFFECT OF SALINITY ON THE GERMINATION AND GROWTH OF RADICLE AND PLUMULE OF BAJRA (PENNISETUM TYPHOIDES) VARIETIES. ANN. ARID ZONE 20: 203-207. 1981. MILLET, PEARL GRAMINEAE: PENNISETUM TYPHOIDES GERMINATION DISHES SODIUM, CHLORIDE GERMINATION, EMERGENCE, SEEDLING GROWTH, PLUMULE GROWTH, VEGETATIVE GROWTH

778. SCHARPF, R. F.; SRAGO, M. CONIFER DAMAGE AND DEATH ASSOCIATED WIH THE USE OF HIGHWAY DEICING SALT IN THE LAKE TAHOE BASIN OF CALIFORNIA AND NEVADA. USDA FOR. SER. FOR. PEST CONTROL-TECH. RPT 1: 1:6 PP. 1974. PINE, JEFFREY; FIR, WHITE; CEDAR, INCENSE; PINE, PONDEROSA; PINE, SUGAR; PINE, LODGEPOLE PINACEAE: PINUS JEFFREYI, PINUS LAMBERTIANA, PINUS PONDEROSA, ABIES CONCOLOR, PINUS CONTORTA VAR LATIFOLIA; CUPRESSACEAE: CALOCEDRUS DECURRENS FIELD, GREENHOUSE, SOIL DEICING SALT, SODIUM, CHLORIDE VISUAL SYMPTOMS, SODIUM UPTAKE, CHLORIDE UPTAKE

779. SCHIECHTL, H. M. NEUE ERGEBNISSE ZUR FRAGE DER RESISTENZ VON GEHOLZPFLANZEN GEGEN AUFTAUSALZE. NEW CONCLUSIONS TO THE QUESTION OF RESISTANCE OF WOOD PLANTS TO THAWING SALTS. (GER; ENG) GART LANDSCHAFT 88: 240-246. 1978. SNOWBERRY; HONEYSUCKLE, FLY; OLEASTER; MATRIMONY VINE; GOOSEBERRY, ENGLISH; ASH, EUROPEAN; ROSE; MAPLE, HEDGE; SALLOW THORN; PRIVET; MAPLE, NORWAY; WAYFARING TREE; HAWTHORN, ENGLISH; ADLER, WHITE CAPRIFOLIACEAE: SYMPHORICARPOS ALBUS VAR LAEVIGATUS, LONICERA XYLOSTEUM, VIBURNAM LANTANA; ELAEAGNACEAE: ELAEAGNUS ANGUSTIFOLIA, HIPPOPHAE RHAMNOIDES; SOLANACEAE: LYCIUM HAMILIFOLIUM; SAXIFRAGACEAE: RIBES UVA-CRISPA; OLEACEAE: FRAXINUS EXCELSIOR, LIGUSTRUM VULGARE; ROSACEAE: ROSA RUGOSA, CRATAEGUS MONOGYNA; ACERACEAE: ACER CAMPESTRE, ACER PLATANOIDES; BETULACEAE: ALNUS INCANA FIELD, SOIL SODIUM, CHLORIDE, DEICING SALT, SALT SPRAY

780. SCHLEIFF, U. CHLORIDE CONTENT OF ONION ROOTS AND THEIR ADHERING SOIL UNDER IRRIGATION WITH SALINE DRAINAGE WATER. Z. PFLANZ. BODENK. 143: 638-644. 1980. ONION AMARYLLIDACEAE: ALLIUM CEPA FIELD PLOT, SOIL SALINE WATER CHLORIDE UPTAKE

781. SCHLEIFF, U. MAXIMALE SALZKONZENTRATIONEN IN DER RHIZOSPHAREN BODENLOSUNG JUNGER ZUCKERRUBEN. MAXIMUM SALT CONCENTRATIONS IN THE RHIZOSPHERIC SOIL SOLUTION OF YOUNG SUGAR BEETS. (GER; ENG SUM). PLANT SOIL 64: 307-314. 1982. BEET, SUGAR CHENOPODIACEAE: BETA VULGARIS POT, SOIL, SAND SODIUM, CHLORIDE WATER POTENTIAL

782. SCHNURBEIN, C. VON UBER DEN ANTEIL VON NITRAT UND CHLORID AN DER ZUSAMMENSETZUNG DES ZELLSAFTES VON BLUTENPFLANZEN. PORTION OF NITRATE AND CHLORIDE IN CELL SAP OF HIGHER PLANTS. (GER.). FLORA A. 158: 577-593. 1967. SOIL NITRATE UPTAKE, CALCIUM UPTAKE, SULFATE UPTAKE, OSMOTIC PRESSURE

783. SCHWARTZ, P. A.; SAFAYA, N. M. SOME NUTRIENT DEFICIENCY AND TOXICITY SYMPTOMS IN SLENDER WHEATGRASS. PROC. N. D. ACAD. SCI. 31: 50-57. 1978. WHEATGRASS, SLENDER GRAMINEAE: AGROPYRON TRACHYCAULUM POT, WATER CULTURE BORON, COPPER, ZINC, MOLYBDENUM BORON TOXICITY, ROOT GROWTH, VEGETATIVE GROWTH, MINERAL COMPOSITION

784. SCOFIELD, C. S. THE EFFECT OF ABSORPTION BY PLANTS ON THE CONCENTRATION OF THE SOIL SOLUTION. J. AGRIC. RESEARCH 35: 745-756. 1927. BARLEY; WHEAT GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM WATER CULTURE, GREENHOUSE SALINE WATER TRANSPIRATION, MINERAL COMPOSITION

785. SCOFIELD, C. S. THE SALT WATER LIMITS OF WILD RICE. BUREAU OF PLANT INDUSTRY. BULL. 72 (PART 2): 3-8. 1905. RICE, WILD GRAMINEAE: ZIZANIA AQUATICA FIELD, SOIL BRACKISH WATER ECOLOGY

786. SEMUSHINA, L. A. SALT RESISTANCE OF WILD GROWING DESERT FODDER PLANTS KAZAKH-SSR USSR. (RUS). PROBL. OSVO. PUSTYN'. O. 73-75. 1980. KOCHIA; SAKSAUL CHENOPODIACEAE: HALOXYLON AMMODENDRON, KOCHIA PROSTRATA, SALSOLA ORIENTALIS, CAMPHOROSMA LESSINGI GERMINATION DISHES SODIUM, CHLORIDE GERMINATION, SALT TOLERANCE

787. SEPASKHAH, A. R.; BOERSMA, L. ELONGATION OF WHEAT LEAVES EXPOSED TO SEVERAL LEVELS OF MATRIC POTENTIAL AND NACL-INDUCED OSMOTIC POTENTIAL OF SOIL WATER. AGRON. J. 71: 848-852. 1979. WHEAT GRAMINEAE: TRITICUM AESTIVUM GROWTH CHAMBER, POT, SOIL SODIUM, CHLORIDE, POLYETHYLENE GLYCOL LEAF ELONGATION, TURGOR

788. SEPASKHAH, A. R.; BOERSMA, L. SHOOT AND ROOT GROWTH OF WHEAT SEEDLINGS EXPOSED TO SEVERAL LEVELS OF MATRIC POTENTIAL AND NACL-INDUCED OSMOTIC POTENTIAL OF SOIL WATER. AGRON. J. 71: 746-752. 1979. WHEAT GRAMINEAE: TRITICUM AESTIVUM SOIL, POT, GROWTH CHAMBER POLYETHYLENE GLYCOL, SODIUM, CHLORIDE SHOOT GROWTH, ROOT GROWTH, LEAF WATER POTENTIAL

789. SEPASKHAH, A. R.; MAFTOUN, M. GROWTH AND CHEMICAL COMPOSITION OF PISTACHIO CULTIVARS AS INFLUENCED BY IRRIGATION REGIMES AND SALINITY LEVELS OF IRRIGATION WATER. I. GROWTH. J. HORTIC. SCI. 56: 277-284. 1981. PISTACHIO ANACARDIACEAE: PISTACIA VERA GREENHOUSE, POT, SOIL SODIUM, CHLORIDE VEGETATIVE GROWTH, ROOT GROWTH, HEIGHT, LEAF AREA, EVAPOTRANSPIRATION

790. SHAFI, M.; MAJID, A.; AHMAD, M. SOME PRELIMINARY STUDIES ON SALT TOLERANCE OF RICE VARIETIES. WEST PAK. J. AGRIC. RES. 8: 117-123. 1970. RICE GRAMINEAE: ORYZA SATIVA POT, SOIL, FIELD PLOT VARIETY, SODIUM, CHLORIDE, SULFATE GERMINATION, HEIGHT, YIELD

791. SHAKOOR, A.; AKBAR, M.; SAJJAD, M. S.; ALI, Y. GENETIC VARIABILIY FOR SALT TOLERANCE IN BREAD WHEAT. PROC. SEMINAR MEMBRANE BIOPHYSICS AND DEVELOPMENT SALT TOLERANCE IN PLANTS (FAISALABAD, PAKISTAN) MARCH 11-21, 1978: 244-250. WHEAT GRAMINEAE: TRITICUM AESTIVUM SOIL, FIELD PLOT WELL WATER, SODIUM, CALCIUM YIELD, TILLERING, HEIGHT, SEED WEIGHT, SEED YIELD

792. SHANNON, M. C. CROP BREEDING EFFORTS TOWARD IMPROVED SALT TOLERANCE. PROC. INTER-AMERICAN CONF. SALINITY AND WATER

MANAGEMENT TECH., EL PASO, TEXAS: 53-63. DEC. 1979.

793. SHANNON, M. C. DIFFERENCES IN SALT TOLERANCE WITHIN 'EMPIRE' LETTUCE. J. AM. SOC. HORTIC. SCI. 105: 944-947. 1980. LETTUCE COMPOSITAE: LACTUCA SATIVA GREENHOUSE, FIELD PLOT, SOIL SODIUM, SULFATE, CHLORIDE, CALCIUM, MAGNESIUM, NITRITE VEGETATIVE GROWTH

794. SHANNON, M. C. GENETICS OF SALT TOLERANCE: NEW CHALLENGES. BIOSALINE RESEARCH: A LOOK TO THE FUTURE. A. SAN PIETRO (ED.). PLENUM PUBLISHING CORP. 271-282. 1982. SELECTIVE BREEDING, GENETIC INTERACTION

795. SHANNON, M. C. IN QUEST OF RAPID SCREENING TECHNIQUES FOR PLANT SALT TOLERANCE. HORTSCIENCE 14: 587-589. 1979.

795. SHANNON, M. C. TESTING SALT TOLERANCE VARIABILITY AMONG TALL WHEATGRASS LINES. AGRON. J. 70:719-722. 1978. WHEATGRASS, TALL GRAMINEAE: AGROPYRON ELONGATUM GREENHOUSE, SAND SODIUM, CALCIUM, CHLORIDE MINERAL COMPOSITION, PROLINE

797. SHANNON, M. C.; AKBAR, M. BREEDING PLANTS FOR SALT TOLERANCE. PROC. SEMINAR MEMBRANE BIOPHYSICS AND DEVELOPMENT SALT TOLERANCE IN PLANTS (FAISALABAD, PAKISTAN) MARCH 11-21, 1978: 222-243. SELECTIVE BREEDING

798. SHANNON, M. C.; FRANCOIS, L. E. SALT TOLERANCE OF THREE MUSKMELON CULTIVARS. J. AM. SOC. HORTIC. SCI. 103: 127-130. 1978. MUSKMELON CUCURBITACEAE: CUCUMIS MELO FIELD PLOT, SOIL VARIETY, SODIUM, CALCIUM, CHLORIDE FRUIT YIELD, MINERAL COMPOSITION, SUGAR

799. SHANNON, M. C.; WHEELER, E. L.; SAUNDERS, R. M. SALT TOLERANCE OF AUSTRALIAN CHANNEL MILLET. AGRON. J. 73: 830-832. 1981. MILLET, AUSTRALIAN CHANNEL GRAMINEAE: ECHINOCHLOA TURNERANA POT, SOIL, GREENHOUSE SODIUM, CHLORIDE FLOWERING, SEED WEIGHT, HEIGHT

800. SHARMA, C. M.; BAJWA, M. S.; TRIPATHI, B. R. EFFECT OF GYPSUM AND FARMYARD MANURE ON PLANT YIELD AND PHOSPHORUS AVAILABILITY IN CALCAREOUS ALKALI SOIL. FERT. NEWS 24: 45-46. 1979. WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, SOIL SULFATE, CALCIUM, GYPSUM, PHOSPHORUS VEGETATIVE GROWTH, MINERAL COMPOSITION, PHOSPHORUS UPTAKE

801. SHARMA, D. A. EFFECT OF USING SALINE WATER TO SUPPLEMENT CANAL WATER IRRIGATION ON THE CROP GROWTH OF RICE. CURR. AGRIC. 4: 79-82. 1980. RICE GRAMINEAE: ORYZA SATIVA FIELD PLOT, SOIL SODIUM, CHLORIDE, CALCIUM YIELD, HEIGHT, TILLERING, SEED WEIGHT

802. SHARMA, D. C.; PUNTAMKAR, S. S.; JAIN, S. V.; SETH, S. P. EFFECT OF DIFFERENT FREQUENCIES OF IRRIGATION WITH SALINE WATER ON THE YIELD OF WHEAT AND SALT ACCUMULATION IN SALINE SODIC SOIL. INDIAN J. AGRIC. SCI. 47: 485-488. 1977. WHEAT GRAMINEAE: TRITICUM AESTIVUM FIELD SALINE SOIL, SALINE WATER, IRRIGATION METHOD GRAIN YIELD

803. SHARMA, D. C.; PUNTAMKAR, S. S.; JAIN, S. V.; SETH, S. P. EFFECT OF DIFFERENT FREQUENCIES OF IRRIGATION WITH SALINE WATER ON THE YIELD OF WHEAT AND SALT ACCUMULATION IN SALINE SODIC SOIL. INDIAN J. AGRIC. SCI. 47: 485-488. 1977. WHEAT GRAMINEAE: TRITICUM AESTIVUM SOIL IRRIGATION FREQUENCY, SALINE WATER GRAIN YIELD

804. SHARMA, M. L. INTERACTION OF WATER POENTIAL AND TEMPERATURE EFFECTS ON GERMINATION OF THREE SEMI-ARID PLANT SPECIES. AGRON. J. 68: 390-394. 1976. GRAMINEAE: DANTHONIA CAESPITOSA; CHENOPODIACEAE: ATRIPLEX NUMMULARIA, ATRIPLEX VESICARIA GERMINATION DISHES POLYETHYLENE GLYCOL, SODIUM, CHLORIDE, TEMPERATURE GERMINATION

805. SHARMA, S. C.; RAY, N.; SINHA, S. B. STUDIES ON THE PERFORMANCE OF FOUR RABI CROPS UNDER DIFFERENT SOIL SALINITY LEVELS. JNKVV RES. J. 11: 75-81. 1977. WHEAT; BARLEY; OATS GRAMINEAE: TRITICUM AESTIVUM, HORDEUM VULGARE, AVENA SATIVA POT, SOIL SODIUM, CHLORIDE, CALCIUM GERMINATION, GROWTH RATE, SEED YIELD, ROOT GROWTH RATE, SHOOT GROWTH RATE, MINERAL COMPOSITION

806. SHARSTSIANIKINA, A. V.; KUKHARAVA, L. V.; ZARANCHUK, L. G. RESPONSE OF SOME SPECIES OF HERBACEOUS PLANTS TO CHLORIDE SALINIZATION. (RUS; ENG SUM). VEST. AKAD. NAVUK, BSSR. 4: 68-72. 1980. ORACH; KOCHIA; SPINACH CHENOPODIACEAE: ATRIPLEX HORTENSIS, ATRIPLEX CANA, KOCHIA PROSTRATA, SPINACIA OLERACEA, EUROTIA CERATOIDES, CLIMACOPHERA ROSEA SODIUM, CHLORIDE GERMINATION, CHLORIDE TOXICITY, SEEDLING GROWTH

807. SHAYBANY, B.; KASHIRAD, A. EFFECT OF NACL ON GROWTH AND MINERAL COMPOSITION OF ACACIA SALIGNA IN SAND CULTURE J. AMER. SOC. HORT. SCI. 103:823-826. 1978 WEEPING WATTLE LEGUMINOSAE: ACACIA SALIGNA SAND, GREENHOUSE, POT SODIUM, CHLORIDE VEGETATIVE GROWTH, RESPIRATION, PHOTOSYNTHESIS, ROOT GROWTH, LEAF CHLOROPHYLL, MINERAL COMPOSITION

808. SHENGE, P. Y.; CHAVAN, V. M.; DESHPANDE, J. D. BREEDING OF SALINE RESISTANT VARIETIES IN BOMBAY STATE. RICE NEWS TELLER 7: 18-19. 1959. RICE GRAMINEAE: ORYZA SATIVA FIELD, SOIL SALINE SOIL, VARIETY YIELD, FLOWERING, VEGETATIVE GROWTH, GRAIN WEIGHT

809. SHEORAN, I. S. CHANGES IN AMYLASE DURING GERMINATION AND EARLY SEEDLING GROWTH OF MUNG BEAN VIGNA-RADIATA (L.) WILCZEK UNDER DIFFERENT SALTS. INDIAN J. PLANT PHYSIOL. 23: 169-173. 1980. BEAN, MUNG LEGUMINOSAE: VIGNA RADIATA GERMINATION DISH, SAND, POT SODIUM, CHLORIDE, POTASSIUM, SULFATE AMYLASE, COTYLEDON GROWTH, EMBRYO AXIS, ROOT GROWTH, LEAF SIZE

810. SHEORAN, I. S.; GARG, O. P. CHANGES IN ISOENZYMES OF SOLUBLE MALATE DEHYDROGENASE DURING GERMINATION OF MUNG BEAN (PHASEOLUS AUREUS ROXB) UNDER SALT STRESS. BIOL. PLANT. 22: 384-387. 1980. BEAN, MUNG LEGUMINOSAE: PHASEOLUS AUREUS, VIGNA RADIATA SAND, GERMINATION DISH SODIUM, CHLORIDE ISOENZYME, ENZYME, OSMOTIC POTENTIAL, ION CONTENT

811. SHEORAN, I. S.; GARG, O. P. EFFECT OF CHLORIDE AND SULPHATE SALINITY ON GERMINATION AND EARLY SEEDLING GROWTH OF MOONG. ACTA BOT. IND. 6: 84-89. 1978. BEAN, MUNG LEGUMINOSAE: PHASEOLUS AUREUS GERMINATION DISH, SAND, POTS SODIUM, CHLORIDE, SULFATE GERMINATION, VEGETATIVE GROWTH

812. SHEORAN, I. S.; GARG, O. P. EFFECT OF SALINITY ON THE ACTIVITIES OF RNASE, DNASE AND PROTEASE DURING GERMINATION AND EARLY SEEDLING GROWTH OF MUNG BEAN. PHYSIOL. PLANT. 44: 171-174. 1978. BEAN, MUNG LEGUMINOSAE: VIGNA RADIATA GERMINATION DISHES, SAND, POT SODIUM, CHLORIDE, POTASSIUM, NITRATE, SULFATE RIBONUCLEASE, DEOXYRIBONUCLEASE, PROTEASE

813. SHEORAN, I. S.; GARG, O. P. QUANTITATIVE AND QUALITATIVE CHANGES IN PEROXIDASE DURING GERMINATION OF MUNG BEAN UNDER SALT STRESS. PHYSIOL. PLANT. 46: 147-150. 1979. BEAN, MUNG LEGUMINOSAE: VIGNA RADIATA GERMINATION DISHES,

SAND SODIUM, CHLORIDE, POTASSIUM, SULFATE PEROXIDASE

814. SHEVYAKOVA, N. I. SYNTHESIS OF TAURINE IN COTTON IN THE PRESENCE OF HIGH CONCENTRATIONS OF NA2SO4 IN THE MEDIUM SOV. PLANT PHYSIOL. 25: 20-26. 1978. COTTON MALVACEAE: GOSSYPIUM HIRSUTUM GREENHOUSE SODIUM, CHLORIDE, SULFATE TAURINE, 2-AMINOETHANESULFONIC ACID

815. SHEVYAKOVA, N. I.; LEONOVA, T. G. THE PHASIC PATTERN OF RESPONSES AS AN ELEMENT OF THE MECHANISM OF SALT TOLERANCE IN PLANTS. (RUS; ENG SUM). ZH. OBSHCH. BIOL. 39: 97-110. 1978. PEA; COTTON; BEAN, BROAD LEGUMINOSAE: VICIA FABA, PISUM SATIVUM; MALVACEAE: GOSSYPIUM HIRSUTUM WATER CULTURE SODIUM, CHLORIDE, SULFATE PROTEIN, AMINO ACID, LEUCINE, METHIONINE

816. SHIMOSE, N. DISTRIBUTION OF P32 IN RICE PLANTS GROWN IN THE CHLORIDE EXCESS SOLUTION. (JAP; ENG SUM). OKAYAMA U. FACUL. AGRIC. SCI. RPT. 10: 25-28. 1957. RICE GRAMINEAE: ORYZA SATIVA WATER CULTURE PHOSPHORUS, CHLORIDE, SODIUM PHOSPHORUS UPTAKE, CHLORIDE UPTAKE

817. SHMARAEV, G. E. STUDY OF MAIZE VARIETAL DIVERSITY FOR RESISTANCE TO SALINIZATION. (RUS). BIULL. VSES. INST. RASTENIEVOD. 53: 3-6. 1975. CORN GRAMINEAE: ZEA MAYS VARIETY

818. SHOMER-ILAN, A.; SAMISH, Y. B.; KIPNIS, T.; ELMER, D.; WAISEL, Y. EFFECTS OF SALINITY, N- NUTRITION AND HUMIDITY ON PHOTOSYNTHESIS AND PROTEIN METABOLISM OF CHLORIS GAYANA KUNTH. PLANT SOIL 53: 477-486. 1979. RHODES GRASS GRAMINEAE: CHLORIS GAYANA WATER CULTURE SODIUM, CHLORIDE, NITROGEN, RELATIVE HUMIDITY CARBON DIOXIDE EXCHANGE, TRANSPIRATION, PHOTOSYNTHESIS, PHOSPHOENOL PYRUVATE, CARBOXYLASE, RIBULOSEBIPHOSPHATE CARBOXYLASE, NITRATE REDUCTASE, LEUCINE

819. SIEGEL, S. M.; CHEN, J.; KOTTENMEIER, W.; CLARK, K.; SIEGEL, B. Z.; CHANG, H. REDUCTION IN PEROXIDASE IN CUCUMIS, BRASSICA AND OTHER SEEDLINGS CULTURED IN SALINE WATERS. PHYTOCHEMISTRY 21: 539-542. 1982. CORN; CABBAGE, CHINESE; CUCUMBER; PAPAYA GRAMINEAE: ZEA MAYS; CRUCIFERAE: BRASSICA PEKINENSIS; CUCURBITACEAE: CUCUMIS SATIVUS; CARICACEAE: CARICA PAPAYA GREENHOUSE, FIELD, GROWTH CHAMBER SEA WATER PEROXIDASE ACTIVITY, PROTEIN

820. SIEGEL, S. M.; SIEGEL, B. Z. GROWTH AND COMPOSITION OF RYE SEEDLINGS CULTURED IN SEA WATER. PHYSIOL. PLANT. 44: 145-146. 1978. RYE GRAMINEAE: SECALE CEREALE WATER CULTURE SEA WATER GERMINATION, VEGETATIVE GROWTH, SHOOT GROWTH, ROOT GROWTH, MINERAL COMPOSITION

821. SIEGEL, S. M.; SIEGEL, B. Z.; MASSEY, J.; LAHNE, P.; CHEN, J. GROWTH OF CORN IN SALINE WATERS. PHYSIOL. PLANT. 50: 71-73. 1980. CORN GRAMINEAE: ZEA MAYS FIELD PLOT, SOIL VARIETY GERMINATION, SEEDLING GROWTH, VEGETATIVE GROWTH, MINERAL COMPOSITION, ASH

822. SIMON, C. EINE HALOPHYLENFLORA AM OBERRHEIN. 2. MITTEILUNG. A HALOPHYTE FLORA ON THE UPPER RHINE. PART 2. (GER). BAUHINIA 6: 85-87. 1977. GRASS CHENOPODIACEAE: CHENOPODIUM RUBRUM, ATRIPLEX HASTATA; CARYOPHYLLACEAE: SPERGULARIA MEDIA; COMPOSITAE: INULA GRAVEOLENS FIELD PLOT, SOIL, SAND SODIUM, CHLORIDE, LEACHING VEGETATIVE GROWTH, SALT TOLERANCE, EMERGENCE

823. SIMON, C. EINE HALOPHYLENFLORA AM OBERRHEIN. 3. MITTEILUNG. A HALOPHYTE FLORA ON THE UPPER RHINE. PART 3. (GER).

BAUHINIA 6: 89-92. 1977. GRASS CHENOPODIACEAE: CHENOPODIUM RUBRUM, CHENOPODIUM CHENOPODIOIDES, ATRIPLEX HASTATA VAR SALINA; CARYOPHYLLACEAE: SPERGULARIA MEDIA FIELD PLOTS LEACHING SALT TOLERANCE, VEGETATIVE GROWTH, EMERGENCE

824. SINEL'NIKOVA, V. N. EVALUATION OF SALT RESISTANCE OF VEGETABLE CROPS. (RUS). DOKL. T. S. KH. A. TIMIRIAZEVSK. S-KH. AKAD. 251: 95-98. 1979. WHEAT; CABBAGE; WATERMELON; TOMATO GRAMINEAE: TRITICUM AESTIVUM; SOLANACEAE: LYCOPERSICON ESCULENTUM; CUCURBITACEAE: CITRULLUS VULGARIS; CRUCIFERAE: BRASSICA OLERACEA VAR CAPITATA GERMINATION DISHES, SAND SALINE WATER GERMINATION

825. SINGH, A.; CHHABRA, R.; ABROL, I. P. EFFECT OF FLUORINE AND PHOSPHORUS ON THE YIELD AND CHEMICAL COMPOSITION OF RICE (ORYZA SATIVA) GROWN IN SOILS OF TWO SODICITIES. SOIL SCI. 127: 86-93. 1979. RICE GRAMINEAE: ORYZA SATIVA POT, SOIL FLOURINE, PHOSPHORUS STRAW YIELD, GRAIN YIELD, MINERAL COMPOSITION

826. SINGH, B.; NARAIN, P. EFFECT OF THE SALINITY OF IRRIGATION WATER ON WHEAT YIELD AND SOIL PROPERTIES. INDIAN J. AGRIC. SCI. 50: 422-427. 1980. WHEAT GRAMINEAE: TRITICUM AESTIVUM FIELD PLOT, SOIL SODIUM, CHLORIDE, CALCIUM, SULFATE, BICARBONATE GRAIN YIELD, VEGETATIVE GROWTH

827. SINGH, D. V.; PAL, B.; SHARMA, V. D. EFFECT OF IRRIGATION WITH SALINE WATER ON THE GROWTH AND YIELD OF WHEAT GROWN AT AGRA. INDIAN J. AGRIC. SCI. 49: 550-554. 1979. WHEAT GRAMINEAE: TRITICUM AESTIVUM FIELD PLOT, SOIL SODIUM, MAGNESIUM, CALCIUM, CHLORIDE, BICARBONATE, SULFATE GRAIN YIELD, GERMINATION, TILLERING, HEIGHT

828. SINGH, D. V.; SINGH, S. P.; PAL, B. REDUCING THE ADVERSE EFFECT OF SODIC WATER ON WHEAT CROP. INDIAN FARMING 30: 11. 1981. WHEAT GRAMINEAE: TRITICUM AESTIVUM FIELD PLOTS, SOIL CALCIUM, SODIUM, CHLORIDE, GYPSUM YIELD

829. SINGH, G. SAXENA, G. S. COMPARATIVE STUDY ON THE EFFECT OF QUALITY OF IRRIGATION WATER ON THE YIELD OF BARLEY, WHEAT AND PEA GROWN IN SOILS OF DIFFERENT TEXTURE. INDIAN J. AGRIC. RES. 13: 199-202. 1979. BARLEY; WHEAT; PEA GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM; LEGUMINOSAE: PISUM SATIVUM POT, SAND, SOIL SOIL TEXTURE, SODIUM ADSORPTION RATIO GRAIN YIELD, YIELD

830. SINGH, G.; SAXENA, G. S. COMPARATIVE STUDY ON THE EFFECT OF SALINITY AND ALKALINITY OF IRRIGATION WATERS ON GERMINATION AND SEEDLING GROWTH OF BARLEY, WHEAT AND PEAS. RAJ. AGRIC. 13: 11-16. 1976. BARLEY; WHEAT; PEA GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM; LEGUMINOSAE: PISUM SATIVUM GERMINATION DISHES SODIUM, CHLORIDE, CALCIUM GERMINATION, SEEDLING GROWTH, PLUMULE GROWTH

831. SINGH, G.; SINGH, H. EFFECT OF GROWTH-REGULATORS ON THE GROWTH PARAMETERS OF CHICKPEA GROWN UNDER DIFFERENT SALINITY LEVELS. INDIAN J. AGRIC. SCI. 50: 23-30. 1980. PEA, CHICK LEGUMINOSAE: CICER ARIETINUM POT, SOIL SODIUM, CHLORIDE, SULFATE, CALCIUM, KINETIN, ASCORBIC ACID, GIBBERELLIC ACID HEIGHT, VEGETATIVE GROWTH

832. SINGH, S. B.; CHHABRA, R.; ABROL, I. P. EFFECT OF EXCHANGEABLE SODIUM ON THE YIELD AND CHEMICAL COMPOSITION OF RAYA (BRASSICA JUNCEA L.). AGRON. J. 71: 767-770. 1979. MUSTARD, BROWN CRUCIFERAE: BRASSICA JUNCEA FIELD, SOIL GYPSUM, CALCIUM, SULFATE, SALINE SOIL OIL YIELD, GRAIN YIELD, VEGETATIVE GROWTH, MINERAL COMPOSITION

833. SINGH, S. S.; DEOSHARAN, S. R. VARIETAL REACTION OF RICE TO AGE OF SEEDLINGS TRANSPLATED IN ALKALI SOIL. INT. RICE

RES. NEWSL. 5: 18-19. 1980. RICE GRAMINEAE: ORYZA SATIVA SOIL SALINE SOIL TRANSPLANTING, MATURATION

834. SINGH, S. S.; MALIK, Y. S.; PANDITA, M. L. RESPONSE OF SEM (DOLICHOS LABLAB) CULTIVARS TO SEVERAL LEVELS OF SALINITY. LEGUME RES. 3: 27-32. 1980. BEAN, HYACINTH LEGUMINOSAE: DOLICHOS LABLAB POT, SOIL SODIUM, CHLORIDE, CALCIUM GERMINATION, VEGETATIVE GROWTH, MINERAL COMPOSITION, HEIGHT, POD YIELD

835. SINGH, T. N.; CHANDRA, S. SALT TOLERANCE OF SOME HYBRIDS OF PENNISETUM TYPHOIDES. INDIAN J. PLANT PHYSIOL. 22: 181-185. 1979. MILLET, PEARL GRAMINEAE: PENNISETUM AMERICANUM POT, GREENHOUSE, SOIL SODIUM, CHLORIDE, CALCIUM GERMINATION, GRAIN WEIGHT, GRAIN YIELD

836. SINGH, U. B.; PALIWAL, S. K. RESPONSE OF BARLEY TO IRRIGATION AND FERTILITY LEVELS UNDER SALINE CONDITIONS. INDIAN J. AGRON. 22:231-234. 1977. BARLEY GRAMINEAE: HORDEUM VULGARE FIELD PLOT GROWTH STAGE, FERTILIZER, SALINE WATER GRAIN YIELD

837. SINHA, T. S.; BHATTACHARYYA, R. K. NOTE ON GENETIC VARIABILITY IN SUNDARBAN RICE VARIETIES UNDER SALINE SOIL. INDIAN J. AGR. SCI. 9: 719-721. 1980. RICE GRAMINEAE: ORYZA SATIVA FIELD PLOT, SOIL VARIETY, SALINE SOIL GENETIC VARIABILITY

838. SLAMA, F.; BOUAZIZ, E. ABSORPTION ET DISTRIBUTION INTERNE DU SODIUM CHEZ LA SOJA CULTIVE EN MILIEUSALE. EFFECT SUR LA PRODUCTION. ABSORPTION AND INTERNAL DISTRIBUTION OF SODIUM IN SOYBEANS CULTIVATED IN SALT MEDIUM - EFFECT ON PRODUCTION (FRE; ENG SUM). AGROCHIMICA 22: 128-133. 1978. SOYBEAN LEGUMINOSAE: GLYCINE MAX SOIL SODIUM, CHLORIDE, VARIETY GRAIN YIELD, OIL YIELD, SEED WEIGHT

839. SLAMA, F.; BOUZAIDI, A. EFFET DE LA SLAURE SUR LA CROISSANCE ET LA PRODUCTION DE QUATRE VARIETES DE TOURNESOL (HELIANTHUS ANNUUS G.) SALINITY EFFECT ON GROWTH AND PRODUCTION OF FOUR SUNFLOWER (HELIANTHUS ANNUUS G.) VARIETIES. (FRE; ENG SUM). INFORMATION TECHNIQUES 60: 3-10. 1978. SUNFLOWER COMPOSITAE: HELIANTHUS ANNUUS FIELD PLOT, SOIL SALINE WATER GRAIN WEIGHT, GRAIN YIELD, HEAD SIZE

840. SMART, K. M.; BARKO, J. W. NITROGEN NUTRITION AND SALINITY TOLERANCE OF DISTICHLIS SPICATA AND SPARTINA ALTERNIFLORA. ECOLOGY 61: 630-638. 1980. SALTGRASS, SEASHORE; CORDGRASS, SMOOTH GRAMINEAE: DISTICHLIS SPICATA, SPARTINA ALTERNIFLORA GREENHOUSE, SAND NITROGEN VEGETATIVE GROWTH, ROOT GROWTH, MINERAL COMPOSITION

841. SMITH, D.; DOBRENZ, A. K.; SCHONHORST, M. H. RESPONSE TO ALFALFA SEEDLING PLANTS TO HIGH LEVELS OF CHLORIDE-SALTS. J. PLANT NUTR. 4: 143-174. 1981. ALFALFA LEGUMINOSAE: MEDICAGO SATIVA GREENHOUSE, SAND TANK, POT CHLORIDE, SODIUM VEGETATIVE GROWTH, HEIGHT

842. SMITH, G. S.; MIDDLETON, K. R.; EDMONDS, A. S. SODIUM NUTRITION OF PASTURE PLANTS. II. EFFECT OF SODIUM CHLORIDE ON GROWTH, CHEMICAL COMPOSITION AND THE REDUCTION OF NITRATE NITROGEN. NEW PHYTOL. 84: 613-622. 1980. RYEGRASS, PERENNIAL; TIMOTHY GRAMINEAE: LOLIUM PERENNE, PHLEUM PRATENSE POT, SAND, GREENHOUSE SODIUM, CHLORIDE MINERAL COMPOSITION, YIELD, SODIUM UPTAKE

843. SMITH, M. K.; MC COMB, J. A. EFFECT OF NACL ON THE GROWTH OF WHOLE PLANTS AND THEIR CORRESPONDING CALLUS CULTURES. AUST. J. PLANT PHYSIOL. 8: 267-275. 1981. BEAN, KIDNEY; BEET LEGUMINOSAE: PHASEOLUS VULGARIS; CHENOPODIACEAE:

ATRIPLEX UNDULATA, BETA VULGARIS, SUAEDA AUSTRALIS WATER CULTURE, POT, GREENHOUSE SODIUM, CHLORIDE VEGETATIVE GROWTH, PROTEIN

844. SMITH, S. T. RECLAIM SALTY SOILS WITH BLUEBUSH. J. AGR. W. AUSTRALIA 2: 968-969. 1961. BLUEBUSH CHENOPODIACEAE: KOCHIA BREVIFOLIA SALINE SOIL RECLAMATION

845. SMITH, S. T. RECLAIMING SALT LAND WITH BLUEBUSH. J. AGR. W. AUSTRALIA 1: 57-59. 1960. BLUEGRASS CHENOPODIACEAE: KOCHIA BREVIFOLIA SALINE SOIL RECLAMATION

846. SOLIMAN, N. F.; ANTER, I. M.; SOLIMAN, M. F.; BAKHATI, H. K. EFFECT OF IRRIGATION REGIME UNDER SALINE CONDITIONS ON GROWTH AND YIELD OF COTTON PLANT IN CALCAREOUS SOIL. AGRIC. RES. REV. 54: 91-96. 1976. COTTON MALVACEAE: GOSSYPIUM BARBADENSE FIELD PLOT SODIUM, CALCIUM, CHLORIDE, IRRIGATION FREQUENCY, CALCAREOUS SOIL BOLL PRODUCTION, FLOWERING

847. SOLTANI, A.; BERNARD, T. SUR LE METABOLISME AZOTE D'NEDYSARUM CORONARIUM L. CULTIVE EN PRESENCE DE CHLORUE DE SODIUM. NITROGEN METABOLISM OF HEDYSARUM CORONARIUM L. GROWING IN THE PRESENCE OF SODIUM CHLORIDE. (FRE). C. R. ACAD. SCI. SER. D. 12: 1123. 1978. HONEYSUCKLE, FRENCH LEGUMINOSAE: HEDYSARUM CORONARIUM POT, VERMICULITE SODIUM, CHLORIDE VEGETATIVE GROWTH, AMINO ACID

848. SOMANI, L. L. INTERACTIVE EFFECT OF FLUORINE AND SALT CONTENTS OF IRRIGATION WATER ON GERMINATION, GROWTH, AND NODULATION OF BERSEEM. TROP. AGRIC. 54: 219-222. 1977. CLOVER, EGYPTIAN LEGUMINOSAE: TRIFOLIUM ALEXANDRINUM SOIL, POT SODIUM, CALCIUM, CHLORIDE, FLUORIDE GERMINATION, NODULATION, VEGETATIVE GROWTH

849. SOMERS, G. F. NATURAL HALOPHYTES AS A POTENTIAL RESOURCE FOR NEW SALT-TOLERANT CROPS: SOME PROGRESS AND PROSPECTS. ENVIRON. SCI. RES. 14: 101-115. 1979.

850. SOMERS, G. F. PRODUCTION OF FOOD PLANTS IN AREAS SUPPLIED WITH HIGHLY SALINE WATER - PROBLEMS AND PROSPECTS. STRESS PHYSIOL. IN CROP PLANTS. INT. CONF. ON STRESS PHYSIOL. IN CROP PLANTS, BOYCE THOMPSON INST. PLANT RES. ITHACA, NY, JUNE, 1977: 107-125. 1979.

851. SOMERS, G. F.; FONTES, M.; GRANT, D. M. HALOPHYTES FROM COASTAL SALT MARSHES: A POTENTIAL SOURCE OF CROP PLANTS FOR ARID LANDS. IN: ARID LAND PLANT RESOURCES. PROC. INTL ARID LAND CONF., PLANT RESOURCES, TEXAS TECH. UNIV., JULY, 1979: 402-417. HALOPHYTE

852. SONNEVELD, C. EFFECTS OF SALINITY ON THE GROWTH AND MINERAL COMPOSITION OF SWEET PEPPER AND EGG PLANT GROWN UNDER GLASS. ACTA HORT. 89: 71-78. 1979. PEPPER; EGG PLANT SOLANACEAE: CAPSICUM ANNUUM, SOLANUM MELONGENA VAR ESCULENTUM POT, SOIL, GREENHOUSE SODIUM, POTASSIUM, CALCIUM, MAGNESIUM, CHLORIDE, NITRATE, SULFATE, BICARBONATE FRUIT YIELD, MINERAL COMPOSITION, BLOSSOM-END ROT

853. SONNEVELD, C.; VOOGT, S. F. EFFECTS OF SALINE IRRIGATION WATER ON GLASSHOUSE CUCUMBERS. PLANT SOIL 49: 595-606. 1978. CUCUMBER CUCURBITACEAE: CUCUMIS SATIVUS GREENHOUSE, SOIL SODIUM, CHLORIDE, POTASSIUM, CALCIUM, MAGNESIUM, NITRATE, SULFATE, BICARBONATE YIELD, SODIUM UPTAKE, CHLORIDE UPTAKE, MINERAL COMPOSITION

854. SOROUR, F. A.; ASSEED, M. S.; SHAALAN, M. I. TOLERANCE OF DIFFERENT WHEAT CULTIVARS (TRITICUM-SPP) TO SALINIZED WATER. LIBYAN J. AGRIC. 6:19-28. 1977. WHEAT GRAMINEAE: TRITICUM AESTIVUM, TRITICUM DURUM POT, GREENHOUSE, SOIL SODIUM, CALCIUM, CHLORIDE GRAIN YIELD, VEGETATIVE GROWTH, EMERGENCE

855. SOROUR, F. A.; ASSEED, M.; GAJEM, Y. M. RESPONSE OF GROWTH AND YIELD OF TALL-STRAW WHEAT (TRITICUM AESTIVUM L.) TO SALINIZED WATER IRRIGATION AND CYCOCEL (CCC). LIBYAN J. AGRIC. 6: 11-18. 1977. WHEAT GRAMINEAE: TRITICUM AESTIVUM GREENHOUSE, POT, SOIL CYCOCEL, SODIUM, CHLORIDE, CALCIUM EMERGENCE, SEEDLING GROWTH, HEIGHT, TILLERING, GRAIN WEIGHT, STRAW YIELD

856. SPRENT, J. I. THE EFFECTS OF WATER STRESS ON NITROGEN-FIXING ROOT NODULES. III. EFFECTS OF OSMOTICALLY APPLIED STRESS. NEW PHYTOL. 71: 451-460. 1972. SOYBEAN LEGUMINOSAE: GLYCINE MAX POTS SALINE WATER, SODIUM, CHLORIDE ROOT GROWTH, NODULATION, OXYGEN UPTAKE, RESPIRATION

857. SRINIVASAN, P. S.; GOPALAKRISNAN, S. SCREENING OF DIFFERENT VARIETIES OF GROUNDNUT FOR SALT TOLERANCE. MADRAS AGRIC. J. 65: 765-766. 1978. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA SODIUM, CHLORIDE ROOT GROWTH

858. SRIVASTAVA, V. C.; JHA, R. K.; SHARMA, N. N.; VERMA, U. N. RESPONSE OF CERTAIN RABI CROPS TO LIMITED WATER SUPPLY IRRIGATION UNDER SALINE CONDITIONS. J. SOIL WATER CONSERV. INDIA 29: 9-15. 1979. WHEAT; BARLEY; LINSEED; POTATO, SWEET; LENTIL; GRAM; PEA GRAMINEAE: TRITICUM AESTIVUM, HORDEUM VULGARE; CONVOLVULACEAE: IPOMOEA BATATAS; LEGUMINOSAE: LENS CULINARIS, PHASEOLUS MUNGO, PISUM SATIVUM SOIL, FIELD PLOT SALINE WATER, WATER TABLE YIELD

859. ST OMER, L.; SCHLESINGER, W. H. FIELD AND GREENHOUSE INVESTIGATIONS OF THE EFFECT OF INCREASING SALT STRESS ON THE ANATOMY OF JAUMEA CARNOSA (ASTERACEAE), A SALT MARSH SPECIES. AM. J. BOT. 67: 1455-1465. 1980. ASTERACEAE: JAUMEA CARNOSA FIELD PLOT, GREENHOUSE SODIUM, CHLORIDE VEGETATIVE GROWTH

860. ST OMER, L.; SCHLESINGER, W. H. REGULATION OF NACL IN JAUMEA CARNOSA (ASTERACEAE), A SALT MARSH SPECIES, AND ITS EFFECT ON LEAF SUCCULENCE. AM. J. BOT. 67: 1448-1454. 1980. ASTERACEAE: JAUMEA CARNOSA POT CHLORIDE, SODIUM, SALT SPRAY CHLORIDE UPTAKE, CALCIUM UPTAKE, SODIUM UPTAKE, SUCCULENCE, LEAF THICKNESS

861. STARCK Z,; KARWOWSKA, R. EFFECT OF SALT-STRESSES ON THE HORMONAL REGULATION OF GROWTH, PHOTOSYNTHESIS AND DISTRIUTION OF CARBON-14 ASSIMILATES IN BEAN PLANTS. ACTA SOC. BOT. POL. 47: 245-267. 1978. BEAN LEGUMINOSAE: PHASEOLUS VULGARIS WATER CULTURE SODIUM, CHLORIDE, GIBBERELLIC ACID, ZEATIN, ABSCISIC ACID GROWTH RATE, CARBON DIOXIDE ASSIMILATION, PHOTOSYNTHESIS, VEGETATIVE GROWTH

862. STARCK, Z.; CZAJKOWSKA, E. FUNCTION OF ROOTS IN NACL-STRESSED BEAN PLANTS. PLANT SOIL 63: 107-113. 1981. BEAN LEGUMINOSAE: PHASEOLUS VULGARIS WATER CULTURE SODIUM, CHLORIDE, GIBBERELLIC ACID ION UPTAKE, AUXIN, CYTOKININ

863. STARCK, Z.; KOZINSKA, M. EFFECT OF PHYTOHORMONES ON ABSORPTION AND DISTRIBUTION OF IONS IN SALT-STRESSED BEAN PLANTS. ACTA SOC. BOT. POL. 49: 111-125. 1980. BEAN LEGUMINOSAE: PHASEOLUS GREENHOUSE, WATER CULTURE GIBBERELLIC ACID, ZEATIN, ABSCISIC ACID VEGETATIVE GROWTH, MINERAL COMPOSITION

864. STARK, J. C.; JARRELL, W. M. SALINITY-INDUCED MODIFICATIONS IN THE RESPONSE OF MAIZE TO WATER DEFICITS. AGRON. J. 72: 745-748. 1980. CORN GRAMINEAE: ZEA MAYS GREENHOUSE, SAND, POT CALCIUM, CHLORIDE, SODIUM, WATER STRESS

VEGETATIVE GROWTH, WATER POTENTIAL

865. STASILYUNAS, O. A. SALT RESISTANCE OF TETRAPLOID BLUE ALFALFA (RUS; ENG SUM). FIZIOL. BIOKHIM. KUL'T. RAST. 10:83-85. 1978. ALFALFA LEGUMINOSAE: MEDICAGO SATIVA SODIUM, CHLORIDE VEGETATIVE GROWTH, SALT TOLERANCE

866. STEINBORN, J.; ROUGHLEY, R. J. TOXICITY OF SODIUM AND CHLORIDE IONS TO RHIZOBIUM SPP. IN BROTH AND PEAT CULTURE. J. APPL. BACTERIOL. 39: 133-138. 1975. PEAT MOSS, MUCK RHIZOBIUM TRIFOLII, RHIZOBIUM MELILOTI, SODIUM, CHLORIDE, CALCIUM SODIUM TOXICITY, CHLORIDE TOXICITY

867. STELZER, R.; LAUCHLI, A. SALT AND FLOODING TOLERANCE OF PUCCINELLIA PEISONIS IV. ROOT RESPIRATION AND THE ROLE OF AERENCHYMA IN PROVIDING ATMOSPHERIC OXYGEN TO THE ROOTS. Z. PFLANZENPHYSIOL. 97: 171-178. 1980. GRAMINEAE: PUCCINELLIA PEISONIS WATER CULTURE, GREENHOUSE SODIUM, CHLORIDE, POTASSIUM, AERATION RESPIRATION, OXYGEN UPTAKE

868. STELZER, R.; LAUCHLI, A. SALT AND FLOODING TOLERANCE OF PUCCINELLIA PEISONIS. III. DISTRIBUTION AND LOCALIZATION OF IONS IN THE PLANT. Z. PFLANZENPHYSIOL. 88: 437-448. 1978. GRAMINEAE: PUCCINELLIA PEISONIS WATER CULTURE SODIUM, POTASSIUM, CHLORIDE SODIUM UPTAKE, POTASSIUM UPTAKE, CHLORIDE UPTAKE, CHLORIDE TRANSPORT, SODIUM TRANSPORT.

869. STELZER, R.; LAUCHLI, A. SALT-TOLERANCE AND FLOODING OF PUCCINELLIA PEISONIS. II. STRUCTURAL DIFFERENTIATION OF ROOT IN RELATION TO FUNCTION (GER; ENG SUM). Z. PFLANZENPHYSIOL. 84:95-108. 1977. GRAMINEAE: PUCCINELLIA PEISONIS WATER CULTURE SODIUM, CHLORIDE, POTASSIUM HISTOLOGY, CELL GROWTH

870. STEVENINCK, R. F. M. VAN; CHENOWETH, A. R. F. ULTRASTRUCTURAL LOCALIZATION OF IONS. I. EFFECT OF HIGH EXTERNAL SODIUM CHLORIDE CONCENTRATION ON THE APPARENT DISTRIBUTION OF CHLORIDE IN THE LEAF PARENCHYMA CELLS OF BARLEY SEEDLINGS. AUST. J. BIOL. SCI. 25:499-516. 1972. BARLEY GRAMINEAE: HORDEUM VULGARE TEST TUBES, GROWTH CHAMBER, WATER CULTURE SODIUM, CHLORIDE CHLORIDE UPTAKE, SODIUM UPTAKE, SEEDLING GROWTH

871. STEVENINCK, R. F. M. VAN; STEVENINCK, M. E. VAN; STELZER, R.; LAUCHLI, A. ELECTRON PROBE X-RAY MICROANALYSIS OF ION DISTRIBUTION IN LUPINUS LUTEUS L. SEEDLINGS EXPOSED TO SALINITY STRESS. DEV. PLANT BIOL. 4: 489-490. 1980. LUPINE, YELLOW LEGUMINOSAE: LUPINUS LUTEUS WATER CULTURE SODIUM, CHLORIDE MINERAL COMPOSITION

872. STEVENS, H. C.; CALVAN, M.; LEE, K.; SIEGEL, B. Z.; SIEGEL, S. M. PEROXIDASE ACTIVITY AS A SCREENING PARAMETER FOR SALT STRESS IN BRASSICA SPIES. PHYTOCHEMISTRY 17: 1521-1522. 1978. MUSTARD CRUCIFERAE: BRASSICA WATER CULTURE SEA WATER VEGETATIVE GROWTH, PEROXIDASE ACTIVITY, SHOOT GROWTH, PROTEIN

873. STEWART, G. R.; LARHER, F.; AHMAD, I.; LEE, J. A. NITROGEN METABOLISM AND SALT TOLERANCE IN HIGHER PLANT HALOPHYTES. IN: ECOLOGICAL PROCESSES IN COASTAL ENVIRONMENTS. 1ST EUROPEAN ECOLOGICAL SYMPOSIUM. R. L. JEFFRIES AND A. J. DAVY (EDS.). BLACKWELL SCIENTIFIC PUBLICATIONS, OXFORD. 211-227. 1979.

874. STEWART-JONES, W. A FIELD TRIAL TO EXAMINE THE POSSIBLE INDUCTION OF SALT TOLERANCE MAIZE. JOINT AGRIC. RES. DEV. PROJ. NO. 65, BANGOR, WALES: UNIV. COLL. NORTH WALES : 14 PP. 1976. CORN GRAMINEAE: ZEA MAYS FIELD PLOT, SOIL SALINE WATER, CHOLINE PHOSPHATE, BETAINE HYDROCHLORIDE GRAIN YIELD, MINERAL COMPOSITION, VEGETATIVE GROWTH

875. STONE, J. E.; MARX, D. B.; DOBRENZ, A. K. INTERACTION OF SODIUM CHLORIDE AND TEMPERATURE ON GERMINATION OF TWO ALFALFA CULTIVARS. AGRON. J. 71: 425-427. 1979. ALFALFA LEGUMINOSAE: MEDICAGO SATIVA GERMINATION DISHES SODIUM, CHLORIDE, TEMPERATURE GERMINATION

876. STOUT, D. G.; SIMPSON, G. M.; FLOTRE, D. M. DROUGHT RESISTANCE OF SORGHUM BICOLOR L. MOENCH. 3. SEED GERMINATION UNDER OSMOTIC STRESS. CAN. J. PLANT SCI. 60: 13-24. 1980. SORGHUM GRAMINEAE: SORGHUM BICOLOR GROWTH CHAMBER, GERMINATION DISHES MANNITOL, POLYETHYLENE GLYCOL, VARIETY, SOIL MOISTURE, GIBBERELLIC ACID, ACETIC ACID, KINETIN GERMINATION, WATER UPTAKE

877. STUIVER, C. E. E.; KUIPER, P. J. C.; MARSCHNER, H. LIPIDS FROM BEAN, BARLEY AND SUGARBEET IN RELATION TO SALT RESISTANCE. PHYSIOL. PLANT. 42: 124-128. 1978. BEAN; BARLEY; BEET, SUGAR LEGUMINOSAE: PHASEOLUS VULGARIS; GRAMINEAE: HORDEUM VULGARE; CHENOPODIACEAE: BETA VULGARIS WATER CULTURE LIPID, PHOSPHOLIPIDS, GLYCOLIPID, STEROLS, FATTY ACIDS, SULFOLIPID, PHOSPHATIDYL CHOLINE

878. SUNG, J. M. EFFECTS OF NACL SALINITY ON GERMINATION OF BARLEY CULTIVARS. (CHI; ENG SUM) CHUNG-HUA MUNG HSUEH HUI PAO. J. AGRIC. ASSOC. CHINA. 41-47. 1981. BARLEY GRAMINEAE: HORDEUM VULGARE SODIUM, CHLORIDE GERMINATION, SEEDLING EMERGENCE, SEEDLING GROWTH, SALT TOLERANCE

879. TADMOR, N. H.; COHEN, Y.; HARPAZ, Y. INTERACTIVE EFFECTS OF TEMPERATURE AND OSMOTIC POTENTIAL ON THE GERMINATION OF RANGE PLANTS. CROP SCI. 9: 771-774. 1969. HARDING GRASS; CLOVER, BUR; MEDIC, BARREL; WHEAT; BARLEY; RICEGRASS GRAMINEAE: PHALARIS TUBEROSA, TRITICUM AESTIVUM, HORDEUM VULGARE, ORYZOPSIS HOLCIFORMIS; LEGUMINOSAE: MEDICAGO HISPIDA, MEDICAGO TRUNCATULA GERMINATION DISHES MANNITOL, POLYETHYLENE GLYCOL, TEMPERATURE GERMINATION

880. TAGAWA, T.; ISHIZAKA, N. PHYSIOLOGICAL STUDIES ON THE TOLERANCE OF RICE PLANTS TO SALINITY. 3. MECHANISM OF TRANSLOCATION OF CHLORIDE ION IN RICE PLANTS. (JAP; ENG SUM). PROC. CROP SCI. SOC. JAPAN. 32: 121-123. 1964. RICE GRAMINEAE: ORYZA SATIVA WATER CULTURE SODIUM, CHLORIDE CHLORIDE UPTAKE, CHLORIDE TRANSLOCATION

881. TAGAWA, T.; ISHIZAKA, N. PHYSIOLOGICAL STUDIES ON THE TOLERANCE OF RICE PLANTS TO SALINITY. 4. EFFECTS OF SALINITY ON ROOTING ACTIVITY OF RICE PLANTS (JAP; ENG SUM) PROC. CROP SCI. SOC. JAPAN 32: 124-127. 1964. RICE GRAMINEAE: ORYZA SATIVA SAND SODIUM, CHLORIDE ROOT GROWTH, VEGETATIVE GROWTH, SEED YIELD

882. TAJUDDIN, E.; CHANDRASEKARAN, S. EFFECT OF BORE WELL SALINE WATERS ON THREE RICE TYPES. AGRIC. RES. J. KERALA 17: 160-164. 1979. RICE GRAMINEAE: ORYZA SATIVA POT, SOIL SALINE WATER GRAIN WEIGHT, GRAIN YIELD

883. TAJUDDIN, E.; PARTHASARATHY, V. A.; RAJ, S. A. CHANGES IN BIOCHEMICAL CONSTITUENTS IN MUSKMELON SEEDLINGS CAUSED BY SALINITY. PUNJAB HORT. J. 16: 71-74. 1976. MUSKMELON CUCURBITACEAE: CUCUMIS MELO POT, SOIL CALCIUM, MAGNESIUM, CHLORIDE STARCH, REDUCING SUGAR, PHENOLS, AMINO NITROGEN

884. TAKAHATA, Y.; TSUNODA, S. DIFFERENCE IN SALT TOLERANCE AMONG SPECIES OF BRASSICA AND ALLIED GENERA WITH SPECIAL REFERENCE TO THEIR PHOTOSYNTHETIC RESPONSE. (JAP; ENG SUM) JPN. J. BREED. 31: 383-394. 1981. MUSTARD CRUCIFERAE: BRASSICA SAND SODIUM, CHLORIDE PHOTOSYNTHESIS, SODIUM UPTAKE

885. TAL, M.; HEIKIN, H.; DEHAN, K. SALT TOLERANCE IN THE WILD RELATIVES OF THE CULTIVATED TOMATO. RESPONSES OF CALLUS

TISSUE OF LYCOPERSICON ESCULENTUM, L. PERUVIANUM, AND SOLANUM PENNELLII TO HIGH SALINITY. Z. PFLANZENPHYSIOL. 86: 231-240. 1978. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM, LYCOPERSICON PERUVIANUM, SOLANUM PENNELLII GREENHOUSE, WATER CULTURE, CALLUS TISSUE SODIUM, CHLORIDE VEGETATIVE GROWTH, CHLORIDE UPTAKE, SODIUM UPTAKE, POTASSIUM UPTAKE

886. TAL, M.; KATZ, A. SALT TOLERANCE IN THE WILD RELATIVES OF THE CULTIVATED TOMATO; THE EFFECT OF PROLINE ON THE GROWTH OF CALLUS TISSUE OF LYCOPERSICON ESCULENTUM AND LYCOPERSICON PERUVIANUM UNDER SALT AND WATER STRESSES. Z. PFLANZENPHYSIOL. 98: 283-288. 1980. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM, LYCOPERSICON PERUVIANUM WATER CULTURE, GREENHOUSE SODIUM, CHLORIDE, MANNITOL, PROLINE, DEHYDROPROLINE CALLUS GROWTH

887. TAL, M.; KATZ, A.; HEIKIN, H.; DEHAN, K. SALT TOLERANCE IN WILD RELATIVES OF THE CULTIVATED TOMATO: PROLINE ACCUMULATION IN LYCOPERSICON ESCULENTUM. MILL., L. PERUVIANUM MILL. AND SOLANUM PENNELLI COR. TREATED WITH NACL AND POLYETHYLENE GLYCOLE. NEW PHYTOL. 82: 349-355. 1979. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM, LYCOPERSICON PERUVIANUM, SOLANUM PENNELLII GREENHOUSE, WATER CULTURE, POT SODIUM, CHLORIDE, POLYETHYLENE GLYCOL PROLINE, CHLORIDE UPTAKE, SUCCULENCE

888. TAL, M.; ROSENTAL, I.; ABRAMOVITZ, R.; FORTI, M. SALT TOLERANCE IN SIMMONDSIA CHINENSIS: WATER BALANCE AND ACCUMULATION OF CHLORIDE, SODIUM, AND PROLINE UNDER LOW AND HIGH SALINITY. ANN. BOT. 43: 701-708. 1979. JOJOBA BUXACEAE: SIMMONDSIA CHINENSIS WATER CULTURE, GREENHOUSE SODIUM, CHLORIDE VEGETATIVE GROWTH, LEAF WATER CONTENT, SODIUM UPTAKE, CHLORIDE UPTAKE, PROLINE

889. TAWFIC, H. A.; ABO EL-SAOD, I. A.; MARIA, A. M. EFFECT OF SALT CONCENTRATIONS ON THE GROWTH AND INTERNAL STRUCTURE OF COWPEA PLANTS. ANN. AGRIC. SCI. 20:171-185. 1977. COWPEA LEGUMINOSAE: VIGNA UNGUICULATA SAND, POT SODIUM, CALCIUM, CHLORIDE VEGETATIVE GROWTH, ANATOMICAL RESPONSE

890. TAYLOR, N. SALT TOLERANCE OF LONG ISLAND SALT MARSH PLANTS. NEW YORK STATE MUS., ALBANY, N. Y. CIRC. 23:42 PP. 1939. SALT MARSH GRASS; SALT MEADOW GRASS; ELDER, MARSH; FLEABANE, MARSH; LAVENDER, SEA; GLASSWORT; GROUNDSELBUSH; SPIKE GRASS; GOLDENROD, SEASIDE; REED, DITCH PLUMBAGINACEAE: LIMONIUM CAROLINIANUM; GRAMINEAE: SPARTINA ALTERNIFLORA GLABRA, SPARTINA PATENS, DISTICHLIS SPICATA, PHRAGMITES COMMUNIS; COMPOSITAE: IVA ORARIA, PLUCHEA CAMPHORATA, BACCHARIS HALIMIFOLIA, CHENOPODIACEAE: SALICORNIA EUROPAEA ECOLOGY

891. TEAS, H. J. SALINE SILVICULTURE. BIOSALINE RESEARCH: A LOOK TO THE FUTURE. A. SAN PIETRO (ED.). PLENUM PUBL. CORP. 369-381. 1982. MANGROVE RHIZOPHORACEAE: RHIZOPHORA MANGLE FIELD SALINE WATER WOOD YIELD, SELECTIVE BREEDING, SILVICULTURE

892. TEMPLE, P. J.; LINZON, S. N.; SMITH, M. L. FLUORINE AND BORON EFFECTS ON VEGETATION IN THE VICINITY OF FIBERGLASS PLANT. WATER, AIR AND SOIL POLLUTION 10: 163-174. 1978. MAPLE, SILVER; BOX ELDER; BUCKTHORN, COMMON ACERACEAE: ACER SACCHARINUM, ACER NEGUNDO RHAMNACEAE: RHAMNUS CATHARTICA FIELD PLOT BORON, FLUORINE, AEROSOL BORON UPTAKE, FLUORIDE UPTAKE, SHOOT GROWTH

893. TEMPLE, P. J.; RICHARDS, R. A. EFFECTS OF ATMOSPHERIC DEPOSITION OF SODIUM SULFATE ON BEAN AND TOMATO PLANTS. BULL. ENVIRON. CONTAM. TOXICOL. 19: 257-263. 1978. BEAN, PINTO; TOMATO LEGUMINOSAE: PHASEOLUS VULGARIS: SOLANACEAE: LYCOPERSICON ESCULENTUM GREENHOUSE SODIUM, SULFATE, SALT SPRAY VEGETATIVE GROWTH, ROOT GROWTH, SODIUM UPTAKE

894. TESU, C.; MERLESCU, E.; AVARVAREI, I.; VACARU, M. O. TOLERANTA LA SALINITATE A CITORVA SOIURI DE MAZARE. SALT TOLERANCE OF SOME PEA VARIETIES. (RUM; ENG SUM). LUC. STIINT. INST. AGRON. 23: 61-62. 1979. PEA LEGUMINOSAE: PISUM SATIVUM SOIL SODIUM, CHLORIDE SALT TOLERANCE

895. THERIOS, I. N.; WEINBAUM, ST. A. INFLUENCE OF SALINIZATION ON GROWTH, MINERAL COMPOSITION, NITRATE COMPENSATION POINT AND NITRATE UPTAKE BY TWO PLUM CLONES GROWN IN SOLUTION CULTURE. Z. PFLANZENPHYSIOL. 99: 306-311. 1980. PLUM, CHERRY; PLUM, WILD-GOOSE ROSACEAE: PRUNUS CERASIFERA, PRUNUS MUNSONIANA GROWTH CHAMBER, WATER CULTURE MANNITOL, SODIUM, CHLORIDE OSMOTIC PRESSURE, NITROGEN UPTAKE, NITRATE COMPENSATION POINT, VEGETATIVE GROWTH

896. THOMAS, J. R. OSMOTIC AND SPECIFIC SALT EFFECTS ON GROWTH OF COTTON. AGRON. J. 72: 407-412. 1980. COTTON MALVACEAE: GOSSYPIUM HIRSUTUM SOIL, FIELD PLOT SODIUM, CALCIUM, MAGNESIUM, CHLORIDE, SALINE SOIL VEGETATIVE GROWTH, GROWTH RATE, SODIUM UPTAKE, MAGNESIUM UPTAKE, CALCIUM UPTAKE

897. THOMAS, J. R.; LANGDALE, G. W. IONIC BALANCE IN COASTAL BERMUDAGRASS INFLUENCED BY NITROGEN FERTILIZATION AND SOIL SALINITY. AGRON J. 72: 449-452. 1980. BERMUDA GRASS GRAMINEAE: CYNODON DACTYLON POT, SOIL SODIUM, CHLORIDE, CALCIUM, SULFATE, MAGNESIUM, POTASSIUM VEGETATIVE GROWTH, MINERAL COMPOSITION

898. THOMAS, J. R.; SALINAS, F. G.; OERTHER, G. F. USE OF SALINE WATER FOR SUPPLEMENTAL IRRIGATION OF SUGARCANE. AGRON. J. 73: 1011-1017. 1981. SUGARCANE GRAMINEAE: SACCHARUM OFFICINARUM FIELD PLOTS, SOIL SALINE WATER, WATER QUALITY YIELD, HEIGHT, SODIUM UPTAKE

899. TINKER, P. B.; REED, L.; LEGG, C.; HOJER-PEDERSON, S. THE EFFECTS OF CHLORIDE IN FERTILIZER SALTS ON CROP SEED GERMINATION. J. SCI. FOOD AGRIC. 28: 1045-1051. 1977. LETTUCE; WHEAT; BEET, SUGAR; CORN; CAULIFLOWER COMPOSITAE: LACTUCA SATIVA; GRAMINEAE: TRITICUM AESTIVUM, ZEA MAYS; CHENOPODIACEAE: BETA VULGARIS; CRUCIFERAE: BRASSICA OLERACEA VAR BOTRYTIS SOIL CHLORIDE, SOIL MOISTURE, NITRATE GERMINATION

900. TOMAR, O. S.; YADAV, J. S. P. EFFECT OF SALINE IRRIGATION WATER OF VARYING EC, SAR AND RSC LEVELS ON GERMINATION AND SEEDLING GROWTH OF SOME FOREST SPECIES. INDIAN J. FOR. 3: 306-314. 1980. GUM-ARABIC; WOMAN'S-TONGUE TREE; JERUSALEM-THORN; KARUM TREE; MESQUITE LEGUMINOSAE: ACACIA NILOTICA, ACACIA TORTILIS, ALBIZIA LEBBECK, PARKINSONIA ACULEATA, PONGAMIA PINNATA, PROSOPIS JULIFLORA; MYRTACEAE: EUCALYPTUS HYBRID; LYTHRACEAE: LAWSONIA GLAUCA POT, SOIL, SAND CALCIUM, CHLORIDE, SODIUM GERMINATION, SEEDLING GROWTH

901. TOMAS, I. PRILOG POZNAVANJU KONCENTRACIJE BORA U VODI ZA NAVODNJAVANJE KOD UZGOJA STAKLENICKIH KULTURA. A CONTRIBUTION TO THE KNOWLEDGE OF BORON CONCENTRATION IN IRRIGATION WATER USED IN THE GROWING OF GREENHOUSE PLANTS PHYTOTOXICITY. (ENG SUM). AGROHEMIJA 5: 231-235. 1980. CUCUMBER CUCURBITACEAE: CUCUMIS SATIVUS GREENHOUSE BORON VEGETATIVE GROWTH

902. TOTAWAT, K. L.; SINGH, R. M. EFFECT OF QUALITY OF IRRIGATION WATERS ON YIELD AND SUGAR CONTENT OF SUGARBEET (BETA VULGARIS L.). CURR. AGRIC. 1: 59-61. 1977. BEET, SUGAR CHENOPODIACEAE: BETA VULGARIS FIELD PLOT, SOIL SODIUM, CHLORIDE, CALCIUM YIELD, CROP QUALITY

903. TOTAWAT, K. L.; SINGH, R. M. EFFICACY OF SOIL CONDITIONERS AND NITROGEN UNDER SALINE-SODIC IRRIGATION ON PEA. 1. DRY MATTER, NITROGEN AND GREEN POD YIELD AND QUALITY OF PODS. INDIAN J. AGRON. 26: 42-48. 1981. PEA LEGUMINOSAE: PISUM SATIVUM FIELD, SOIL BRACKISH WATER YIELD, VEGETATIVE GROWTH, CROP QUALITY

904. TOTAWAT, K. L.; SINGH, R. M. EFFICANCY OF SOIL CONDITIONERS AND NITROGEN UNDER SALINE-SODIC IRRIGATION ON SUGARBEET (BETA VULGARIS L.) DRY MATTER, YIELD, AND SUGAR PRODUCTION. ANNU. ARID ZONE 17: 209-215. 1978. BEET, SUGAR CHENOPODIACEAE: BETA VULGARIS FIELD PLOT, SOIL GYPSUM, SULFUR, MANURE, NITROGEN, SALINE WATER ROOT YIELD, SUGAR YIELD, VEGETATIVE GROWTH

905. TOWNLEY-SMITH, L. J.; REDMANN, R. E. INJURY TO ASPEN (POPULUS TREMULOIDES) EXPOSED TO AIRBORNE SALT FROM POTASH MINES IN SASKATCHEWAN. CAN. J. BOT. 58: 2616-2623. 1980. ASPEN, QUAKING SALICACEAE: POPULUS TREMULOIDES FIELD POTASH, POTASSIUM, CHLORIDE, SODIUM LEAF FREQUENCY, LEAF INJURY, BRANCH INJURY, CHLORIDE UPTAKE

906. TOWNSEND, A. M. RESPONSE OF SELECTED TREE SPECIES TO SODIUM CHLORIDE. J. AM. SOC. HORTIC. SCI. 105: 878-883. 1980. DOGWOOD, FLOWERING; SYCAMORE, EASTERN; OAK, PIN; LOCUST, HONEY; PINE, WHITE; PAGODA TREE, JAPANESE CORNACEAE: CORNUS FLORIDA; PLATANACEAE: PLATANUS OCCIDENTALIS; FAGACEAE: QUERCUS PALUSTRIS; LEGUMINOSAE: GLEDITSIA TRIACANTHOS, SOPHORA JAPONICA; PINACEAE: PINUS STROBUS GREENHOUSE, WATER CULTURE, POT SODIUM, CHLORIDE VEGETATIVE GROWTH, HEIGHT, SODIUM UPTAKE, CHLORIDE UPTAKE, MINERAL COMPOSITION

907. TRAVNIK, K.; GLOS, J. VYNOSY PLODIN PRI STUPNOVANYCH DAVKACH STOPOVYCH PRVKU. CROP YIELDS WITH INCREASED DOSES OF TRACE ELEMENTS. (CZE; ENG SUM). HERB. ABSTR. 49: 2882. 1979. BARLEY; OATS GRAMINEAE: HORDEUM, AVENA SOIL, POT, FIELD MOLYBDENUM, BORON, COPPER, MANGANESE, ZINC YIELD

908. TRIPATHI, B. R.; MISRA, B.; SINGH, R. M.; SINGH, B. P. QUALITY OF IRRIGATION WATER AND ITS EFFECT ON SOIL CHARACTERISTICS IN SEMI-DESERT TRACT OF UTTAR PRADESH. II. EFFECT OF WATER QUALITY ON SOIL PROPERTIES AND YIELD OF WHEAT CROP. INDIAN J. AGRON. 16: 95-102. 1971. WHEAT GRAMINEAE: TRITICUM AESTIVUM FIELD, SOIL SALINE SOIL, SODIUM ADSORPTION RATIO, SALINE WATER GRAIN YIELD, STRAW YIELD

909. TRUMAN, R.; LAMBERT, M. J. SALINITY DAMAGE TO NORFOLK ISLAND PINES CAUSED BY SURFACTANTS. I. THE NATURE OF THE PROBLEM AND EFFECT OF POTASSIUM, SODIUM, AND CHLORIDE CONCENTRATION ON UPTAKE BY ROOTS. AUST. J. PLANT PHYSIOL. 5: 377-385. 1978. PINE, NORFOLK ISLAND ARAUCARIACEAE: ARAUCARIA HETEROPHYLLA POT, WATER CULTURE, GREENHOUSE, FIELD SODIUM, CHLORIDE, POTASSIUM SODIUM UPTAKE, CHLORIDE UPTAKE, POTASSIUM UPTAKE

910. TU, J. C. EFFECT OF SALINITY ON RHIZOBIUM-ROOT-HAIR INTERACTION, NODULATION AND GROWTH OF SOYBEAN. CAN. J. PLANT SCI. 61: 231-239. 1981. SOYBEAN LEGUMINOSAE: GLYCINE MAX GREENHOUSE, POT, WATER CULTURE SODIUM, CHLORIDE ROOT GROWTH, RHIZOBIUM, NODULATION, VEGETATIVE GROWTH

911. TUR, N. S.; VOROB'EV, N. V.; ZHURBA, T. P. EFFECTS OF ISOOSMOTIC SOLUTIONS OF DEXTRAN, SODIUM CHLORIDE AND SODIUM SULFATE ON GERMINATION OF SEEDS AND RESPIRATION OF EMBRYOS IN RICE. SOV. PLANT PHYSIOL. 26: 360-363. 1979. RICE GRAMINEAE: ORYZA SATIVA WATER CULTURE DEXTRAN, SODIUM, CHLORIDE, SULFATE GERMINATION, SEEDLING GROWTH, RESPIRATION

912. TURNER, J. F.; TOMLINSON, J. D.; CALDWELL, R. A. EFFECT OF SALTS ON THE ACTIVITY OF CARROT PHOSPHOFRUCTOKINASE. PLANT PHYSIOL. 66: 973-977. 1980. CARROT UMBELLIFERAE: DAUCUS CAROTA TEST TUBE SODIUM, CALCIUM, CHLORIDE, POTASSIUM ENZYME, ENZYME ACTIVITY

913. TYAGI, A. K.; RASHID, A.; MAHESHWARI, S. C. SODIUM CHLORIDE RESISTANT CELL LINE FROM HAPLOID DATURA INNOXIA MILL. A RESISTANCE TRAIT CARRIED FROM CELL TO PLANTLET AND VICE VERSA IN VITRO. PROTOPLASMA 105: 327-332. 1981. THORN

APPLE, DOWNY SOLANACEAE: DATURA INOXIA SODIUM, CHLORIDE GENETIC INTERACTION, CALLUS GROWTH, GENETIC VARIABILITY

914. TYLER, N. J.; FOWLER, D. B.; GUSTA, L. V. THE EFFECT OF SALT STRESS ON THE COLD HARDINESS OF WINTER WHEAT. CAN. J. PLANT SCI. 61: 543-548. 1981. WHEAT GRAMINEAE: TRITICUM AESTIVUM GERMINATION DISH SODIUM, CHLORIDE YIELD, COLD HARDINESS

915. UDOVENKO, G. V.; SINEL'NIKOVA, V. N.; SEMUSHINA, L. A.; EVDOKIMOV, V. M. EFFECT OF SOIL SALINIZATION ON THE PHOTOSYNTHETIC ACTIVITY OF PLANTS AND ON THE ACCUMULATION OF STORAGE SUBSTANCES. (RUS). BIULL. VSES. INST. RASTENIEVOD 63: 40-44. 1976. BARLEY; WHEAT; BEAN, BROAD; MILLET, PROSO; POTATO LEGUMINOSAE: VICIA FABA; GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM, PANICUM MILIACEUM; SOLANACEAE: SOLANUM TUBEROSUM GREENHOUSE, SAND SODIUM, CHLORIDE PHOTOSYNTHESIS, VEGETATIVE GROWTH, PROTEIN

916. UMIEL, N.; ZAHAVI, E.; CHEN, Y. EFFECTS OF SALINITY STRESSES ON TOBACCO. 2. SHORT TERM KINETICS OF NA+ AND K+ UPTAKE BY CALLUS CULTURES GROWN ON MEDIA CONTAINING NACL. Z. PFLANZENPHYSIOL. 100: 363-367. 1980. TOBACCO SOLANACEAE: NICOTIANA TABACUM GERMINATION DISH SODIUM, CHLORIDE SODIUM UPTAKE, POTASSIUM UPTAKE

917. UNGAR, I. A. THE EFFECTS OF SALINITY AND HORMONAL TREATMENTS ON GROWTH AND ION UPTAKE OF SALICORNIA EUROPAEA. SOC. BOT. FR. ACTUALITES BOT. 3-4: 95-104. 1978. CHENOPODIACEAE: SALICORNIA EUROPAEA POT, VERMICULITE SODIUM, CHLORIDE, GIBBERELLIC ACID, KINETIN VEGETATIVE GROWTH, SODIUM UPTAKE, CHLORIDE UPTAKE, WATER CONTENT

918. UNGAR, I. A. GERMINATION ECOLOGY OF HALOPHYTES. TASKS FOR VEGETATION SCIENCE: 143-154. 1982. GERMINATION

919. UNGAR, I. A. HALOPHYTE SEED GERMINATION. BOT. REV. 44: 233-264. 1978. HALOPHYTE

920. UNGAR, I. A. SALINITY, TEMPERATURE, AND GROWTH REGULATOR EFFECTS ON SEED GERMINATION OF SALICORNIA EUROPAEA. AQUAT. BOT. 3:329-336. 1977. SAMPHIRE; GLASSWORT CHENOPODIACEAE: SALICORNIA EUROPAEA GERMINATION DISHES GIBBERELLIC ACID, KINETIN, SODIUM, CHLORIDE, TEMPERATURE GERMINATION

921. UNGAR, I. A. SEED DIMORPHISM IN SALICORNIA EUROPAEA L. BOT. GAZ. 140: 102-108. 1979. SAMPHIRE CHENOPODIACEAE: SALICORNIA EUROPAEA GERMINATOR, GERMINATION DISH SODIUM, CHLORIDE, GIBBERELLIC ACID, ZEATIN RIBOSIDE, LIGHT SEED WEIGHT, SEED SIZE, GERMINATION

922. UNGAR, I. A. SPECIES-SOIL RELATIONSHIPS ON SULFATE DOMINATED SOILS OF SOUTH DAKOTA. AMER. MIDLAND NAT. 83: 343-357. 1970. CHENOPODIACEAE: SALICORNIA EUROPAEA, SUAEDA DEPRESSA; CYPERACEAE: SCIRPUS PALUDOSUS; POTAMOGETONACEAE: POTAMOGETON PECTINATUS; GRAMINEAE: PUCCINELLIA NUTTALINA, DISTICHLIS STRICTA, PHARAGMITES COMMUNIS, HORDEUM JUBATUM, POA ARIDA, AGROPYRON SMITHII FIELD, SOIL SALINE SOIL, SULFATE ECOLOGY

923. UNGAR, I. A.; BENNER, D. K.; MCGRAW, D. C. THE DISTRIBUTION AND GROWTH OF SALICORNIA EUROPAEA ON AN INLAND SALT PAN. ECOLOGY 60: 329-336. 1979. CHENOPODIACEAE: SALICORNIA EUROPAEA FIELD PLOT, SOIL, GERMINATION DISHES, VERMICULITE, POT SALINE SOIL, SODIUM, CHLORIDE GERMINATION, ECOLOGY, VEGETATIVE GROWTH, ROOT GROWTH

924. VALENZUELA, J. B.; SEPULVEDA, G. R. BORON EXCESS IN ELQUI VALLEY VINEYARDS (SPA; ENG SUM). AGRIC TECN. (SANTIAGO) 37:93-96. 1977. GRAPE VITACEAE: VITIS SOIL, FIELD BORON BORON TOXICITY

925. VARADINOV, S. G. SALT-HARDINESS OF THE SPECIES AND VARIETY DIVERSITY OF SORGHUM (SORGHUM MOEUCH, SUBGEN. SORGHUM). (RUS). BIULL. VSES INST. RASTENIEVOD 53: 40-44. 1975. GRAMINEAE: SORGHUM MOEUCH GERMINATION DISHES VARIETY, SODIUM, CHLORIDE, SULFATE GERMINATION

926. VARSHNEY, K. A. GROWTH AND DEVELOPMENT OF TWO DIFFERENTIALLY SALINIZED GUAR VARIETIES UNDER THE INFLUENCE OF SOME HORMONES. INDIAN J. PLANT PHYSIOL. 23: 199-205. 1980. GUAR LEGUMINOSAE: CYAMOPSIS TETRAGONOLOBUS POT, GROWTH CHAMBER, SOIL CALCIUM, CHLORIDE, SODIUM, HORMONES, KINETIN, INDOLEACETIC ACID CHLOROPHYLL, LEAF FREQUENCY, HEIGHT, WATER CONTENT

927. VARSHNEY, K. A.; BAIJAL, B. D. EFFECT OF SALT STRESS ON CHLOROPHYLL CONTENTS OF SOME GRASSES. INDIAN J. PLANT PHYSIOL. 20: 161-163. 1977. PANIC GRASS, BLUE; RHODES GRASS GRAMINEAE: PANICUM ANTIDOTALE, SETARIA SPHACELATA, CHLORIS GAYANA, PENNISETUM PEDICELLATUM SOIL, POT SODIUM, CALCIUM, CHLORIDE CHLOROPHYLL "A", CHLOROPHYLL "B"

928. VARSHNEY, K. A.; BAIJAL, B. D. INFLUENCE OF HORMONAL TREATMENTS ON CHLOROPHYLL RETENTION IN LEAF DISKS FROM SOME SALT STRESSED GRASSES. COMP. PHYSIOL. ECOL. 4: 104-105. 1979. PANIC GRASS, GIANT GRAMINEAE: PANICUM ANTIDOTALE, SETARIA SPHACELATA, PENNISETUM PEDICELLATUM POT, SOIL KINETIN, GIBBERELLIC ACID, INDOLEACETIC ACID CHLOROPHYLL

929. VARSHNEY, K. A.; BAIJAL, B. D. NOTE ON THE INFLUENCE OF SALINITY ON EARLY SEEDLING GROWTH OF SOME PASTURE GRASSES. INDIAN J. AGRIC. RES. 11: 59-61. 1977. PANIC GRASS, GIANT GRAMINEAE: PANICUM ANTIDOTALE, PENNISETUM PEDICELLATUM, SETARIA SPHACELATA TEST TUBE SODIUM, CALCIUM, CHLORIDE ROOT GROWTH, SEEDLING GROWTH

930. VARSHNEY, S. P. PLASTICITY OF CYNODON DACTYLON PERS. TO SALT-STRESS. COMP. PHYSIOL. ECOL. 4: 140-142. 1979. BERMUDA GRASS GRAMINEAE: CYNODON DACTYLON POT, SOIL SODIUM, CARBONATE, SULFATE, CHLORIDE FLOWERING, WILTING

931. VAUGHAN, A. K. F. THE RELATION BETWEEN THE CONCENTRATION OF BORON IN THE REPRODUCTIVE AND VEGETATIVE ORGANS OF MAIZE PLANTS AND THEIR DEVELOPMENT. RHOD. J. AGRIC. RES. 15: 163-170. 1977. CORN GRAMINEAE: ZEA MAYS GREENHOUSE, SAND, POT BORON BORON UPTAKE, LEAF INJURY, GRAIN YIELD, VEGETATIVE GROWTH

932. VEERANNAH, L.; BALAKRISHNAN, R.; RAMAN, K. R.; ALAGIAMANAVALON, R. S. SCREENING OF DIFFERENT VARIETIES OF BANANA AND PAPAYA FOR SALT TOLERANCE. INDIAN J. HORTIC. 31: 135-139. 1974. BANANA; PAPAYA MUSACEAE: MUSA PARADISIACA; CARICACEAE: CARICA PAPAYA WATER CULTURE SODIUM, CHLORIDE SALT TOLERANCE

933. VENABLES, A. V.; WILKINS, D. A. SALT TOLERANCE IN PASTURE GRASSES. NEW PHYTOL. 80: 613-622. 1978. QUACK GRASS; BENTGRASS, CREEPING; FESCUE, RED; RYEGRASS, PERENNIAL; ALKALI GRASS GRAMINEAE: AGROPYRON REPENS, AGROSTIS STOLONIFERA, FESTUCA RUBRA, HORDEUM SECALINUM, LOLIUM PERENNE, PUCCINELLIA DISTANS WATER CULTURE SODIUM, CHLORIDE ROOT GROWTH, HYBRIDS, VEGETATIVE GROWTH

934. VENKAT RAJU, K.; RANGANAYAKULU, C. EFFECT OF SALINE WATER IRRIGATION ON SALT DISTRIBUTION IN PROFILE AND PERFORMANCE OF SUNFLOWER CROP. INDIAN J. AGRIC. RES. 12: 183-186. 1978. SUNFLOWER; MILLET, AFRICAN COMPOSITAE: HELIANTHUS

ANNUUS; GRAMINEAE: ELEUSINE CORACANA FIELD PLOT, SOIL SALINE WATER, SODIUM, CHLORIDE, BICARBONATE, MAGNESIUM, SULFATE, CALCIUM OIL YIELD, SEED YIELD

935. VENKAT RAJU, K.; SARMA, D. A.; RANGANAYAKULU, C. EVALUATION OF GROUNDNUT AND SUNFLOWER FOR THEIR SUITABILITY TO SALINE WATER IRRIGATION. J. RES. APAU. II. 2: 76-79. 1975. PEANUT; SUNFLOWER LEGUMINOSAE: ARACHIS HYPOGAEA; COMPOSITAE: HELIANTHUS ANNUUS FIELD, SOIL SALINE WATER, SODIUM, CHLORIDE, CALCIUM YIELD, VEGETATIVE GROWTH, OIL YIELD

936. VERMA, K. S.; ABROL, I. P. EFFECT OF GYPSUM AND PYRITES ON YIELD AND CHEMICAL COMPOSITION OF RICE AND WHEAT GROWN IN A HIGHLY SODIC SOIL. INDIAN J. AGR. SCI. 50: 935-942. 1980. RICE; WHEAT GRAMINEAE: ORYZA SATIVA, TRITICUM AESTIVUM FIELD PLOT, SOIL SODIC SOIL, GYPSUM, CALCIUM, SULFATE, PYRITE STRAW YIELD, GRAIN YIELD, EXCHANGEABLE SODIUM PERCENTAGE, MINERAL COMPOSITION

937. VERMA, R. S.; SINGH, D CRITICAL LIMIT OF WHEAT TOLRANCE AND NUTRIENT AVAILABILITY UNDER DIFFERENT DEGREES OF SALINITY AND ALKALINITY STATUS. FOOD FARMING AGRIC. 7: 25-27. 1976. WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, SOIL ALKALINE WATER, SALINE WATER GERMINATION, TILLERING, GRAIN YIELD, HEIGHT, VEGETATIVE GROWTH, STRAW YIELD

938. VERMA, S. K.; POONIA, S. R. RELATIVE PERFORMANCE OF HYBRID NO. 1 AND HYBRID NO. 3 CULTIVARS OF BAJRA UNDER SALINE CONDITIONS, GERMINATION AND EARLY SEEDLING GROWTH. INDIAN J. AGRIC. RES. 11:238-240. 1977. MILLET, PEARL GRAMINEAE: PENNISETUM AMERICANUM GERMINATION DISHES SODIUM, CALCIUM, CHLORIDE GERMINATION, SEEDLING GROWTH, ROOT GROWTH

939. VERMA, U. K. SALINE IRRIGATION OF WHEAT AT VARIOUS GROWTH STAGES. J. SCIENT. RES. BANARAS HINDU UNIV. 21: 171-174. 1971. WHEAT GRAMINEAE: TRITICUM AESTIVUM FIELD PLOT, SOIL SODIUM, CHLORIDE, CALCIUM VEGETATIVE GROWTH, YIELD

940. VINSON, A. E.; CATLIN, C. N. RESISTANCE OF CROPS TO ALKALI. ARIZONA STA. RPT. 1918: 342-345. 1918. COTTON; SORGHUM; BARLEY; ASPARAGUS; FETERITA; MILO; ALFALFA GRAMINEAE: SORGHUM BICOLOR, HORDEUM VULGARE; LILIACEAE: ASPARAGUS OFFICINALIS; LEGUMINOSAE: MEDICAGO SATIVA; MALVACEAE: GOSSYPIUM FIELD ALKALI SOIL VEGETATIVE GROWTH

941. VLAMIS, J.; ULRICH, A. BORON TOLERANCE OF SUGAR BEETS IN RELATION TO THE GROWTH AND BORON CONTENT OF TISSUES. J. AM. SOC. SUGAR BEET TECHNOL. 17: 280-288. 1973. BEET, SUGAR CHENOPOODIACEAE: BETA VULGARIS WATER CULTURE BORON TOP GROWTH, ROOT GROWTH, LEAF INJURY, BORON UPTAKE

942. VOICA, C. L'INFLUENCE DU B SUR LES PLANTES DE TABAC VARIETE BARAGAN 226. EFFECT OF BORON ON PLANTS OF TOBACCO CV BARAGAN 226. (FRE). REV. ROUM. BIOL., SER. BOT 16: 63-71. 1971. TOBACCO SOLANACEAE: NICOTIANA TABACUM POT, SAND BORON CATALASE, CHLOROPHYLL, RESPIRATION, VEGETATIVE GROWTH, PHOTOSYNTHESIS

943. VORA, A. B.; PATEL, M. K. EFFECTS OF VARIOUS OSMOTICA ON SEEDLING GROWTH OF OAT. INDIAN J. PLANT PHYSIOL. 20: 44-49. 1977. OATS GRAMINEAE: AVENA SATIVA GERMINATION DISH SODIUM, CHLORIDE, MANNITOL, POLYETHYLENE GLYCOL, SUCROSE ROOT GROWTH, SEEDLING GROWTH

944. WAGENET, R. J.; CAMPBELL, W. F.; BAMATRAF, A. M.; TURNER, D. L. SALINITY, IRRIGATION FREQUENCY, AND FERTILIZATION

EFFECTS ON BARLEY GROWTH. AGRON. J. 72: 969-974. 1980. BARLEY GRAMINEAE: HORDEUM VULGARE GREENHOUSE, POT SODIUM, CHLORIDE, CALCIUM HEIGHT, VEGETATIVE GROWTH, SEED WEIGHT, SHOOT GROWTH, YIELD

945. WAGHMODE, A. P.; JOSHI, G. V. EFFECT OF SODIUM CHLORIDE ON PHOTOSYNTHESIS IN A SALINE GRASS AELUROPUS LAGOPOIDES. BOT. MAR. 24: 361-364. 1981. GRASS, SALT GRAMINEAE: AELUROPUS LAGOPOIDES GREENHOUSE SODIUM, CHLORIDE PHOTOSYNTHESIS

946. WAITE, S.; HUTCHINGS, M. J. THE EFFECTS OF SOWING DENSITY, SALINITY AND SUBSTRATE UPON THE GERMINATION OF SEEDS OF PLANTAGO CORONOPUS. NEW PHYTOL. 81:341-348. 1978. PLANTAGINACEAE: PLANTAGO CORONOPUS GERMINATION DISHES SEA WATER, GERMINATION SUBSTRATE, SEED DENSITY GERMINATION

947. WALKER, M. A.; DUMBROFF, E. B. EFFECTS OF SALT STRESS ON ABSCISIC ACID AND CYTOKININ LEVELS IN TOMATO. Z. PFLANZENPHYSIOL. 101: 461-470. 1981. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM SAND, POT SODIUM, CHLORIDE OSMOTIC POTENTIAL, VEGETATIVE GROWTH, ABSCISIC ACID

948. WALKER, R. R.; DOWNTON, W. J. S. PHOTOSYNTHESIS IN SALT STRESSED WOODY PERENNIALS. BIOSALINE RESEARCH: A LOOK TO THE FUTURE. A. SAN PIETRO (ED.). PLENUM PUBL. CORP. 549-554. 1982. GRAPE; GUAVA; CITRUS VITACEAE: VITIS VINIFERA; MYRTACEAE: PSIDIUM GUAJAVA; RUTACEAE: CITRUS MEDICA SODIUM, CHLORIDE PHOTOSYNTHESIS, STOMATAL RESISTANCE, CHLORIDE UPTAKE

949. WALKER, R. R.; HAWKER, J. S.; TOROKFALVY, E. EFFECT OF NACL ON GROWTH, ION COMPOSITION AND ASCORBIC ACID CONCENTRATIONS OF CAPSICUM FRUIT. SCIENTIA HORT. 12: 211-220. 1979. PEPPER SOLANACEAE: CAPSICUM ANNUUM GREENHOUSE, SOIL SODIUM, CHLORIDE, CALCIUM, NITRATE ASCORBIC ACID, VEGETATIVE GROWTH, MINERAL COMPOSITION, FRUIT GROWTH, NITROGEN UPTAKE

950. WALKER, R. R.; KRIEDEMANN, P. E.; MAGGS, D. H. GROWTH, LEAF PHYSIOLOGY AND FRUIT DEVELOPMENT IN SALT-STRESSED GUAVAS. AUST. J. AGRIC. RES. 30: 477-488. 1979. GUAVA MYRTACEAE: PSIDIUM GUAJAVA GREENHOUSE, POT SODIUM, CHLORIDE VEGETATIVE GROWTH, ROOT GROWTH, STEM GROWTH, PHOTOSYNTHESIS, CHLORIDE UPTAKE, TRANSPIRATION, SODIUM UPTAKE, FRUIT YIELD

951. WALKER, R. R.; TOROKFALVY, E.; STEELE SCOTT, N.; KRIEDEMANN, P. E. AN ANALYSIS OF PHOTOSYNTHETIC RESPONSE TO SALT TREATMENT IN VITIS VINIFERA. AUST. J. PLANT PHYSIOL. 8: 359-374. 1981. GRAPE VITACEAE: VITIS VINIFERA GREENHOUSE, SAND, SOIL SODIUM, CHLORIDE SHOOT GROWTH, OSMOTIC POTENTIAL, PHOTOSYNTHESIS, LEAF WATER POTENTIAL, SHOOT GROWTH, GAS EXCHANGE

952. WALLACE, A.; ROMNEY, E. M.; WOOD, R. A.; EL-GHONEMY, A. A.; BAMBERG, S. A. PARENT MATERIAL WHICH PRODUCES SALINE OUTCROPS AS A FACTOR IN DIFFERENTIAL DISTRIBUTION OF PERENNIAL PLANTS IN THE NORTHERN MOJAVE DESERT. GREAT BASIN NAT. MEM. 4: 140-145. 1980. SALINE SOIL ECOLOGY

953. WALLIHAN, E. F.; SHARPLESS, R. G.; PRINTY, W. L. CUMULATIVE TOXIC EFFECTS OF BORON, LITHIUM, AND SODIUM IN WATER USED FOR HYDROPONIC PRODUCTION OF TOMATOES. J. AM. SOC. HORTIC. SCI. 13: 14-16. 1978. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM WATER CULTURE BORON, LITHIUM, SODIUM LEAF INJURY, MINERAL COMPOSITION

954. WALSH, J. F.; SKUJINS, J. DROUGHT EFFECTS ON THE N2 FIXING (ACETYLENE REDUCING) ABILITY OF VETCH AND SWEETCLOVER GROWING UNDER SALINE CONDITIONS. AGRON. J. 73: 756-758. 1980. VETCH, HAIRY; CLOVER, YELLOW SWEET LEGUMINOSAE: VICIA VILLOSA, MELILOTUS OFFICINALIS GREENHOUSE, POT, SOIL SODIUM, CHLORIDE, CALCIUM VEGETATIVE GROWTH, WATER STRESS, ETHYLENE

955. WAMBIJI, H.; EL-SWAIFY, S. A.; BARTHOLOMEW, D. P. EFFECTS OF SOIL SALINITY STATUS ON PINEAPPLE. II. CHEMICAL COMPOSITION HAWAII AGRIC. EXP. STATION; DEPARTMENTAL PAPER 22. 1974. PINEAPPLE BROMELIACEAE: ANANAS COMOSUS GREENHOUSE, SOIL, POT SODIUM, CHLORIDE MINERAL COMPOSITION

956. WARDLE, K.; DIXON, P. A.; SIMPKINS, I. SODIUM ACCUMULATION BY LEAVES OF CAULIFLOWER PLANTLETS AND THE EFFECT OF THE MODE OF PLANT FORMATION. ANN. BOT. 47: 653-659. 1981. CAULIFLOWER CRUCIFERAE: BRASSICA OLERACEA VAR BOTRYTIS GROWTH CHAMBER, VERMICULITE, TISSUE CULTURE SODIUM, CHLORIDE MINERAL COMPOSITION, PLANTLET FORMATION

957. WEBER, D. J. MECHANISM OF SALT TOLERANCE IN SALICORNIA PACIFICA VAR. UTAHENSIS. BIOSALINE RESEARCH: A LOOK TO THE FUTURE. A. SAN PIETRO (ED.). PLENUM PUBL. CORP. 555-558. 1982. HALOPHYTE; GLASSWORT CHENOPODIACEAE: SALICORNIA UTAHENSIS FIELD, SOIL SALINE SOIL OSMOTIC POTENTIAL, ENZYME, SALT TOLERANCE

958. WEIDINGER, M. ELEKTRONENMIKROSKOPISCHE UNTERSUCHUNGEN AN INNENEPIDERMIS-ZELLEN DER ZWEIBELSCHUPPE VON ALLIUM CEPA, INSBESONDERE NACH EINWIRKUNG VERSCHIEDENER SALZE. I. MITOCHONDRIEN UND PLASTIDEN. ELECTRON MICROSCOPIC STUDIES OF EPIDERMAL CELLS FROM THE INNER SURFACE OF THE SCALE OF ALLIUM CEPA ESPECIALLY AFTER INFLUENCE BY DIFFERENT SALTS. 1. MITOCHRONDRIA AND PLASTIDS. (GER; ENG SUM) MIKROSKOPIE 36: 23-32. 1980. ONION AMARYLLIDACEAE: ALLIUM CEPA SODIUM, CHLORIDE, POTASSIUM, NITRATE MITOCHONDRIA, PLASTIDS

959. WEIHE, K. VON UNTERSUCHUNGEN ZUR OKOLOGIE UND MORPHOLOGIE VON FESTUCA RUBRA L. SSP. RUBRA (TEMPERATUR UND MEERSALZWIRKUNG). STUDIES ON THE ECOLOGY AND MORPHOLOGY OF FESTUCA RUBRA L. SSP. RUBRA. (INFLUENCE OF TEMPERATURE AND SEA WATER). (GER). BEITR. BIOL. PFLANZEN 16: 239-262. 1963. FESCUE, RED GRAMINEAE: FESTUCA RUBRA GROWTH CHAMBER, GERMINATION DISHES TEMPERATURE, SEA WATER ECOLOGY, MORPHOLOGY, GERMINATION, VEGETATIVE GROWTH, CHLORIDE UPTAKE

960. WEIHE, K. VON UNTERSUCHUNGEN ZUR OKOLOGIE VON FESTUCA RUBRA L. SSP. LITORALIS (G.F.W. MEYER) AUQUIER (TEMPERATUR UND MEERSALZWIRKUNG). STUDIES ON THE ECOLOGY OF FESTUCA RUBRA L. SSP LITORALIS (G.F.W. MEYER) AUQUIER. (INFLUENCE OF TEMPERATURE AND SEA WATER). (GER; ENG SUM) BEITR. BIOL. PFLANZEN 54: 125-143. 1978. FESCUE, RED GRAMINEAE: FESTUCA RUBRA GREENHOUSE, GROWTH CHAMBER SEA WATER, TEMPERATURE VEGETATIVE GROWTH, CHLORIDE UPTAKE, ECOLOGY

961. WEIHE, K. VON UNTERSUCHUNGEN ZUR OKOLOGIE VON PUCCINELLIA MARITIMA (HUDS) PARL (TEMPERATUU UND MEERSALZWIRKUNG) STUDIES ON THE ECOLOGY OF PUCCINELLIA MARITIMA (HUDDS) PARL. (INFLUENCE OF TEMPERATURE AND SEA WATER). (GER; ENG SUM). BEITR. BIOL. PFLANZEN 54: 145-163. 1978. ALKALI GRASS GRAMINEAE: PUCCINELLIA MARITIMA GREENHOUSE, GROWTH CHAMBER SEA WATER, TEMPERATURE VEGETATIVE GROWTH, CHLORIDE UPTAKE, ECOLOGY

962. WEIHE, K. VON ZUR KENNTNIS DER HOMORHIZIETENDENZEN VON AVENA SATIVA L. BEI; MEERSALZEINFLUSS. ON THE KNOWLEDGE OF THE HOMORHICY TENDENCIES OF AVENA SATIVA UNDER SEA WATER INFLUENCE. (GER; ENG SUM) Z. ACKER-PFLANZENB. 147: 100-110. 1978. OATS GRAMINEAE: AVENA SATIVA GREENHOUSE SEA WATER ROOT GROWTH, GERMINATION, RADICLE GROWTH

963. WERKHOVEN, C. H. E.; SALISBURY, P. J.; CRAM, W. H. GERMINATION AND SURVIVAL OF COLORADO SPRUCE, SCOTS PINE, CARAGANA,

AND SIBERIAN ELM AT FOUR SALINITY AND TWO MOISTURE LEVELS. CAN. J. PLANT SCI. 46: 1-7. 1966. SPRUCE, COLORADO; PINE, SCOTS; PEA TREE; ELM, DWARF SIBERIAN PINACEAE: PICEA PUNGENS, PINUS SYLVESTRIS; LEGUMINOSAE: CARAGANA ARBORESCENS; ULMACEAE: ULMUS PUMILA GREENHOUSE, SOIL, POT SODIUM, CHLORIDE, CALCIUM, MAGNESIUM, SULFATE, MOISTURE CONTENT GERMINATION, EMERGENCE, VEGETATIVE GROWTH, HEIGHT

964. WEST, D. W. WATER USE AND SODIUM CHLORIDE UPTAKE BY APPLE TREES. I. THE EFFECT OF NON-UNIFORM DISTRIBUTION OF SODIUM CHLORIDE IN ROOT ZONE. PLANT SOIL 50: 37-49. 1978. APPLE ROSACEAE: MALUS SYLVESTRIS SOIL, SPLIT ROOT, POT SODIUM, CHLORIDE WATER UPTAKE, LEAF WATER POTENTIAL, MINERAL COMPOSITION, SODIUM UPTAKE, CHLORIDE UPTAKE

965. WEST, D. W. WATER USE AND SODIUM CHLORIDE UPTAKE BY APPLE TREES. II. THE RESPONSE TO SOIL OXYGEN DEFICIENCY PLANT SOIL 50: 51-65. 1978 APPLE ROSACEAE: MALUS SYLVESTRIS SOIL, POT, SPLIT ROOT SODIUM, CHLORIDE, WATER TABLE WATER UPTAKE, CHLORIDE UPTAKE, SODIUM UPTAKE

966. WEST, D. W.; BLACK, J. D. IRRIGATION TIMING--ITS INFLUENCE ON THE EFFECTS OF SALINITY AND WATERLOGGING STRESSES IN TOBACCO PLANTS. SOIL SCI. 125: 367-376. 1978. TOBACCO SOLANACEAE: NICOTIANA TABACUM GROWTH CHAMBER, POT WATERLOGGING, SODIUM, CHLORIDE CHLORIDE UPTAKE, SODIUM UPTAKE, POTASSIUM UPTAKE, LEAF DIFFUSION RESISTANCE

967. WEST, D. W.; MERRIGAN, I. F.; TAYLOR, J. A.; COLLINS, G. M. GROWTH OF ORNAMENTAL PLANTS IRRIGATED WITH NUTRIENT OR POLYETHYLENE GLYCOL SOLUTIONS OF DIFFERENT OSMOTIC POTENTIALS. PLANT SOIL 56: 99-111. 1980. PETUNIA; ASTER; NETTLE, PAINTED; WOOL FLOWER; SNAPDRAGON; MARIGOLD, AFRICAN SOLANACEAE: PETUNIA HYBRIDA; LABIATAE: COLEUS BLUMEI; AMARANTHACEAE: CELOSIA PYRAMIDALIS; SCROPHULARIACEAE: ANTIRRHINUM MAJUS; COMPOSITAE: TAGETES ERECTA, CALLISTEPHUS HORTENSIS SAND, POT POLYETHYLENE GLYCOL VEGETATIVE GROWTH, LEAF AREA

968. WEST, D. W.; MERRIGAN, I. F.; TAYLOR, J. A.; COLLINS, G. M. SOIL SALINITY GRADIENTS AND GROWTH OF TOMATO PLANTS UNDER DRIP IRRIGATION. SOIL SCI. 127: 281-291. 1979. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM SCORIA, DRIP IRRIGATION SODIUM, CHLORIDE ROOT GROWTH, CHLORIDE UPTAKE, SODIUM UPTAKE, VEGETATIVE GROWTH

969. WEST, D. W.; TAYLOR, J. A. THE EFFECT OF TEMPERATURE ON SALT UPTAKE BY TOMATO PLANTS WITH DIURNAL AND NOCTURAL WATERLOGGING OF SALINIZED ROOTZONES. PLANT SOIL 56: 113-121. 1980. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM POT, SOIL, GROWTH CHAMBER SODIUM, CHLORIDE, TEMPERATURE, DRAINAGE, IRRIGATION METHOD, WATERLOGGING SODIUM UPTAKE, CHLORIDE UPTAKE, WATER USE, TRANSPIRATION

970. WEST, D. W.; TAYLOR, J. A. GERMINATION AND GROWTH OF CULTIVARS OF TRIFOLIUM SUBTERRANEUM L. IN THE PRESENCE OF SODIUM CHLORIDE SALINITY. PLANT SOIL 62: 221-230. 1981. CLOVER, SUBTERRANEAN LEGUMINOSAE: TRIFOLIUM SUBTERRANEUM GROWTH CHAMBER, SOIL, POT SODIUM, CHLORIDE GERMINATION, SEEDLING GROWTH, OSMOTIC POTENTIAL

971. WEST, D. W.; TAYLOR, J. A. THE RESPONSE OF PHASEOLUS VULGARIS L. TO ROOTZONE ANAEROBIOSIS, WATERLOGGING AND HIGH SODIUM CHLORIDE. ANN. BOT. 46: 51-60. 1980. BEAN, KIDNEY LEGUMINOSAE: PHASEOLUS VULGARIS POT, SAND SODIUM, CHLORIDE, WATERLOGGING, AERATION SODIUM UPTAKE, CHLORIDE UPTAKE, SHOOT GROWTH, VEGETATIVE GROWTH

972. WIEDENFELD, R. P.; HOSSNER, L. R.; MC WILLIAMS, E. L. EFFECTS OF EVAPORATIVE SALTWATER COOLING TOWERS ON SALT DRIFT AND SALT DEPOSITION ON SURROUNDING SOILS. J. ENVION. QUAL. 7: 293-298. 1978. FIELD PLOT, COOLING TOWER CALCIUM, SODIUM, CHLORIDE, MAGNESIUM, SALT SPRAY OSMOTIC PRESSURE, WATER VAPOR DIFFUSION

973. WIENEKE, J.; LAUCHLI, A. EFFECTS OF SALT STRESS ON DISTRIBUTION OF NA+ AND SOME OTHER CATIONS IN TWO SOYBEAN VARIETIES DIFFERING IN SALT TOLERANCE. Z. PFLANZENERNAEHR. BODENKD. 143: 55-67. 1980. SOYBEAN LEGUMINOSAE: GLYCINE MAX WATER CULTURE SODIUM, CHLORIDE SODIUM UPTAKE, MINERAL COMPOSITION

974. WIENEKE, J.; LAUCHLI, A. SHORT-TERM STUDIES ON THE UPTAKE AND TRANSPORT OF CL- BY SOYBEAN CULTIVARS DIFFERING IN SALT TOLERANCE. Z. PFLANZENERNAEHR. BODENKD. 142: 799-814. 1979. SOYBEAN LEGUMINOSAE: GLYCINE MAX WATER CULTURE, GROWTH CHAMBER SODIUM, CHLORIDE CHLORIDE UPTAKE, MINERAL COMPOSITION

975. WIGNARAJAH, K.; BAKER, N. R. SALT INDUCED RESPONSES OF CHLOROPLAST ACTIVITIES IN SPECIES OF DIFFERING SALT TOLERANCE. PHOTOSYNTHETIC ELECTRON TRANSPORT IN ASTER TRIPOLIUM AND PISUM SATIVUM. PHYSIOL. PLANT. 51: 387-393. 1981. ASTER; PEA COMPOSITAE: ASTER TRIPOLIUM; LEGUMINOSAE: PISUM SATIVUM GREENHOUSE, COMPOST, WATER CULTURE SODIUM, CHLORIDE CHLOROPLAST

976. WILLIAMS, J. H. WATER QUALITY CRITERIA FOR CROP IRRIGATION (CHLORIDE, BORON, AND SODIUM). ADAS QUARTERLY REVIEW NO. 7: 106-122.

977. WILSON, R. G., JR. GERMINATION AND SEEDLING DEVELOPMENT OF CANADA THISTLE (CIRSIUM ARVENSE). WEED SCI. 27: 146-151. 1979. THISTLE, CANADA COMPOSITAE: CIRSIUM ARVENSE GERMINATION DISHES SODIUM, CHLORIDE GERMINATION

978. WINSOR, G. W.; DAVIES, J. N.; MASSEY, D. M. SOIL SALINITY STUDIES. I. EFFECT OF CALCIUM SULPHATE ON THE CORRELATION BETWEEN PLANT GROWTH AND ELECTRICAL CONDUCTIVITY OF SOIL EXTRACTS. J. SCI. FD. AGRIC. 14: 42-48. 1963. LETTUCE COMPOSITAE: LACTUCA SATIVA GREENHOUSE, SOIL, POT CALCIUM, SULFATE VEGETATIVE GROWTH

979. WINTER, K. PHOTOSYNTHETIC AND WATER RELATIONSHIPS OF HIGH PLANTS IN A SALINE ENVIRONMENT IN: R. L. JEFFRIES, A. J. DAVY (EDS.) ECOLOGICAL PROCESSES IN COASTAL ENV. BLACKWELL SCIENTIFIC PUBS., OXFORD : 297-320. 1978. HALOPHYTE SALINE WATER, SALINE SOIL VEGETATIVE GROWTH, SALT TOLERANCE

980. WONG, C. H.; JAGER, H. J. SALT-INDUCED VESICULATION IN MESOPHYLL CELLS OF ATRIPLEX SPECIES PLANT SCI. LETT. 12:63-68. 1978. CHENOPODIACEAE: ATRIPLEX NITENS, ATRIPLEX HALIMUS GREENHOUSE SODIUM, CHLORIDE CYTOLOGY, VESICULATION

981. WOOD, L. GROWING CROPS ON SAND DUNES? SEA FRONT 23: 228-232. 1977. TOMATO; BARLEY SOLANACEAE: LYCOPERSICON ESCULENTUM; GRAMINEAE: HORDEUM VULGARE FIELD PLOT, SAND SEA WATER GENETIC INTERACTION, HYBRIDS

982. WOODELL, S. R. J.; MOONEY, H. A. THE EFFECT OF SEA WATER ON CARBON DIOXIDE EXCHANGE BY THE HALOPHYTE LIMONIUM CALIFORNICUM (BIOSS.) HELLER. ANN. BOT. 34: 117-121. 1970. PLUMBAGINACEAE: LIMONIUM CALIFORNICUM SAND, POT, GREENHOUSE SEA WATER RESPIRATION, PHOTOSYNTHESIS, CARBON DIOXIDE FIXATION

983. WRONA, A. F.; EPSTEIN, E. SCREENING FOR SALT TOLERANCE IN PLANTS: AN ECOLOGICAL APPROACH. BIOSALINE RESEARCH: A LOOK TO THE FUTURE. A. SAN PIETRO (ED.). PLENUM PUBL. CORP. 559-564. 1982. HALOPHYTE GRAMINEAE: DISTICHLIS SPICATA WATER CULTURE, GROWTH CHAMBER SEA WATER SALT TOLERANCE, SODIUM UPTAKE, MINERAL COMPOSITION

984. WU, L. THE POTENTIAL FOR EVOLUTION OF SALINITY TOLERANCE IN AGROSTIS STOLONIFERA L. AND AGROSTIS TENUIS SIBTH. NEW PHYTOL. 89: 471-486. 1981. BENTGRASS, CREEPING; BENTGRASS, COLONIAL GRAMINEAE: AGROSTIS STOLONIFERA, AGROSTIS TENUIS FIELD SODIUM, CHLORIDE, SEA WATER, CALCIUM SALT TOLERANCE, GERMINATION, ROOT GROWTH, SODIUM UPTAKE, CHLORIDE UPTAKE

985. WUTSCHER, H. K.; PEYNADO, A.; COOPER, W. C.; HILL, H. METHOD OF IRRIGATION AND SALT TOLERANCE OF CITRUS ROOTSTOCKS. I CONGRESS MUNDIAL DE CITRICULTURA, MURCIA, SPAIN. I:299-306. 1974. GRAPEFRUIT RUTACEAE: CITRUS PARADISI FIELD PLOT, SOIL, GRAVEL ROOTSTOCK, SODIUM, CALCIUM, CHLORIDE, FLOOD IRRIGATION, DRIP IRRIGATION, IRRIGATION METHOD, BORON, SUBIRRIGATION CHLORIDE UPTAKE, CHLOROPHYLL, BORON UPTAKE

986. WYN JONES, R. G.; STOREY, R. SALT STRESS AND COMPARATIVE PHYSIOLOGY IN THE GRAMINEAE. II. GLYCINE BETAINE AND POLINE ACCUMULATION IN TWO SALT- AND WATER-STRESSED BARLEY CULTIVARS. AUST. J. PLANT PHYSIOL. 5: 817-829. 1978. BARLEY GRAMINEAE: HORDEUM VULGARE POTASSIUM, SODIUM PROLINE, GLYCINE BETAINE, CHOLINE

987. YAALON, D. H.; LOMAS, J. FACTORS CONTROLLING THE SUPPLY AND THE CHEMICAL COMPOSITION OF AEROSOLS IN A NEAR-SHORE AND COASTAL ENVIRONMENT. AGRIC. METEOROL. 7: 443-454. 1970. FIELD PLOT SALT SPRAY, SEA WATER WATER CONTENT

988. YADAV, J. S. P. RECLAMATION AND CROP PRODUCTION IN ALKALI SOILS. CURRENT SCIENCE 50: 387-393. 1981. RECLAMATION

989. YADAV, J. S. P. SALINE GROUND WATER AND ITS USE FOR IRRIGATION. PROC. INDIAN NATL. SCI. ACAD. 44: 205-212. 1978. WHEAT; RADISH GRAMINEAE: TRITICUM AESTIVUM; CRUCIFERAE: RAPHANUS SATIVUS POT, SOIL, FIELD PLOT, SOIL CALCIUM, MAGNESIUM, SODIUM, CHLORIDE, BICARBONATE, SULFATE, IRRIGATION METHOD GRAIN YIELD, STRAW YIELD, YIELD

990. YADAV, J. S. P. A SOSVIZONTOZES HATASA A TALAJRA ES A NOVENYRE. EFFECT OF SALINE WATER IRRIGATION ON SOIL AND CROP GROWTH. (HUN; ENG SUM). AGROKEM. TALAJTAN. 26: 19-28. 1977. CORN; SORGHUM; WHEAT GRAMINEAE: ZEA MAYS, TRITICUM AESTIVUM, SORGHUM BICOLOR FIELD PLOT, SOIL GROWTH STAGE, SODIUM, CALCIUM, CHLORIDE, SULFATE, BICARBONATE, SOIL TYPE GRAIN YIELD, VEGETATIVE GROWTH

991. YADAV, J. S. P.; GIRDHAR, I. K. SALT TRANSLOCATION AND CROP GROWTH UNDER SPRINKLER AND SURFACE METHODS OF IRRIGATION IN SODIC SOIL. INDIAN J. AGRIC. SCI. 47: 397-400. 1977. TURNIP; BEET, SUGAR CRUCIFERAE: BRASSICA RAPA; CHENOPODIACEAE: BETA VULGARIS SOIL, FIELD SPRINKLER IRRIGATION, CARBONATE, BICARBONATE, SODIUM, IRRIGATION METHOD ROOT YIELD

992. YAMAMOTO, T.; CHO, T. STUDIES ON TRICKLE IRRIGATION METHOD IN SAND FIELD. RONBUNSHU NOGYO DOBOKU GAKKAI (TRANS. JAP. SOC. IRRIG. DRAIN REC.) 6-13. 1978. COTTON; TOMATO; MELON MALVACEAE: GOSSYPIUM; SOLANACEAE: LYCOPERSICON ESCULENTUM; CUCURBITACEAE: CUCUMIS MELO GREENHOUSE, LYSIMETER, SAND IRRIGATION METHOD, SODIUM, CHLORIDE, CALCIUM VEGETATIVE GROWTH, FRUIT YIELD, YIELD, EVAPOTRANSPIRATION, ROOT GROWTH

993. YENSEN, N. P.; FONTES, M. R.; GLENN, E. P.; FELGER, R. S. NEW SALT TOLERANT CROPS FOR THE SONORAN DESERT. DESERT PLANTS 3: 111-118. 1982. HALOPHYTE CHENOPODIACEAE: ATRIPLEX LENTIFORMIS, SALICORNIA EUROPAEA WATER CULTURE, GREENHOUSE, SAND SEA WATER SALT TOLERANCE

994. YEO, A. R. SALT TOLERANCE IN THE HALOPHYTE SUAEDA MARITIMA L. DUM.: INTRACELLULAR COMPARTMENTATION OF IONS. J. EXP.

BOT. 32: 487-497. 1981. CHENOPODIACEAE: SUAEDA MARITIMA WATER CULTURE SODIUM, CHLORIDE, POTASSIUM ION UPTAKE, ION EXCHANGE RATE

995. YEO, A. R.; FLOWERS, T. J. SALT TOLERANCE IN THE HALOPHYTE SUAEDA MARITIMA - EVALUATION OF THE EFFECT OF SALINITY UPON GROWTH. J. EXP. BOT. 31: 1171-1183. 1980. HALOPHYTE CHENOPODIACEAE: SUAEDA MARITIMA SAND, SOIL, GROWTH CHAMBER SODIUM, CHLORIDE VEGETATIVE GROWTH, LEAF FREQUENCY

996. YEO, A. R.; KRAMER, D.; LAUCHLI, A. ION DISTRIBUTION IN SALT-STRESSED MATURE ZEA MAYS ROOTS IN RELATION TO ULTRASTRUCTURE AND RETENTION OF SODIUM. J. EXP. BOT. 28: 1-29. 1977. CORN GRAMINEAE: ZEA MAYS WATER CULTURE, POT SODIUM, CHLORIDE, SULFATE ROOT GROWTH, SHOOT GROWTH, SODIUM UPTAKE, HISTOLOGY

997. ZAHRAN, M. A.; EL-BAGOURY, I. H.; WAHID, A. A. A.; EL-DEMERDASH, M. A. TRANSPLANTATION OF JUNCUS SPP. ON SALINE SOILS IN EGYPT. IN MANAGING SALINE WATER FOR IRRIGATION, PROC. INTER. SALINITY CONF., TEXAS TECH UNIV. AUGUST 1976:142-154. RUSH JUNCACEAE: JUNCUS RIGIDUS, JUNCUS ACUTUS FIELD PLOT, SOIL SALINE WATER VEGETATIVE GROWTH

998. ZANATI, M.; HYATEMY, Y.; ABDEL-DAYEM, S. WHEAT GROWTH AND CONSTITUENTS AS AFFECTED BY NITROGEN APPLICATION AND SOIL ALKALINITY. ACTA AGRON. 27: 68-72. 1978. WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, SOIL NITROGEN, SODIUM, CARBONATE STRAW YIELD, MINERAL COMPOSITION

999. ZARROUK, M.; CHERIF, A. EFFECT OF SODIUM CHLORIDE ON LIPID CONTENT OF OLIVE-TREE (OLEA EUROPAEA L.). Z. PFLANZEN. 105: 85-92. 1981. OLIVE OLEACEAE: OLEA EUROPAEA POT SODIUM, CHLORIDE LIPID, SODIUM UPTAKE

1000. ZID, E.; BOUKHRIS, M. QUELQUES ASPECTS DE LA TOLERANCE DE L' ATRIPLEX HALIMUS L. AU CHLORURE DE SODIUM, MULTIPLICATION, CROISSANCE. COMPOSITION MINERALE. SOME ASPECTS OF THE TOLERANCE OF ATRIPLEX HALIMUS L. TO SODIUM CHLORIDE. MULTIPLICATION, GROWTH AND MINERAL COMPOSITION (FRE; ENG SUM). ECOL. PLANT 12:351-362. 1977 CHENOPODIACEAE: ATRIPLEX HALIMUS GERMINATION DISHES, WATER CULTURE SODIUM, CHLORIDE GERMINATION, VEGETATIVE GROWTH, MINERAL COMPOSITION

1001. ZOHAR, Y.; WAISEL, Y.; KARSCHON, R. EFFECTS OF LIGHT, TEMPERATURE, AND OSMOTIC STRESS ON SEED GERMINATION OF EUCALYPTUS OCCIDENTALIS ENDL. AUST. J. BOT. 23: 391-397. 1975. YATE, FLAT-TOPPED MYRTACEAE: EUCALYPTUS OCCIDENTALIS GROWTH CHAMBER, POT LIGHT, TEMPERATURE GERMINATION

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