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Bibliographies
and Literature
of Agriculture
Number 67

The Protection of Leaf Vegetables, January 1979—April 1988

Citations from AGRICOLA Concerning Diseases and Other Environmental Considerations



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**Compiled and Edited by Charles N. Bebee
National Agricultural Library**

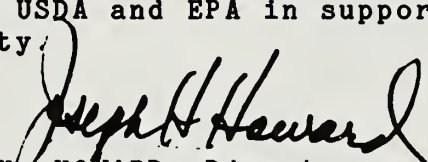
FOREWORD

This is the 21st volume in a series of commodity-oriented environmental bibliographies resulting from a memorandum of understanding between the U.S. Department of Agriculture, National Agricultural Library (USDA-NAL), and the U.S. Environmental Protection Agency, Office of Pesticide Programs (EPA-OPP).

This close working relationship between the two agencies will produce a series of bibliographies which will be useful to EPA in the regulation of pesticides, as well as to any researcher in the field of plant or commodity protection. The broad scope of information contained in this series will benefit USDA, EPA, and the agricultural community as a whole.

The sources referenced in these bibliographies include the majority of the latest available information from U.S. publications involving commodity protection throughout the growing and processing stages for each agricultural commodity.

We welcome the opportunity to join this cooperative effort between USDA and EPA in support of the national agricultural community.



JOSEPH H. HOWARD, Director
National Agricultural Library



DOUGLAS D. CAMPT, Director
Office of Pesticide Programs

The citations in this bibliography are selected from works by U.S. authors on the protection of leaf vegetables. All citations are derived from AGRICOLA (AGRICultural OnLine Access), the database compiled by the National Agricultural Library.

This is the 21st bibliography included in a series jointly sponsored by the National Agricultural Library, U.S. Department of Agriculture (USDA-NAL), and the Science Support Branch, Benefits and Use Division, Office of Pesticide Programs, U.S. Environmental Protection Agency (EPA-OPP). Recent volumes in this series include The Protection of Sugarcane and Sugar Beets. Bibliographies planned for the current year include Plant Growth Regulators, The Protection of Hays, The Protection of Citrus, The Protection of Turf Grasses, The Protection of Root Vegetables, and The Protection of Rice.

Any comments or questions may be forwarded to the compiler:

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(PLANT PRODUCTION - HORTICULTURAL CROPS)

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(PLANT PRODUCTION - HORTICULTURAL CROPS)

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Ferguson, W.L. McCalla, I.E. Washington, D.C., The Service. Extract: According to the U.S. Department of Agriculture's 1979 Vegetable Pesticide Survey, approximately 1.3 million pounds of pesticides were used to control weeds, insects, diseases and nematodes on 10 vegetable crops in New York and New Jersey. The 10 vegetable crops include cabbage, carrots, celery, cucumbers, green peas, lettuce, onions, snap beans, sweet corn, and tomatoes. Approximately 825,000 acre-treatments were made ranging from 262,000 for sweet corn to 700 for carrots. ERS staff report - U.S. Dept. of Agriculture, Economic Research Service. Dec 1981. Available from NTIS. Dec 1981. (AGES811218). 37 ref. 7 ref. (NAL Call No.: 916762(AGE)).

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Cultivar and growing season effects on cabbage head development and weight loss during storage (Head shape, core length, water loss, Louisiana).

Sundstrom, F.J. Story, R.N. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1984. v. 19 (4). p. 589-590. Includes 9 references. (NAL Call No.: SB1.H6).

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Craker, L.E. Seibert, M. St. Joseph, Mich., The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Jan/Feb 1982. v. 25 (1). p. 214-216. Includes 11 ref. (NAL Call No.: 290.9 AM32T).

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Some plant responses and the mechanism of selectivity of cabbage plants to nitrofen / by Jose Francisco Pereira. -

Pereira, Jose Francisco, 1935-. 1971. Thesis (Ph.D.)--University of Illinois, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. 1x, 94 leaves ; 21 cm. Bibliography: leaves 85-93. (NAL Call No.: DISS 71-21,206).

PLANT BREEDING

0102

'Alamo', 'Anza', 'Calrey', 'Calrico', 'Languna', 'Ramona', 'Rita', 'Vega', and 'Vista' crisphead lettuce (Cultivars, *Lactuca sativa*, *Lactuca serriola*, downy mildew resistance, russet spotting, tipburn).
Welch, J.E.HJHSA. Kihra, G.M.; Kimble, K.A. Alexandria : American Society for Horticultural Science. HortScience. Aug 1983. v. 18 (4,sect.1). p. 489-492. Includes references. (NAL Call No.: SB1.H6).

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PNASA. Guy, C.L. Niemi, K.J.; Brambl, R. Washington, D.C. : The Academy. Proceedings of the National Academy of Sciences of the United States of America. June 1985. v. 82 (11). p. 3673-3677. ill. Includes 24 references. (NAL Call No.: DNAL 500 N21P).

0104

The biology of cauliflower mosaic virus and its possible use as a recombinant DNA vector (Infection, genetic material).
Daubert, S.D. Shephard, R.J. Columbia, Mo. : The University, 1983. Current topics in plant biochemistry and physiology, 1983 : proceedings, inaugural Plant Biochemistry and Physiology Symposium held, Univ. Missouri-Columbia, 7-9 April 1982 / editorial committee: D.D. Randall ... (et al.). v. 1 p. 156-162. ill. Includes 12 references. (NAL Call No.: QK861.P55 1982).

0105

Breeding for resistance in cabbage and cauliflower to cabbage looper, imported cabbageworm, and diamond back moth (*Pieris rapae*, *Plutella xylostella*).
Dickson, M.H. Eckenrode, C.J. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. Nov 1980. v. 105 (6). p. 762-785. ill. 17 ref. (NAL Call No.: 81 S012).

0106

Breeding spinach and southernpea in Arkansas.
Morelock, T.E. Fayetteville, Ark. : Arkansas State Horticultural Society. Proceedings of the ... annual meeting - Arkansas State Horticultural Society. 1986. (107th). p. 18-19. (NAL Call No.: DNAL SB21.A7A7).

0107

Broccoli and cauliflower production in Florida.
Olson, S.M. Sherman, M. Gainesville, Fla. : The Service. Circular - Florida Cooperative Extension Service. 1985. (555). 6 p. ill. (NAL Call No.: DNAL 275.29 F66C).

0108

Broccoli resistance to downy mildew.
CAGRA. Laemmien, F.F. Mayberry, K.S. Berkeley : The Station. California agriculture - California Agricultural Experiment Station. Nov/Dec 1984. v. 38 (11/12). p. 17. ill. (NAL Call No.: DNAL 100 C12CAG).

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Cabbage variety situation for 1984.
NYAEA. Becker, R.F. Geneva, N.Y. : The Station. Special report - New York State Agricultural Experiment Station, Geneva. Apr 1985. (56). p. 9-10. (NAL Call No.: DNAL S95.E24).

0110

Cauliflower mosaic virus: a potential vector for plant genetic engineering.
Hohn, B. Hohn, T. New York : Academic Press. c1982. Molecular biology of plant tumors / edited by Gunter Kahl and Josef S. Schell. p. 549-560. ill. 2 p. ref. (NAL Call No.: SB741.5.M64).

0111

Cauliflower mosaic virus DNA as a possible gene vector for higher plants.
Hull, R. New York : Praeger, 1981. Genetic engineering in the plant sciences / edited by Nicholas J. Panopoulos. p. 99-109. ill. 34 ref. (NAL Call No.: QK981.5.G46).

0112

Celery variety development (Resistant to early blight, late blight, bolting).
Honma, S. Willoughby, Ohio : Meister Publishing Company. American vegetable grower and greenhouse grower. Sept 1982. v. 30 (9). p. 43. (NAL Call No.: 80 C733).

0113

Chicory: A valuable source of resistance to turnip mosaic for endive and escarole (cultivars).
Provvidenti, R. Robinson, R.W. Mount Vernon, Va., The Society. Journal. American Society for Horticultural Science. Nov 1979. v. 104 (6). p. 726-728. ill. 7 ref. (NAL Call No.: 81 S012).

0114

Clubroot-resistant broccoli breeding lines OSU CR-2 to OSU CR-8.
HJHSA. Baggett, J.R. Kean, D. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1985. v. 20 (4). p. 784-785. ill. Includes 6 references. (NAL Call No.: DNAL SB1.H6).

0115

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Baggett, J.R.HJHSA. Alexandria : American Society for Horticultural Science. HortScience. Feb 1983. v. 18 (1). p. 112-114. ill. Includes references. (NAL Call No.: SB1.H6).

0116

Detection of the agent which causes the lettuce big vein disease.
Dodds, J.A. Sacramento, Calif. : Iceberg Lettuce Research Advisory Board. Iceberg Lettuce Research Program annual report. Annual report: April 1, 1983-March 31, 1984. 1984. p. 31-35. ill. Includes references. (NAL Call No.: DNAL SB351.L6I25).

0117

Development of procedures for optimal control of fungal, bacterial, and physiological diseases of lettuce.
Grogan, R.G. Patterson, C.L. Sacramento, Calif. : Iceberg Lettuce Research Advisory Board. Iceberg Lettuce Research Program annual report. Apr 1, 1985/Mar 31, 1986. p. 17-26. ill. (NAL Call No.: DNAL SB351.L6I25).

0118

Differential detection of seedborne lettuce mosaic virus (LMV) in LMV-susceptible and resistant lettuce breeding lines.
Falk, B.W. Guzman, V.L. s.l. : The Society. Proceedings of the ... annual meeting of the Florida State Horticulture Society. June 1985. v. 97. p. 179-181. Includes references. (NAL Call No.: DNAL SB319.2.F6F56).

0119

DNA plant viruses (Cauliflower mosaic virus, use as gene vector in plant cells).
Shepherd, R.J. Daubert, S.D.; Gardner, R.C. Berkeley, Calif., The Station. California agriculture - California Agricultural Experiment Station. Aug 1982. v. 36 (8). p. 16. (NAL Call No.: 100 C12CAG).

0120

Evaluation of bacterial soft rot-tolerant crisphead lettuce cultivars in Hawaii (Erwinia carotovora, Lactuca sativa, Sclerotinia sclerotiorum, Rhizoctonia solani).
Cho, J.J. HI. Honolulu, The Station. Technical bulletin - Hawaii Agricultural Experiment Station. July 1979. (102). 9 p. 8 ref. (NAL Call No.: 100 H313T).

0121

Evaluation of Chinese cabbage cultivars from Japan and the People's Republic of China for resistance to turnip mosaic virus and cauliflower mosaic virus.
Provvidenti, R. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. July 1980. v. 105 (4). p. 571-573. 12 ref. (NAL Call No.: 81 S012).

0122

Evaluation of insect resistant cabbage germplasm, 1984.
Edelson, J.V. College Station, Tex. : The Station. PR - Texas Agricultural Experiment Station. July 1985. (4301). 4 p. Includes 6 references. (NAL Call No.: DNAL 100 T31P).

0123

Evaluation of lettuce varieties and breeding lines for resistance to common lettuce mosaic / by Edward J. Ryder .
Ryder, Edward J., 1929-. Washington : U.S. Dept. of Agriculture, 1968. 8 p. : ill. ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 1 Ag84Te no.1391).

0124

Evaluation of spinach varieties and breeding lines for horticultural characteristics and resistance to white rust disease (Albugo occidentalis).
Dainello, F.J. Heineman, R.R.; Black, M.C. College Station, Tex. : The Station. PR - Texas Agricultural Experiment Station. Oct 1984. (4252). 7 p. ill. Includes 3 references. (NAL Call No.: DNAL 100 T31P).

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DNAL QH540.J6).

0207

Elements in major raw agricultural crops in the United States. 1. Cadmium and lead in lettuce, peanuts, potatoes, soybeans, sweet corn, and wheat.

Wolnik, K.A. JAFCA. Fricke, F.L.; Capar, S.G.; Braude, G.L.; Meyer, M.W. Washington : American Chemical Society. Journal of agricultural and food chemistry. Nov/Dec 1983. v. 31 (6). p. 1240-1244. maps. Includes references. (NAL Call No.: 381 J8223).

0208

Evaluation by steady-state enzyme kinetics of the role of tightly bound nucleotides during photophosphorylation (Chloroplast membranes, Romaine lettuce).

Tiefert, M.A. JBBID. Shavit, N. New York : Plenum Press. Journal of bioenergetics and biomembranes. Oct 1983. v. 15 (5). p. 257-276. Includes references. (NAL Call No.: QH511.A1J68).

0209

Evidence for photodynamic action by a naturally occurring *Hydrilla*-growth inhibitor (*Hydrilla verticillata*, lettuce seeds).

Barltrop, J. JESED. Martin, D.F. New York : Marcel Dekker. Journal of environmental science and health. Part A. Environmental science and engineering. 1983. v. 18 (1). p. 29-36. ill. Includes references. (NAL Call No.: TD172.J6).

0210

Fluorometric detection of photosystem II herbicide penetration and detoxification in whole leaves (Sugarbeets, soybean, cotton, spinach).

Voss, M. Rneger, G.; Kotter, C.; Graber, P. Champaign, Ill. : Weed Science Society of America. Weed science. Sept 1984. v. 32 (5). p. 575-680. ill. Includes 23 references. (NAL Call No.: 79.8 W41).

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Frost desiccation: an osmotic model (Wheat, cabbage, economic plants, hardiness, freeze injuries).

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(PLANT PHYSIOLOGY AND BIOCHEMISTRY)

0212

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0213

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0214

Highly potent germination inhibitors in aqueous eluate of fruits of Bishop's weed (Ammi majus L.) and avoidance of autoinhibition (Anastatica hierochuntica, lettuce, tomato).

Friedman, J. Rushkin, E.; Waller, G.R. New York, Plenum Press. Journal of chemical ecology. Jan 1982. v. 8 (1). p. 55-65. ill. Includes 14 ref. (NAL Call No.: QD415.A1J6).

0215

Identification of differential responses of cabbage cultivars to copper toxicity in solution culture.

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0216

Influence of after-ripening on phytochrome control of seed germination in two varieties of lettuce (Lactuca sativa L.).

Suzuki, Y. Soejima, Y.; Matsui, T. Rockville, Md., American Society of Plant Physiologists. Plant physiology. Dec 1980. v. 66 (6). p. 1200-1201. 14 ref. (NAL Call No.: 450 P692).

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Influence of cultivar, season, irrigation, and date of planting on thiocyanate ion content in cabbages (Analysis, natural toxicants).

Bible, B.B. Ju, H.Y.; Chong, C. Mount Vernon, Va., The Society. Journal of the American Society for Horticultural Science. American

Society for Horticultural Science. Jan 1980. v. 105 (1). p. 88-91. ill. 30 ref. (NAL Call No.: 81 S012).

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Influence of dimethyl sulfoxide on freezing resistance of lettuce seeds.

CRYBAS. Kaurin, A. Stushnoff, C. Orlando, Fla. : Academic Press. Cryobiology. Dec 1985. v. 22 (6). p. 569-573. Includes references. (NAL Call No.: DNAL QH324.C7).

0219

An influence of water stress at different growth stages on yield and quality of lettuce seed.

Izzeldin, H. Lippert, L.F.; Takatori, F.H. Mount Vernon, Va., The Society. Journal of the American Society for Horticultural Science. American Society for Horticultural Science. Jan 1980. v. 105 (1). p. 68-71. ill. 14 ref. (NAL Call No.: 81 S012).

0220

Inhibition of growth of celery cells by paclobutrazol and its reversal by added sterols.

Haughan, P.A. Lenton, J.R.; Goad, L.J. New York : Plenum Press, c1987. The metabolism structure, and function of plant lipids / edited by Paul K. Stumpf, J. Brian Mudd, and W. David Nes. Paper presented at the "Seventh International Symposium on Plant Lipids," held July 27-August 1, 1986, University of California, Davis, California. p. 91-93. Includes references. (NAL Call No.: DNAL QK898.L56I55 1986).

0221

Injury and repair during rehydration of droughted cabbage leaves.

Levitt, J. Washington, D.C. : The Institute. Year book - Carnegie Institution of Washington. 1982/1983. v. 82. p. 87. Includes references. (NAL Call No.: 500 C21).

0222

Interaction of a phenolic inhibitor with photosystem II particles (Spinach, Chlamydomonas reinhardtii, photosynthesis, herbicide).

Johanningmeier, U. JBBID. Neumann, E.; Oettmeier, W. New York : Plenum Press. Journal of bioenergetics and biomembranes. 1983. v. 15 (2). p. 43-66. ill. Includes references. (NAL Call No.: QH511.A1J68).

0223

Isolation of a plant glycoprotein involved with control of intercellular recognition (Cabbage). Ferrari, T.E. Bruns, D.; Wallace, D.H. Rockville, Md., American Society of Plant Physiologists. *Plant physiology*. Feb 1981. v. 67 (2). p. 270-277. ill. 25 ref. (NAL Call No.: 450 P692).

0224

Malate oxidation, rotenone-resistance, and alternative path activity in plant mitochondria (Cauliflower (*Brassica oleracea*), sweetpotato (*Ipomoea batatis*), spinach (*Spinacia oleracea*), *Kalanchoe daigremontiana* leaf mitochondria). Wiskich, J.T. Day, D.A. Rockville, American Society of Plant Physiologists. *Plant physiology*. Oct 1982. v. 70 (4). p. 959-964. 31 ref. (NAL Call No.: 450 P692).

0225

Metabolites of diuron, linuron, and methazole formed by liver microsomal enzymes and spinach plants. Suzuki, T. Casida, J.E. Washington, D.C., American Chemical Society. *Journal of agricultural and food chemistry*. Sept/Oct 1981. v. 29 (5). p. 1027-1033. 19 ref. (NAL Call No.: 381 J8223).

0226

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0227

Partial purification of gibberellin oxidases from spinach leaves. PLPHA. Gilmour, S.J. Bleecker, A.B.; Zeevaart, J.A.D. Rockville, Md. : American Society of Plant Physiologists. *Plant physiology*. Sept 1987. v. 85 (1). p. 87-90. Includes references. (NAL Call No.: DNAL 450 P692).

0228

Photoperiodic control of gibberellin metabolism in spinach (*Spinacia oleracea*). Metzger, J.D. Zeevaart, J.A.D. Rockville, Md., American Society of Plant Physiologists. *Plant physiology*. Feb 1982. v. 69 (2). p. 287-291. Includes 20 ref. (NAL Call No.: 450 P692).

0229

Preparation of multilayers containing chlorophyll a and/or phosphatidylcholine and chemical stability of chlorophyll a molecules in the multilayers (from spinach or from *Porphyra yezoensis*). Iriyama, K. San Francisco, California Farmer Publishing Company. *Animal nutrition and health*. 1980. v. 52 (2). p. 115-120. ill. 19 ref. (NAL Call No.: 389.78 W52).

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A rapid reverse phase evaporation method for the reconstitution of uncharge thylakoid membrane lipids that resist hydration (Spinach). Sprague, S.G. Staehelin, L.A. Rockville, Md. : American Society of Plant Physiologists. *Plant physiology*. June 1984. v. 75 (2). p. 502-504. ill. Includes 17 references. (NAL Call No.: 450 P692).

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0232

Requirement for ethylene synthesis and action during relief of thermoinhibition of lettuce seed germination by combinations of gibberellic acid, kinetin, and carbon dioxide. PLPHA. Saini, H.S. Consolacion, E.D.; Bassi, P.K.; Spencer, M.S. Rockville, Md. : American Society of Plant Physiologists. *Plant physiology*. Aug 1986. v. 81 (4). p. 950-953. Includes 24 references. (NAL Call No.: DNAL 450 P692).

0233

The role of cytokinin and factors affecting xylem differentiation in Romaine lettuce pith cultured in vitro / by George Eugene Cawthon. -
Cawthon, George Eugene. 1972. Thesis--University of Idaho, 1972. Photocopy of typescript. Ann Arbor: University Microfilms, 1973. xi, 147 leaves. Bibliography: leaves 129-147. (NAL Call No.: DISS 72-30,485).

(PLANT PHYSIOLOGY AND BIOCHEMISTRY)

0234

Stromal acidification mediates in vivo water stress inhibition of nonstomatal-controlled photosynthesis (Spinacia oleracea, spinach, Chlamydomonas reinhardtii, Aphanocapsa 6308, Algae, osmotic potential).

Berkowitz, G.A. PLPHA. Chen, C.G.; Gibbs, M. Rockville : American Society of Plant Physiologists. Plant physiology. Aug 1983. v. 72 (4). p. 1123-1126. Includes references. (NAL Call No.: 450 P692).

0235

Variation in elemental content of 'Grand Rapids' lettuce grown under four levels of far-red and infrared radiation in controlled environments (Spectral quality).

Krizek, D.T. Berry, W.L. New York, Marcel Dekker. Journal of plant nutrition. 1981. v. 3 (5). p. 827-841. 26 ref. (NAL Call No.: QK867.J67).

PLANT TAXONOMY AND GEOGRAPHY

0236

Evaluation of lettuce varieties and breeding lines for resistance to common lettuce mosaic / by Edward J. Ryder .

Ryder, Edward J., 1929-. Washington : U.S. Dept. of Agriculture, 1968. 8 p. : ill. ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 1 Ag84Te no.1391).

PROTECTION OF PLANTS

0237

Asparagus starts up slow but goes on and on; rhubarb also takes its own sweet time. Asparagus (Includes diseases and pests).
Garrison, S.A. Ellison, J.H. Washington. The yearbook of agriculture United States Dept. of Agriculture. 1977. 1977. p. 196-201. ill. (NAL Call No.: 1 AG84Y).

0238

Beneficial bugs /Natural Food Institute.
Dudley, Mass. : The Institute, 1986? . Cover title.~ "Where to buy natural predators that destroy aphids, cabbage worms, grasshoppers, bean beetles, gypsy moths, Japanese beetles, flies, mites, corn borers, and other pests." 10. 1 p. ; 22 cm. (NAL Call No.: DNAL SF518.B4).

0239

Broccoli and cauliflower production.
Williams, D. Patterson, M.; Brown, S.; Gazaway, W.; Mitchell, C.C. Jr.; Turner, J.; Evans, C. Auburn, Ala. : The Service. Circular ANR - Cooperative Extension Service, Auburn University. July 1987. (290). 4 p. ill. (NAL Call No.: DNAL S544.3.A2C47).

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Broccoli and cauliflower production in Florida.
Olson, S.M. Sherman, M. Gainesville, Fla. : The Service. Circular - Florida Cooperative Extension Service. 1985. (555). 6 p. ill. (NAL Call No.: DNAL 275.29 F66C).

0241

Buttoning of cauliflower and broccoli (physiological disorder)--causes and prevention.
Morse, R.D. Norfolk, Virginia Polytechnic Institute Extension Service. The Vegetable growers news. Jan 1979. v. 33 (7). p. 3. (NAL Call No.: 275.28 V52).

0242

Cabbage, brussels sprouts, cauliflower and Kohlrabi: Seed production in the Pacific Northwest.
Jarmin, M.L. Corvallis, Or. : The Service. PNW - Pacific Northwest Extension Publication, Washington, Oregon, and Idaho State Universities, Cooperative Extension Service. June 1985. (268). 4 p. (NAL Call No.: DNAL 275.29 W27PN).

0243

Cabbage growth stages (Susceptibility to pests and diseases).
Andaloro, J.T. Rose, K.B.; Shelton, A.M.; Hoy, C.W.; Becker, F.R. Geneva, N.Y. : New York (State), Agricultural Experiment Station, Geneva. New York's food and life sciences bulletin. 1983. 1983. (101). 4 p. ill. Includes references. (NAL Call No.: S95.E22).

0244

Chemical control of nematodes (Meloïdogyne incognita, Trichodorus christiei, Criconemoides ornatus, Helicotylenchus dihystra) and soil-borne plant-pathogenic fungi (Pythium spp. and Fusarium spp.) on cabbage transplants.
Johnson, A.W. McCarter, S.M. Ames, Iowa, Society of Nematologists. Journal of nematology. Apr 1979. v. 11 (2). p. 138-144. ill. 21 ref. (NAL Call No.: QL391.N4J62).

0245

Cole crops--pest control.
Binning, L.K. Libby, J.L. Madison, Wis., The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. Wisconsin. University. Cooperative Extension Programs. Jan 1979. Jan 1979. (A2357). 3 p. (NAL Call No.: S544.3.W6W53).

0246

Comparison of the toxicity of heavy metals to cabbage growth (Pollution, adverse effects, uptake).
Hara, T. Sonoda, Y. The Hague. Plant and soil. Feb 1979. v. 51 (1). p. 127-133. ill. 5 ref. (NAL Call No.: 450 P696).

0247

The effect of asulam (Herbicide) on the growth of tissue cultures of celery (Inhibitory action).
Watts, M.J. Collin, H.A. Oxford. Weed research. Feb 1979. v. 19 (1). p. 33-37. ill., plate. 19 ref. (NAL Call No.: 79.8 W412).

0248

Effect of temperature on tipburn development in head lettuce.
Misaghi, I.J. Grogan, R.G. St. Paul, American Phytopathological Society. Phytopathology. Dec 1978. v. 68 (12). p. 1738-1743. ill. 22 ref. (NAL Call No.: 464.8 P56).

0249

Effects of big vein resistance and temperature on disease incidence and percentage of plants harvested of crisphead lettuce.

Ryder, E.J. Mount Vernon, Va., The Society. Journal. American Society for Horticultural Science. Sept 1979. v. 104 (5). p. 665-668. ill. 6 ref. (NAL Call No.: 81 S012).

0250

Effects of fumigating crops with hydrogen sulfide or sulfur dioxide (Injuries, lettuce, sugarbeets, cotton, alfalfa).

Thompson, C.R. Kats, G. Berkeley, Division of Agricultural Sciences, University of California. California agriculture. Mar 1979. v. 33 (3). p. 9-10. ill. (NAL Call No.: 100 C12CAG).

0251

Electrostatic deposition of pesticide spray onto foliar targets of varying morphology (Broccoli, maize, cotton, cabbage).

Law, S.E. Lane, M.D. St. Joseph, Mich., The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Nov/Dec 1981. v. 24 (6). p. 1441-1445, 1448. ill. 10 ref. (NAL Call No.: 290.9 AM32T).

0252

The first four years of integrated pest management in Everglades celery. I.

Genung, W.G. Guzman, V.L. Lake Alfred. Proceedings of the ... annual meeting Florida State Horticultural Society. 1978 (pub. 1979). v. 91. p. 275-284. ill. 24 ref. (NAL Call No.: 81 F66).

0253

Fumigant development for killing insects on lettuce and other produce /Ruth Lynn Hooper ... et al. . --.

Hooper, Ruth Lynn. Natick, Mass. : US Army Natick Research and Development Center, 1984. Final technical report 1 Oct. 80 - 30 Sept. 83. ~ Contract No. D83-13. ~ Report No. NATICK/TR-84/046; AD A146661. v. 8 leaves ; 28 cm. Bibliography: leaf 6. (NAL Call No.: DNAL SB981.F8).

0254

Growing rhubarb.

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0255

Inhibition of photosystem II and Chlorella (sorokiniana, Algae and spinach) growth by 1-(m-t-butylacetamidophenyl)-3-methyl-3-methoxy urea (Phenylurea herbicides, toxicity tests).

Swader, J.A. Howe, C.M. Champaign, Ill., Weed Science Society of America. Weed science. Mar 1979. v. 27 (2). p. 232-234. ill. 16 ref. (NAL Call No.: 79.8 W41).

0256

Injury and yield responses of spinach cultivars to chronic doses of ozone in open-top field chambers.

Heagle, A.S. Philbeck, R.B. Madison, American Society of Agronomy. Journal of environmental quality. July/Sept 1979. v. 8 (3). p. 368-373. ill. 21 ref. (NAL Call No.: QH540.J6).

0257

Lettuce (Commercial vegetable production).

Schoenemann, J.A. Binning, L.K. Madison, Wis., The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. Wisconsin. University. Cooperative Extension Programs. Jan 1979. Jan 1979. (A2340). 4 p. ill. (NAL Call No.: S544.3.W6W53).

0258

Lettuce (Cultivation, diseases, insect pests and weeds).

Zandstra, B.H. Warncke, D.D.; Lacy, M.L. East Lansing, Mich. : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. Oct 1983. Oct 1983. (1746). 4 p. (NAL Call No.: 275.29 M58B).

0259

Limp lettuce (due to damaged cell membranes).

Klein, R.M. Bronx, N.Y., The Garden Society, New York Botanical Garden. Garden (New York. 1977). Jan/Feb 1979. v. 3 (1). p. 9. ill. (NAL Call No.: SB403.G3).

0260

A method of avoiding lettuce rot.

KAIBA. Garman, H. Lexington : The Station. Bulletin - Kentucky, Agricultural Experiment Station. Documents available from: Agriculture Library, Agricultural Science Center - North, University of Kentucky, Lexington, Ky. 40546-0091. Mar 1899. (81,pt.1). p. 1-4. plates. (NAL Call No.: DNAL 100 K41 (2)).

(PROTECTION OF PLANTS)

0261

Molybdenum availability as predicted from selected soil chemical properties (Deficiency symptoms, cauliflower).
Karimian, N. Cox, F.R. Madison. Agronomy journal American Society of Agronomy. Jan/Feb 1979. v. 71 (1). p. 63-65. ill. 23 ref. (NAL Call No.: 4 AM34P).

0262

Multielement analysis of municipal sewage sludge ashes. Absorption of elements by cabbage grown in sludge ash-soil mixture (Contamination).
Furr, A.K. Parkinson, T.F. Washington, D.C., American Chemical Society. Environmental science & technology. Dec 1979. v. 13 (12). p. 1503-1506. ill. 19 ref. (NAL Call No.: TD420.A1E5).

0263

The nature of big vein resistance in lettuce as expressed in greenhouse and field trials.
Ryder, E.J. AR-W. Alexandria, Va., American Society for Horticultural Science. HortScience. June 1980. v. 15 (3,sect.2). p. 418. (NAL Call No.: SB1.H6).

0264

Pepper, tomato and cabbage transplant production and soil pest control in relation to fall broadspectrum soil fumigation and nematicide application.
Jaworski, C.A. AR-SO. Phatak, S.C.; McCarter, S.M.; Johnson, A.W. Alexandria, Va., American Society for Horticultural Science. HortScience. June 1980. v. 15 (3,sect.2). p. 383. (NAL Call No.: SB1.H6).

0265

Persistence of (the herbicide) dichlobenil in a sandy soil and effects of residues on plant growth (Phytotoxic to carrots and to lettuce).
Williams, J.H. Eagle, D.J. Oxford, Blackwell Scientific Publications. Weed research. Oct 1979. v. 19 (5). p. 315-319. ill. 4 ref. (NAL Call No.: 79.8 W412).

0266

Pest control in commercial cole crop production.
Binning, L.K. Wyman, J.A.; Stevenson, W.R. Madison, Wis., The Programs. Publication - Cooperative Extension Programs, University of Wisconsin Extension. Feb 1982. Feb 1982. (A2356). 4 p. (NAL Call No.: S544.3.W6W53).

0267

Pest control in commercial cole crop production (Cauliflower, broccoli, and brussels sprouts).
Binning, L.K. Wyman, J.A.; Stevenson, W.R. Madison, Wis., The Programs. Publication - Cooperative Extension Programs, University of Wisconsin Extension. Apr 1981. Apr 1981. (A2357). 4 p. (NAL Call No.: S544.3.W6W53).

0268

A possible role for chlorogenic acid in calcium-related disorders of vegetable crops with particular reference to lettuce tipburn.
Collier, G.F. Huntington, V.C. New York, Dekker. Communications in soil science and plant analysis. 1979. v. 10 (1/2). p. 481-490. ill. 18 ref. (NAL Call No.: S590.C63).

0269

Requirement for root-pressure flow to provide adequate calcium to low-transpiring tissue (Cabbage, carrots, deficiencies).
Tibbitts, T.W. Palzkill, D.A. New York, Dekker. Communications in soil science and plant analysis. 1979. v. 10 (1/2). p. 251-257. ill. 5 ref. (NAL Call No.: S590.C63).

0270

Soil impedance as a factor reducing crop (carrot, onion and sugarbeet, broccoli) seedling emergence, and its relation to soil conditions at sowing, and to applied water.
Hegarty, T.W. Royle, S.M. Oxford. Journal of applied ecology. Dec 1978. v. 15 (3). p. 897-904. ill. 9 ref. (NAL Call No.: 410 J828).

0271

Spinach: Seed production in the Pacific Northwest.
Jarmin, M.L. Corvallis, Or. : The Service. PNW - Pacific Northwest Extension Publication, Washington, Oregon, and Idaho State Universities, Cooperative Extension Service. June 1985. (267). 4 p. (NAL Call No.: DNAL 275.29 W27PN).

0272

Table beet and Swiss chard: Seed production in the Pacific Northwest.
Jarmin, M.L. Corvallis, Or. : The Service. PNW - Pacific Northwest Extension Publication, Washington, Oregon, and Idaho State Universities, Cooperative Extension Service. June 1985. (271). 4 p. (NAL Call No.: DNAL 275.29 W27PN).

0273

Tests prove what gardeners guessed: Nothing repels rabbits bent on cabbage (Fencing gardens as only protection from damages).

Rachesky, S. Kansas City, Mo., Mid-America Publishing. Flower and garden. Southern edition. Sept 1979. v. 23 (9). p. 47. ill. (NAL Call No.: SB403.F52).

PESTS OF PLANTS - GENERAL AND MISC.

0274

Cole crops--pest control.

Binning, L.K. WI. Wyman, J.A.; Stevenson, W.R. Madison, Wis., The Programs. Publication - Cooperative Extension Programs, University of Wisconsin Extension. Wisconsin. University. Cooperative Extension Programs. Jan 1980. Jan 1980. (A2357). 3 p. ill. (NAL Call No.: S544.3.W6W53).

0275

The investigation of cause and potential commercial control measures of lettuce drop / by Dale Harry Young. -.

Young, Dale Harry, 1939-. 1977. Professional paper (M. P. S. (Agr.)--Cornell University, 1977. Extension Repository Collection ~Typescript (photocopy)~Includes biographical sketch. 31 leaves : col. ill. ; 28 cm. Bibliography: leaves 28-31. (NAL Call No.: SB351.L6Y6).

0276

The potential of compound U-12171 as an avian repellent (Broccoli plants).

Schwab, R.G. Davis, Calif., University of California. Proceedings ... Vertebrate Pest Conference. Vertebrate Pest Conference. 1978. 1978. (8th). p. 255-259. ill. (NAL Call No.: SB950.A1V4).

0277

Protecting lettuce seedlings from birds.

Howard, W.E. Marsh, R.E. Sacramento : Iceberg Lettuce Research Advisory Board. Iceberg Lettuce Research Program annual report. Apr 1, 1981/Mar 31, 1982. Literature review. Apr 1, 1981/Mar 31, 1982. p. 125-152. 4 p. ref. (NAL Call No.: SB351.L6I25).

PESTS OF PLANTS - INSECTS

0278

Acetaldehyde fumigation at reduced pressures to control the green peach aphid (*Myzus persicae*) on wrapped and packed head lettuce (Chemical, varieties).

Stewart, J.K. AR-W. Aharoni, Y.; Hartsell, P.L.; Young, D.K. College Park, Md., Entomological Society of America. Journal of economic entomology. Feb 15, 1980. v. 73 (1). p. 149-152. ill. 11 ref. (NAL Call No.: 421 J822).

0279

Acetaldehyde toxicity to the green peach aphid (*Myzus persicae*) on harvested head lettuce in high carbon dioxide or low oxygen atmospheres.

Hartsell, P.L. Aharoni, Y. College Park, Md., Entomological Society of America. Journal of economic entomology. Dec 1979. v. 72 (6). p. 904-905. ill. 11 ref. (NAL Call No.: 421 J822).

0280

Action threshold for the cabbage caterpillar complex in Georgia (*Trichoplusia ni*, *Plutella xylostella*, *Pieris rapae*, insecticidal control).

Chalfant, R.B. Athens, Ga., The Society. Journal. Georgia Entomological Society. Oct 1979. v. 14 (4). p. 359-363. ill. 6 ref. (NAL Call No.: QL461.G4).

0281

Activity and abundance of the earwig, *Labidura riparia*, in a winter cabbage production ecosystem (Florida).

Strandberg, J.O. College Park, Md., Entomological Society of America. Environmental entomology. Oct 15, 1981. v. 10 (5). p. 701-704. ill. 11 ref. (NAL Call No.: QL461.E532).

0282

The adaptiveness of searching and host selection behaviour in *Pieris rapae* (L.) (cabbage butterfly).

Jones, R.E. Ives, P.M. Oxford, Blackwell Scientific Publications. Australian journal of ecology. Mar 1979. v. 4 (1). p. 75-86. ill. 21 ref. (NAL Call No.: QH540.A8).

0283

Adjuvants tank-mixed with *Bacillus thuringiensis* for control of cabbage looper larvae (*Trichoplusia ni*) on cabbage.

Schuster, D.J. Athens. Journal Georgia Entomological Society. Apr 1979. v. 14 (2). p. 182-186. ill. 11 ref. (NAL Call No.: QL461.G4).

0284

Adulticidal and larvicidal toxicity of aldicarb when applied as a soil insecticide (*Hylemya brassicae*, cabbage maggot fly).

Read, D.C. College Park, Md., Entomological Society of America. Journal of economic entomology. Feb 1981. v. 74 (1). p. 40-44. 3 ref. (NAL Call No.: 421 J822).

0285

Analysis of the dynamics of insect (*Liriomyza sativae*) populations in celery production.

Musgrave, C.A. Poe, S.L. Lake Alfred. Proceedings of the ... annual meeting Florida State Horticultural Society. 1978 (pub. 1979). v. 91. p. 271-175. ill. 3 ref. (NAL Call No.: 81 F66).

0286

Aphid dynamics on overwintering spinach.

McLeon, P. Fayetteville, Ark. : Arkansas State Horticultural Society. Proceedings of the ... annual meeting - Arkansas State Horticultural Society. Paper presented at the "106th Annual Meeting of the Arkansas State Horticultural Society," November 13 and 14, 1985, Fort Smith, Arkansas. 1985. (106). p. 53-62. (NAL Call No.: DNAL SB21.A7A7).

0287

Application system critical for effective cole crop insect control with *Bacillus thuringiensis*.

Harper, J.D. Herbert, D.A.; Hollingsworth, M.H. Auburn, Ala. : The Station. Highlights of agricultural research - Alabama, Agricultural Experiment Station. Summer 1984. v. 31 (2). p. 8. ill. (NAL Call No.: 100 AL1H).

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Richter, I. Krain, H. Champaign, Ill., American Oil Chemists' Society. Lipids. Aug 1980. v. 15 (8). p. 580-586. 44 ref. (NAL Call No.: QP751.L5).

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JEENAI. Zalom, F.G. Pickel, C. College Park, Md. : Entomological Society of America. Journal of economic entomology. Dec 1985. v. 78 (6). p. 1251-1253. Includes references. (NAL Call No.: DNAL 421 J822).

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Getzin, L.W. JEENA. College Park : Entomological Society of America. Journal of economic entomology. Oct 1983. v. 76 (5). p. 1083-1085. Includes references. (NAL Call No.: 421 J822).

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Grafius, E. MUCBA. Otto, M.; Collins, B. East Lansing : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. Apr 1983. Apr 1983. (890). 2 p. ill. Includes references. (NAL Call No.: 275.29 M58B).

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0430

Host plant preferences of caged populations of the tobacco budworm, cabbage looper, and soybean looper : and effect of supplemental releases of *Trichogramma pretiosum* and *Chrysopa carnea* on these three pests / Southern Region, Agri. Res. Serv., USDA and Agricultural Research and Education Center, IFAS, University of Florida. -.
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0432

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0433

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0434

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0437

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0438

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0439

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0440

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Moss, J.I. Van Steenwyk, R.A. College Park, Md. : Entomological Society of America. Environmental entomology. Apr 1984. v. 13 (2). p. 390-393. Includes references. (NAL Call No.: QL461.E532).

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Evans, H.F. Bishop, J.M.; Page, E.A. New York, Academic Press. Journal of invertebrate pathology. Jan 1980. v. 35 (1). p. 1-8. ill. 14 ref. (NAL Call No.: 421 J826).

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Vail, P.V. AR-W. Seay, R.E.; DeBolt, J. College Park, Md., Entomological Society of America. Journal of economic entomology. Feb 15, 1980. v. 73 (1). p. 72-75. ill. 13 ref. (NAL Call No.: 421 J822).

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CAGRA. Altieri, M.A. Schmidt, L.L. Berkeley, Calif. : The Station. California agriculture - California Agricultural Experiment Station. Nov/Dec 1987. v. 41 (11/12). p. 24-26. (NAL Call No.: DNAL 100 C12CAG).

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JEENAI. Bellows, T.S. Jr. Arakawa, K. College Park, Md. : Entomological Society of America. Journal of economic entomology. Oct 1986. v. 79 (5). p. 1235-1239. Includes references. (NAL Call No.: DNAL 421 J822).

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Modulatory effects of octopamine and serotonin on male sensitivity and periodicity of response to sex pheromone in the cabbage looper moth, *Trichoplusia ni*.

Linn, C.E. Jr. Roelofs, W.L. New York, N.Y. : Alan R. Liss, Inc. Archives of insect biochemistry and physiology. 1986. v. 3 (2). p. 161-171. ill. Includes 45 references. (NAL Call No.: DNAL QL495.A7).

0482

Monitoring aphid infestations on broccoli (*Myzus persicae*, *Brevicoryne brassicae*, California).

Trumble, J.T. CAGRA. Nakakihara, H.; Carson, W. Berkeley : The Station. California agriculture - California Agricultural Experiment Station. Nov/Dec 1982. v. 36 (11/12). p. 15-16. ill. (NAL Call No.: 100 C12CAG).

0483

Monitoring of diamondback moth (Lepidoptera: Yponomeutidae) in cabbage with pheromones (*Plutella xylostella*, New York).

Baker, P.B. JEENA. Shelton, A.M.; Andaloro, J.T. College Park : Entomological Society of America. Journal of economic entomology. Dec

1982. v. 75 (6). p. 1025-1028. 1 p. ref. (NAL Call No.: 421 J822).

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Monitoring populations of *Liriomyza trifolii* (Diptera: Agromyzidae) in celery with pupal counts.

FETMA. Foster, R.E. Gainesville, Fla. : Florida Entomological Society. Florida entomologist. June 1986. v. 69 (2). p. 292-298. Includes references. (NAL Call No.: DNAL 420 F662).

0485

Morphological correlates of differences in pheromone sensitivity in insect sensilla (Cabbage copper moss, *Trichoplusia ni*).

O'Connell, R.J. SCIEA. Grant, A.J.; Mayer, M.S.; Mankin, R.W. Washington : American Association for the Advancement of Science. Science. June 1983. v. 220 (4604). p. 1408-1410. ill. Includes references. (NAL Call No.: 470 SCI2).

0486

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Willoughby, Ohio : Meister Publishing Company. American vegetable grower and greenhouse grower. Apr 1981. v. 29 (4). p. 60-61. (NAL Call No.: 80 C733).

0487

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Mayse, M.A. AKFRA. Dumas, B.A.; Motes, D.R. Fayetteville : The Station. Arkansas farm research - Arkansas Agricultural Experiment Station. Mar/Apr 1983. v. 32 (2). p. 2. (NAL Call No.: 100 AR42F).

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Howarth, A.J. Gardner, R.C.; Messing, J.; Shepherd, R.J. New York, Academic Press. Virology. July 30, 1981. v. 112 (2). p. 678-685. ill. 25 ref. (NAL Call No.: 448.8 V81).

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Occurrence of a disease caused by a rickettsia-like organism in a larval population of the cabbage looper, *Trichoplusia ni*, in southern California (feeding on broccoli).

Browning, H.W. Federici, B.A.; Oatman, E.R. College Park, Md., Entomological Society of America. Environmental entomology. June 15, 1982. v. 11 (3). p. 550-554. ill. 11 ref. (NAL Call No.: QL461.E532).

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Occurrence, parasitization, and sampling of *Liriomyza* species (Diptera: Agromyzidae) infesting celery in California.

Trumble, J.T. EVETB. Nakakihara, H. College Park : Entomological Society of America. Environmental entomology. June 1983. v. 12 (3). p. 810-814. Includes references. (NAL Call No.: QL461.E532).

0491

Of cabbages and caterpillars.

ORGAA. West, R. Emmaus, Pa. : Rodale Press. Organic gardening. Dec 1984. v. 31 (12). p. 32, 34, 36. ill. (NAL Call No.: DNAL 57.8 OR32).

0492

An oviposition deterrent associated with frass from feeding larvae of the cabbage looper, *Trichoplusia ni* (Lepidoptera: Noctuidae).

Renwick, J.A.A. Radke, C.D. College Park, Md., Entomological Society of America. Environmental entomology. June 15, 1980. v. 9 (3). p. 318-320. 18 ref. (NAL Call No.: QL461.E532).

0493

Parasitism and utilization of imported cabbageworm pupae by *Pteromalus puparum* (Hymenoptera: Pteromalidae).

EVETEX. Lasota, J.A. Kok, L.T. College Park, Md. : Entomological Society of America. Environmental entomology. Aug 1986. v. 15 (4). p. 994-998. Includes references. (NAL Call No.: DNAL QL461.E532).

0494

Pest control in commercial cole crop production.

Binning, L.K. Wyman, J.A.; Stevenson, W.R. Madison, Wis. : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. Feb 1985. (A2357). 4 p. (NAL Call No.: DNAL S544.3.W6W53).

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0495

Pest control in commercial cole crop production.

Binning, L. K. Wyman, J. A.; Stevenson, W. R. Document available from: University of Wisconsin, Agricultural Bulletin Building, 1535 Observatory Drive, Madison, Wisconsin 53706 1983. Discusses how to protect cabbage, cauliflower, broccoli, and brussels spouts produced by market gardeners. Includes insect, disease and weed control. 4 p. (NAL Call No.: Document available from source.). (NAL Call No.: A2357).

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Pest control in commercial cole crop production (Includes weed control).

Binning, L.K. Wyman, J.A.; Stevenson, W.R. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. 1983. 1983. (A2357). 4 p. (NAL Call No.: S544.3.W6W53).

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Pesticidal effects on leafminers and parasites in celery, 1981.

Trumble, J.T. College Park : Entomological Society of America. Insecticide and acaricide tests. 1982. v. 7. p. 81. (NAL Call No.: SB950.A1I49).

0498

Plant secondary compounds as oviposition deterrents for cabbage butterfly, *Pieris rapae* (Lepidoptera: Pieridae).

JCECD. Tabashnik, B.E. New York, N.Y. : Plenum Press. Journal of chemical ecology. Feb 1987. v. 13 (2). p. 309-316. Includes references. (NAL Call No.: DNAL QD415.A1J6).

0499

***Polistes* wasps (Hymenoptera: Vespidae) as control agents for lepidopterous cabbage pests (*Polistes fuscatus*, *Pieris rapae*, *Trichoplusia ni*, *Plutella xylostella*).**

Gould, W.P. Jeanne, R.L. College Park, Md. : Entomological Society of America. Environmental entomology. Feb 1984. v. 13 (1). p. 150-156. ill. Includes references. (NAL Call No.: QL461.E532).

0500

Predation of cabbage looper, *Trichoplusia ni*, pupae by the striped earwig, *Labidura riparia*, and two bird species (*Dendroica palmarum palmarum*, *Passerculus sandwichensis savanna*, natural control, Florida, USA).

Strandberg, J.D. College Park, Md.,

Entomological Society of America. Environmental entomology. Oct 15, 1981. v. 10 (5). p. 712-715. ill. 13 ref. (NAL Call No.: QL461.E532).

0501

Predicting cabbage maggot (*Hylemya brassicae*) flights in New York using common wild plants.

Pedersen, L.H. Eckenrode, C.J. Geneva, N.Y., The Station. New York's food and life sciences bulletin - New York (State), Agricultural Experiment Station, Geneva. 1981. 1981. (87). 6 p. ill. 10 ref. (NAL Call No.: S95.E22).

0502

Properties of the delta 11-desaturase enzyme used in cabbage looper moth sex pheromone biosynthesis.

Wolf, W.A. Roelofs, W.L. New York, N.Y. : Alan R. Liss, Inc. Archives of insect biochemistry and physiology. 1986. v. 3 (1). p. 45-52. Includes references. (NAL Call No.: DNAL QL495.A7).

0503

Protection of celery from leafminers (*Liromyza sativae*) with permethrin.

Poe, S.L. Gouger, R.J. Lake Alfred. Proceedings of the ... annual meeting Florida State Horticultural Society. 1978 (pub. 1979). v. 91. p. 267-271. ill. 3 ref. (NAL Call No.: 81 F66).

0504

Reducing celery leafminer damage with plant growth regulators (*Liriomyza trifolii*, Florida).

White, J.M. Musgrave Sutherland, C.A. S.1., The Society. Proceedings of the ... annual meeting of the Florida State Horticultural Society. 1981 (pub. 1982). v. 94. p. 144-146. Includes 15 ref. (NAL Call No.: 81 F66).

0505

Reducing pesticide treatments in celery may be justified. Lower insecticide usage in the first half of the season did not reduce marketable fall-crop celery in this test (California).

Van Steenwyk, R.A. CAGRA. Toscano, N.C. Berkeley : The Station. California agriculture - California Agricultural Experiment Station. Sept/Oct 1982. v. 36 (9/10). p. 14-15. ill. (NAL Call No.: 100 C12CAG).

0506

Relationship between lepidopterous larval density and damage in celery and celery plant growth analysis (*Trichoplusia ni*, *Spodoptera exigua*).

Van Steenwyk, R.A. Toscano, N.C. College Park, Md., Entomological Society of America. Journal of economic entomology. June 1981. v. 74 (3). p. 287-290. 4 ref. (NAL Call No.: 421 J822).

0507

Relationships among ants, aphids, and coccinellids on wild lettuce.

McLain, D.K. Athens, Ga., The Society. Journal of the Georgia Entomological Society. Oct 1980. v. 15 (4). p. 417-418. (NAL Call No.: QL461.G4).

0508

Relationships between laboratory bioassay-derived potencies and field efficacies of *Bacillus thuringiensis* isolates with different spectral activities (Biological control of cabbage looper, *Trichoplusia ni*).

Beegle, C.C. Dulmage, H.T.; Wolfenbarger, D.A. New York, Academic Press. Journal of invertebrate pathology. Mar 1982. v. 39 (2). p. 138-148. 7 ref. (NAL Call No.: 421 J826).

0509

Relative effectiveness of soil-applied granular insecticides on spinach carrion beetle (*Silpha bituberosa*).

Yun, Y.M. Spaur, M.B. Fort Collins, Colo., The Society. Journal of the American Society of Sugar Beet Technologists. Apr 1981. v. 21 (1). p. 23-26. 3 ref. (NAL Call No.: 66.9 AM35J).

0510

Reproductive biology of *Microplitis brassicae* (Hymenoptera: Braconidae), parasite of the cabbage looper, *Trichoplusia ni* (Lepidoptera: Noctuidae).

AESAAI. Browning, H.W. Datman, E.R. College Park, Md. : The Society. Annals of the Entomological Society of America. May 1985. v. 78 (3). p. 369-372. ill. Includes references. (NAL Call No.: DNAL 420 EN82).

0511

Resistance of cabbage looper *Trichoplusia ni* (Hubner) (Lepidoptera: Noctuidae) to methomyl in Missouri.

Wilkinson, J.D. JKESA. Biever, K.D.; Hostetter, D.L. Lawrence : The Society. Journal of the Kansas Entomological Society. Jan 1983. v. 56 (1). p. 59-61. Includes references. (NAL Call No.: 420 K13).

0512

Resistance of lettuce varieties to attacks by the root Apteræ of *Pemphigus bursarius* (L.).

Alleyne, E.H. Morrison, F.O. L'Assomption, Canada (etc.), The Society. Annales - Societe entomologique du Quebec. Entomological Society of Quebec. Sept 1978. v. 23 (3). p. 158-167. ill. 7 ref. (NAL Call No.: 420 EN822).

0513

Response of cabbage to insecticide schedule, plant spacing, and fertilizer rates.

JDSHB. Csizinszky, A.A. Schuster, D.J. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Nov 1985. v. 110 (6). p. 888-893. Includes 21 references. (NAL Call No.: DNAL 81 S012).

0514

A review of cabbage pest management in New York: from the pilot project to the private sector, 1978-1982 (Insect control, databases).

Andaloro, J.T. Hoy, C.W.; Rose, K.B.; Tette, J.P.; Shelton, A.M. Geneva, N.Y. : New York (State), Agricultural Experiment Station, Geneva. New York's food and life sciences bulletin. 1983. 1983. (105). New York ill. Includes references. (NAL Call No.: S95.E22).

0515

Root soak treatment makes Ambush (permethrin) systemic (Synthetic pyrethroids, chrysanthemums, celery, *Trialeurodes vaporariorum*, *Liriomyza sativae*).

Krueger, H.R. Lindquist, R.K. Wooster, Ohio Agricultural Research and Development Center. Ohio report on research and development in agriculture, home economics, and natural resources. Mar/Apr 1979. v. 64 (2). p. 29. (NAL Call No.: 100 OH3S (3)).

0516

Sample size, age of celery petiole and rearing conditions affect emergence of vegetable leafminers (*Liriomyza sativae*) and parasites.

Tryon, E.H. Jr. Poe, S.L. s.l., The Society. Proceedings of the ... annual meeting of the Florida State Horticultural Society. June 1, 1980. v. 92. p. 108-110. ill. 13 ref. (NAL Call No.: 81 F66).

0517

The search for resources by cabbage butterflies (*Pieris rapae*): ecological consequences and adaptive significance of Markovian movements in a patchy environment.

Root, R.B. ECOLA. Kareiva, P.M. Durham : Ecological Society of America. Ecology : a

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publication of the Ecological Society of America. Feb 1984. v. 65 (1). p. 147-165. ill. Includes references. (NAL Call No.: 410 EC7).

0518

Seasonal abundance and parasites of the imported cabbageworm (*Hellula rogatalis*) diamondback moth (*Plutella xylostella*) and cabbage webworm (*Pieris rapae*) in northeast Florida.

Ru. N. Workman, R.B. Gainesville, Florida Entomological Society. Florida entomologist. Mar 1979. v. 62 (1). p. 68-69. ill. (NAL Call No.: 420 F662).

0519

Seasonal abundance of lepidopterous larvae in commercial cabbage fields (*Pieris rapae*, *Plutella xylostella*, *Trichoplusia ni*, New York).

Andaloro, J.T. Shelton, A.M.; Eckenrode, C.J. College Park, Md., Entomological Society of America. Environmental entomology. Feb 1982. v. 11 (1). p. 144-146. Includes 6 ref. (NAL Call No.: QL461.E532).

0520

A sequential sampling plan for three lepidopterous pests of cabbage (*Pieris rapae*, *Plutella xylostella*, *Trichoplusia ni*, Texas). Kirby, R.D. Slosser, J.E. College Station, Tex., Southwestern Entomological Society. The Southwestern entomologist. Sept 1981. v. 6 (3). p. 195-200. 5 ref. (NAL Call No.: QL461.S65).

0521

Seven-week persistence of an oviposition-deterrent pheromone (of *Pieris brassicae* on cabbage plants).

Schoonhoven, L.M. Sparnaay, T.; Wissen, W. van.; Meerman, J. New York, Plenum Press. Journal of chemical ecology. May 1981. v. 7 (3). p. 583-588. 11 ref. (NAL Call No.: QD415.A1J6).

0522

Sex pheromone biosynthesis in *Trichoplusia ni*: key steps involve delta-11 desaturation and chain-shortening (Cabbage looper moth).

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Strategies for aphid (*Myzus persicae*) control on field-grown leaf lettuce.
Simonet, D.E. OH. Wooster, Ohio, The Center. Special circular - Ohio Agricultural Research and Development Center. Ohio. Agricultural Research and Development Center. May/June 1980. v. 65 (3). p. 44-46. ill. (NAL Call No.: 100 OH3S).

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Lingren, P. D.; Green, G. L. Washington, D.C.? : U.S. Dept. of Agriculture, Agricultural Research Service ; U.S. G.P.O., 1984. "Lingren, P.D. and G.L. Green, editors"--P. iii. iv, 150 p. : ill., maps ; 28 cm. --. Bibliography: p. 133-148. (NAL Call No.: DNAL 1 Ag84Te no.1684).

0534

Suppression of lepidopterous larvae (*Pieris rapae*, *Plutella xylostella*, *Trichoplusia ni*) in commercial sauerkraut cabbage fields and research plots (*Parathion*, *Bacillus thuringiensis*).
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0535

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0536

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Shelton, A.M.EVETB. Andalaro, J.T.; Hoy, C.W. College Park : Entomological Society of America. Environmental entomology. Aug 1983. v. 12 (4). p. 1026-1030. Includes references. (NAL Call No.: QL461.E532).

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0538

Susceptibility of larvae of *Trichoplusia ni* and *Anticarsia gemmatalis* to intrahemocoelic injections of conidia and blastospores of *Nomuraea rileyi* (Cabbage looper, velvetbean caterpillar, biological control).

Ignoffo, C.M. Garcia, C.; Kroha, M.J. New York, Academic Press. Journal of invertebrate pathology. Mar 1982. v. 39 (2). p. 198-202. 11 ref. (NAL Call No.: 421 J826).

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Stewart, J.K. AR-W. Aharoni, Y.; Hartsell, P.L.; Young, D.K. Alexandria, Va., American Society for Horticultural Science. HortScience. Apr 1980. v. 15 (2). p. 148-149. ill. 3 ref. (NAL Call No.: SB1.H6).

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Technique for staining eggs of *Liriomyza trifolii* within chrysanthemum, celery, and tomato leaves (Leafminer, USA).

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0546

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EVETEX. Rider, D.A. Berger, R.S. College Park, Md. : Entomological Society of America. Environmental entomology. Aug 1985. v. 14 (4). p. 427-432. Includes references. (NAL Call No.: DNAL QL461.E532).

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Transmission, host range, and serological properties of the viruses that cause lettuce speckles disease (Insect vector, *Myzus persicae*, California).

Falk, B.W. Duffus, J.E. St. Paul, American Phytopathological Society. Phytopathology. June 1979. v. 69 (6). p. 612-617. ill. 24 ref. (NAL Call No.: 464.8 P56).

0549

Transmission of cauliflower mosaic virus by the green peach, turnip, cabbage, and pea aphids (*Myzus persicae*, *Hyadaphis erysimi*, *Brevicoryne brassicae*, *Acyrtosiphon pisum*).

Namba, R. Sylvester, E.S. College Park, Md., Entomological Society of America. Journal of economic entomology. Oct 1981. v. 74 (5). p. 546-551. 17 ref. (NAL Call No.: 421 J822).

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Transmission of X-disease (peach yellow leafroll) agent by the leafhoppers *Scaphytopius nitridus* and *Acinopterus angulatus* (Peaches, celery).

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Hammock, B.D. Wing, K.D.; McLaughlin, J.; Lovell, V.M.; Sparks, T.C. New York, Academic Press. Pesticide biochemistry and physiology. Feb 1982. v. 17 (1). p. 76-88. ill. Includes 43 ref. (NAL Call No.: SB951.P49).

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Trouble in the cabbage patch.

Coody, L.S. Emmaus, Pa. : Rodale Press. Rodale's organic gardening. Aug 1986. v. 32 (8). p. 50-54. ill. (NAL Call No.: DNAL S605.5.R64).

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Unsuitability of carbon-13 nuclear magnetic resonance for studying pheromone biosynthesis in the cabbage looper moth (*Trichoplusia ni*).

Jones, I.F. Berger, R.S.; Hargis, J.H. Washington, American Chemical Society. Journal of agricultural and food chemistry. Sept/Oct 1982. v. 30 (5). p. 1000-1002. 1 p. ref. (NAL Call No.: 381 J8223).

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The use of a microinjection procedure for large-scale production of the microsporidian *Nosema eurytremae* in (the cabbage white butterfly) *Pieris brassicae*.

Pilley, B.M. Canning, E.U. New York. Journal of invertebrate pathology. Nov 1978. v. 32 (3). p. 355-358. ill. Bibliography p. 357-358. (NAL Call No.: 421 J826).

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Use of action thresholds for management of lepidopterous larval pests of fresh-market cabbage (*Trichoplusia ni*, *Artogeia rapae*, *Plutella xylostella*).

Morisak, D.J. Simonet, D.E.; Lindquist, R.K. College Park, Md. : Entomological Society of America. Journal of economic entomology. Apr 1984. v. 77 (2). p. 476-482. Includes references. (NAL Call No.: 421 J822).

0556

Use of larvae of *Trichoplusia ni* to bioassay conidia of *Beauveria bassiana* (Cabbage looper).

Ignoffo, C.M. Garcia, C.; Kroha, M.; Couch, T.L. College Park, Md., Entomological Society of America. Journal of economic entomology. Apr 1982. v. 75 (2). p. 275-276. 8 ref. (NAL Call No.: 421 J822).

0557

Utilization of action thresholds for microbial and chemical control of lepidopterous pests (Lepidoptera: Noctuidae, Pieridae) on cabbage (*Pieris rapae*, *Trichoplusia ni*, *Plutella xylostella*).

Sears, M.K. JEENA. Jaques, R.P.; Laing, J.E. College Park : Entomological Society of America. Journal of economic entomology. Apr 1983. v. 76 (2). p. 368-374. Includes references. (NAL Call No.: 421 J822).

0558

Utilizing action thresholds in small-plot insecticide evaluations against cabbage-feeding, lepidopterous larvae (*Pieris rapae*, *Plutella xylostella*, *Trichoplusia ni*, Ohio).

Simonet, D.E. Morisak, D.J. College Park, Md., Entomological Society of America. Journal of economic entomology. Feb 1982. v. 75 (1). p. 43-46. ill. 5 ref. (NAL Call No.: 421 J822).

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Validation of a hypothesis for scouting and monitoring pests based on celery growth in an integrated crop management system (Florida). Guzman, V.L. Genung, W.G.; Pieczarka, D.J. s.l., The Society. Proceedings of the ... annual meeting of the Florida State Horticultural Society. 1980 (pub 1981). v. 93. p. 230-235. ill. 7 ref. (NAL Call No.: 81 F66).

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0561

Varietal resistance to onion thrips (*Thysanoptera: Thripidae*) in processing cabbage (*Thrips tabaci*).

Shelton, A.M. Becker, R.F.; Andaloro, J.T. College Park, Md. : Entomological Society of America. Journal of economic entomology. Feb 1983. v. 76 (1). p. 85-86. Includes references. (NAL Call No.: 421 J822).

0562

Varying susceptibility to methomyl and permethrin in widely separated cabbage looper (*Lepidoptera: Noctuidae*) populations within eastern North America (*Trichoplusia ni*).

Shelton, A.M. JEENA, Soderlund, D.M. College Park : Entomological Society of America. Journal of economic entomology. Oct 1983. v. 76 (5). p. 987-989. Includes references. (NAL Call No.: 421 J822).

0563

Vertical distribution of overwintering soil Apterae of the lettuce root aphid, *Pemphigus bursarius* (L.) in Quebec.

Alleyne, E.H. Morrison, F.O. L'Assomption, Canada (etc.), The Society. Annales - Societe entomologique du Quebec. Entomological Society of Quebec. Sept 1978. v. 23 (3). p. 155-157. ill. 1 ref. (NAL Call No.: 420 EN822).

0564

Virulence of *Autographa californica* (alfalfa looper) baculovirus preparations fed with different food sources to cabbage loopers (*Trichoplusia ni*, biological control).

Baughner, D.G. Yendol, W.G. College Park, Md., Entomological Society of America. Journal of economic entomology. June 1981. v. 74 (3). p. 309-313. Bibliography p. 313. (NAL Call No.: 421 J822).

0565

Weed, insect, and disease control guide: Asparagus; cucumbers, melons, pumpkins, squash; rhubarb. Commercial vegetable.

Waters, Luther Jr. Boldt, Paul F.; Lofgren, John A.; Noetzel, David M.; Pflieger, F. L.; Bissonnette, Howard L. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1981. Outlines herbicide, insecticide and fungicide suggestions for asparagus, cucumbers, melons, pumpkins, squash and rhubarb. 4 p. : ill. (NAL Call No.: Document available from source.). (NAL Call No.: Ext. Folder 599).

0566

Weed, insect, and disease control guide: beets, carrots, lettuce, onions parsnips, radishes, rutabagas, turnips, spinach.

Waters, Luther Jr. Boldt, Paul F.; Lofgren, John A. ; Noetzel, David M.; Pflieger, F. L.; Bissonnette, Howard L. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1981. Lists herbicides, insecticides and fungicide suggestions for beets, carrots, lettuce, onions, parsnips, radishes, rutabagas, turnips and spinach. 7 p. : ill. (NAL Call No.: Document available from source.). (NAL Call No.: Ext. Folder 600).

0567

Weed, insect, and disease control guide: cabbage, broccoli, cauliflower, brussels sprouts.

Waters, Luther Jr. Boldt, Paul F.; Lofgren, John A.; Noetzel, David M.; Pflieger, F. L.; Bissonnette, Howard L. & Commercial vegetable. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1981. Lists herbicide, insecticide and fungicide suggestions for cabbage, broccoli, cauliflower and brussels sprouts. 4 p. : ill. (NAL Call No.: Document available from source.). (NAL Call No.: Ext. Folder 598).

0568

The western cabbage flea-beetle /by F.H. Chittenden and H.O. Marsh.

Chittenden, F. H. Marsh, H. O. 1885-1918. Washington, D.C. : U.S. Dept. of Agriculture, 1920. Caption title.~ "October 22, 1920."~ "Professional paper." 21 p., 1 leaf of plates : ill., 1 map ; 23 cm. Bibliography: p. 21. (NAL Call No.: DNAL 1 Ag84B no.902).

0589

Whiteflies damaged lettuce crop.

Kingdon, L.B. Tempe, Ariz. : Arizona Farmer-Stockman. Arizona farmer-stockman. Jan 1988. v. 67 (1). p. 10-11. (NAL Call No.: DNAL 6 AR44).

physiology. Dec 1978. Dec 1978. v. 9 (3). v. 9 (3). p. 300-303. ill. p. 300-303. ill. 14 ref. 14 ref. (NAL Call No.: SB951.P49).(NAL Call No.: SB951.P49).

0570

Whitefly-borne viruses of melons and lettuce in Arizona.

PHYTA. Brown, J.K. Nelson, M.R. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Feb 1986. v. 76 (2). p. 236-239. ill. Includes 20 references. (NAL Call No.: DNAL 464.8 P56).

0574

Intrapopulation factors of survival rate and harmfulness of Mamestra brassicae (Pest of cabbage). RUSSIAN.

Lobachenko, N.I. Moskva, "Kolos". Zashchita rastenii. Jan 1979. Jan 1979. (1). p. 24-25. ill. (NAL Call No.: 421 Z1).

0571

Within-plant distribution and sampling of aphids (Homoptera: Aphididae) on broccoli in southern California (Brevicoryne brassicae, Myzus persicae).

Trumble, J.T. College Park, Entomological Society of America. Journal of economic entomology. Aug 1982. v. 75 (4). p. 587-592. ill. 1 p. ref. (NAL Call No.: 421 J822).

0575

Pheromone traps for the cabbage moth (Mamestra brassicae, Bulgaria). BULGARIAN.

Subchev, M. Sofia, Natsionalen agrarno-promishlen suuz. Rastitelna zashtita. Plant protection. 1978. v. 26 (7). p. 33-34. ill. (NAL Call No.: 423.92 S02).

0572

Yield responses in lettuce plants of various density treatment levels of lepidopterous larvae.

Toscano, N.C. JEENA. Van Steenwyk, R.A.; Kido, K.; McCalley, N.F.; Barnett, W.W. College Park : Entomological Society of America. Journal of economic entomology. Oct 1982. v. 75 (5). p. 916-920. Includes references. (NAL Call No.: 421 J822).

0576

Test to control adults of the cabbage stem flea-beetle (Psylliodes chrysocephala L.) on rape at the time of planting. FRENCH.

Houpert, G. Caland, C. Nancy, L'Ecole. Bulletin.Ecole nationale superieure d'agronomie et des industries alimentaires, Nancy. 1978. v. 20 (1/2). p. 75-79. ill. 4 ref. (NAL Call No.: 64.9 N15).

0573

Action of some insecticides on the common Trichogramma (Trichogramma evanescens Westw.) (used for biological control of Mamestra brassicae, pest of cabbage). BULGARIAN.

Kim-Chi, C. Sofia, Ministerstvo na zemedeliето i khranitelnata promishlenost. Gradinarska i lozarska nauka. Horticultural and viticultural science. 1979. v. 15 (2). p. 73-79. ill. 9 ref. (NAL Call No.: 87 G75).

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Burt, M.E. Burt, M.E. Kuhr, R.J. Kuhr, R.J. New York. New York. Pesticide biochemistry and physiology. Pesticide biochemistry and

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0577

Ecology and control of the cabbage maggot in Wisconsin / by Charles Joseph Eckenrode. -
Eckenrode, Charles Joseph, 1942-. 1970. Thesis (Ph.D.)--University of Wisconsin, 1970. Photocopy of typescript. Ann Arbor: University Microfilms, 1971. v. 123 leaves ; 21 cm. Bibliography: leaves 116-123. (NAL Call No.: DISS 70-19,140).

0578

Effect of fenamiphos on populations of Heterodera schachtii and subsequent plant injury in a cabbage-cucumber rotation (Florida).
Rhoades, H.L.NMTPA. Auburn : Organization of Tropical American Nematologists. Nematropica. Dec 1982. v. 12 (2). p. 289-293. Includes references. (NAL Call No.: SB998.N4N4).

0579

Effects of fumigant and nonfumigant nematicides on Belonolaimus longicaudatus and Hoplolaimus galeatus populations and subsequent yield of cabbage.
PLDRA. Rhoades, H.L. St. Paul, Minn. : American Phytopathological Society. Plant disease. June 1986. v. 70 (6). p. 581-582. Includes 6 references. (NAL Call No.: DNAL 1.9 P69P).

0580

Effects of initial population densities of Heterodera schachtii on yield of cabbage and table beets in New York State.
Abawi, G.S. Mai, W.F. St. Paul, Minn., American Phytopathological Society. Phytopathology. June 1980. v. 70 (6). p. 481-485. ill. 21 ref. (NAL Call No.: 464.8 P56).

0581

Evaluation of fall treatment with broadspectrum chemicals and nematicides for production of pepper, tomato, and cabbage transplants in southern Georgia (Phytotoxicity).
Jaworski, C.A. AR-SO. Phatak, S.C.; McCarter, S.M.; Johnson, A.W.; Glaze, N.C. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. Sept 1980. v. 105 (5). p. 756-759. 17 ref. (NAL Call No.: 81 S012).

0582

Influence of nematicides and methods of their application on growth and yield of cabbage in sting nematode infested soil (Belonolaimus longicaudatus).
Rhoades, H.L. s.l., The Society. Proceedings of the ... annual meeting of the Florida State

Horticultural Society. 1980 (pub 1981). v. 93. p. 246-247. ill. 7 ref. (NAL Call No.: 81 F66).

0583

Insect and nematode control recommendations for celery, cole crops, head lettuce, and spinach.
Toscano, N.C. (comp.). CA. Burton, V.; Hart, W.; Radewald, J.; Thomason, I.; Toscano, N.; Van Steenwyk, R.; Wyman, J.; McCalley, N.; Dibble, J.; Johnson, D.; Lange, H.; Stimmann, M. Berkeley, The Service. Leaflet - Division of Agricultural Sciences, University of California. California. University, Berkeley. Cooperative Extension Service. Dec 1979. Dec 1979. (21141). 13 p. ill. (NAL Call No.: S544.3.C2C3).

0584

Role of fenamiphos as a nemastat for control of Heterodera schachtii in cabbage production.
PLDRA. Muchena, P.K. Bird, G.W. St. Paul, Minn. : American Phytopathological Society. Plant disease. June 1987. v. 71 (6). p. 552-554. Includes references. (NAL Call No.: DNAL 1.9 P69P).

0585

The taxonomy and biology of a new species of Nacobbus (hoplolaimidae) nematoda found parasitizing spinach (Spinacia oleracea L.) in Texas / by Jerral D. Johnson. -
Johnson, Jerral D., 1938-. 1971. Thesis (Ph.D.)--Texas A&M University, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. x, 142 leaves ; 21 cm. Bibliography: leaves 94-96. (NAL Call No.: DISS 71-24,682).

0586

Two new nematode genera, Safianema (Anguinidae) and Discotylenchus (Tylenchidae), with descriptions of three new species (from peaty soil underneath oak tree, apple and cabbage).
Siddiqi, M.R. Lawrence, Kans., The Society. Proceedings - Helminthological Society of Washington. Helminthological Society of Washington. Jan 1980. v. 47 (1). p. 85-94. ill. 7 ref. (NAL Call No.: 436.9 H36).

PLANT DISEASES - GENERAL

0587

Cabbage diseases /by L.L. Harter and L.R. Jones ; rev. by J.C. Walker.

Harter, L. L. 1875-. Jones, L. R. 1864-1945.; Walker, J. C. 1893-. Washington, D.C. : U.S. Dept. of Agriculture, 1923. "This bulletin is a revision of and supersedes Farmers' bulletin 925.". 29 p. : ill. ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 1 Ag84F no.1351).

0588

Celery variety development (Resistant to early blight, late blight, bolting).

Honma, S. Willoughby, Ohio : Meister Publishing Company. American vegetable grower and greenhouse grower. Sept 1982. v. 30 (9). p. 43. (NAL Call No.: 80 C733).

0589

Development of procedures for optimal control of fungal, bacterial, and physiological diseases of lettuce.

Grogan, R.G. Patterson, C.L. Sacramento, Calif. : Iceberg Lettuce Research Advisory Board. Iceberg Lettuce Research Program annual report. Apr 1, 1985/Mar 31, 1986. p. 17-26. ill. (NAL Call No.: DNAL SB351.L6I25).

0590

Development of procedures for optimal control of fungal, bacterial, and physiological diseases of lettuce.

Grogan, R.G. Patterson, C.L.; Waters, C.M.; Dillard, H.; Delp, B. Sacramento, Calif. : Iceberg Lettuce Research Advisory Board. Iceberg Lettuce Research Program annual report. Annual report: April 1, 1983-March 31, 1984. 1984. p. 15-30. (NAL Call No.: DNAL SB351.L6I25).

0591

Diseases of cabbage and related crops and their control by L.L. Harter. --.

Harter, L. L. Washington, D.C. : U.S. Dept. of Agriculture, 1912. 32 p. : ill. --. (NAL Call No.: DNAL Fiche S-70 no.488).

0592

Diseases of cabbage and related plants.

Latin, Richard X. 1981. This publication gives general control suggestions for cabbage and other crucifer diseases. Document available from: Mailing Room, Ag. Administration Bldg., Purdue University, W. Lafayette, Indiana 47907. 4 p. (NAL Call No.: Not available at NAL.).(NAL Call No.: BP-8-11).

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Diseases of cabbage and related plants.

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Diseases of cabbage and related plants /by J.C. Walker.

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Diseases of cabbage and related plants /by J.C. Walker.

Walker, J. C. 1893-. Washington, D.C. : U.S. Dept. of Agriculture, 1948. Originally issued Feb. 1927. 38 p. : ill. ; 23 cm. (NAL Call No.: DNAL 1 Ag84F no.1439 1948).

0596

Diseases of cabbage and related plants /by J.C. Walker.

Walker, J. C. 1893-. Washington, D.C. : U.S. Dept. of Agriculture, 1938. Originally issued Feb. 1927. This bulletin is a revision of and supersedes Farmers' bulletins 925 and 1351, Cabbage diseases, by L.L. Harter and L.R. Jones. 36 p. : ill. ; 23 cm. (NAL Call No.: DNAL 1 Ag84F no.1439 1938).

0597

Diseases of cabbage and related plants / by J.C. Walker, R.H. Larson, and A.L. Taylor .

Walker, J. C. 1893-. Taylor, A. L. 1901-; Larson, R. H. 1904-. Washington, D.C. : U.S. Dept. of Agriculture, 1958. Cover title. Contains information formerly presented in Farmer's bulletin 1439 with the same title. 41 p. : ill. ; 24 cm. (NAL Call No.: DNAL 1 Ag84Ah no.144).

0598

Diseases of cabbage and related plants by J.C. Walker . --.

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(PLANT DISEASES - GENERAL)

0599

Diseases of cabbage and related plants by J.C. Walker, R.H. Larson, and A.L. Taylor . --.
Walker, J. C. 1893-. Washington, D.C. : U.S. Dept. of Agriculture, 1958. 41 p. : ill. --.
(NAL Call No.: DNAL Fiche S-85 no.144).

0600

Disorders in cabbage, bunched broccoli, and cauliflower shipments to the New York market, 1972-1985.

PLDIDE. Ceponis, M.J. Cappellini, R.A.; Lightner, G.W. St. Paul, Minn. : American Phytopathological Society. Plant disease. Dec 1987. v. 71 (12). p. 1151-1154. Includes references. (NAL Call No.: DNAL 1.9 P69P).

0601

Fall Green, a disease resistant spinach cultivar.

AKFRAC. Goode, M.J. Morelock, T.E.; Bowers, J.L. Fayetteville, Ark. : The Station. Arkansas farm research - Arkansas Agricultural Experiment Station. Sept/Oct 1987. v. 36 (5). p. 3. (NAL Call No.: DNAL 100 AR42F).

0602

Floribibb, a gourmet lettuce resistant to two viruses, for Florida organic soils.

Guzman, V.L. Zitter, T.A. Gainesville : The Station. Circular S - Florida, Agricultural Experiment Station. Oct 1984. (313). 8 p. ill. Includes 3 references. (NAL Call No.: DNAL 100 F66CI).

0603

Growing cauliflower and broccoli.

XDAFA. Washington, D.C. : The Department. Farmers' bulletin - United States Department of Agriculture. 1984. (2239,rev.). 14 p. ill. (NAL Call No.: DNAL 1 AG84F).

0604

Internal tipburn of cabbage its control through breeding / J.C. Walker, P.H. Williams, and G.S. Pound .

Walker, J. C. 1893-. Williams, P. H.; Pound, G. S. Madison : Agricultural Experiment Station, University of Wisconsin, 1965. Cover title. 11 p. : ill. ; 23 cm. Bibliography: p. 11. (NAL Call No.: DNAL 100 W75 (2) no.258).

0605

Lettuce breeding.

Micheltmore, R. Sacramento, Calif. : Iceberg Lettuce Research Advisory Board. Iceberg Lettuce Research Program annual report. Apr 1, 1985/Mar 31, 1986. p. 1-9. ill. (NAL Call No.: DNAL SB351.L6I25).

0606

Lettuce breeding--USDA-ARS.

Ryder, E.J. McCreight, J.D. Sacramento, Calif. : Iceberg Lettuce Research Advisory Board. Iceberg Lettuce Research Program annual report. Annual report: April 1, 1983-March 31, 1984. 1984. p. 9-13. ill. (NAL Call No.: DNAL SB351.L6I25).

0607

Lettuce improvement.

Micheltmore, R. Sacramento, Calif. : Iceberg Lettuce Research Advisory Board. Iceberg Lettuce Research Program annual report. Annual report: April 1, 1983-March 31, 1984. 1984. p. 1-8. ill. (NAL Call No.: DNAL SB351.L6I25).

0608

Market diseases of asparagus, onions, beans, peas, carrots, celery, and related vegetables / by Marion A. Smith, Lacy P. McColloch, and Bernard A. Friedman .

Smith, M. A. 1897-. McColloch, Lacy Porter, 1907-; Friedman, B. A. 1909-; Ramsey, Glen B. 1889-. Washington, D.C. : U.S. Dept. of Agriculture, Agricultural Research Service, Market Quality Research Division, 1966. Revision of and supersedes Market diseases of fruits and vegetables: asparagus, onions, beans, peas, carrots, celery, and related vegetables, by G.B. Ramsey and J.S. Wiant, issued as U.S. Dept. of Agriculture. Miscellaneous publication no. 440. iv, 65 p. : 17 plates (part col.) ; 24 cm. Bibliography: p. 56-65. (NAL Call No.: DNAL 1 Ag84Ah no.303).

0609

Market diseases of beets, chicory, endive, escarole, globe artichokes, lettuce, rhubarb, spinach, and sweetpotatoes /by Glen B. Ramsey, B.A. Friedman and M.A. Smith.

Ramsey, Glen B. 1889-. Friedman, B. A. 1909-; Smith, M. A. 1897-. Washington, D.C. : U.S. Dept. of Agriculture, Agricultural Marketing Service, Marketing Research Division, 1959. "Supersedes Miscellaneous publication no. 541, Market diseases of fruits and vegetables: beets, endive, escarole, globe artichokes, lettuce, rhubarb, spinach, Swiss chard, and sweetpotatoes.". ii, 42 p. : 19 plates (some col.) ; 23 cm. Bibliography: p. 35-42. (NAL Call No.: DNAL 1 Ag84Ah no.155).

0610

Market diseases of cabbage, cauliflower, turnips, cucumbers, melons, and related crops / Glen B. Ramsey and M.A. Smith .
Ramsey, Glen B. 1889-. Smith, Marion Ashton. Washington, D.C. : U.S. Dept. of Agriculture, Agricultural Marketing Service, Market Quality Research Division, 1961. 49 p., 24 p. of plates : ill. (some col.) ; 23 cm. Bibliography: p. 45-49. (NAL Call No.: DNAL 1 Ag84Ah no.184).

0611

Market diseases of fruits and vegetables asparagus, onions, beans, peas, carrots, celery, and related vegetables /by Glen B. Ramsey and James S. Wiant.
Ramsey, Glen B. 1889-. Wiant, James S. 1900-. Washington, D.C. : U.S. Dept. of Agriculture, 1941. Cover title.~ "September 1941.". 70 p., 15 leaves of plates : ill. (some col.) ; 23 cm. Bibliography: p. 60-70. (NAL Call No.: DNAL 1 Ag84M no.440).

0612

Mosaic and yellows resistant inbred cabbage varieties / G.S. Pound, P.H. Williams and J.C. Walker .
Pound, G. S. Williams, P. H.; Walker, J. C. 1893-. Madison : Agricultural Experiment Station, University of Wisconsin, 1965. Cover title. 30 p. : ill. ; 23 cm. Bibliography: p. 30. (NAL Call No.: DNAL 100 W75 (2) no.259).

0613

Pest control in commercial cole crop production.
Binning, L.K. Wyman, J.A.; Stevenson, W.R. Madison, Wis. : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. Feb 1985. (A2357). 4 p. (NAL Call No.: DNAL S544.3.W6W53).

0614

South Bay and Raleigh: two crisphead lettuce cultivars resistant to corky root rot for organic soils.
Guzman, V.L. Gainesville : The Institute. Circular S - Agricultural Experiment Stations, Institute of Food and Agricultural Sciences, University of Florida. Dec 1984. (310). p. 1-8. ill. (NAL Call No.: DNAL 100 F66CI).

0615

Weed, insect, and disease control guide:Asparagus; cucumbers, melons, pampkins, squash; rhubarb. Commercial vegetable.
Waters, Luther Jr. Boldt, Paul F.; Lofgren, John A.; Noetzel, David M.; Pflieger, F. L.; Bissonnette, Howard L. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1981. Outlines herbicide, insecticide and fungicide suggestions for asparagus, cucumbers, melons, pumpkins, squash and rhubarb. 4 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: Ext. Folder 599).

0616

Weed, insect, and disease control guide: beets, carrots, lettuce, onions parsnips, radishes, rutabagas, turnips, spinach.
Waters, Luther Jr. Boldt, Paul F.; Lofgren, John A. ; Noetzel, David M.; Pflieger, F. L.; Bissonnette, Howard L. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1981. Lists herbicides, insecticides and fungicide suggestions for beets, carrots, lettuce, onions, parsnips, radishes, rutabagas, turnips and spinach. 7 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: Ext. Folder 600).

0617

Weed, insect, and disease control guide: cabbage, broccoli, cauliflower, brussels sprouts.
Waters, Luther Jr. Boldt, Paul F.; Lofgren, John A.; Noetzel, David M.; Pflieger, F. L.; Bissonnette, Howard L. & Commercial vegetable. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1981. Lists herbicide, insecticide and fungicide suggestions for cabbage, broccoli, cauliflower and brussels sprouts. 4 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: Ext.Folder 598).

0618

Yield and quality response of crisphead lettuce cultivars to seeding dates and farms in south Florida organic soils.
Guzman, V.L. S.l., The Society. Proceedings of the ... annual meeting of the Florida State Horticultural Society. 1981 (pub. 1982). v. 94. p. 182-185. Includes 8 ref. (NAL Call No.: 81 F66).

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0619

Abnormal conidium development in *Alternaria tenuissima* (Seedborne pathogen of cauliflower).
Mohan, M. Mukerji, K.G. New Delhi, Indian Phytopathological Society. Indian Phytopathology. June 1978 (pub. Jan 1979). v. 31 (2). p. 247-248. ill. 5 ref. (NAL Call No.: 464.8 IN2).

0620

Association of common ragweed with *Sclerotinia* rot of cabbage in New York State.
PLDRA, Dillard, H.R. Hunter, J.E. St. Paul, Minn. : American Phytopathological Society. Plant disease. Jan 1986. v. 70 (1). p. 26-28. ill. Includes 18 references. (NAL Call No.: DNAL 1.9 P69P).

0621

Big vein of lettuce: infection and methods of control (*Oidium brassicae*, parasitic soil fungi, vectors).
Campbell, R.N. Greathead, A.S.; Westerlund, F.V. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1980. v. 70 (8). p. 741-746. 24 ref. (NAL Call No.: 464.8 P56).

0622

Biological control of *Sclerotinia* lettuce drop in the field by *Sporidesmium sclerotivorum* (Abstract only).
Adams, P.B. Ayers, W.A. St. Paul, Minn., American Phytopathological Society. Phytopathology. July 1981. v. 71 (7). p. 764. (NAL Call No.: 464.8 P56).

0623

Biological control of *Sclerotinia* lettuce drop in the field by *Sporidesmium sclerotivorum* (Mycoparasite of *Sclerotinia* minor attacking *Lactuca sativa*, biological control agent).
Adams, P.B. Ayers, W.A. St. Paul, Minn., American Phytopathological Society. Phytopathology. May 1982. v. 72 (5). p. 485-488. Includes 8 ref. (NAL Call No.: 464.8 P56).

0624

Broccoli resistance to downy mildew.
CAGRA, Laemmien, F.F. Mayberry, K.S. Berkeley : The Station. California agriculture - California Agricultural Experiment Station. Nov/Dec 1984. v. 38 (11/12). p. 17. ill. (NAL Call No.: DNAL 100 C12CAG).

0625

Cabbage (Brassica) disorder: clubroot of crucifers (caused by the fungus *Plasmodiophora brassicae*).
Stevenson, W.R.+ Helmann, M.F. Madison, Wis., The Programs. Publication - Cooperative Extension Programs, University of Wisconsin Extension. May 1981. May 1981. (A1128). 2 p. ill. (NAL Call No.: S544.3.W6W53).

0626

Cabbage diseases /L.L. Harter, L.R. Jones.
Harter, L. L. Jones, L. R. 1864-1945. Washington, D.C. : U.S. Dept. of Agriculture, 1918. Cover title.~ "Contribution from the Bureau of Plant Industry.". 30 p. : ill. ; 23 cm. (NAL Call No.: DNAL 1 Ag84F no.925).

0627

Cabbage yellows, caused by *Fusarium* *conglutinans*, in Iowa /I.E. Melhus, A.T. Erwin and Frank Van Haltern.
Melhus, I. E. 1880-. Erwin, A. T. 1874-; Van Haltern, Frank. Ames, Iowa : Agricultural Experiment Station, Iowa State College of Agriculture and Mechanic Arts, 1926. Caption title.~ Bibliography: p. 215-216. p. 188-216 : ill. ; 23 cm. (NAL Call No.: DNAL 100 1o9 no.235).

0628

Cabbage yellows (*Fusarium oxysporum* *conglutinans*) and new hosts of the pathogen in Greece (Wild crucifer hosts).
Thanassouloupoulos, C.C. Kitsos, G.T. Beltsville, Md., Plant Science Research Division, Agricultural Research Service, U.S. Dept. of Agriculture. Plant disease reporter. Dec 1978. v. 62 (12). p. 1051-1053. ill. 8 ref. (NAL Call No.: 1.9 P69P).

0629

Celery stalk rot fungicide trials--spring 1979 (*Rhizoctonia solani*).
Pieczarka, D.J. FL. Belle Glade, Fla., The Center. Belle Glade AREC research report EV.Florida. University. Agricultural Research and Education Center. Oct 1979. Oct 1979. (1979-10). 4 p. ill. (NAL Call No.: 100 F663).

0630

Chemical control of bacterial blight of celery, 1984.
FNETH. Rowe, R.C. Hassell, R.L. s.l. : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1985. v. 40. p. 70. (NAL Call No.: DNAL 464.9 AM31R).

0631

Chemical control of nematodes (*Meloidogyne incognita*, *Trichodorus christiei*, *Criconemoides ornatus*, *Helicotylenchus dihystrera*) and soil-borne plant-pathogenic fungi (*Pythium* spp. and *Fusarium* spp.) on cabbage transplants.
Johnson, A.W. McCarter, S.M. Ames, Iowa, Society of Nematologists. *Journal of nematology*. Apr 1979. v. 11 (2). p. 138-144. ill. 21 ref. (NAL Call No.: QL391.N4J62).

0632

Club-root of cabbage.
Lambe, R.C. McCart, G.D. Blacksburg, Va., The Service. Control series - Virginia Polytechnic Institute. Extension Division. Virginia Polytechnic Institute and State University. Cooperative Extension Service. Jan 1979. Jan 1979. (157). 2 p. ill. (NAL Call No.: SB612.V8V8).

0633

Clubroot-resistant broccoli breeding lines OSU CR-2 to OSU CR-8.
HJHSA. Baggett, J.R. Kean, D. Alexandria, Va. : American Society for Horticultural Science. *HortScience*. Aug 1985. v. 20 (4). p. 784-785. ill. Includes 6 references. (NAL Call No.: DNAL SB1.H6).

0634

Clubroot-resistant cabbage breeding lines Oregon 100, 123, 140, and 142 (*Brassica oleracea*, *Plasmodiophora brassicae*).
Baggett, J.R. HJHSA. Alexandria : American Society for Horticultural Science. *HortScience*. Feb 1983. v. 18 (1). p. 112-114. ill. Includes references. (NAL Call No.: SB1.H6).

0635

Combination versus single fungicides for control of *Septoria (apiicola)* leafspot in celery.
Paulus, A.O. Nelson, J. Berkeley, The Station. California agriculture. California. Agricultural Experiment Station. June 1979. v. 33 (6). p. 15. (NAL Call No.: 100 C12CAG).

0636

Comparison of chemicals used in Virginia for the control of cabbage clubroot, 1980 (*Brassica oleracea* var. *capitata* L. 'Market Prize'), clubroot; *Plasmodiophora brassicae* Wor.).
Kroll, T.K. Moore, L.D.; Lacy, G.H.; Lambe, R.C.; Reilly, T. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p.

56-57. (NAL Call No.: 464.9 AM31R).

0637

Comparison of fungicides for the control of clubroot of cabbage in Virginia, 1980 (*Brassica oleracea* var. *capitata* L. 'Market Prize'), clubroot; *Plasmodiophora brassicae* Wor.).
Kroll, T.K. Lambe, R.C.; Lacy, G.H.; Reilly, T.G. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 56. (NAL Call No.: 464.9 AM31R).

0638

Continuous hours of leaf wetness as a parameter for scheduling fungicide applications to control white rust in spinach.
PLDRA. Dainello, F.J. Jones, R.K. St. Paul, Minn. : American Phytopathological Society. *Plant disease*. Dec 1984. v. 68 (12). p. 1069-1072. Includes 16 references. (NAL Call No.: DNAL 1.9 P69P).

0639

Control of bottom rot of head lettuce with iprodione.
PLDRA. Mahr, S.E.R. Stevenson, W.R.; Sequeira, L. St. Paul, Minn. : American Phytopathological Society. *Plant disease*. June 1986. v. 70 (6). p. 506-509. Includes 8 references. (NAL Call No.: DNAL 1.9 P69P).

0640

Control of cabbage downy mildew in an IPM system, 1981 (*Brassica oleracea* 'Round Dutch'), downy mildew; *Peronospora parasitica*).
Sitterly, W.R. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 64. (NAL Call No.: 464.9 AM31R).

0641

The control of cabbage yellows through disease resistance /L.R. Jones and J.C. Gilman.
Jones, L. R. 1864-1945. Gilman, J. C. 1890-. Madison, Wis. : Agricultural Experiment Station of the University of Wisconsin, 1915. Cover title. 70 p. : ill. ; 23 cm. Bibliography: p. 69-70. (NAL Call No.: DNAL 100 W75 (2) no.38).

(PLANT DISEASES - FUNGAL)

0642

Control of downy mildew of broccoli, 1979 (Broccoli (*Brassica oleracea* var. *botrytis* 'Green Duke'), downy mildew; *Peronospora destructor*).

Lewis, G.D. (s.l.), The Society. Fungicide and nematocidic tests; results - American Phytopathological Society. 1980. v. 35. p. 62. (NAL Call No.: 464.9 AM31R).

0643

Control of drop in Boston lettuce, 1979 (Lettuce (*Lactuca sativa* 'Boston'), drop; *Sclerotinia* sp.).

Farley, J.D. Foor, S.; Keene, C. (s.l.), The Society. Fungicide and nematocidic tests; results - American Phytopathological Society. 1980. v. 35. p. 71-72. (NAL Call No.: 464.9 AM31R).

0644

Control of drop in fall lettuce, 1977-78 (Lettuce (*Lactuca sativa* 'Great Lakes', 'Ithaca'), drop; *Sclerotinia sclerotiorum*).

Potter, H.S. (s.l.), The Society. Fungicide and nematocidic tests; results - American Phytopathological Society. 1980. v. 35. p. 74. (NAL Call No.: 464.9 AM31R).

0645

Control of drop in fall lettuce, 1982 (*Sclerotinia minor*, *Sclerotinia sclerotiorum*, *Lactuca sativa*).

Lewis, G.D.FNETD. (s.l.) : The Society. Fungicide and nematocidic tests : results - American Phytopathological Society. 1983. v. 38. p. 101. (NAL Call No.: 464.9 AM31R).

0646

Control of drop in spring lettuce, 1982 (*Sclerotinia minor* and *Sclerotinia sclerotiorum* on *Lactuca sativa*).

Lewis, G.D.FNETD. (s.l.) : The Society. Fungicide and nematocidic tests : results - American Phytopathological Society. 1983. v. 38. p. 101. (NAL Call No.: 464.9 AM31R).

0647

Control of early blight of celery with fungicides, 1981 (Celery (*Apium graveolens* var. *dulce* 'Florida 683'), early blight; *Cercospora apii*).

Row, R.C. Farley, J.D. (s.l.), The Society. Fungicide and nematocidic tests; results - American Phytopathological Society. 1982. v. 37. p. 66. (NAL Call No.: 464.9 AM31R).

0648

Control of early blight of celery with fungicides, 1982 (*Cercospora apii* on *Apium graveolens* var. *dulce*).

Rowe, R.C.FNETD. Hassell, R.L. (s.l.) : The Society. Fungicide and nematocidic tests : results - American Phytopathological Society. 1983. v. 38. p. 97. (NAL Call No.: 464.9 AM31R).

0649

Control of lettuce drop, fall, 1979 (Lettuce *sativa* 'Mesa 659'), drop; *Sclerotinia* sp.).

Lewis, G.D. (s.l.), The Society. Fungicide and nematocidic tests; results - American Phytopathological Society. 1980. v. 35. p. 73. (NAL Call No.: 464.9 AM31R).

0650

Control of lettuce drop in Oswego County, New York during 1980 (Lettuce (*Lactuca sativa* 'Green Lakes' 'Mesa'), drop; *Sclerotinia minor*).

Lorbeer, J.W. Wymore, L.A.; LoParco, D.P. (s.l.), The Society. Fungicide and nematocidic tests; results - American Phytopathological Society. 1981. v. 36. p. 63. (NAL Call No.: 464.9 AM31R).

0651

Control of lettuce drop in Oswego County, New York, 1979 (Lettuce (*Lactuca sativa* 'Ithaca', 'Minetto'), drop; *Sclerotinia minor*).

Lorbeer, J.W. Wymore, L.A.; LaParco, D.P. (s.l.), The Society. Fungicide and nematocidic tests; results - American Phytopathological Society. 1980. v. 35. p. 73. (NAL Call No.: 464.9 AM31R).

0652

Control of lettuce drop with foliar sprays and transplant drenches: spring, 1981 (Lettuce (*Lactuca sativa* 'Ithaca'), drop; *Sclerotinia minor*, *Sclerotinia sclerotiorum*).

Johnston, S.A. (s.l.), The Society. Fungicide and nematocidic tests; results - American Phytopathological Society. 1982. v. 37. p. 71. (NAL Call No.: 464.9 AM31R).

0653

Control of lettuce drop with foliar sprays, fall 1979 (Lettuce (*Lactuca sativa* 'Ithaca'), drop; *Sclerotinia minor*).

Johnston, S.A. Springer, J.K. (s.l.), The Society. Fungicide and nematocidic tests; results - American Phytopathological Society. 1980. v. 35. p. 72. (NAL Call No.: 464.9 AM31R).

0654

Control of lettuce drop with foliar sprays, Fall, 1980 (Lettuce (*Lactuca sativa* 'Mesa 659'), drop; *Sclerotinia minor*).

Johnston, S.A. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1981. v. 36. p. 62-63. (NAL Call No.: 464.9 AM31R).

0655

Control of lettuce drop with foliar sprays, spring, 1979 (Lettuce (*Lactuca sativa* 'Ithaca'), drop; *Sclerotinia minor*; *Sclerotinia sclerotiorum*).

Johnston, S.A. Springer, J.K. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1980. v. 35. p. 72-73. (NAL Call No.: 464.9 AM31R).

0656

Control of lettuce drop with foliar sprays, spring, 1980 (Lettuce (*Lactuca sativa* 'Ithaca'), drop; *Sclerotinia minor*).

Johnston, S.A. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1981. v. 36. p. 62. (NAL Call No.: 464.9 AM31R).

0657

Control of lettuce drop, 1981 (Lettuce (*Lactuca sativa* 'Mesa 659'), drop; *Sclerotinia minor*).

Lewis, G.D. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1982. v. 37. p. 71-72. (NAL Call No.: 464.9 AM31R).

0658

Control of root rot of spinach caused by *Pythium aphanidermatum* in a recirculating hydroponic system by ultraviolet irradiation.

PLDRA. Stanghellini, M.E. Stowell, L.J.; Bates, M.L. St. Paul, Minn. : American Phytopathological Society. Plant disease. Dec 1984. v. 68 (12). p. 1075-1076. ill. Includes 12 references. (NAL Call No.: DNAL 1.9 P69P).

0659

Controlling downy mildew of lettuce /by A.T. Erwin.

Erwin, A. T. 1874-. Ames, Iowa : Agricultural Experiment Station, Iowa State College of Agriculture and Mechanic Arts, 1921. Caption title. p. 308-328 : ill., charts ; 23 cm. (NAL Call No.: DNAL 100 Io9 no.196).

0660

Controls for two important diseases: black rot, black leg of cabbage (*Phoma lingam*, *Xanthomonas campestris*).

Lambe, R.C. Lacy, G.H. Willoughby, Ohio : Meister Publishing Company. American vegetable grower and greenhouse grower. Mar 1982. v. 30 (3). p. 10, 12. ill. (NAL Call No.: 80 C733).

0661

The cytology and kinetics of cabbage root hair penetration by *Plasmiodiophora brassicae* Wod. / by James Robert Aist. -.

Aist, James Robert, 1945-. 1971. Thesis (Ph.D.)--University of Wisconsin, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. iii, 54 leaves ; 21 cm. Bibliography: leaves 51-54. (NAL Call No.: DISS 71-25,175).

0662

Development of procedures for optimal control of fungal, bacterial, and physiological diseases of lettuce.

Grogan, R.G. Kimble, K.A.; Engler, D.E.; Patterson, C.L.; Waters, C.M. Sacramento, The Board. Iceberg Lettuce Research Program annual report. 1980. 1980. (6th). p. 21-33. ill. (NAL Call No.: SB351.L6I25).

0663

Development of procedures for optimal control of fungal, bacterial, and physiological diseases of lettuce.

Grogan, R.G. Patterson, C.L.; Waters, C.M.; Kimble, K.A.; Roberts, H.; Delp, B.; Engler, D. Sacramento : Iceberg Lettuce Research Advisory Board. Iceberg Lettuce Research Program annual report. Apr 1, 1981/Mar 31, 1982. Apr 1, 1981/Mar 31, 1982. p. 25-35. (NAL Call No.: SB351.L6I25).

0664

Differences in epidemiology and control of lettuce drop caused by *Sclerotinia minor* and *Sclerotinia sclerotiorum*.

PLDRA. Patterson, C.L. Grogan, R.G. St. Paul, Minn. : American Phytopathological Society. Plant disease. Sept 1985. v. 69 (9). p. 766-770. ill. Includes 15 references. (NAL Call No.: DNAL 1.9 P69P).

(PLANT DISEASES - FUNGAL)

0665

Disease control of soft and bottom rot of lettuce (*Erwinia carotovora*, *Rhizoctonia solani*, Hawaii).

Cho, J.U. Honolulu : The Institute. Research extension series - Hawaii Institute of Tropical Agriculture and Human Resources. July 1982. Presented at the Hawaii Lettuce Conference, February, 1981. July 1982. (O19). p. 26-33. (NAL Call No.: S481.R4).

0666

Downy mildew: a fungus disease of lettuce (*Bremia lactucae*).

Paulus, A.O. Hall, D.; Teviotdale, B. Berkeley, Calif., The Service. Leaflet - University of California, Cooperative Extension Service. Nov 1980. Nov 1980. (21177). 1 p. ill. (NAL Call No.: S544.3.C2C3).

0667

Downy mildews of beet and spinach (*Peronospora farinosa betae*, *Peronospora farinosa spinacea*).

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Schneider, R.W. St. Paul, Minn. : American Phytopathological Society. Phytopathology. June 1984. v. 74 (6). p. 646-653. ill. Includes 33 references. (NAL Call No.: 464.8 P56).

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PHYTAJ. Gold, S.E. Stanghellini, M.E. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Mar 1985. v. 75 (3). p. 333-337. ill. Includes 15 references. (NAL Call No.: DNAL 464.8 P56).

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Kroll, T.K. Lacy, G.H.; Moore, L.D.; Lambe, R.C. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1982. v. 37. p. 64. (NAL Call No.: 464.9 AM31R).

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PLDRA. Dainello, F.J. Jones, R.K. St. Paul, Minn. : American Phytopathological Society. Plant disease. Mar 1986. v. 70 (3). p. 240-242. Includes 18 references. (NAL Call No.: DNAL 1.9 P69P).

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Opgenorth, D.C.PHYTA. Endo, R.M. St. Paul : American Phytopathological Society. Phytopathology. May 1983. v. 73 (5). p. 703-708. Includes references. (NAL Call No.: 464.8 P56).

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Cheah, L.H. Corbin, J.B.; Hartill, W.F.T. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 64. (NAL Call No.: 464.9 AM31R).

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MUCBA. Lacy, M.L. Elmer, W.H. East Lansing, Mich. : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. May 1985. (1823). 2 p. ill. (NAL Call No.: DNAL 275.29 M58B).

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Inaba, T. Morinaka, T. St. Paul : American Phytopathological Society. Phytopathology. Feb 1984. v. 74 (2). p. 214-216. ill. Includes references. (NAL Call No.: 464.8 P56).

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O'Brien, M.J. AR-BARC. (s.l., s.n.). Georgia journal of science. June/Sept 1978. v. 36 (3/4). p. 159-162. 5 ref. (NAL Call No.: Q11.G4).

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Lewis, G.D. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 73. (NAL Call No.: 464.9 AM31R).

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McBride, J. SEA-WO-AR-BARC. Washington, D.C., The Administration. Agricultural research - U.S. Department of Agriculture, Science and Education Administration. United States. Dept. of Agriculture. Science and Education Administration. Apr 1980. v. 28 (10). p. 13. ill. (NAL Call No.: 1.98 AG84).

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Yuen, J.E. Lorbeer, J.W. St. Paul, Minn., American Phytopathological Society. Phytopathology. Dec 1981. v. 71 (12). p. 1232-1234. ill. Includes 7 ref. (NAL Call No.: 464.8 P56).

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HJHSA. Chiang, M.S. Crete, R. Alexandria, Va. : American Society for Horticultural Science. HortScience. June 1985. v. 20 (3, section I). p. 457-458. ill. Includes 10 references. (NAL Call No.: DNAL SB1.H6).

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PLDRA. Yuen, J.E. Lorbeer, J.W. St. Paul, Minn. : American Phytopathological Society. Plant disease. Jan 1987. v. 71 (1). p. 63-64. Includes references. (NAL Call No.: DNAL 1.9 P69P).

0728

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Abdel-Rahman, M. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 62. (NAL Call No.: 464.9 AM31R).

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Yuen, J.E. PHYTA. Lorbeer, J.W. St. Paul : American Phytopathological Society. Phytopathology. Feb 1983. v. 73 (2). p. 159-162. ill. 24 ref. (NAL Call No.: 464.8 P56).

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PLDRA. Ramirez-Villupadua, J. Endo, R.M.; Bosland, P.; Williams, P.H. St. Paul, Minn. : American Phytopathological Society. Plant disease. July 1985. v. 69 (7). p. 612-613. Includes 3 references. (NAL Call No.: DNAL 1.9 P69P).

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Paulus, A. Snyder, M. Berkeley, Division of Agricultural Sciences, University of California. California agriculture. Nov 1978. v. 32 (11). p. 12-13. ill. (NAL Call No.: 100 C12CAG).

0732

Occurrence and populations of *Plasmodiophora brassicae* in sediments of irrigation water sources (*Brassica oleracea* var. *capitata*, clubroot of cabbage, farm pond sediments).
Datnoff, L.E. Lacy, G.H.; Fox, J.A. St. Paul, Minn. : American Phytopathological Society. Plant disease. Mar 1984. v. 68 (3). p. 200-203. Includes references. (NAL Call No.: 1.9 P69P).

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0733

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Shokes, F.M. McCarter, S.M. St. Paul, American Phytopathological Society. *Phytopathology*. May 1979. v. 69 (5). p. 510-516. ill. 37 ref. (NAL Call No.: 464.8 P56).

0734

Occurrence of fusarium yellows of celery caused by *Fusarium oxysporum* f. sp. *apii* race 2 in New York and its control.

PLDRA. Awuah, R.T. Lorbeer, J.W.; Ellerbrock, L.A. St. Paul, Minn. : American Phytopathological Society. *Plant disease*. Dec 1986. v. 70 (12). p. 1154-1158. Includes references. (NAL Call No.: DNAL 1.9 P69P).

0735

Occurrence of race 3 of *Peronospora effusa* on spinach in Texas and identification of sources of resistance (*Spinacia oleracea*, blue mold, downy mildew, cultivars).

Jones, R.K. Dainello, F.J. St. Paul, American Phytopathological Society. *Plant disease*. Nov 1982. v. 66 (11). p. 1078-1079. 16 ref. (NAL Call No.: 1.9 P69P).

0736

On the promotion of senescence in *Brassica oleracea* var. *capitata* (cabbage) by *Alternaria brassicicola* (leaf spot) and by *Botrytis cinerea* (gray mold).

Poapst, P.A. Ramsoomair, B.A. Ottawa, National Research Council of Canada. *Canadian journal of botany. Journal canadien de botanique*. Nov 1, 1979. v. 57 (21). p. 2378-2386. ill. 16 ref. (NAL Call No.: 470 C16C).

0737

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Bowers, J.L. AR. Goode, M.J. Fayetteville, The Station. *Arkansas farm research - Arkansas, Agricultural Experiment Station*. Mar/Apr 1980. v. 29 (2). p. 6. (NAL Call No.: 100 AR42F).

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Binning, L.K. Wyman, J.A.; Stevenson, W.R. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. 1983. 1983. (A2357). 4

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0739

Phoma black leg of cabbage / R. C. Lambe & R. Pristou. -.

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0740

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Hamm, P.B. Koepsell, P.A. St. Paul, Minn. : American Phytopathological Society. *Plant disease*. June 1984. v. 68 (6). p. 533-535. ill. Includes references. (NAL Call No.: 1.9 P69P).

0741

Plant diseases: Club root of cabbage and other crucifers.

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Davidson, R.M. Jr. Blyther, R.S. Pullman, Wash., The Service. Extension bulletin - Washington State University, Cooperative Extension Service. Mar 1982. Mar 1982. (1049). 2 p. ill. (NAL Call No.: 275.29 W27P).

0743

Plant pathology fact sheet: cabbage diseases (*Rhizoctonia*, *Peronospora parasitica*, *Xanthomonas campestris*, *Phoma lingam*, *Alternaria brassicae*).

Gay, J.D. Athens, Ga. : The Service. Leaflet - Cooperative Extension Service, University of Georgia. Mar 1984. Mar 1984. (294,rev.). 4 p. ill. (NAL Call No.: 275.29 G29L).

0744

Populations of the spinach wilt pathogen, *Fusarium oxysporum* f. sp. *spinaciae*, in the root tissues, rhizosphere, and soil in the field.

Reyes, A.A. Ottawa. *Canadian journal of microbiology*. Feb 1979. v. 25 (2). p. 227-229. 11 ref. (NAL Call No.: 448.8 C162).

0745

Production of sclerotia of *Sclerotinia minor* on lettuce in the field and their distribution in soil after disking.

PLDRA. Adams, P.B. St. Paul, Minn. : American Phytopathological Society. Plant disease. Nov 1986. v. 70 (11). p. 1043-1046. Includes references. (NAL Call No.: DNAL 1.9 P69P).

0746

Rapid separation of *Sclerotinia minor* sclerotia from artificially and naturally infested organic soil (Drop disease of lettuce).

Abd-Elrazik, A.A. Lorbeer, J.W. St. Paul, Minn., American Phytopathological Society. Phytopathology. Sept 1980. v. 70 (9). p. 892-894. ill. 5 ref. (NAL Call No.: 464.8 P56).

0747

Rates of fungicide application for control of light leaf spot cauliflower, 1980 (Cauliflower (*Brassica oleracea* var. *botrytis* 'Phenomenal Y404'), light leaf spot; *Pyrenopeziza brassicae*).

Cheah, L.H. Hartill, W.F.T.; Corbin, J.B. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 57. (NAL Call No.: 464.9 AM31R).

0748

Reaction of cauliflower cultivars to downy mildew (caused by the fungus *Peronospora parasitica*) in Imperial Valley.

Kontaxis, D.G. Mayberry, K.S. Berkeley, The Station. California agriculture. California. Agricultural Experiment Station. June 1979. v. 33 (6). p. 19. ill. (NAL Call No.: 100 C12CAG).

0749

Reaction of lettuce germ plasm to artificial inoculation with *Sclerotinia minor* under greenhouse conditions.

Abawi, G.S. Robinson, R.W.; Cobb, A.C.; Shail, J.W. St. Paul, Minn., American Phytopathological Society. Plant disease. July 1980. v. 64 (7). p. 668-671. ill. 8 ref. (NAL Call No.: 1.9 P69P).

0750

Relationship between sclerotial spatial pattern and density of *Sclerotinia minor* and the incidence of lettuce drop.

PHYTAJ. Dillard, H.R. Grogan, R.G. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Jan 1985. v. 75 (1). p. 90-94. Includes 25 references. (NAL Call No.: DNAL 464.8 P56).

0751

Relative white rust (*Albugo occidentalis*) resistance and adaptability of spinach varieties in southwest Texas.

Dainello, F.J. Heineman, R.R.; Jones, R.K. College Station, Tex., The Station. PR - Texas Agricultural Experiment Station. June 1981. June 1981. (3878). 7 p. ill. 3 ref. (NAL Call No.: 100 T31P).

0752

Rhizoctonia foliar blight of cabbage in New York State.

PLDRA. Abawi, G.S. Martin, S.B. St. Paul, Minn. : American Phytopathological Society. Plant disease. Feb 1985. v. 69 (2). p. 158-161. ill. Includes 27 references. (NAL Call No.: DNAL 1.9 P69P).

0753

Role of primary and secondary zoospores of *Plasmidiophora brassicae* in the development of clubroot in Chinese cabbage (*Brassica campestris* s. sp. *pekinensis*).

Dobson, R.L. PHYTA. Gabrielson, R.L. St. Paul : American Phytopathological Society. Phytopathology. Apr 1983. v. 73 (4). p. 559-561. Includes references. (NAL Call No.: 464.8 P56).

0754

Root rot of chicory caused by *Phymatotrichum omnivorum* and *Phytophthora cryptogea*.

Stanghellini, M.E. Kronland, W.C. St. Paul, Minn., American Phytopathological Society. Plant disease. Mar 1982. v. 66 c (3). p. 282-283. ill. Includes 3 ref. (NAL Call No.: 1.9 P69P).

0755

Root rot of hydroponically grown spinach caused by *Pythium aphanidermatum* and *Pythium dissotocum*.

Bates, M.L. Stanghellini, M.E. St. Paul, Minn. : American Phytopathological Society. Plant disease. Nov 1984. v. 68 (11). p. 989-991. ill. Includes 10 references. (NAL Call No.: 1.9 P69P).

0756

Root rot of lettuce incited by *Pythium polymastum*.

Coplin, D.L. Schmitthenner, A.F. St. Paul, Minn., American Phytopathological Society. Plant disease. Jan 1980. v. 64 (1). p. 63-66. ill. 11 ref. (NAL Call No.: 1.9 P69P).

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0757

Saving the celery (*Fusarium oxysporum*).
Scheider, R.W. Welch, K.E. Willoughby, Ohio, Meister. American vegetable grower and greenhouse grower. June 1980. v. 28 (6). p. 41-42. (NAL Call No.: 80 C773).

0758

Sclerotinia sclerotiorum, incitant of lettuce drop : sources of inoculum, host resistance, and mechanisms of pathogenesis / by H. Calvin Newton. -.
Newton, H. Calvin, 1942-. 1972. Thesis (Ph.D.)--University of Wisconsin, 1972. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. ix, 135 leaves ; 21 cm. Bibliography: leaves 128-135. (NAL Call No.: DISS 72-4,292).

0759

Search for resistance to downy mildew and the nature of inheritance of resistance (Lettuce cultivars, California).
Zink, F.W. Sacramento, The Board. Iceberg Lettuce Research Program annual report. 1980. 1980. (6th). p. 176-179. (NAL Call No.: SB351.L6I25).

0760

Seed treatment and rainfall in relation to the control of cabbage black-leg /by J.C. Walker.
Walker, J. C. 1893-. Washington, D.C. : U.S. Dept. of Agriculture, 1922. Caption title.~ "March 28, 1922."~ "Professional paper.". 27 p., 2 p. of plates : ill. ; 24 cm. Bibliography: p. 27. (NAL Call No.: DNAL 1 Ag84B no.1029).

0761

Shallow planting and fungicide application to control Rhizoctonia stalk rot of celery (*Fungi, Chlorothalonil*).
Pieczarka, D.J. St. Paul, Minn., American Phytopathological Society. Plant disease. Nov 1981. v. 65 (11). p. 879-880. 9 ref. (NAL Call No.: 1.9 P69P).

0762

Soil water matric potential requirements for root-hair and cortical infection of Chinese cabbage by *Plasmodiophora brassicae* (*Brassica campestris* spp. *pekinensis*).
Dobson, R.PHYTA. Gabrielson, R.L.; Baker, A.S. St. Paul : American Phytopathological Society. Phytopathology. Dec 1982. v. 72 (12). p. 1598-1600. 13 ref. (NAL Call No.: 464.8 P56).

0763

Solar heating and amendments control cabbage yellows.
CAGRA. Villapudua, J.R. Munnecke, D.E. Berkeley, Calif. : The Station. California agriculture - California Agricultural Experiment Station. May/June 1986. v. 40 (5/6). p. 11-13. ill. (NAL Call No.: DNAL 100 C12CAG).

0764

Sources and nature of resistance to downy mildew and turnip mosaic in Chinese cabbage (*Peronospora parasitica*, disease screen, *Brassica campestris*).
Niu, X.K.JOSHB. Leung, H.; Williams, P.H. Alexandria : The Society. Journal of the American Society for Horticultural Science. Sept 1983. v. 108 (5). p. 775-778. ill. Includes references. (NAL Call No.: 81 S012).

0765

Sources of resistance to *Fusarium* yellows of celery in California (*Fusarium oxysporum* *apii*).
Oppenorth, D.C. Endo, R.M. Beltsville, Md., Science and Education Administration, U.S. Dept. of Agriculture. Plant disease reporter. Mar 1979. v. 63 (3). p. 165-169. ill. 4 ref. (NAL Call No.: 1.9 P69P).

0766

Sprays for control of lettuce drop, 1980 (Lettuce (*Lactuca sativa* 'Mesa 659'), drop; *Sclerotinia* sp.).
Lewis, G.D. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 63. (NAL Call No.: 464.9 AM31R).

0767

Studies on host-pathogen interaction of *Plasmodiophora brassicae* Wor. with cabbage cells cultivated in vitro / by Robert Roy Herr. -.
Herr, Robert Roy, 1927-. 1970. Thesis--George Washington University. Photocopy of typescript. Ann Arbor: University Microfilms, 1971. viii, 173 leaves. Bibliography: leaves 161-173. (NAL Call No.: DISS 70-20,073).

0768

Studies on the inheritance of resistance to *Fusarium oxysporum* f. sp. *apii* in celery (Role of dominant allele, disease immunity).
Orton, T.J. Durgan, M.E.; Hulbert, S.D. St. Paul, Minn. : American Phytopathological Society. Plant disease. July 1984. v. 68 (7). p. 574-578. ill. Includes references. (NAL Call No.: 1.9 P69P).

0769

Suppression of Fusarium yellows of celery with potassium, chloride, and nitrate.
PHYTAJ. Schneider, R.W. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Jan 1985. v. 75 (1). p. 40-48. Includes 36 references. (NAL Call No.: DNAL 464.8 P56).

0770

Suppression of lettuce drop caused by Sclerotinia minor with composted sewage sludge.
PLDRA. Lumsden, R.D. Millner, P.D. St. Paul, Minn. : American Phytopathological Society. Plant disease. Mar 1986. v. 70 (3). p. 197-201. ill. Includes 28 references. (NAL Call No.: DNAL 1.9 P69P).

0771

Survival of sclerotia of Sclerotinia sclerotiorum and effects of cultivation practices on disease (Beans and lettuce).
Merriman, P.R. Pywell, M. Oxford, Pergamon Press. Soil biology and biochemistry. 1979. v. 11 (6). p. 567-570. ill. 5 ref. (NAL Call No.: S592.7.A156).

0772

Systemic pesticides for control of downy mildew (Peronospora parasitica) and insects (Peronospora parasitica, Brevicoryne brassicae, Hylemya brassicae) on cabbage transplants grown for seed production.
Gabrielson, R.L. Getzin, L.W. Beltsville, Md., Science and Education Administration, U.S. Dept. of Agriculture. Plant disease reporter. Feb 1979. v. 63 (2). 131-135. ill. 8 ref. (NAL Call No.: 1.9 P69P).

0773

Tan sclerotia of Sclerotinia sclerotiorum from lettuce (Lactuca sativa, culture and pathogenicity).
Garrabrandt, L.E. MYCOA. Johnston, S.A.; Peterson, J.L. Bronx : The New York Botanical Garden. Mycologia. May/June 1983. v. 75 (3). p. 451-456. ill. Includes references. (NAL Call No.: 450 M99).

0774

Thiocyanate ion content in relation to clubroot disease severity in cabbages (by Plasmodiophora brassicae).
Chong, C. Chiang, M.S.; Crete, R. Alexandria, Va., American Society for Horticultural Science. HortScience. Oct 1981. v. 16 (5). p. 663-664. ill. 15 ref. (NAL Call No.: SB1.H6).

0775

Timing fungicidal control of Sclerotinia minor causing drop lettuce grown on organic soils in New York.
PLDRA. Wymore, L.A. Lorbeer, J.W. St. Paul, Minn. : American Phytopathological Society. Plant disease. Dec 1986. v. 70 (12). p. 1134-1138. Includes references. (NAL Call No.: DNAL 1.9 P69P).

0776

Timing of benomyl applications for control of light leaf spot of cauliflower, 1980 (Cauliflower (Brassica oleracea vr. botrytis 'Phenomenal Y404'), light leaf spot; Pyrenopeziza brassicae).
Cheah, L.H. Hartill, W.F.T.; Corbin, J.B. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 57. (NAL Call No.: 464.9 AM31R).

0777

Two Illinois rhubarb diseases /by Frank Lincoln Stevens.
Stevens, Frank Lincoln, 1871-1934. Urbana, Ill. : University of Illinois Agricultural Experiment Station, 1919. Cover title. p. 297-312 : ill. ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 100 I16S no.213).

0778

UC1, fusarium yellows-resistant celery breeding line (Cultivar development, Fusarium oxysporum).
Orton, T.J. Hulbert, S.H.; Durgan, M.E.; Quiros, C.F. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1984. v. 19 (4). p. 594. ill. Includes 2 references. (NAL Call No.: SB1.H6).

0779

The ultrastructure of meiosis in Plasmodiophora brassicae (Plasmodiophorales) (cause of clubroot in cabbage).
Garber, R.C. Aist, J.R. Ottawa, National Research Council of Canada. Canadian journal of botany. Journal canadien de botanique. Nov 15, 1979. v. 57 (22). p. 2509-2518. ill. 21 ref. (NAL Call No.: 470 C16C).

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0780

Use of metham applied through sprinkler irrigation to control lettuce drop caused by *Sclerotinia minor* (Abstract only). Adams, P.B. Krikun, J.; Johnson, S.A.; Carpenter, H.E. St. Paul, Minn., American Phytopathological Society. *Phytopathology*. July 1981. v. 71 (7). p. 764. (NAL Call No.: 464.8 P56).

0781

Virulence factors of *Bremia lactucae* in New York (Downy mildew of lettuce, *Lactuca sativa*). Yuen, J.E. PHYTA. Lorbeer, J.W. St. Paul : American Phytopathological Society. *Phytopathology*. Oct 1982. v. 72 (10). p. 1363-1367. 36 ref. (NAL Call No.: 464.8 P56).

0782

Virulence of *Phoma lingam* to cabbage (Blackleg disease, Fungi). Bonman, J.M. Gabrielson, R.L.; Williams, P.H.; Delwiche, P.A. St. Paul, Minn., American Phytopathological Society. *Plant disease*. Nov 1981. v. 65 (11). p. 865-867. ill. 9 ref. (NAL Call No.: 1.9 P69P).

0783

Yield loss in hydroponically grown lettuce attributed to subclinical infection of feeder rootlets by *Pythium dissotocum*. PLDRA. Stanghellini, M.E. Kronland, W.C. St. Paul, Minn. : American Phytopathological Society. *Plant disease*. Nov 1986. v. 70 (11). p. 1053-1056. ill. Includes references. (NAL Call No.: DNAL 1.9 P69P).

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0784

"Agroinfection," an alternative route for viral infection of plants by using the Ti plasmid. PNASA. Grimsley, N. Hohn, B.; Hohn, T.; Walden, R. Washington, D.C. : The Academy. Proceedings of the National Academy of Sciences of the United States of America. May 1986. v. 83 (10). p. 3282-3286. ill. Includes 34 references. (NAL Call No.: DNAL 500 N21P).

0785

Bacterial black rot of cabbage.
Lambe, R.C. Baldwin, R.E. Blacksburg, Va., The Service. Control series - Virginia Polytechnic Institute. Extension Division. Virginia Polytechnic Institute and State University. Cooperative Extension Service. Jan 1979. Jan 1979. (155). 3 p. ill. (NAL Call No.: SB612.V8V8).

0786

Bacterial diseases of lettuce (Pseudomonas, Xanthomonas, Erwinia, Hawaii).
Alvarez, A.M. Honolulu : The Institute. Research extension series - Hawaii Institute of Tropical Agriculture and Human Resources. July 1982. Presented at the Hawaii Lettuce Conference, February, 1981. July 1982. (019). p. 46-52. (NAL Call No.: S481.R4).

0787

The black rot of the cabbage /by Erwin F. Smith.
Smith, Erwin F. 1854-1927. Washington : U.S. Dept. of Agriculture, 1898. Cover title. 22 p. ; 23 cm. (NAL Call No.: DNAL 1 Ag84F no.68).

0788

Cabbage diseases /L.L. Harter, L.R. Jones.
Harter, L. L. Jones, L. R. 1864-1945. Washington, D.C. : U.S. Dept. of Agriculture, 1918. Cover title. "Contribution from the Bureau of Plant Industry.". 30 p. : ill. ; 23 cm. (NAL Call No.: DNAL 1 Ag84F no.925).

0789

A causative agent of reddening in lettuce.
TKASAT. Wall, R.W. Elliott, L.P. Louisville, K.Y. : The Academy. Transactions of the Kentucky Academy of Science. Nov 1986. v. 47 (3/4). p. 118-120. Includes references. (NAL Call No.: DNAL 500 K41).

0790

Chemical control of bacterial blight of celery, 1984.
FNETD. Rowe, R.C. Hassell, R.L. s.l. : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1985. v. 40. p. 70. (NAL Call No.: DNAL 464.9 AM31R).

0791

Control of Xanthomonas campestris pv. campestris in crucifer seed with slurry treatments of calcium hypochlorite.
PLDRA. Schultz, T. Gabrielson, R.L.; Olson, S. St. Paul, Minn. : American Phytopathological Society. Plant disease. Nov 1986. v. 70 (11). p. 1027-1030. Includes references. (NAL Call No.: DNAL 1.9 P69P).

0792

Development of procedures for optimal control of fungal, bacterial, and physiological diseases of lettuce.
Grogan, R.G. Kimble, K.A.; Engler, D.E.; Patterson, C.L.; Waters, C.M. Sacramento, The Board. Iceberg Lettuce Research Program annual report. 1980. 1980. (6th). p. 21-33. ill. (NAL Call No.: SB351.L6I25).

0793

Development of procedures for optimal control of fungal, bacterial, and physiological diseases of lettuce.
Grogan, R.G. Patterson, C.L.; Waters, C.M.; Kimble, K.A.; Roberts, H.; Delp, B.; Engler, D. Sacramento : Iceberg Lettuce Research Advisory Board. Iceberg Lettuce Research Program annual report. Apr 1, 1981/Mar 31, 1982. Apr 1, 1981/Mar 31, 1982. p. 25-35. (NAL Call No.: SB351.L6I25).

0794

Disease control of soft and bottom rot of lettuce (Erwinia carotovora, Rhizoctonia solani, Hawaii).
Cho, J.J. Honolulu : The Institute. Research extension series - Hawaii Institute of Tropical Agriculture and Human Resources. July 1982. Presented at the Hawaii Lettuce Conference, February, 1981. July 1982. (019). p. 26-33. (NAL Call No.: S481.R4).

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0795

Economically important diseases of lettuce.
PLDRA. Patterson, C.L. Grogan, R.G.; Campbell, R.N. St. Paul, Minn. : American Phytopathological Society. Plant disease. Oct 1986. v. 70 (10). p. 982-987. ill. Includes references. (NAL Call No.: DNAL i.9 P69P).

0796

The effect of raised beds, population densities, and planting date on the incidence of bacterial soft rot in Chinese cabbage.
JDSHB. Fritz, V.A. Honma, S. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Jan 1987. v. 112 (1). p. 41-44. Includes 15 references. (NAL Call No.: DNAL 8i S012).

0797

The effects of nutrient solution sterilization on the growth and yield of hydroponically grown lettuce.
HJHSA. Schwartzkopf, S.H. Dudzinski, D.; Minners, R.S. Alexandria, Va. : American Society for Horticultural Science. HortScience. Oct 1987. v. 22 (5). p. 873-874. Includes references. (NAL Call No.: DNAL SB1.H6).

0798

Evaluation of bacterial soft rot-tolerant crisphead lettuce cultivars in Hawaii (Erwinia carotovora, Lactuca sativa, Sclerotinia sclerotiorum, Rhizoctonia solani).
Cho, J.J. HI. Honolulu, The Station. Technical bulletin - Hawaii Agricultural Experiment Station. July 1979. July 1979. (102). 9 p. 8 ref. (NAL Call No.: 100 H313T).

0799

Evaluation of chemical for control of celery diseases, 1979 (Celery (Apium graveolens var dulce 'Camaro'), early blight; Cercospora apii, late blight; Septoria apii, bacterial blight; Pseudomonas apii).
Potter, H.S. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 57-58. (NAL Call No.: 464.9 AM31R).

0800

Evaluation of fungicide sprays for cabbage black rot control, 1980 (Cabbage (Brassica oleracea, var. capitata 'C-G'), black rot; Xanthomonas campestris).
Alvarez, A.M. Horl, T.M. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 55-56. (NAL Call No.: 464.9 AM31R).

0801

Fall 1979 chemical control trials for celery bacterial blight, early blight and stalk rot (Pseudomonas cichorii, Cercospora apii, Rhizoctonia solani).
Pieczarka, D.J. Belle Glade, Fla., The Center. Belle Glade AREC research report; EV - Florida University, Agricultural Research and Education Center. Apr 1981. Apr 1981. (1980-6). 5 p. (NAL Call No.: 100 F663).

0802

Genetics and physiology of black rot resistance in cabbage / by Theodor Staub. -
Staub, Theodor H. (Theodor Heinrich), 1941-. 1971. Thesis (Ph.D)--University of Wisconsin, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. v1, 68 leaves ; 21 cm. Includes bibliographies. (NAL Call No.: DISS 71-25,506).

0803

Growth and movement of Xanthomonas campestris in natural fluids of cabbage.
Zoller, Broc Gerald. Ann Arbor, Mich. University Microfilms 1973. Thesis--University of California, Davis, 1972. iv, 77 leaves. Bibliography: leaves 70-72. (NAL Call No.: DISS 73-16,941).

0804

Inheritance of resistance in cabbage seedlings to black rot.
HJHSA. Dickson, M.D. Hunter, J.E. Alexandria, Va. : American Society for Horticultural Science. HortScience. Feb 1987. v. 22 (i). p. 108-109. Includes references. (NAL Call No.: DNAL SB1.H6).

0805

Linear furocoumarin accumulation in celery plants infected with Erwinia carotovora pv. carotovora.
JAFAU. Surico, G. Varvaro, L.; Solfrizzo, M. Washington, D.C. : American Chemical Society. Journal of agricultural and food chemistry. May/June 1987. v. 35 (3). p. 406-409. Includes references. (NAL Call No.: DNAL 381 J8223).

0806

Plant pathology fact sheet: cabbage diseases (Rhizoctonia, Peronospora parasitica, Xanthomonas campestris, Phoma lingam, Alternaria brassicae).
Gay, J.D. Athens, Ga. : The Service. Leaflet - Cooperative Extension Service, University of Georgia. Mar 1984. Mar 1984. (294,rev.). 4 p. ill. (NAL Call No.: 275.29 G29L).

0807

The relation of extracellular polysaccharide of xanthomonas campestris to xylem plugging and lesion development in black rot of cabbage.

Sutton, John Clifford, 1941-. Ann Arbor, Mich. University Microfilms 1971. Thesis--University of Wisconsin, 1969. vii, 66 leaves. Includes bibliographies. (NAL Call No.: DISS 70-3,720).

0808

Relationship of incidence of seedborne Xanthomonas campestris to black rot of crucifers (Cabbage, broccoli).

Schaad, N.W. Sitterly, W.R. St. Paul, Minn., American Phytopathological Society. Plant disease. Jan 1980. v. 64 (1). p. 91-92. ill. 15 ref. (NAL Call No.: 1.9 P69P).

0809

Soft rot of crisphead lettuce incited by Erwinia carotovora subsp. carotovora in Hawaii (Lactuca sativa).

Cho, J.J. PHYTA. St. Paul : American Phytopathological Society. Phytopathology. Aug 1983. v. 73 (8). p. 1206-1209. Includes references. (NAL Call No.: 464.8 P56).

0810

Spiroplasmas from plants with aster yellows disease and X-disease: isolation and transmission by leafhoppers (Spiroplasma citri, Macrosteles severini, Plantago, celery, cherries, peaches).

Raju, B.C. Purcell, A.H.; Nyland, G. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Aug 1984. v. 74 (8). p. 925-931. ill. Includes 32 references. (NAL Call No.: 464.8 P56).

0811

Yellows-resistant cabbage varieties in the Danish Ballhead-Hollander group /by J.C. Walker ... et al. .

Walker, J. C. 1893-. Washington, D.C. : U.S. Dept. of Agriculture, 1948. Caption title. 12 p. : ill. ; 23 cm. Bibliography: p. 12. (NAL Call No.: DNAL 1 Ag84C no.776).

0812

Yellows-resistant varieties of cabbage in the early and midseason roundhead groups /by J.C. Walker and J.P. Jolivet.

Walker, J. C. 1893-. Jolivet, James Peter, 1915-. Washington, D.C. : U.S. Dept. of Agriculture, 1948. Caption title. 20 p. : ill. ; 23 cm. Bibliography: p. 20. (NAL Call No.: DNAL 1 Ag84C no.775).

PLANT DISEASES - VIRAL

0813

"Agroinfection," an alternative route for viral infection of plants by using the Ti plasmid.
PNASA. Grimsley, N. Hohn, B.; Hohn, T.; Walden, R. Washington, D.C. : The Academy. Proceedings of the National Academy of Sciences of the United States of America. May 1986. v. 83 (10). p. 3282-3286. ill. Includes 34 references. (NAL Call No.: DNAL 500 N21P).

0814

Association of double-stranded ribonucleic acids with lettuce big vein disease.
PHYTAU. Mirkov, T.E. Dodd, J.A. St. Paul, Minn. : American Phytopathological Society. Phytopathology. June 1985. v. 75 (6). p. 631-635. Includes 19 references. (NAL Call No.: DNAL 464.8 P56).

0815

Big vein of lettuce: infection and methods of control (*Olpidium brassicae*, parasitic soil fungi, vectors).
Campbell, R.N. Greathead, A.S.; Westerlund, F.V. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1980. v. 70 (8). p. 741-746. 24 ref. (NAL Call No.: 464.8 P56).

0816

The biology of cauliflower mosaic virus and its possible use as a recombinant DNA vector (Infection, genetic material).
Daubert, S.D. Shephard, R.J. Columbia, Mo. : The University, 1983. Current topics in plant biochemistry and physiology, 1983 : proceedings, inaugural Plant Biochemistry and Physiology Symposium held, Univ. Missouri-Columbia, 7-9 April 1982 / editorial committee: D.D. Randall ... (et al.). v. 1 p. 156-162. ill. Includes 12 references. (NAL Call No.: QK861.P55 1982).

0817

Cauliflower mosaic virus: a potential vector for plant genetic engineering.
Hohn, B. Hohn, T. New York : Academic Press, c1982. Molecular biology of plant tumors / edited by Gunter Kahl and Josef S. Schell. p. 549-560. ill. 2 p. ref. (NAL Call No.: SB741.5.M64).

0818

Cauliflower mosaic virus aphid transmission factor protein is expressed in cells infected with some aphid nontransmissible isolates.
VIRLA. Harker, C.L. Woolston, C.J.; Markham, P.G.; Maule, A.J. Duluth, Minn. : Academic Press. Virology. Sept 1987. v. 160 (1). p. 252-254. ill. Includes references. (NAL Call No.: DNAL 448.8 V81).

0819

Cauliflower mosaic virus coat protein is phosphorylated in vitro by a virion-associated protein kinase.
PNASA. Martinez-Izquierdo, J. Hohn, T. Washington, D.C. : The Academy. Proceedings of the National Academy of Sciences of the United States of America. Apr 1987. v. 84 (7). p. 1824-1828. ill. Includes references. (NAL Call No.: DNAL 500 N21P).

0820

Cauliflower mosaic virus DNA as a possible gene vector for higher plants.
Hull, R. New York : Praeger, 1981. Genetic engineering in the plant sciences / edited by Nicholas J. Panopoulos. p. 99-109. ill. 34 ref. (NAL Call No.: QK981.5.G46).

0821

Cauliflower mosaic virus DNA in the elaboration of gene vectors in plants.
Menissier, J. Pfeiffer, P.; Lebourier, G.; Guilley, H.; Lacroute, F. Cold Spring Harbor, N.Y. : Cold Spring Harbor Laboratory, c1983. Plant infectious agents : viruses, viroids, virusoids, and satellites / edited by H.D. Robertson ... (et al.). p. 44-48. ill. Includes references. (NAL Call No.: SB736.P56).

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Misaghi, I.J. Matyac, C.A.; Grogran, R.G. St.
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MISCELLANEOUS PLANT DISORDERS

0979

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Ormrod, D.P.HJHSA. Tingey, D.T.; Gumpertz, M. Alexandria : American Society for Horticultural Science. HortScience. Dec 1983. v. 18 (6,sec.1). p. 896-898. Includes references. (NAL Call No.: SB1.H6).

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Komives, T. Casida, J.E. New York, Academic Press. Pesticide biochemistry and physiology. Oct 1982. v. 18 (2). p. 191-196. ill. 23 ref. (NAL Call No.: SB951.P49).

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JAFCAU. Hughes, P.R. Weinstein, L.H.; Wettlaufer, S.H.; Chiment, J.U.; Doss, G.J.; Culliney, T.W.; Gutenmann, W.H.; Bache, C.A.; Lisk, D.J. Washington, D.C. : American Chemical Society. Journal of agricultural and food chemistry. Jan/Feb 1987. v. 35 (1). p. 50-54. Includes references. (NAL Call No.: DNAL 381 J8223).

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JOSH. Siriphanich, J. Kader, A.A. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Mar 1985. v. 110 (2). p. 249-253. ill. Includes 27 references. (NAL Call No.: DNAL 81 S012).

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JEVQAA. Dlzyk, D.M. Bytnerowicz, A.; Kats, G.; Dawson, P.J.; Wolf, J.; Thompson, C.R. Madison, Wis. : American Society of Agronomy. Journal of environmental quality. Oct/Dec 1986. v. 15 (4). p. 363-369. Includes references. (NAL Call No.: DNAL QH540.J6).

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Effects of trace element stress on the morphology of developing seedlings of lettuce (*Lactuca sativa* L. Grand Rapids) as shown by scanning electron microscopy.

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Shivas, S.A.J. Easton, Pa., The Association. The Journal of the American Leather Chemists Association. Aug 1980. v. 75 (8). p. 288-299. 18 ref. (NAL Call No.: 303.9 AM32).

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HJHSA. Kahn, B.A. Conway, K.E.; Fisher, C.G. Alexandria, Va. : American Society for Horticultural Science. HortScience. Oct 1986. v. 21 (5). p. 1136-1139. Includes references. (NAL Call No.: DNAL SB1.H6).

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Jaworski, C.A. AR-S0. Phatak, S.C.; McCarter, S.M.; Johnson, A.W.; Glaze, N.C. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. Sept 1980. v. 105 (5). p. 756-759. 17 ref. (NAL Call No.: 81 S012).

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Grabowski, J.M. Hopen, H.J. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. July 1984. v. 109 (4). p. 539-543. Includes references. (NAL Call

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No.: 81 S012).

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Barltrop, J.JESED. Martin, D.F. New York : Marcel Dekker. Journal of environmental science and health. Part A. Environmental science and engineering. 1983. v. 18 (1). p. 29-36. ill. Includes references. (NAL Call No.: TD172.J6).

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Nelson, D.W. Liu, S.L.; Sommers, L.E. Madison, Wis. : American Society of Agronomy. Journal of environmental quality. Oct/Dec 1984. v. 13 (4). p. 562-566. Includes 12 references. (NAL Call No.: QH540.J6).

1003

Frost desiccation: an osmotic model (Wheat, cabbage, economic plants, hardiness, freeze injuries).
Williams, R.J. Boca Raton, Fla., CRC Press. Analysis and improvement of plant cold hardiness. 1981. 1981. p. 89-115. 7 ref. (NAL Call No.: SB781.A52).

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Huber, S.C. Maury, W.J.; Moreland, D.E. Rockville, Md., American Society of Plant Physiologists. Plant physiology. Apr 1981. Abstract only. v. 67 (4). p. 106. (NAL Call No.: 450 P692).

1005

Growth and cadmium uptake by lettuce and radish fertilized with cadmium, zinc, and sewage sludge.
Hortenstine, C.C. n.p., The Society. Proceedings - Soil and Crop Science Society of Florida. 1980. v. 39. p. 58-62. 12 ref. (NAL Call No.: 56.9 S032).

1006

Growth inhibitors from grasses: HPLC (high pressure liquid chromatography) of phenolics (Lolium perenne, Festuca arundinaceae, in lettuce seed bioassay).
Madhusudana Rao, M.PPGD. Buta, J.G. Lake Alfred : The Society. Proceedings annual meeting - Plant Growth Regulator Society of America. 1983. 1983. (10th). p. 43-48. Includes references. (NAL Call No.: SB128.P5).

1007

Growth response in spinach to sequential and simultaneous exposure to NO₂ (nitrogen dioxide) and SO₂ (Sulfur dioxide, pollution, Spinacia oleracea).
Hogsett, W.E. Gumpertz, M.L.; Holman, S.R.; Tingey, D.T. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Mar 1984. v. 109 (2). p. 252-256. ill. Includes references. (NAL Call No.: 81 S012).

1008

Herbicide response under row covers to celery growth on muck soils.
Hassell, R. Peoria, Ill. : National Agricultural Plastics Association. Proceedings of the ... National Agricultural Plastics Congress. 1983. (17th). p. 28-30. Includes references. (NAL Call No.: DNAL 309.9 N216).

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Palzkill, D.A. Tibbitts, T.W.; Struckmeyer, B.E. Alexandria, Va., American Society for Horticultural Science. HortScience. Oct 1980. v. 15 (5). p. 659-660. 14 ref. (NAL Call No.: SB1.H6).

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JOSH.B. Rousos, P.A. Harrison, H.C. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Nov 1987. v. 112 (6). p. 928-931. Includes references. (NAL Call No.: DNAL 81 S012).

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An influence of water stress at different growth stages on yield and quality of lettuce seed.
Izzeldin, H. Lippert, L.F.; Takatori, F.H. Mount Vernon, Va., The Society. Journal of the American Society for Horticultural

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Science. American Society for Horticultural Science. Jan 1980. v. 105 (1). p. 68-71. ill. 14 ref. (NAL Call No.: 81 S012).

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Bugg, M.W. Whitmarsh, J.; Rieck, C.E.; Cohen, W.S. Bethesda, Md., American Society of Plant Physiologists. Plant physiology. Jan 1980. v. 65 (1). p. 47-50. ill. 24 ref. (NAL Call No.: 450 P692).

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Interaction of a phenolic inhibitor with photosystem II particles (Spinach, Chlamydomonas reinhardtii, photosynthesis, herbicide).

Johanningmeier, U. JBBID. Neumann, E.; Oettmeier, W. New York: Plenum Press. Journal of bioenergetics and biomembranes. 1983. v. 15 (2). p. 43-66. ill. Includes references. (NAL Call No.: QH511.A1J68).

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A kinetics model for the absorption of 2,4-D acid and butoxyethanol ester into cabbage (Brassica oleracea L.) cotyledons.

PCBPB. Bucholtz, D.L. Hess, F.D. Duluth, Minn.: Academic Press. Pesticide biochemistry and physiology. May 1987. v. 28 (1). p. 1-8. Includes references. (NAL Call No.: DNAL SB951.P49).

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Elseewi, A.A. Page, A.L. Madison, Wis.: American Society of Agronomy. Journal of environmental quality. July/Sept 1984. v. 13 (3). p. 394-398. ill. Includes references. (NAL Call No.: QH540.J6).

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Pesticide effects on the plant cuticle. IV. The effect of EPTC on the permeability of cabbage, bean, and sugarbeet cuticle (in wax development).

Flore, J.A. Bukovac, M.J. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. Mar 1981. v. 106 (2). p. 189-193. ill. 27 ref. (NAL Call No.: 81 S012).

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Sances, F.V. Toscano, N.C.; Johnson, M.W.; LaPre, L.F. Berkeley, Calif., The Station. California agriculture - California Agricultural Experiment Station. Nov/Dec 1981. v. 35 (11/12). p. 4-5. ill. (NAL Call No.: 100 C12CAG).

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Physical injury to crisphead lettuce during box closing.

Hinsch, R.T. AR-W. Rij, R.E. Alexandria, Va., American Society for Horticultural Science. HortScience. Oct 1980. v. 15 (5). p. 657-658. ill. 6 ref. (NAL Call No.: SB1.H6).

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Possible allelopathic constituents of Coffea arabica (phytotoxicity to lettuce).

Chou, C.H. Waller, G.R. New York, Plenum Press. Journal of chemical ecology. May 1980. v. 6 (3). p. 643-653. ill. 8 ref. (NAL Call No.: QD415.A1J6).

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Precision and accuracy of visual foliar injury assessments (Bean, pea, radish, spinach, air pollution).

Gumpertz, M.L. Tingey, d.T.; Hogsett, W.E. Madison, Wis., American Society of Agronomy. Journal of environmental quality. July/Sept 1982. v. 11 (3). p. 549-553. 18 ref. (NAL Call No.: QH540.J6).

1021

Protecting lettuce plants from preemergence herbicide damage.

Kratky, B.A. Nakano, R.T. Honolulu, The Institute. Research extension series - University of Hawaii, Hawaii Institute of Tropical Agriculture and Human Resources. Oct 1980. Oct 1980. (OO1). 7 p. ill. (NAL Call No.: S481.R4).

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Response of early-maturing cabbage (Brassica oleracea L.) varieties to metolachlor.

PNWSB. Bellinder, R.R. Senesac, A.F.; Wilcox-Lee, D.; Warholic, D.T. Beltsville, Md.: The Society. Proceedings of the ... annual meeting - Northeastern Weed Science Society. 1987. v. 41. p. 137. (NAL Call No.: DNAL 79.9 N814).

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1023

A study of the level of product damage from present day methods of loading at shipping point of field packed, unwrapped crisp head lettuce.

Williams, D.M. Sacramento, Calif. : Iceberg Lettuce Research Advisory Board. Iceberg Lettuce Research Program annual report. Apr 1, 1985/Mar 31, 1986. p. 122-130. ill. (NAL Call No.: DNAL SB351.L6I25).

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Tolerances of several cole crops to pre and postemergence herbicides on mineral soils.

Stall, W.M. Locascio, S.J.; Shuler, K.D.; Llewellyn, W. s.l. : The Society. Proceedings of the ... annual meeting of the Florida State Horticulture Society. 1986 (pub. 1987). v. 99. p. 362-365. Includes references. (NAL Call No.: DNAL SB319.2.F6F56).

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Kratky, B.A. Ko, W.H. Alexandria, Va., American Society for Horticultural Science. HortScience. Feb 1980. v. 15 (1). p. 75. ill. 4 ref. (NAL Call No.: SB1.H6).

1026

Transplant quality and metal concentrations in vegetable transplants grown in media containing sewage sludge compost (Tomato, cabbage, phytotoxicity).

Sterrett, S.B. HUHSA. Chaney, R.L.; Reynolds, C.W.; Schales, F.D.; Douglass, L.W. Alexandria : American Society for Horticultural Science. HortScience. Dec 1982. v. 17 (6). p. 920-922. ill. 16 ref. (NAL Call No.: SB1.H6).

1027

Utilization of a response-surface technique in the study of plant responses to ozone and sulfur dioxide mixtures (Lettuce, garden peas, radishes, foliar injuries of pollutants).

Ormod, D.P. Tingey, D.T.; Gumpertz, M.L.; Olszyk, D.M. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. May 1984. v. 75 (1). p. 43-48. ill. Includes 24 references. (NAL Call No.: 450 P692).

PROTECTION OF PLANT PRODUCTS - GENERAL AND MISC.

1028

Controlled atmosphere effects on the pathogenicity of fungi on celery and on the growth of *Botrytis cinerea*.
HJHSA. Reyes, A.A. Smith, R.B. Alexandria, Va. : American Society for Horticultural Science. HortScience. Oct 1986. v. 21 (5). p. 1167-1169. Includes references. (NAL Call No.: DNAL SB1.H6).

1029

Cracking and energy dissipation in cabbages (Textural characteristics, postharvest injury).
Holt, J.E.JTXSB. Schoorl, D. Westport : Food & Nutrition Press. Journal of texture studies. 1983. v. 14 (2). p. 99-111. Includes references. (NAL Call No.: TP156.R45J6).

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Cultivar and growing season effects on cabbage head development and weight loss during storage (Head shape, core length, water loss, Louisiana).
Sundstrom, F.J. Story, R.N. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1984. v. 19 (4). p. 589-590. Includes 9 references. (NAL Call No.: SB1.H6).

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Disorders in crisphead lettuce shipments to the New York market, 1972-1984.
PLDRA. Ceponis, M.J. Cappellini, R.A.; Lightner, G.W. St. Paul, Minn. : American Phytopathological Society. Plant disease. Nov 1985. v. 69 (11). p. 1016-1020. Includes 12 references. (NAL Call No.: DNAL 1.9 P69P).

1032

Effect of oxygen, carbon dioxide, and carbon monoxide on celery in storage.
HJHSA. Reyes, A.A. Smith, R.B. Alexandria, Va. : American Society for Horticultural Science. HortScience. Apr 1987. v. 22 (2). p. 270-271. Includes references. (NAL Call No.: DNAL SB1.H6).

1033

Effects of calcium and auxin on russet spotting and phenylalanine ammonia-lyase activity in iceberg lettuce.
HJHSA. Ke, D. Saltveit, M.E. Jr. Alexandria, Va. : American Society for Horticultural Science. HortScience. Oct 1986. v. 21 (5). p. 1169-1171. ill. Includes references. (NAL Call No.: DNAL SB1.H6).

1034

Identifying and reducing harmful ethylene level in commercial handling practices causing Russet Spotting in iceberg lettuce.
Kasmire, R.F. Saltveit, M.; Williams, D.M. Sacramento, Calif. : Iceberg Lettuce Research Advisory Board. Iceberg Lettuce Research Program annual report. Annual report: April 1, 1983-March 31, 1984. 1984. B. 141-150. ill. (NAL Call No.: DNAL SB351 L6125).

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Identifying and reducing harmful ethylene levels in commercial handling practices causing russet spotting in iceberg lettuce.
Kasmire, R.F. Williams, D.M. Sacramento : Iceberg Lettuce Research Advisory Board. Iceberg Lettuce Research Program annual report. Apr 1, 1981/Mar 31, 1982. Apr 1, 1981/Mar 31, 1982. p. 117-123. (NAL Call No.: SB351.L6125).

1036

Increased furocoumarin content of celery during storage.
JAFCAU. Chaudhary, S.K. Ceska, O.; Warrington, P.J.; Ashwood-Smith, M. Washington, D.C. : American Chemical Society. Journal of agricultural and food chemistry. Nov/Dec 1985. v. 33 (6). p. 1153-1157. ill. Includes references. (NAL Call No.: DNAL 381 J8223).

1037

Market diseases of asparagus, onions, beans, peas, carrots, celery, and related vegetables / by Marion A. Smith, Lacy P. McColloch, and Bernard A. Friedman .
Smith, M. A. 1897-. McColloch, Lacy Porter, 1907-; Friedman, B. A. 1909-; Ramsey, Glen B. 1889-. Washington, D.C. : U.S. Dept. of Agriculture, Agricultural Research Service, Market Quality Research Division, 1966. Revision of and supersedes Market diseases of fruits and vegetables: asparagus, onions, beans, peas, carrots, celery, and related vegetables, by G.B. Ramsey and J.S. Wiant, issued as U.S. Dept. of Agriculture. Miscellaneous publication no. 440. iv, 65 p. : 17 plates (part col.) ; 24 cm. Bibliography: p. 56-65. (NAL Call No.: DNAL 1 Ag84Ah no.303).

1038

Market diseases of cabbage, cauliflower, turnips, cucumbers, melons, and related crops / Glen B. Ramsey and M.A. Smith .
Ramsey, Glen B. 1889-. Smith, Marion Ashton. Washington, D.C. : U.S. Dept. of Agriculture, Agricultural Marketing Service, Market Quality Research Division, 1961. 49 p., 24 p. of plates : ill. (some col.) ; 23 cm. Bibliography: p. 45-49. (NAL Call No.: DNAL 1 Ag84Ah no.184).

(PROTECTION OF PLANT PRODUCTS - GENERAL AND MISC.)

1039

**Market diseases of fruits and vegetables
asparagus, onions, beans, peas, carrots,
celery, and related vegetables /by Glen B.
Ramsey and James S. Wiant.**

Ramsey, Glen B. 1889-. Wiant, James S. 1900-.
Washington, D.C. : U.S. Dept. of Agriculture,
1941. Cover title. - "September 1941.". 70 p.,
15 leaves of plates : ill. (some col.) ; 23
cm. Bibliography: p. 60-70. (NAL Call No.: DNAL
i Ag84M no.440).

1040

**Regeneration of plants from axillary buds of
harvested and stored heads of field-grown
iceberg lettuce.**

HJHSA. Bloksberg, L.N. Saltveit, M.E. Jr.
Alexandria, Va. : American Society for
Horticultural Science. HortScience. Oct 1986.
v. 21 (5). p. 1201-1203. ill. Includes
references. (NAL Call No.: DNAL SB1.H6).

1041

**Stress metabolites of plants - A growing
concern.**

Wood, Garnett E. Ames, Iowa, International
Association of Milk, Food, and Environmental
Sanitarians. Abstract: The concentration of
certain compounds that are natural constituents
of plants may increase to toxic levels under
various stress conditions. The stress compounds
produced in the following plants consumed
directly in the United States are discussed:
green beans; lima beans; broad beans; lentils;
garden peas; soybeans; alfalfa; groundnuts;
cowpeas; sugar beets; grapes and grapevine
leaves; parsnips; parsley; celery; safflower;
and mulberry plants. A multidisciplinary effort
is needed to establish a monitoring system for
stress compounds in food. Many plants have not
yet been investigated and little consideration
has been given to environmental stress from
temperature, rainfall, agronomic practices,
etc. In-depth toxicological studies are needed.
Journal of food protection. June 1979. v. 42
(6). p. 496-501,475. ill. 68 ref.

1042

**1978 sauerkraut seminar (Includes cabbage and
cucumber fermentation, processing, lead
contamination, cabbage varieties, markets).**

Downing, D.L. (ed.). Geneva. Special report New
York (State). Agricultural Experiment Station,
Geneva. Dec 1978. Dec 1978. (30). 17 p. ill.
(NAL Call No.: S95.E24).

PROTECTION OF PLANT PRODUCTS - INSECTS

1043

Acetaldehyde--a potential fumigant for control of the green peach aphid (*Myzus persicae*) on harvested head lettuce.

Aharoni, Y. Stewart, J.K. College Park, Md., Entomological Society of America. Journal of economic entomology. Aug 15, 1979. v. 72 (4). p. 493-495. ill. 11 ref. (NAL Call No.: 421 J822).

1044

Commercial-scale vacuum fumigation with ethyl formate for postharvest control of the green peach aphid (Homoptera: Aphididae) on film-wrapped lettuce (*Myzus persicae*).

Stewart, J.K. Mon, T.R. College Park, Md. : Entomological Society of America. Journal of economic entomology. June 1984. v. 77 (3). p. 569-573. Includes references. (NAL Call No.: 421 J822).

1045

Effects of storage at 1.1 degrees Celsius on the mortality of *Liriomyza trifolii* (Burgess) (Diptera:Agromyzidae) life stages in celery.

JEENAI. Leibee, G.L. College Park, Md. : Entomological Society of America. Journal of economic entomology. Apr 1985. v. 78 (2). p. 407-411. Includes references. (NAL Call No.: DNAL 421 J822).

1046

Vacuum fumigation with ethyl formate to control the green peach aphid in packaged head lettuce (*Myzus persicae*).

Stewart, J.K.JOSHB. Aharoni, Y. Alexandria : The Society. Journal of the American Society for Horticultural Science. Mar 1983. v. 108 (2). p. 295-298. ill. Includes references. (NAL Call No.: 81 S012).

1047

Characterization of SAN 9789-stimulated lettuce (*Lactuca sativa*) seed germination.
WEESA6. Widell, K.O. Sundqvist, C.; Virgin, H.I. Champaign, Ill. : Weed Science Society of America. Weed science. Mar 1985. v. 33 (2). p. 160-164. ill. Includes 18 references. (NAL Call No.: DNAL 79.8 W41).

1048

Chemical weed control in transplanted cabbage.
Gilreath, J.P. Gilreath, P.R. s.l. : The Society. Proceedings of the ... annual meeting of the Florida State Horticulture Society. 1986 (pub. 1987). v. 99. p. 339-342. Includes references. (NAL Call No.: DNAL SB319.2.F6F56).

1049

Chicory control and eradication /Albert A. Hansen.
Hansen, Albert A. 1891-1940. Washington, D.C. : U.S. Dept. of Agriculture, 1920. "Contribution from the Bureau of Plant Industry (Office of Forage-Crop Investigations)". 4 p. : ill. ; 23 cm. (NAL Call No.: DNAL 1 Ag84D no.108).

1050

Concentrations of the herbicides propyzamide, chlorpropham, and of their metabolites in soil and lettuce under field conditions.
BECTA. Rouchaud, J. Moons, C.; Benoit, F.; Ceustermans, N.; Maraitte, H. New York, N.Y. : Springer-Verlag. Bulletin of environmental contamination and toxicology. Feb 1987. v. 38 (2). p. 240-246. Includes references. (NAL Call No.: DNAL RA1270.P35A1).

1051

Control of southern celery mosaic in Florida by removing weeds that serve as sources of mosaic infection F.L. Wellman. -.
Wellman, F. L. (Frederick Lovejoy). Washington, D.C. U.S. Dept. of Agriculture 1937. 16 p. : ill. --. Bibliography: p. 16. (NAL Call No.: Fiche S-69 no.548).

1052

Diphenyl ether herbicides remarkably elevate the content in *Spinacia oleracea* of (E)-3-(4-hydroxy-3-methoxyphenyl)-N-(2-(4-hydroxy-3-methoxyphenyl)ethyl)-2-propenamide (Herbicidal action on spinach).
Suzuki, T. Holden, I.; Casida, J.E. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Sept/Oct 1981. v. 29 (5). p. 992-995. ill. 10 ref. (NAL Call No.: 381 J8223).

1053

The effect of asulam (Herbicide) on the growth of tissue cultures of celery (Inhibitory action).
Watts, M.J. Collin, H.A. Oxford. Weed research. Feb 1979. v. 19 (1). p. 33-37. ill., plate. 19 ref. (NAL Call No.: 79.8 W412).

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The effect of asulam on the growth of tissue cultures of celery.
Watts, M.J. Collin, H.A. Oxford, Blackwell Scientific Publications. Weed research. Feb 1979. v. 19 (1). p. 33-37. ill., plate. 19 ref. (NAL Call No.: 79.8 W412).

1055

Effect of CDEC (2-chloroallyl diethyldithiocarbamate) and amount of water carrier on crisphead lettuce yield, quality and weed control.
Guzman, V.L. Dusky, J.A. s.l., The Society. Proceedings of the ... annual meeting of the Florida State Horticultural Society. 1980 (pub. 1981). v. 93. p. 271-273. 3 ref. (NAL Call No.: 81 F66).

1056

Effect of preemergence and rope wick applications of glyphosate on rhubarb.
HJHSA. Creager, R.A. Alexandria, Va. : American Society for Horticultural Science. HortScience. Feb 1985. v. 20 (1). p. 125-126. ill. Includes 12 references. (NAL Call No.: DNAL SB1.H6).

1057

The effect of rates of CDEC on the extractable residue in lettuce and radishes (Preemergence weed control).
Thompson, N.P. Bardalaye, P.C.; Guzman, V.L. s.l., The Society. Proceedings of the ... annual meeting of the Florida State Horticultural Society. June 1, 1980. v. 92. p. 116-117. 1 ref. (NAL Call No.: 81 F66).

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FOOD CONTAMINATION, DAIRY

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FOOD CONTAMINATION, HORTICULTURAL CROP

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The effect of benomyl, sodium hypochlorite, and controlled atmospheres upon the incidence of black speck of stored cabbage (Fungicides).

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HUMAN NUTRITION

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Women, birth control and nutrition. Perennial Education. -

Highland Park, IL. Perennial Education 1979.

Abstract: It is important for women to recognize that the use of either birth control pills or an intrauterine device (IUD) will affect their body's nutritional needs. The use of an IUD causes more menstrual blood flow and hence a larger loss of iron, for which the woman can take an iron supplement or better, eat more iron producing foods such as liver and broccoli. The use of the Pill causes a decrease in blood flow, hence a storage of iron, but also causes water retention, appetite stimulation, and a decrease in folic acid, Vitamin C, and vitamin B6 levels. A decrease in vitamin B6 levels can cause depression. If a woman using either of these contraceptives maintains a well balanced diet with no over use of sugar and salt, she should have no problems nutritionally. Women from mid-teens to mid-twenties need 2100 calories a day, which they can get from a diet of lean meat, leafy green and other vegetables, beans, fruit and grain. (NAL Call No.: TX357.W6 F&N AV).

HOME ECONOMICS

1297

Pretty poisons.

McBurnie, D. New York : American Baby, Inc.
Abstract: An illustrated overview discusses common house and garden plants and certain parts of everyday fruits and vegetables that are toxic to young children if eaten. Two common houseplants (dumbcane and philodendron) poison more children under age 5 than all other poisonous plants combined. It is estimated that plants poison as many as 250,000 Americans/year, with the majority of the victims being preschool children. Fruit and vegetable toxins include the seeds of apples, peaches, plums, and cherries, which contain cyanide, the uncooked sprouts ("eyes") and green parts of potatoes, the stems and leaves of tomatoes, and the leaf blades of rhubarb. Precautions that minimize child exposure are described.(wz). American baby. Sept 1985. v. 47 (9). p. 70-71, 83-84. ill. (NAL Call No.: DNAL HQ750.A2A4).

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The effects of trivalent chromium from tannery wastes on plants (Tests with geranium and rhubarb).
Shivas, S.A.J. Easton, Pa., The Association. The Journal of the American Leather Chemists Association. Aug 1980. v. 75 (8). p. 288-299. 18 ref. (NAL Call No.: 303.9 AM32).

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