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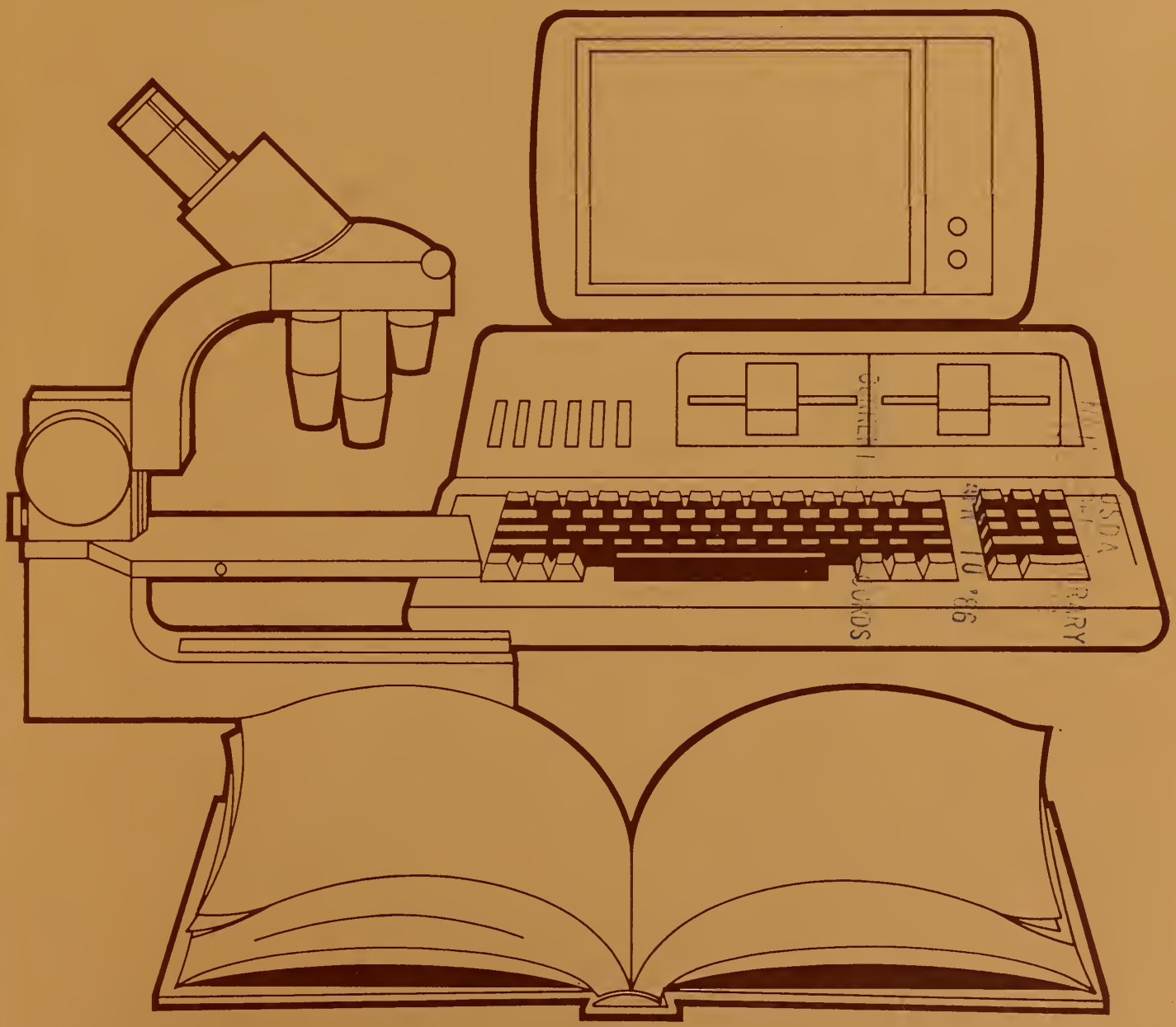
Number 45

The Protection of Peanuts: January 1979-July 1985

Citations from AGRICOLA Concerning Diseases and Other Environmental Considerations



The Protection of Peanuts: January 1979-July 1985

Citations from AGRICOLA Concerning Diseases and Other Environmental Considerations

Compiled and Edited by
Charles N. Bebee
National Agricultural Library

Bibliographies and Literature
of Agriculture Number 45

United States Department of Agriculture
National Agricultural Library
Beltsville, Maryland 20705

and

United States Environmental Protection Agency
Office of Pesticides Programs
Washington, D.C. 20460

March 1986

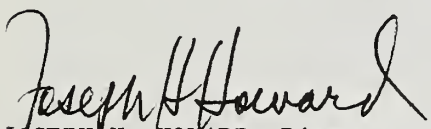
FOREWORD

This is the eighth volume in a series of commodity-oriented environmental bibliographies resulting from a memorandum of understanding between the United States Department of Agriculture, National Agricultural Library (USDA-NAL), and the 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 United States 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

STEVEN SCHATZOW, Director
Office of Pesticide Programs

INTRODUCTION

The citations in this bibliography are selected from works by U.S. authors on all aspects of the protection of peanuts from diseases, insects, nematodes, chemicals, or other environmental conditions which affect the yield and quality of this commodity. All citations are derived from AGRICOLA (AGRICultural OnLine Access), the master bibliographic database compiled by the National Agricultural Library for its 1.8-million-volume collection.

This is the ninth bibliography in a series jointly sponsored by the National Agricultural Library, United States Department of Agriculture (USDA-NAL), and the Office of Pesticides Programs, Environmental Protection Agency (EPA-OPP). Other volumes in this series concern protection of corn, soybeans, cotton, wheat, pome fruits, stone fruits, chemigation, and sorghums and millets.

Entries in the bibliography are subdivided into a series of subject headings used in the table of contents of the Bibliography of Agriculture and in the National Agricultural Library Catalog. Each citation appears under the subject heading assigned to the particular item. A complete author index is also included in the publication.

The Office of Pesticides Programs, EPA, has furnished technical assistance to the compiler through members of a commodity-oriented environmental data team which included:

Charles D. Reese
H. Irving Brigham
Bernard Schneider, PhD.
Richard Petrie

Any comments or questions may be forwarded to the compiler:

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Buchanan, G.A. AL~AR-SO. Hauser, E.; Starling, J.; Ivey, H. Auburn, The Station. Highlights of agricultural research - Alabama, Agricultural Experiment Station. Summer 1980. v. 27 (2). p. 7. ill. (NAL Call No.: 100 AL1H).

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PNTSB. Green, C.C. Beute, M.K.; Wynne, J.C. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1983. v. 10 (2). p. 66-69. Includes 19 references. (NAL Call No.: DNAL SB351.P3P39).

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Genetic, agronomic, botanical, physical, chemical, and organoleptic evaluation of peanuts, Arachis hypogaea L. / by Eric Gordon Stone.
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Hammons, R.O. AR-SO. Sowell, G. Jr.; Smith, D.H. Madison, Wis., Crop Science Society of America. Crop science. Mar/Apr 1980. v. 20 (2). p. 292. 1 ref. (NAL Call No.: 64.8 C883).

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PNTSB. Green, C.C. Wynne, J.C.; Beute, M.K.; Campbell, W.V. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1983. v. 10 (2). p. 84-88. Includes 12 references. (NAL Call No.: DNAL SB351.P3P39).

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Jackson, L.F.PNTSB. Raleigh : American Peanut Research and Education Society. Peanut science. Jan/June 1983. v. 10 (1). p. 3-5. Includes references. (NAL Call No.: SB351.P3P39).

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Demski, J.W. Sowell, G. Jr. Yoakum, Tex., American Peanut Research and Education Society. Peanut science. Jan/June 1981. v. 8 (1). p. 43-44. 16 ref. (NAL Call No.: SB351.P3P39).

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Coffelt, T.A. Garren, K.H. Raleigh, N.C., American Peanut Research and Education Society. Peanut science. Jan/June 1982. v. 9 (1). p. 1-5. 19 ref. (NAL Call No.: SB351.P3P39).

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Screening peanut germ plasm lines by enzyme-linked immunosorbent assay for seed transmission of peanut mottle virus.
Bharathan, N. Reddy, D.V.R.; Rajeshwari, R.; Murthy, V.K.; Rao, V.R.; Lister, R.M. St. Paul, Minn. : American Phytopathological Society. Plant disease. Sept 1984. v. 68 (9). p. 757-758. Includes 12 references. (NAL Call No.: 1.9 P69P).

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Screening peanut germplasm for resistance to corn earworm.
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Screening peanut plant introductions in controlled environment chambers for resistance to Rhizoctonia solani.
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Two-state effort produces highly resistant peanut (Tifton-8, germphasm, disease and pest resistance, Virginia, Georgia).
Tifton, Ga. : Georgia Agricultural Commodity Commission for Peanuts. Southeastern peanut farmer. Aug 1984. v.22 (8). p. 7. (NAL Call No.: HD9235.P32S6).

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Variability of Cylindrocladium crotalariae response to resistant host plant selection pressure in peanut.
Hadley, B.A. Beute, M.K. St. Paul, Minn., American Phytopathological Society. Phytopathology. Oct 1979. v. 69 (10). p. 1112-1114. ill. 11 ref. (NAL Call No.: 464.8 P56).

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Cylindrocladium crotalariae-induced periderm formation in taproot and fibrous roots of Arachis hypogaea.
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0105

Effects of nitrogen fertilization on Cylindrocladium black rot of peanuts and peanut yield (Cylindrocladium crotalariae, North Carolina).
Pataky, J.K. Black, M.C.; Hollowell, J.; Beute, M.K. St. Paul, Minn. : American Phytopathological Society. Plant disease. Aug 1984. v. 68 (8). p. 674-677. ill. Includes 13 references. (NAL Call No.: 1.9 P69P).

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Genetic, agronomic, botanical, physical, chemical, and organoleptic evaluation of peanuts, Arachis hypogaea L. / by Eric Gordon Stone.
Stone, Eric Gordon, 1931. 1968. Thesis (Ph.D.)--Oklahoma State University, 1968. Photocopy. Ann Arbor, Mich. : University Microfilms, 1970. x, 149 leaves ; 21 cm. Bibliography: leaves 64-67. (NAL Call No.: DISS 69-14,343).

0107

Histological responses of peanut germplasm resistant and susceptible to Cylindrocladium crotalariae in relationship to inoculum density (Arachis hypogaea, black rot).
Harris, N.E. Beute, M.K. St. Paul, Minn., American Phytopathological Society. Phytopathology. Sept 1982. v. 72 (9). p. 1250-1256. ill. 19 ref. (NAL Call No.: 464.8 P56).

0108

Biochemical studies of peanut (Arachis hypogaea L.) quality.
Young, Clyde Thomas, 1930. Ann Arbor, Mich. University Microfilms 1971. Thesis--Oklahoma State University, 1970. x, 174 leaves. Bibliography: leaves 170-174. (NAL Call No.: DISS 71-11,310).

0109

Critical levels of soil- and nutrient-solution calcium for vegetative growth and fruit development of Florunner peanuts (Includes deficiency).
Wolt, J.D. Adams, F. Madison, Wis., The Society. Journal.Soil Science Society of America. Nov/Dec 1979. v. 43 (6). p. 1159-1164. ill. 19 ref. (NAL Call No.: 56.9 S03).

0110

The effect of rate and method of application of N, P, and K on yield, quality and chemical composition of Spanish and Runner peanuts / by Milton Eldridge Walker.
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0111

Effect of variety, location and year on tannin content of peanut seed coats (Correllation with resistance to Aspergillus parasiticus).
Sanders, T.H. Yoakum, Tex., American Peanut Research and Education Association. Peanut science. Jan/June 1979. v. 6 (1). p. 62-64. ill. 8 ref. (NAL Call No.: SB351.P3P39).

0112

Effects of applied plant nutrients on Sclerotinia blight incidence in peanuts (Sclerotinia minor, foliar fertilization).
Hallock, D.L. Porter, D.M. Yoakum, Tex., American Peanut Research and Education Society. Peanut science. Jan/June 1981. v. 8 (1). p. 48-52. 20 ref. (NAL Call No.: SB351.P3P39).

0113

Foliar fertilization effects on yield, quality, nutrient uptake, and vegetative characteristics of Florunner peanuts.
Walker, M.E.PNTSB. Gaines, T.P.; Henning, R.J. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1982. v. 9 (2). p. 53-57. 8 ref. (NAL Call No.: SB351.P3P39).

0114

Involvement of nutrition and fungi in the peanut pod rot complex (Arachis hypogaea, Pythium spp., Rhizoctonia spp., Fusarium spp., calcium deficiency disorders).
Csinos, A.S. Gaines, T.P.; Walker, M.E. St. Paul, American Phytopathological Society. Plant disease. Jan 1984. v. 68 (1). p. 61-65. Includes references. (NAL Call No.: 1.9 P69P).

0115

Isolation, selction and evaluation of Rhizobium under controlled conditions (Bean (Phaseolus vulgaris), lentil (Lens esculenta), cowpea (Vigna unguiculata), peanut (Arachis hypogaea)).
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Brar, M.S. Singh, B.; Sekhon, G.S. New York, Marcel Dekker. Communications in soil science and plant analysis. 1980. v. 11 (4). p. 335-346. 6 ref. (NAL Call No.: S590.C63).

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0118

Phosphorus nutrition of cotton, peanuts, rice, sugarcane, and tobacco.
Nelson, L.E. Madison, Wis., American Society of Agronomy, 1980. The Role of phosphorus in agriculture, (editors) F. E. Khasawneh, E. C. Sample, E. J. Kamprath. Literature review. p. 693-736. ill. Bibliography p. 729-736. (NAL Call No.: S647.R64).

0119

Response of peanuts and other crops to fertilizers and lime in two long term experiments.
PNTSB. Cope, J.T. Starling, J.G.; Ivey, H.W.; Mitchell, C.C. Jr. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1984. v. 11 (2). p. 91-94. Includes 13 references. (NAL Call No.: DNAL SB351.P3P39).

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Hartzog, D.L.HARAA. Adams, F. Auburn : The Station. Highlights of agricultural research - Alabama, Agricultural Experiment Station. Summer 1983. v. 30 (2). p. 19. (NAL Call No.: 100 AL1H).

0121

Aflatoxin inhibition and fungistasis by peanut tannins (Aspergillus parasiticus).
Lansden, J.A. Raleigh, N.C., American Peanut Research and Education Society. Peanut science. Jan/June 1982. v. 9 (1). p. 17-20. 15 ref. (NAL Call No.: SB351.P3P39).

0122

Colonization and biochemical changes in peanut seeds infected with Aspergillus flavus.
Deshpande, A.S. USDA. Pancholy, S.K. Yoakum, Tex., American Peanut Research and Education Society. Peanut science. July/Dec 1979. v. 6 (2). p. 102-105. ill. 18 ref. (NAL Call No.: SB351.P3P39).

0123

Effect of defoliation on peanut plant growth (Arachis hypogaea, pest management, light interception).
Wilkerson, G.G. Jones, J.W.; Poe, S.L. Madison, Wis. : Crop Science Society of America. Crop science. May/June 1984. v. 24 (3). p. 526-531. Includes references. (NAL Call No.: 64.8 C883).

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The effect of rate and method of application of N, P, and K on yield, quality and chemical composition of Spanish and Runner peanuts / by Milton Eldridge Walker.
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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).

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On the control and activation of metabolism during germination of Arachis hypogea / Jennifer Reed.
Reed, Jennifer, 1944. 1970. Thesis (Ph.D.)--University of Pennsylvania, 1970. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. xx, 102 leaves ; 21 cm. Bibliography: leaves xi-xx. (NAL Call No.: DISS 70-25,720).

0127

Pentachloronitrobenzene (fungicide) metabolism in peanut. 1. Mass spectral characterization of seven glutathione-related conjugates produced in vivo or in vitro.
Lamoureux, G.L. AR-NC. Rusness, D.G. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Nov/Dec 1980. v. 28 (6). p. 1057-1070. ill. Bibliography p. 1069-1070. (NAL Call No.: 381 J8223).

0128

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0203

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0208

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0352

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0361

Evaluation of foliar fungicide regimes for control of Cercosporidium leafspot of peanut, 1981 (Peanut (Arachis hypogaea 'Florunner'), late leafspot; Cercosporidium personatum).
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0362

Evaluation of fungicide spray programs for control of Cercospora leafspot and Sclerotinia blight in Virginia, 1979 (Peanut (Arachis hypogaea 'Florigiant'), Sclerotinia blight; Sclerotinia minor, early leafspot; Cercospora arachidicola, late leafspot; Cercosporidium personatum).
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0363

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0441

Screening peanut plant introductions in controlled environment chambers for resistance to Rhizoctonia solani.
Woodard, K.E. Jones, B.L. St. Paul, Minn., American Phytopathological Society. Plant disease. Oct 1980. v. 64 (10). p. 949-950. 5 ref. (NAL Call No.: 1.9 P69P).

0442

Screening peanuts (Arachis hypogaea L.) for resistance to Sclerotinia blight.
Coffelt, T.A. AR-SO. Porter, D.M. (s.l.), The Society. Proceedings of American Peanut Research and Education Society. Sept 1980. v. 12 (1). p. 69. (NAL Call No.: SB320.A4).

0443

Screening peanuts for resistance to Sclerotinia blight (Sclerotinia minor).
Coffelt, T.A. Porter, D.M. St. Paul, Minn., American Phytopathological Society. Plant disease. May 1982. v. 65 (5). p. 385-387. Includes 19 ref. (NAL Call No.: 1.9 P69P).

0444

Seedcoat and tannin influence on the mycelial growth of Aspergillus paraciticus for peanuts varying in fungal infection.
Mixon, A.C. Sanders, T.H. Madison, Wis., American Society of Agronomy. Agronomy abstracts. 1979. 1979. p. 70. (NAL Call No.: 241 AM39).

0445

A simplified medium for growing Cercospora arachidicola (the cause of peanut leafspot).
Starkey, T.E. St. Paul, Minn., American Phytopathological Society. Phytopathology. Oct 1980. v. 70 (10). p. 990-991. 4 ref. (NAL Call No.: 464.8 P56).

0446

Southern stem rot disease (white mold) (Sclerotium rolfsii) of peanuts.
Thompson, S.S. Athens. LeafletGeorgia. University. Cooperative Extension Service. Apr 1979. Apr 1979. (292). 6 p. ill. (NAL Call No.: 275.29 G29L).

0447

Soybean and peanut seed treatment: new developments and needs (Glycine max, Arachis hypogaea, soilborne and seedborne pathogens, fungicides, biocontrol agents).
Phipps, P.M. St. Paul, American Phytopathological Society. Plant disease. Jan 1984. v. 68 (1). p. 76-77. (NAL Call No.: 1.9 P69P).

0448

Spatial pattern of southern stem rot caused by Sclerotium rolfsii in six North Carolina peanut fields.
Shew, B.B. Beute, M.K.; Campbell, C.L. St. Paul, Minn. : American Phytopathological Society. Phytopathology. June 1984. v. 74 (6). p. 730-735. Includes 21 references. (NAL Call No.: 464.8 P56).

0449

Sporulation of Cercospora arachidicola as a criterion for screening peanut genotypes for leaf spot resistance (Arachis spp., including the domestic Arachis hypogaea).
Gobina, S.M.PHYTA. Melouk, H.A.; Banks, D.J. St. Paul : American Phytopathological Society. Phytopathology. Apr 1983. v. 73 (4). p. 556-558. Includes references. (NAL Call No.: 464.8 P56).

0450

Spray initiation date for control of peanut leaf spot diseases, 1981 (Peanut (Arachis hypogeae 'Florigiant'), early leaf spot; Cercospora arachidicola, late leaf spot; Cercosporidium personatum).
Drye, C.E. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 94. (NAL Call No.: 464.9 AM31R).

0451

Suppression of peanut stem rot with the insecticide chloropyrifos (Sclerotium rolfsii).
Backman, P.A. Hammond, J.M. Raleigh, N.C., American Peanut Research and Education Society. Peanut science. July/Dec 1981. v. 8 (2). p. 129-130. Includes 11 ref. (NAL Call No.: SB351.P3P39).

0452

Suppression of Sclerotinia (minor) blight of peanuts with dinitrophenol herbicides.
Porter, D.M. AR-SO. Rud, O.E. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1980. v. 70 (8). p. 720-722. 17 ref. (NAL Call No.: 464.8 P56).

0453

Supression of Sclerotinia (minor) blight of peanuts with herbicides.
Porter, D.M. Rud, O.E. St. Paul, Minn., American Phytopathological Society. Phytopathology. Sept 1979. v. 69 (9). p. 1042. (NAL Call No.: 464.8 P56).

0454

Survival and efficiency of cowpea rhizobia on pelleted and non-pelleted peanut seeds, treated with fungicides.
Hamdi, Y.A. Moharram, A.A. Jena. Zentralblatt fur Bakteriologie, Parasitenkunde, Infektionskrankheiten und Hygiene. II. Naturwissenschaftliche Abteilung. 1978. v. 133 (3). p. 204-210. ill. 25 ref. (NAL Call No.: 448.3 C33 (3)).

0455

Susceptibility of peanut leaves to Cercosporidium personatum (leaf spot).
Cook, M. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1981. v. 71 (8). p. 787-791. 27 ref. (NAL Call No.: 464.8 P56).

0456

Susceptibility of pods of different peanut genotypes to Aspergillus flavus group fungi (Mycotoxins).
Kushalappa, A.C. Bartz, J.A. St. Paul, American Phytopathological Society. Phytopathology. Feb 1979. v. 69 (2). p. 159-162. ill. 18 ref. (NAL Call No.: 464.8 P56).

0457

Unharvested peanut pods as a potential source of inoculum of soilborne plant pathogens.
PLDRA. Bell, D.K. Sumner, D.R. St. Paul, Minn. : American Phytopathological Society. Plant disease. Dec 1984. v. 68 (12). p. 1039-1042. Includes 13 references. (NAL Call No.: DNAL 1.9 P69P).

0458

Utilization of a peanut leafspot (Cercospora arachidicola and Cercospora personata) forecasting model in Virginia.
Powell, N.L. AR-SO. Porter, D.M.; Dow, R.L. (s.l.), The Society. Proceedings of American Peanut Research and Education Society. Sept 1980. v. 12 (1). p. 41. (NAL Call No.: SB320.A4).

0459

Variability of Cylindrocladium crotalariae response to resistant host plant selection pressure in peanut.
Hadley, B.A. Beute, M.K. St. Paul, Minn., American Phytopathological Society. Phytopathology. Oct 1979. v. 69 (10). p. 1112-1114. ill. 11 ref. (NAL Call No.: 464.8 P56).

0460

Web blotch (caused by Phoma arachidicola) resistance in Arachis hypogaea (Peanuts).
Smith, O.D. Smith, D.H.; Simpson, C.E. Yoakum, Tex., American Peanut Research and Education Society. Peanut science. July/Dec 1979. v. 6 (2). p. 99-101. ill. 7 ref. (NAL Call No.: SB351.P3P39).

0461

What you can do with fungigation. It's effective and potentially more economical (Peanuts).
Sturgeon, R.V. Jr. Raleigh, N.C., Harvest Publishing Company. The Peanut farmer. May 1979. v. 15 (5). p. 10, 12, 24. (NAL Call No.: SB351.A1P3).

0462

What's next for fungigation? (Fungicide application through irrigation for peanuts).
Watson, S. Raleigh, Harvest Publishing Co. The Peanut farmer. Apr 1981. v. 17 (4). p. 16, 21. (NAL Call No.: SB351.A1P3).

0463

When cultural practices aren't enough, here's how to control white mold with chemicals (Peanuts).
Thompson, S.S. Raleigh, N.C., Harvest Publishing Company. The Peanut farmer. May 1979. v. 15 (5). p. 20. ill. (NAL Call No.: SB351.A1P3).

0464

Acquisition, viability, and transmission of peanut stunt virus (PSV) by Aphis craccivora and Myzus persicae / by O. William Isakson, Jr.
Isakson, O. William (Oscar William), 1933. 1970. Thesis (Ph.D.)--Virginia Polytechnic Institute, 1970. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. v, 41 leaves ; 21 cm. Bibliography: leaves 33-35. (NAL Call No.: DISS 70-19,186).

0465

Aphid populations and spread of peanut mottle virus (Aphis craccivora, Myzus persicae, Rhopalosiphum maidis).
Highland, H.B. Demski, J.W.; Chalkley, J.H. Raleigh, N.C., American Peanut Research and Education Society. Peanut science. July/Dec 1981. v. 8 (2). p. 99-102. Includes 12 ref. (NAL Call No.: SB351.P3P39).

0466

Effect of two strains of peanut mottle virus on fatty acids, amino acids, and protein of six peanut lines.
Hovis, A.R. Young, C.T.; Kuhn, C.W. Yoakum, Tex., American Peanut Research and Education Society. Peanut science. July/Dec 1979. v. 6 (2). p. 88-92. ill. 19 ref. (NAL Call No.: SB351.P3P39).

0467

An efficient procedure for purification of an isolate of peanut mottle virus from wild peanut and determination of molecular weights of the viral components (Potyviruses).
Sherwood, J.L. Raleigh : American Peanut Research and Education Society. Peanut science. Jan/June 1984. v. 11 (1). p. 40-42. ill. Includes 16 references. (NAL Call No.: SB351.P3P39).

0468

Feeding preferences and colonization abilities of three aphid vectors (Homoptera:Aphididae) of peanut mottle virus on selected host plants.
EVETEX. Highland, H.B. Roberts, J.E. College Park, Md. : Entomological Society of America. Environmental entomology. Aug 1984. v. 13 (4). p. 970-974. Includes references. (NAL Call No.: DNAL QL461.E532).

0469

Identification and incidence of peanut viruses in Georgia.
PNTSB. Kuhn, C.W. Demski, J.W.; Reddy, D.V.R.; Benner, C.P.; Bijaisordat, M. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1984. v. 11 (2). p. 67-69. Includes 20 references. (NAL Call No.: DNAL SB351.P3P39).

0470

Management of insect pests of broccoli, cowpeas, spinach, tomatoes, and peanuts with chemigation by insecticides in oils, and reduction of watermelon virus 2 by chemigated oil.
Chalfant, R.B. Young, J.R. College Park, Md. : Entomological Society of America. Journal of economic entomology. Oct 1984. v. 77 (5). p. 1323-1326. Includes 6 references. (NAL Call No.: 421 J822).

0471

New disease no threat to state's peanut crop (Stripe virus, aphid-transmitted diseases, Georgia).
Tifton, Ga. : Georgia Agricultural Commodity Commission for Peanuts. Southeast peanut farmer. Mar 1984. v. 22 (3). p. 26. (NAL Call No.: HD9235.P32S6).

0472

A new gene for peanut mottle virus resistance in soybean.
Buss, G.R. Roane, C.W.; Tolin, S.A. Ames : The Service. Soybean genetics newsletter - United States, Agricultural Research Service. Apr 1983. v. 10. p. 102-104. Includes references. (NAL Call No.: aSB205.S7S6).

0473

Peanut mottle virus in forage legumes.
Demski, J.W. Khan, M.A.; Wells, H.D.; Miller, J.D. St. Paul, Minn., American Phytopathological Society. Plant disease. Apr 1981. v. 65 (4). p. 359-362. ill. 8 ref. (NAL Call No.: 1.9 P69P).

0474

Peanut plant diseases.
Porter, D.M. Smith, D.H.; Rodriguez-Kabana, R. Yoakum, Tex. : American Peanut Research and Education Society, 1982. Peanut science and technology / edited by Harold E. Pattee and Clyde T. Young. Literature review. p. 326-410. ill. Includes references. (NAL Call No.: DNAL SB351.P3P42 1982).

0475

Peanut stunt virus : field incidence and insect vector relationships in North Carolina / by Johnny Anthony Bloch.
Bloch, Johnny Anthony, 1940. 1971. Thesis (Ph.D.)--North Carolina State University at Raleigh, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. x, 115 leaves ; 21 cm. Bibliography: leaves 109-115. (NAL Call No.: DISS 71-29,440).

0476

Purification and characterization of a severe strain of peanut mottle virus / by King-chain Sun.
Sun, King-chain, 1938. 1971. Thesis (Ph.D)--North Carolina State University, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. vii, 33 leaves ; 21 cm. Bibliography: leaves 31-33. (NAL Call No.: DISS 72-3,545).

0477

Purification and serology of peanut mottle virus (from peanuts, Arachis hypogaea, and peas, Pisum sativum).
Tolin, S.A.PHYTA. Ford, R.H. St. Paul : American Phytopathological Society. Phytopathology. June 1983. v. 73 (6). p. 899-903. Includes references. (NAL Call No.: 464.8 P56).

0478

Resistance to peanut mottle virus in Arachis spp.
Demski, J.W. Sowell, G. Jr. Yoakum, Tex., American Peanut Research and Education Society. Peanut science. Jan/June 1981. v. 8 (1). p. 43-44. 16 ref. (NAL Call No.: SB351.P3P39).

0479

Resistance to peanut mottle virus (PMV) in soybean (Glycine max) plant introductions.
Shipe, E.R. Buss, G.R. Beltsville, Md., Science and Education Administration, U.S. Dept. of Agriculture. Plant disease reporter. Sept 1979. v. 63 (9). p. 757-760. ill. 11 ref. (NAL Call No.: 1.9 P69P).

0480

Resistance to peanut stunt virus in cultivated and wild Arachis species.
Herbert, T.T. Stalker, H.T. Yoakum, Tex., American Peanut Research and Education Society. Peanut science. Jan/June 1981. v. 8 (1). p. 45-47. 8 ref. (NAL Call No.: SB351.P3P39).

0481

Screening peanut germ plasm lines by enzyme-linked immunosorbent assay for seed transmission of peanut mottle virus.
Bharathan, N. Reddy, D.V.R.; Rajeshwari, R.; Murthy, V.K.; Rao, V.R.; Lister, R.M. St. Paul, Minn. : American Phytopathological Society. Plant disease. Sept 1984. v. 68 (9). p. 757-758. Includes 12 references. (NAL Call No.: 1.9 P69P).

0482

A second gene for resistance to peanut mottle virus in soybeans.
Shipe, E.R. Buss, G.R. Madison, Wis., Crop Science Society of America. Crop science. Sept/Oct 1979. v. 19 (5). p. 656-658. ill. 18 ref. (NAL Call No.: 64.8 C883).

0483

Separation of the complementary strands of double-stranded cucumber mosaic virus-associated RNA 5 and peanut stunt virus-associated RNA 5.
Kaper, J.M.BBRCA. Tousignant, M.E. New York : Academic Press. Biochemical and biophysical research communications. Nov 15, 1983. v. 116 (3). p. 1168-1175. ill. Includes references. (NAL Call No.: 442.8 B5236).

0484

Sources of resistance to peanut mottle virus in Arachis germ plasm (Rhizomatosae).
Melouk, H.A. Sanborn, M.R.; Banks, D.J. St. Paul, Minn. : American Phytopathological Society. Plant disease. July 1984. v. 68 (7). p. 563-564. Includes references. (NAL Call No.: 1.9 P69P).

0485

Studies on peanut mottle virus : purification, identification of strains, and effect of yield / by Onofre R. Paguio.
Paguio, Onofre R. Ann Arbor, Mich. University Microfilms 1973. Thesis--University of Georgia, 1972. Facsimile produced by microfilm-xerography. x, 67 leaves. Bibliography: leaves 62-67. (NAL Call No.: DISS 73-5,755).

0486

The transmission of peanut stunt virus and its effects on peanut yields / by Thomas Louis Steepy.
Steepy, Thomas Louis, 1941. 1971. Thesis (Ph.D.)--North Carolina State University, 1971. Photocopy of typescript. Ann Arbor: University Microfilms, 1972. iv, 44 leaves ; 21 cm.

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0487

Transmission of tomato spotted wilt virus, the causal agent of bud necrosis of peanut, by Scirtothrips dorsalis and Frankliniella schultzei.
Amin, P.W. Reddy, D.V.R.; Ghanekar, A.M.; Reddy, M.S. St. Paul, Minn., American Phytopathological Society. Plant disease. Aug 1981. v. 65 (8). p. 663-665. ill. 16 ref. (NAL Call No.: 1.9 P69P).

0488

Varietal response of snap beans to peanut stunt virus (Cultivars, United States).
Meiners, J.P. Lincoln, Neb. Annual reportBean Improvement Cooperative. Mar 1979. v. 22. p. 36-37, 38-39. ill. (NAL Call No.: SB327.A1B5).

0489

Yield responses of six white clover clones to virus infection under field conditions.
PLDRA. Campbell, C.L. Moyer, J.W. St. Paul, Minn. : American Phytopathological Society. Plant disease. Dec 1984. v. 68 (12). p. 1033-1035. Includes 12 references. (NAL Call No.: DNAL 1.9 P69P).

0490

Critical levels of soil- and nutrient-solution calcium for vegetative growth and fruit development of Florunner peanuts (Includes deficiency).
Wolt, J.D. Adams, F. Madison, Wis., The Society. Journal.Soil Science Society of America. Nov/Dec 1979. v. 43 (6). p. 1159-1164. ill. 19 ref. (NAL Call No.: 56.9 S03).

0491

Effect of phosphate on regulation of Fe (iron) stress response in soybean and peanut (Glycine max, Arachis hypogaea).
Chaney, R.L. Coulombe, B.A. New York ; Basel : Marcel Dekker, 1982. Iron nutrition and interactions in plants : Brigham Young University, August 12-14, 1981 / edited by S.D. Nelson ... (et al.). p. 469-487. ill. 36 ref. (NAL Call No.: QK867.J67 v. 5, nos. 4-7).

0492

Involvement of nutrition and fungi in the peanut pod rot complex (Arachis hypogaea, Pythium spp., Rhizoctonia spp., Fusarium spp., calcium deficiency disorders).
Csinos, A.S. Gaines, T.P.; Walker, M.E. St. Paul, American Phytopathological Society. Plant disease. Jan 1984. v. 68 (1). p. 61-65. Includes references. (NAL Call No.: 1.9 P69P).

0493

Remedy of lime-induced chlorosis with iron-enriched muck (Arachis hypogaea, peanuts).
Chen, Y. Navrot, J.; Barak, P. New York ; Basel : Marcel Dekker, 1982. Iron nutrition and interactions in plants : Brigham Young University, August 12-14, 1981 / edited by S.D. Nelson ... (et al.). p. 927-940. 12 ref. (NAL Call No.: QK867.J67 v. 5, nos. 4-7).

0494

Absorption, translocation, and degradation of SN 533 by soybeans (Glycine max) and peanuts (Arachis hypogaea) (Herbicide, phytotoxicity).
Harrison, H.F. Jr.WEESA. Slife, F.W. Champaign : Weed Science Society of America. Weed science. Mar 1983. v. 31 (2). p. 259-263. ill. Includes references. (NAL Call No.: 79.8 W41).

0495

Hazards of MSMA and DSMA for peanut weed control.
Walker, R.H. Hiltbold, A.E.; Granade, G. Auburn, The Station. Highlights of agricultural research - Alabama, Agricultural Experiment Station. Spring 1982. v. 29 (1). p. 3. ill. (NAL Call No.: 100 AL1H).

0496

Influence of cultural and harvest practices on peanut seed quality (Germination, mechanical injury, soil fertility).
McLean, D.E. Sullivan, G.A. Raleigh, N.C., American Peanut Research and Education Society. Peanut science. July/Dec 1981. v. 8 (2). p. 145-148. Includes 18 ref. (NAL Call No.: SB351.P3P39).

0497

Inhibition of photosynthesis by ethylene--a stomatal effect (Includes peanuts, sweet potato, Jerusalem artichoke, sunflowers).
Pallas, J.E. Jr. Kays, S.J. Rockville, Md., American Society of Plant Physiologists. Plant physiology. Apr 1981. Abstract only. v. 67 (4). p. 18. ill. (NAL Call No.: 450 P692).

0498

Injury and yield responses of peanuts to chronic doses of ozone in open-top field chambers (Arachis hypogaea, air pollution damage).
Heagle, A.S.PHYTA. Letchworth, M.B.; Mitchell, C.A. St. Paul : American Phytopathological Society. Phytopathology. Apr 1983. v. 73 (4). p. 551-555. Includes references. (NAL Call No.: 464.8 P56).

0499

Problems from pesticide-induced foliar phytotoxicity investigated in peanuts.
HARAA. Hancock, H.G. Weete, J.D.; Backman, P.A.; Hammond, J.M. Auburn, Ala. : The Station. Highlights of agricultural research - Alabama, Agricultural Experiment Station. Winter 1984. v. 31 (4). p. 17. ill. (NAL Call No.: DNAL 100 AL1H).

PROTECTION OF PLANT PRODUCTS - GENERAL AND MISC.

0500

Effect of chemical and biological agents on the incidence of Aspergillus flavus and aflatoxin contamination of peanut seed.
PHYTAJ. Mixon, A.C. Bell, D.K.; Wilson, D.M. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Dec 1984. v. 74 (12). p. 1440-1444. Includes 27 references. (NAL Call No.: DNAL 464.8 P56).

0501

Effect of preparation (fumigation) and storage environment on lifespan of shelled peanut seed (Germination).
Norden, A.J. Madison, Wis., Crop Science Society of America. Crop science. Mar 1981. v. 21 (2). p. 263-266. 7 ref. (NAL Call No.: 64.8 C883).

0502

Foreign material extractors for peanut flowpipes (Alternative to cleaning before storage, equipment, Georgia).
Blankenship, P.D. Davidson, J.I. Jr.; Sanders, T.H.; Layton, R.C.; Willis, J.W. Raleigh : American Peanut Research and Education Society. Peanut science. Jan/June 1984. v. 11 (1). p. 10-12. Includes 8 references. (NAL Call No.: SB351.P3P39).

0503

Peanut storage, pests and contaminants (Includes aflatoxins).
Maclean, J.T. Beltsville : The Library. Quick bibliography series - National Agricultural Library. Oct 1983. Bibliography. Oct 1983. (84-06). 28 p. (NAL Call No.: aZ5071.N3).

0504

Screening Virginia-type farmers' stock peanuts before storage (Filtering device to eliminate foreign material before grading and storage).
Dickens, J.W. Raleigh : American Peanut Research and Education Society. Peanut science. Jan/June 1984. v. 11 (1). p. 13-16. Includes 9 references. (NAL Call No.: SB351.P3P39).

0505

Stress metabolites of plants - A growing concern.
Wood, Garnett E. Ames, Iowa, International Association of Milk, Food, and Evironmental 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.

0506

Automating spraying (insecticide) systems for farmers stock peanuts.
Smith, J.S. Jr. Davidson, J.I.; Bennett, C.T. Suffolk, Va., Peanut Journal Publishing Co. Peanut journal and nut world. July 1981. v. 60 (9). p. 7-8, 10. ill. (NAL Call No.: 77.8 P313).

0507

Dichlorvos aerosol as a space treatment for peanut shelling plants (Insect pests control of stored products).
Redlinger, L.M. AR-SO. Davidson, J.I. Jr.; Gillenwater, H.B.; Simonaitis, R.A. (s.l.), The Society. Proceedings of American Peanut Research and Education Society. Sept 1980. v. 12 (1). p. 39. (NAL Call No.: SB320.A4).

0508

Evaluation of commercial formualtions of Bacillus thuringiensis for control of the indianmeal moth and almond moth (Lepidoptera: Pyralidae) in stored inshell peanuts (Plodia interpunctella, Ephestia cautella).
McGaughey, W.H. College Park, Entomological Society of America. Journal of economic entomology. Aug 1982. v. 75 (4). p. 754-757. 5 ref. (NAL Call No.: 421 J822).

0509

Fumigation of imported shelled peanuts with methyl bromide (against khapra beetles, Trogoderma granarium, residues).
Leesch, J.G.PNTSB. Redlinger, L.M.; Young, C.T.; Sukkestad, D.R. Raleigh : American Peanut Research and Education Society. Peanut science. Jan/June 1983. v. 10 (1). p. 33-36. ill. Includes references. (NAL Call No.: SB351.P3P39).

0510

Growth of Ephestia cautella (Walker) population under conditions found in an empty peanut warehouse and response to variations in the distribution of larval food.
Hagstrum, D.W. College Park, Md. : Entomological Society of America. Environmental entomology. Feb 1984. v. 13 (1). p. 171-174. Includes references. (NAL Call No.: QL461.E532).

0511

Insect control in postharvest peanuts.
Redlinger, L.M. Davis, R. Yoakum, Tex. : American Peanut Research and Education Society, 1982. Peanut science and technology / edited by Harold E. Pattee and Clyde T. Young. Literature review. p. 520-570. ill. Includes references. (NAL Call No.: DNAL SB351.P3P42 1982).

0512

Insect growth regulators: new protectants against the almond moth (Ephestia cautella) in stored inshell peanuts.
Nickle, D.A. College Park, Md., Entomological Society of America. Journal of economic entomology. Dec 1979. v. 72 (6). p. 816-819. ill. 14 ref. (NAL Call No.: 421 J822).

0513

Insecticide resistance in selected stored-product insects infesting peanuts in the southeastern United States (Ephestia cautella, Plodia interpunctella, Tribolium castaneum).
Zettler, J.L. College Park, Md., Entomological Society of America. Journal of economic entomology. Apr 1982. v. 75 (2). p. 359-362. 1 p. ref. (NAL Call No.: 421 J822).

0514

Mortality and reproduction of Ephestia cautella and Plodia interpunctella exposed as pupae to high temperatures (Stock peanut pests, southeastern USA).
Arbogast, R.T. College Park, Md., Entomological Society of America. Environmental entomology. Oct 15, 1981. v. 10 (5). p. 708-711. 8 ref. (NAL Call No.: QL461.E532).

0515

The natural occurrence of the egg parasite, Trichogramma, on almond moth eggs in peanut storages in Georgia (Biological control).
Brower, J.H. Athens, Ga. : The Society. Journal of the Georgia Entomological Society. July 1984. v. 19 (3). p. 285-290. Includes 20 references. (NAL Call No.: QL461.G4).

0516

Peanut storage, pests and contaminants (Includes aflatoxins).
Maclean, J.T. Beltsville : The Library. Quick bibliography series - National Agricultural Library. Oct 1983. Bibliography. Oct 1983. (84-06). 28 p. (NAL Call No.: aZ5071.N3).

0517

Phosphine and methyl bromide fumigation of shelled peanuts (control of Tribolium castaneum, Sitophilus oryzae and Plodia interpunctella, residues, adverse effects).
Leesch, J.G. Gillenwater, H.B. Yoakum, Tex., American Peanut Research and Education Association. Peanut science. Jan/June 1979. v. 6 (1). p. 18-26. ill. 7 ref. (NAL Call No.: SB351.P3P39).

0518

Pirimiphos-methyl and chlorpyrifos-methyl as controls of indigenous insect infestations in farmers' stock peanuts (Stored product insects).
LaHue, D.W. College Park, Md., Entomological Society of America. Journal of economic entomology. Aug 15, 1979. v. 72 (4). p. 621-624. ill. 1 ref. (NAL Call No.: 421 J822).

0519

Provisioning with preparalyzed hosts (Ephestia cautella) to improve parasite (Bracon hebetor) effectiveness: a pest management strategy for stored commodities (Peanuts).
Nickle, D.A. Hagstrum, D.W. College Park, Md., Entomological Society of America. Environmental entomology. Aug 1981. v. 10 (4). p. 560-564. ill. 7 ref. (NAL Call No.: QL461.E532).

0520

The use of controlled atmospheres to eliminate insect infestations in stored grain and peanuts / by Edward G. Jay.
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Aflatoxin as a cause of primary liver-cell cancer in the United States: A probability study.
Stoloff, Leonard. Philadelphia : Franklin Institute Press. Extract: Primary liver-cell cancer (PLC) mortality ratios, computed from death certificate records compiled by the National Center for Health Statistics, for the periods 1968-1971 and 1973-1976 were sorted by race, sex, urbanization, and region. From this sort, rural white males from the Southeast and the "North and West" regions were selected for comparison of mortality ratios and past dietary exposure to aflatoxin. Based on projections of recent aflatoxin contamination information back to the 1910-1960 period, and estimates of corn and peanut usage from household food consumption surveys relating to that period, the expected average daily ingestion of aflatoxin B1 for each group was calculated (Southeast, 13-197 ng/kg bw; North and West, 0.2-0.3 ng/kg bw). An age-adjusted excess PLC mortality ratio was observed for the Southeast population when compared with the "North and West"--10% excess PLC deaths at all ages, and 6% excess PLC deaths for the 30-49 year age-group--but although the difference was in the expected direction in relation to projected past exposure to aflatoxin, it was far from the manyfold difference that would have been anticipated from experiments with rats and from prior epidemiological studies in Africa and Asia. The remaining major portion of the PLC mortality in the Southeast may be attributed to many unidentified causes for which the two populations that were compared were not controlled, leaving in doubt the validity of any attribution of the excess PLC mortality to aflatoxin ingestion. A considerable excess over average US PLC mortality ratios was seen for all Orientals resident in the US and for urban black males. Occurrence of PLC in Orientals has been related to the presence of markers for hepatitis B virus in the blood serum of affected individuals. (author). Nutrition and cancer. 1983. v. 5 (3/4). p. 165-186. ill., charts. Includes 57 references. (NAL Call No.: RC262.C5N8).

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Carcinogens occurring naturally in food.
Hilker, Doris M. Philadelphia, Franklin Institute Press. Extract: The role of carcinogens as metabolites from plant-infecting microorganisms, as products of plant metabolism, as products of food storage, processing, and as obtained from water or soil contaminants, is discussed. Some examples of these types of carcinogens are: fungal metabolites, such as aflatoxins in peanuts stored under improper conditions; safrol from the oil of various plants; tannin in tea, grain and grapes; and polycyclic hydrocarbons, including benzo(a)pyrene, formed by smoking meat and fish. Epidemiological studies indicate that there is a high incidence of gastric cancer in the areas of the world where smoked fish are common in diets. Vitamin A may play a role in preventing the carcinogenic action of polycyclic hydrocarbons. (author/wz). Nutrition and cancer. 1981. v. 2 (4). p. 217-223. charts. 59 ref. (NAL Call No.: RC262.C5N8).

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Assessing impacts of ozone on agricultural crops. II. Crop yield functions and alternative exposure statistics (Barley, beans, cotton, peanuts, sorghum, soybeans, tomato, wheat).
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Soybean yields as influenced by peanut hull applications (Waste products, mulch).
Reneau, R.B. Jr. Jones, G.D.; Lutz, J.A. Jr. Madison, Wis., American Society of Agronomy. Agronomy journal. July/Aug 1980. v. 72 (4). p. 682-685. ill. (NAL Call No.: 4 AM34P).

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Pataky, J.K.PHYTA. Beute, M.K.; Wynne, J.C.; Carlson, G.A. St. Paul : American Phytopathological Society. Phytopathology. Nov 1983. v. 73 (11). p. 1559-1563. Includes references. (NAL Call No.: 464.8 P56).

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Stoloff, Leonard. Philadelphia : Franklin Institute Press. Extract: Primary liver-cell cancer (PLC) mortality ratios, computed from death certificate records compiled by the National Center for Health Statistics, for the periods 1968-1971 and 1973-1976 were sorted by race, sex, urbanization, and region. From this sort, rural white males from the Southeast and the "North and West" regions were selected for comparison of mortality ratios and past dietary exposure to aflatoxin. Based on projections of recent aflatoxin contamination information back to the 1910-1960 period, and estimates of corn and peanut usage from household food consumption surveys relating to that period, the expected average daily ingestion of aflatoxin B1 for each group was calculated (Southeast, 13-197 ng/kg bw; North and West, 0.2-0.3 ng/kg bw). An age-adjusted excess PLC mortality ratio was observed for the Southeast population when compared with the "North and West"--10% excess PLC deaths at all ages, and 6% excess PLC deaths for the 30-49 year age-group--but although the difference was in the expected direction in relation to projected past exposure to aflatoxin, it was far from the manyfold difference that would have been anticipated from experiments with rats and from prior epidemiological studies in Africa and Asia. The remaining major portion of the PLC mortality in the Southeast may be attributed to many unidentified causes for which the two populations that were compared were not controlled, leaving in doubt the validity of any attribution of the excess PLC mortality to aflatoxin ingestion. A considerable excess over average US PLC mortality ratios was seen for all Orientals resident in the US and for urban black males. Occurrence of PLC in Orientals has been related to the presence of markers for hepatitis B virus in the blood serum of affected individuals. (author). Nutrition and cancer. 1983. v. 5 (3/4). p. 165-186. ill., charts. Includes 57 references. (NAL Call No.: RC262.C5N8).

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The HPLC (High performance liquid chromatography) analysis of aflatoxins in raw peanuts with Sep-pak cleanup (Food composition analysis).
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Raleigh : American Peanut Research and Education Society. Peanut science. Jan/June 1984. v. 11 (1). p. 21-23. ill. Includes 6 references. (NAL Call No.: SB351.P3P39).

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