

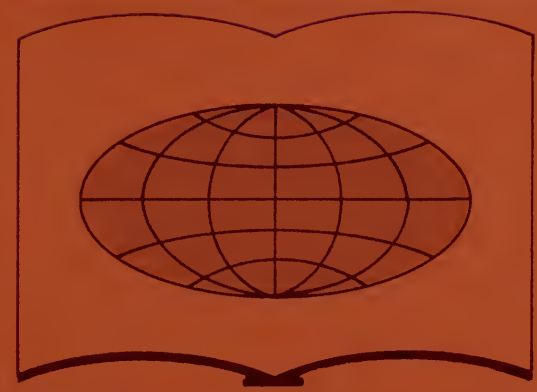
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Pesticides DOCUMENTATION BULLETIN

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These issues of the Pesticides Documentation Bulletin introduce a new computer generated current awareness service. Through the Pesticides Information Center's Update, Publication and Search (PICUPS) system, a categorized bibliographic citation file, accompanied by subject, author, organization and biographical indices will be issued bi-weekly.

All elements of the citations maintained in this mechanized file system are searchable by computer. In addition to the printed subject descriptors appearing in the Bulletin, other subject descriptors are incorporated in the tape file system as machine searchable but non-printable items. In the early issues some of these subject terms appear in the Bulletin as duplications. These duplications will be eliminated in later programs.

Since retrospective information was not previously published in searchable form, the next several issues of the Bulletin will contain selected coverage of pest control literature issued between 1960 and 1966. Additional retrospective material will be incorporated in future bulletins through the special bibliographies prepared by the Center. Current pest control literature will receive comprehensive coverage. Future expansion will include selected abstracts when such abstracts appear in the source document.

Recipients of this introductory issue are invited to send their comments and suggestions for its improvement to the U.S. Department of Agriculture, National Agricultural Library, Pesticides Information Center, 4112-Auditors Building, Washington, D. C. 20250. These comments together with computer produced statistical analyses will provide the bases for future changes.

Blanche L. Oliveri

Blanche L. Oliveri
Acting Director
National Agricultural Library



PESTICIDES DOCUMENTATION BULLETIN

A BI-WEEKLY PUBLICATION OF

U. S. DEPARTMENT OF AGRICULTURE

Volume 4

April 12, 1968

Number 8

OBJECTIVES AND SCOPE

The Pesticides Documentation Bulletin is compiled by the Pesticides Information Center, the first of its kind to be established within a national library. It is a bi-weekly index to the literature on pests and their control and the impact on the economy and man's total environment. The index includes literature on diseases, insects, nematodes, parasites, weeds, and other pests affecting plants, animals, man, our natural resources, and other values in man's environment. Literature on biological, chemical, cultural, ecological, mechanical, and integrated methods of pest control will be included. Special emphasis is given to the literature on the toxicological, physiological and epidemiological aspects of pests and their control by chemical and nonchemical methods.

For broader coverage of literature on agriculture and related subjects, please consult the Bibliography of Agriculture, a monthly publication of the National Agricultural Library.

FORMAT

The Bulletin is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

- 10 Entomology
- 20 Crop Protection
- 30 Livestock Protection
- 40 Commodity Protection
- 50 Environmental Contamination
- 55 Residues
- 60 Toxicology
- 65 Plant Physiology & Biochemistry
- 70 Chemistry
- 80 Engineering
- 90 Industry

Citations: Each citation consists of an accession number assigned serially with the last two digits representing the Bulletin's issue year, i.e. 3286-67. The citation number (minus the year) is used

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ACKNOWLEDGMENT

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BACTERIAL ACTION OF SEVERAL ORGANIC FUNGICIDES AGAINST
ERWINIA AMYLOVORA, AND FIRE BLIGHT DISEASE CONTROL.
Plant Dis Rep 48(3):182-186, TABS.
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Bactericides, Erwinia, Fire blight (fruit), Fungicides.
- 9651-68
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Phytopathology 55(2):130
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- 9652-68
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Phytopathology 55(2):129
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Rhizoctonia, Soils.
- 9653-68
BACTERIA ISOLATED FROM DECAYS AND DISCOLORATIONS IN NORTHERN
HARDWOODS.
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Phytopathology 55(2):129-130
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Bacteria, Hardwoods, Wood decay.
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INFLUENCE OF ENVIRONMENT ON DISEASES OF TURFGRASSES. IV.
EFFECT OF NUTRITION AND SOIL MOISTURE ON LORTICIUM RED
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BENTGRASS.
H B Couch L D Moore
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Agrostis, Dollar spot (grasses), Dyrene, GAB5,
Melting out (poa), ML 373.
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FOMES ANNOSUS.
E B Cowling C S Hodges Jr
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Fomes, Plant disease resistance, Wood decay.
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DELAWARE.
H W Crittenden
Phytopathology 55(5):506
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Soybeans.
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PLASMIDIOPHORA BRASSICAE IN CABBAGE ROOTS.
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Cabbage.
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ETHIOPIAN BARLEYS.
V D Danstregt
Plant Dis Rep 48(6):470
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Barley, Crop varieties, Ethiopia, Plant disease resistance,
Yellow dwarf (barley).
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Mangoes, Necrosis.
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Beets, Damping-off (beets), Seedbeds.
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I W Deep
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Cherries, Crown galls (tomatoes), Mazzard cherries,
Mineralization (nutrients), Necrosis, Tomatoes.
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EOLI (DRUMMOND) COMB. NOV.
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BRUNSWICK, CANADA.
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Downy mildew, Downy mildew (tobacco), Mexico.

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Barley, Insect vectors, Schizaphis, Toxoptera, Yellow dwarf (barley).
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Fomes, Pinus.
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Plant Dis Rep 48(9):678-680
15 Sep 1964 1.9 P69P
Apples, Chenopodium, Chlorotic leafspot (apples).
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J Echeverria
J Sci Food Agr 15(9):II-127-3
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Ecuador, Folpet, Maneb, Potatoes, Puccinia, Thiram, Zineb.
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Leaf rust (wheat), New Jersey, Puccinia, Wheat.
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EXTENSIONS OF THE HOST RANGES AND DISTRIBUTION OF CALICIOSPORIOPSIS SPECIES ON WESTERN CONIFERS.
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Conifers, Host indexing (plants).
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Abstract
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Chemical control (plant diseases), Damping-off (cotton), Fungicides, Rhizoctonia solani.
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Peanuts.
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Phytopathology 55(1):46-48, BIBL.
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Aspergillus, Peanuts.
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J W Gilmore
Plant Dis Rep 51(9):727, MAP REF
Sep 1967 1.9 P69P
Dothiostroma, Fungus diseases (plants), Needle blight (pinus), New Zealand, Pinus radiata, Plant disease resistance. Dothiostroma pini, the cause of a potentially dangerous needle blight of pines, has been recorded in New Zealand. It is believed to be a relatively recent introduction and over the past 4 or 5 years large areas of the three most important pine species, Pinus radiata, P. ponderosa and P. nigra (laricio) have become infected. Two significant factors which may make chemical control economically practicable are the promising results obtained in aerial spray trials in heavily infected stands by a light schedule of copper-based fungicides and the apparent high degree of resistance shown by P. radiata over the age of 20 years.
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Climate, Fomes annosus, Pinus elliotii.
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J Gonzalez M Rosero F Estrada C F Krull C R Adair
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Crop varieties, Boja blanca (rice), Rice.
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Lima beans, Pathogenicity, Seedlings.
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E W Goth R E Ford
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Peas, Streak (peas), Vein mosaic (red clover).
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EXPERIMENTS WITH CALCIUM CYANAMIDE AGAINST EYE-SPOT LODGING OF WHEAT.
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Phytopathology 55(5):503
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Apples, Captan, Conidia, Dodecylguanidine acetate, Dodine, Glyodin, Scab (apples), Venturia.
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J W Guthrie
Plant Dis Rep 48(9):723-727, TABS.
15 Sep 1964 1.9 P69P
Red clover, Root rot (red clover), Symbiosis.
- 9703-68
CORN TREATMENT FOR CONTROL OF FUSARIUM DISEASE OF GLADIOLUS.
F A Haasis
J Sci Food Agr 15(7):II-25-6
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Dowicide B, Fusarium, Gladiolus.
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F A Haasis
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OCCURRENCE OF A NEW VIRUS DISEASE OF CORN IN CALIFORNIA.
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California, Corn.
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OAK WILT IN TEXAS.
R S Halliwell
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Ceratocystis fagacearum, Quercus, Texas.
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R O Hammons G Sowell
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Peanuts.
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O K Hedden
J Sci Food Agr 15(9):II-126-1
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Copper sulfate, Leaves, Spraying.
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E R Hehn
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Crop losses, Crop varieties, Crop yields, Fungus diseases (plants), Plant disease resistance, Puccinia striiformis, Stripe rust (wheat), Wheat. The effect of stripe rust on the yield of six commercial varieties of winter wheat was measured. Cheyenne is used as a resistant check in the study. A yield loss of 28.8 percent was measured in the variety Westmont ht Kalispell. Itana yield loss was calculated at 20.0 percent in Bozeman. The major causes of yield loss were, reduction in 100 kernel weight and number of fertile secondary florets.
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Cytospora, Pesticides, Prunes.
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J W Heuberger
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Apples, Conidia, Humidity, Seed germination, Temperature, Venturia.
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Phytopathology 55 (4):447-449
Apr 1965 464.8 P56
Calcium, Gray mold (tomatoes), Phosphorus, Tomatoes.
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D C B Bsi
Plant Dis Rep 48 (5):381
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New Mexico, Sorghum.
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J Sci Food Agr 15 (7):II-23-25
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Arthrobacter, Bacteria, Pythium.
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COMPARATIVE STUDIES OF THE REACTION OF PUCCINIA SORGHII ON DIFFERENT CORN RACES OF GUATEMALA.
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A E Jenkins
Plant Dis Rep 51 (9):0 785
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H W Johnson
Phytopathology 55 (5):500
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Physotherma, Vetch.
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J D Johnson
Plant Dis Rep 48 (2):136-138
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J Sci Food Agr 12 (3):I-126-9
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F V Juska
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Chemical control (plant diseases), Fungicides, Latex.
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L H Keil T Van Der Zwet
Plant Dis Rep 51 (9)0 753-755
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Antiseptics, Apples, Bacterial diseases (plants), Erwinia amylovora, Fire blight (apples), Pruning, Sodium hypochlorite, Tools.
A replicated greenhouse experiment demonstrated the efficacy of sodium hypochlorite (Clorox) solution to disinfect pruning shears. dipping contaminated shears into a 10 percent Clorox solution for as little as two seconds completely prevented the transfer of viable Erwinia amylovora bacteria to tender, susceptible Jonathan apple twigs cut with the shears. it is recommended to replace the dangerous mercurials normally used as disinfectants for pruning tools in fire blight control.
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Citrus, Plant disease control.
- 9741-68
NUCLEAR INCLUSIONS PRODUCED BY BEAN YELLOW MOSAIC VIRUS AS INDICATORS OF CROSS PROTECTION.
R Koenig
Phytopathology 55(2):242-243
Feb 1965 464.8 P56
Yellow mosaic (beans).
- 9742-68
A SPECIES OF PHYSODERMA PRESENT IN CITRUS AND RELATED SPECIES.
L E Kopf R E Johnson
Phytopathology 55(6):681-687, BIBL., PL.
May 1965 464.8 P56
Citrus, Physoderma.
- 9743-68
DUTCH ELM DISEASE IN KANSAS IN 1963.
C L Kramer H E Thompson
Plant Dis Rep 48(4):324
15 Apr 1964 1.9 P69P
Dieback (ulmus), Kansas.
- 9744-68
EXISTENCE OF PHYTOPHTHORA CINNAMOMI AS CHLAMYDOSPORES IN SOIL.
E G Kuhlman
Phytopathology 55(5):499
May 1965 464.8 P56
Phytophthora, Soils.
- 9745-68
SEED DEVELOPMENT IN TOMATOES INFECTED WITH TOMATO ASPERMY, ASPERMY-RELATED VIRUSES FROM CHRYSANTHEMUM, AND CUCUMBER MOSAIC VIRUS.
R H Lawson
Plant Dis Rep 51 (9)0 723-725
Sep 1967 1.9 P69P
Aspermy (tomatoes), Chrysanthemum, Mosaic (tomatoes), Plant disease transmission, Seed viability, Tomatoes, Virus diseases (plants).
The British type culture of tomato aspermy virus (TAV-B) completely suppresses development of viable seed in tomato fruits. infected tomato plants are stunted and show severe leaf distortion. in addition, some plants produce distorted fruits. three virus isolates from chrysanthemum that are serologically related to TAV-B do not completely inhibit development of viable seeds in tomato fruits. viable seeds were recovered from fruits from tomato plants infected with CMV-Y and CMV-I. none of the viruses tested was transmitted through the tomato seed. although chrysanthemum viruses related to TAV-B have been considered identical to the British type culture, none of the chrysanthemum isolates tested was a true tomato aspermy.
- 9746-68
LYSIS OF UREDOSPORE GERM TUBES OF RUSTS BY SPECIES OF VERTICILLIUM.
J A Leal J R Villanueva
Phytopathology
Jan 1965 464.8 P56
Lysis, Puccinia, Uredinales, Uredospores, Verticillium.
- 9747-68
THE RELATION BETWEEN THE BLACK SPOT DISEASE OF CITRUS AND FUMIGATION WITH HYDROCYANIC ACID.
Phytopathology 55(4):486, BIBL.
Apr 1965 464.8 P56
Black spot (citrus), Citrus, Fumigation, Hydrocyanic acid.
- 9748-68
WATER AND AERATION AS FACTORS IN ROOT DECAY OF CITRUS SINENSIS.
J Letey L J Klotz C K Labanauskas
Phytopathology 55(3):270-275
Mar 1965 464.8 P56
Aeration, Citrus, Water.
- 9749-68
EFFECTS OF TEMPERATURE ON DIBOTRYON MORBOSUM ASCOSPORE GERMINATION.
P H Lewis
Phytopathology 55(5):506
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Culture media, Seed germination, Spores, Temperature.
- 9750-68
DEPTH OF PENETRANCE OF UROMYCES MUSCARI IN HYACINTH BULBS.
D P Limber
Plant Dis Rep 48(7):557
15 Jul 1964 1.9 P69P
Hyacinthus.
- 9751-68
A SELECTIVE HOST RANGE FOR CERTAIN MECHANICALLY TRANSMITTED STONE FRUIT VIRUSES.) 01(
R C Lindner P W Cheney
Plant Dis. Rep 51 (9): 786-790 REF
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Fruit, Host indexing (plants), Plant disease transmission. Washington Agricultural Experiment Stations, Tree Fruit Research Center, cooperating.
- 9752-68
CORN STUNT VIRUS DISEASE IN KENTUCKY.
F Loeffel J Shane
Plant Dis Rep 48(9):742
15 Sep 1964 1.9 P69P
Corn, Kentucky, Stunt (corn).
- 9753-68
AN EFFECTIVE PROCEDURE FOR THE MECHANICAL TRANSMISSION OF ONION YELLOW DWARF VIRUS.
J W Lorbeer
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Onions, Plant disease transmission.

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EFFECTIVENESS OF FUNGICIDES IN REDUCING SOFT ROT IN WASHED,
CURED SWEETPOTATOES.
Plant Dis Rep 48(,):606-607
15 Aug 1964 1.9 P69P
Sweetpotatoes.
- 9755-68
CLUBROOT OF RUTABAGA IN LOUISIANA.
Plant Dis Rep 48(7):574
15 Jul 1964 1.9 P69P
Clubroot (brassica), Clubroot (rutabagas), Louisiana,
Rutabagas.
- 9756-68
PHYSIOLOGICAL CHANGES WHICH PRECEDE VIRUS-INDUCED WILT OF
TABASCO PEPPER.
Phytopathology 55(5):498
May 1965 464.8 P56
Etch (tobacco), Immunization, Tobacco.
- 9757-68
ENZYME LEVELS IN TOBACCO LEAF TISSUES AFFECTED BY THE
WILDFIRE TOXIN.
L Lovrekovich
Phytopathology 55(5):519-524, BIBL. 523-524
May 1965 464.8 P56
Chlorosis (tobacco), Leaves, Metabolism, Tobacco,
Wildfire (tobacco).
- 9758-68
INFECTION OF INFLORESCENCE OF POA PRATENSIS BY HELMINTHO-
SPORIUM VAGANS.
R J Lukens
Plant Dis Rep 51 (9) 0 752
Sep 1967 1.9 P69P
Fungus diseases (plants), Helminthosporium vagans,
Poa pratensis.
- 9759-68
FACTORS AFFECTING THE DISPERSAL OF LIQUID SEED DRESSINGS
AMONG CEREAL SEEDS.
J E Machacek
J Sci Food Agr 15(7):II-22-3
Jul 1964 382 S012
Augers, Grain, Loading equipment, Seed treatment.
- 9760-68
THE OCCURRENCE AND DECLINE OF DOWNY MILDEW ON LIMA BEANS IN
THE MIDDLE ATLANTIC STATES.
J Macleod J W Heuberger
Plant Dis Rep 48(4):316-317
15 Apr 1964 1.9 P69P
Downy mildew (lima beans), Lima beans.
- 9761-68
A NEW FRUIT SPOT OF CHILLIES FROM INDIA.
Plant Dis Rep 48(9):733-734
15 Sep 1964 1.9 P69P
Chilis, India.
- 9762-68
A NEW FRUIT SPOT OF ANNONA SQUAMOSA FROM INDIA.
Plant Dis Rep 48(5):399-401
15 May 1967 1.9 P69P
Custard apples.
- 9763-68
A NEW LEAF SPOT OF ROSE FROM INDIA.
Plant Dis Rep 48(5):397-399
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India, Rosa.
- 9764-68
RUSSET CRACK, A NEW VIRUS DISEASE OF SWEETPOTATOES.
W J Martin
Plant Dis Rep 48(3):149-151, PL.
15 Mar 1964 1.9 P69P
Russet crack (sweetpotatoes), Sweetpotatoes.
- 9765-68
AN ATTEMPT TO ESTIMATE LOSS CAUSED BY THE STRIPE DISEASE OF
BARLEY.
S C Mathur G K Bajpai
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Barley, Plant injuries, Stripe mosaic (barley).
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BY TOBACCO MCSAIC VIRUS.
C Matsui
Phytopathology 55(4):484-485, BIBL., PL.
Apr 1965 464.8 P56
Mosaic (tobacco), Necrosis, Nicotiana, Tobacco.
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PHENOL OXIDASE ACTIVITY IN EXTRACTS OF RHIZOCTONIA SOLANI-
INFECTED HYPOCOTYLS OF BEAN AND ITS DISTRIBUTION IN RELATION
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D P Maxwell
Phytopathology 55(2):127
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Beans, Phenolases, Plant extracts.
- 9768-68
INTERNATIONAL REGISTER OF PATHOGENIC RACES OF PUCCINIA
CORONATA VAR. AVENAE.
L J Michel
Plant Dis Rep 48(10):763-766, BIBL. 766, TABS.
15 Oct 1964 1.9 P69P
Oats, Plant taxonomy, Puccinia.
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VIRUS GUMMOSIS OF MONTMORENCY CHERRY.
J A Milbrath M D Aichele
Plant Dis Rep 48(4):277-279
15 Apr 1964 1.9 P69P
Cherries, Gummosis (cherries).
- 9770-68
ASSOCIATION OF CELLULOLYTIC, PROTEOLYTIC, AND XYLOLYTIC
ENZYMES WITH SOUTHERN ANTHRACNOSE, SPRING BLACK STEM, AND
STEMPHYLIUM LEAF SPOT OF ALFALFA.
R L Millar
Phytopathology 55(3):356-360, BIBL. 360
Mar 1965 464.8 P56
Anthracnose (alfalfa), Leaf spot (alfalfa), Plant enzymes,
Spring black stem (alfalfa).
- 9771-68
RELATIVE IMPORTANCE OF POLYGALACTURONATE TRANS-ELIMINASE AND
OTHER PECTOLYTIC ENZYMES IN SOUTHERN ANTHRACNOSE, SPRING
BLACK STEM, AND STEMPHYLIUM LEAF SPOT OF ALFALFA.
R L Millar
Phytopathology 55(3):346-355, BIBL. 354-355, TABS., PL.
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Alfalfa, Anthracnose (alfalfa), Leaf spot (alfalfa),
Pectinase, Pectins, Plant enzymes.
- 9772-68
VERTICILLIUM WILT OF STRAWBERRIES MADE WORSE BY SOIL
FUNGICIDES THAT STIMULATE MEADOW NEMATODE POPULATIONS.
P M Miller
Plant Dis Rep 48(4):246-248, BIBL. 247-248
15 Apr 1964 1.9 P69P
Fungicides, Nematodes, Pratylenchus, Pratylenchus,
Strawberries, Wilt (strawberries).
- 9773-68
HEAT THERAPY AS A METHOD FOR OBTAINING VIRUS-FREE CLONES OF
APPLES.
D F Millikan
Plant Dis Rep 48(5):343
15 May 1964 1.9 P69P
Apples, Heat treatment, Virus diseases (plants).
- 9774-68
OBSERVATIONS ON THE APPEARANCE OF THE LITTLE LEAF
(STUBBORN) DISEASE OF CITRUS.
Plant Dis Rep 48(10):761-762
15 Oct 1964 1.9 P69P
Citrus, Stubborn disease (citrus).
- 9775-68
TESTING FOR RESISTANCE OF AVOCADO TO PHYTOPHTHORA IN
NUTRIENT SOLUTION.
S M Mircetich
Phytopathology 55(4):487-489, BIBL. 488-489, PL.
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Avocados, Phytophthora, Plant disease resistance.
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SCLEROTINIA BLIGHT ON NUTGRASS IN MISSISSIPPI.
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Cyperus, Cyperus rotundus, Mississippi, Sclerotinia.

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Citrus, Fruit, Host indexing (plants), Ipomoea, Ornamental plants, Plant introduction, Plant quarantine, Prunus, Solanum, Vegetables, Virus diseases (plants), Virus diseases (plants), Vitis.
- 9778-68
COMPARISON OF FIXED COPPER AND DODINE SPRAYS WITH VARIOUS ADDITIVES FOR CONTROL OF BACTERIAL SPOT, XANTHOMONAS VESICATORIA, OF PEPPER FRUIT.
A L Morehart J F Faniecki W Hiehn
J Sci Food Agr 15(7):II-25-9
Jul 1964 382 S012
Copper sulfate, Dodine, Xanthomonas.
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DIPHENYLAMINE COLOUR REACTION OF LEAF EXTRACTS FROM PLANTS INFECTED WITH PCTATO LEAF-ROLL VIRUS.
W C Mueller
J Sci Food Agr 15(7):II-26-5
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Colorimetry, Diphenylamine, Leaf roll (potatoes), Leaves, Potatoes, Sugars.
- 9780-68
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J A Muir
Plant Dis Rep 51 (9)0 798-799
Sep 1967 1.9 P69P
Arceuthobium americanum, Colletotrichum gloeosporioides, Fungus diseases (plants), Parasitic plants, Pinus contorta latifolia.
Colletotrichum gloeosporioides Penz. sensus von Arx was recorded on Arceuthobium americanum Nutt. ex Engelm. from eastern British Columbia, Alberta, and Saskatchewan. It was also found coincident with the other hyperparasites Wallrothiella arceuthobii (Pk.) Sacc. and Septogloeum gillii Ellis at several localities.
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REDUCTION OF SEED-BORNE FUNGI BY ETHYLENE OXIDE, HOT AIR, AND VOLATILE CHEMICALS.
J J Natti
Phytopathology 55(2):128
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Air, Ethylene oxide, Seed-borne plant diseases, Volatile substances.
- 9782-68
NITROGEN SUPPLEMENT AS A POSSIBLE CONTROL FOR VERTICILLIUM WILT OF COTTON.
D C Neal J B Sinclair
J Sci Food Agr 12(2) I-78-4
Feb 1961 382 S012
Sodium nitrate, Wilt (cotton).
- 9783-68
COPPER-ZINC CHROMATE AND DODINE SHOW PROMISE IN THE CONTROL OF BACTERIAL SPOT OF PEACH.
Plant Dis Rep 48(3):152-153
15 Mar 1964 1.9 P69P
Bacterial spot (peaches), Dodine, Peaches.
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Phytopathology 55(4):482-483, BIBL.
Apr 1965 464.8 P56
Cherries, Plant disease transmission, Pollen, Sour cherry yellows (cherries), Virus diseases (plants).
- 9785-68
LONGEVITY OF SOUR CHERRY YELLOW VIRUS IN INFECTED CHERRY SEEDS.
Plant Dis Rep 48(5):338-339
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Sour cherries, Yellows (cherries).
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Alcohols, Citrus.
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L M O'Brien D J Morton W J Manning R W Scheetz
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Fungus diseases (plants), Peppers, Serological tests, Tomatoes, Xanthomonas vesicatoria.
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Plant Dis Rep 48(6):487-488
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Ohio, Plant diseases, Quercus, Wheat.
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NEW CORN STUNT ISOLATES FROM FIELD-INFECTED CORN IN FLORIDA, LOUISIANA, AND MISSISSIPPI.
S W Orenski J Suykerbuyk
Phytopathology 55(2):129
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Corn, Louisiana, Mississippi, Florida, Stunt (corn).
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MODE OF INFECTION AND PREVENTION OF DIPLODIA STEM-END ROT OF MANGO FRUITS (MANGIFERA INDICA).
V N Pathak D N Srivastava
Plant Dis Rep 51 (9)0 744-746 REF
Sep 1967 1.9 P69P
Diplodia natalensis, Fungicides, Fungus diseases (plants), Mangoes, Plant disease transmission, Stem end rot (mangoes).
The avenues of natural infection of uninjured mango fruits by spores of Diplodia natalensis P. Evans were the exposed surface of the attached pedicel or the stem-end scar when the pedicel was removed. Infection did not occur through the uninjured epicarp or sides of the pedicel. Unripe fruits with and without pedicels exposed in the orchard for 8 hours following harvest and later stored in cellophane bags in the laboratory showed 9 and 24 percent infection respectively, at ripening time when such fruits were put in cellophane bags immediately after harvest, they remained free from infection. Similarly, fruits with pedicels where the exposed ends of the latter were coated with a fungicidal paint immediately after harvest and exposed in the orchard for 8 hours failed to show any stem-end rot on ripening. Based on these studies, measures to prevent the disease have been suggested.
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EFFECT OF PHYTOXIC SUBSTANCES FROM DECOMPOSING PLANT RESIDUES ON ROOT ROT OF BEAN.
Z A Patrick
J Sci Food Agr 15(7):II-21-8
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Beans, Fusarium, Plant residues, Poisons, Root rot (beans).
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CERATOCYSTIS CANCKER OF ASPEN IN PENNSYLVANIA.
Plant Dis Rep 48(6):441
15 Jun 1964 1.9 P69P
Canker (populus), Ceratocystis fimbriata, Pennsylvania, Populus.
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PRESERVATION OF XANTHOMONAS ALBILINEANS ISOLATES IN DISTILLED WATER.
J E Perez A Cortes-Monllor
Plant Dis Rep 51 (9)0 739
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Bacterial diseases (plants), Culture media, Distilled water, Puerto Rico, Sugarcane, Xanthomonas albilineans.
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ORCHARD EVIDENCE OF DIRECT PENETRATION OF PEACH LEAF BLADES BY GERMINATING CONIDIA OF THE BROWN ROT FUNGUS.
D H Petersen N E McGlohon
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Sep 1967 1.9 P69P
Brown rot (peaches), Fungus diseases (plants), Monilinia fructicola, Peaches.
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CARBOHYDRATE LIBERATION BY THE ROOTS OF RED CLOVER SEEDLINGS.
J L Peterson
Phytopathology 55(2):131

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LEAF SPOT OF ANNUAL PHLOX CAUSED BY STEMPHYLIUM BOTRYOSUM.
J L Peterscn
Plant Dis Rep 51 (9)0 741-742
Sep 1967 1.9 P69P
Crop varieties, Fungus diseases (plants), Humidity,
New Jersey, Phlox drummondii, Stenphylium botryosum.
Light tan lesions on leaves of annual phlox plants were
proved to be caused by Stenphylium botryosum. the disease
is enhanced by periods of high humidity and can be severe
if allowed to progress during these periods. reduction of
greenhouse humidity stops the disease spread. differences
in disease susceptibility were noted in four varieties of
phlox.
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NON-ROSACEOUS HOSTS OF PHRAGMIDIUM (UREDINALES).
R S Peterson E A Cronin
Plant Dis Rep 51 (9)0 766-767
Sep 1967 1.9 P69P
Agropyron, Fungus diseases (plants), Phragmidium,
Pucciniaceae, Viola.
- 9798-68
TOXICITY OF PENTACHLORONITROBENZENE TO MAGNOLIA FUSCATA.
A G Plakidas
J Sci Food Agr 12(3):I-126-3
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Magnolia, Fentachloronitrobenzene.
- 9799-68
ROOT-KNCT NEMATODES AS A PROBLEM ON THE GROUND COVER
HYDROCOTYLE SIBTHORPIODES.
F A Pokorny
Plant Dis Rep 48(4):307
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Hydrocotyle, Nematodes.
- 9800-68
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R E Pontis
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SEROLOGICAL COMPARISON OF CRONARTIUM FUSIFORME, C. QUERCUM,
AND C. RIBICOLA BY IMMUNODIFFUSION TESTS.
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Cronartium, Culture media.
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15 Sep 1964 1.9 P69P
Ethiopia, Niger (plant).
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Apr 1965 464.8 P56
Corn, Genes, Plant disease resistance, Puccinia.
- 9804-68
A NEW FUSARIUM WILT OF COFFEE (COFFEA ARABICA) IN SOUTH
INDIA.
M J Rahman S Subramanian
Plant Dis Rep 51 (9)0 758-759
Sep 1967 1.9 P69P
Fungus diseases (plants), Fusarium solani minus,
Wilt (coffee).
During an examination of diseased coffee plant material from
private estates, a vascular wilt disease of coffee was
noticed for the first time. the causal agent has been
identified as Fusarium solani var. minus Wr., which is a
new record.
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INTERACTION OF TWO PLANT VIRUSES AND THE CROWN GALL
BACTERIUM IN TOBACCO.
S P Raychaudhuri
Phytopathology 55(2):130
Feb 1965 464.8 P56
Agrobacterium, Crown galls (tobacco),
- Mosaic (chilli redpeppers), Tobacco, Virus x (potatoes).
- 9806-68
SCHIZOPHYLLUM COMMUNE FR. ISOLATED FROM STORED DOUGLAS-FIR
CONES.
J H Rediske
Plant Dis Rep 48(3):234-235
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Fungus diseases (plants).
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DEW -- A PRINCIPAL MOISTURE FACTOR ENABLING EARLY BLIGHT
EPIDEMICS IN A SEMIARID REGION OF ISRAEL.
I Reichert
Plant Dis Rep 48(3):211-215, TABS.
15 Mar 1964 1.9 P69P
Blight (tomatoes), Dew, Early blight (potatoes), Israel,
Potatoes, Tomatoes.
- 9808-68
ON THE TAXONOMIC POSITION OF THE WEST INDIA GHERKIN AND
ITS REACTION TO THE CITRUS INFECTIOUS VARIEGATION VIRUS.
D A Reynolds
Plant Dis Rep 48(5):420
15 May 1964 1.9 P69P
Infectious variegation (oranges), Plant taxonomy.
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THE EFFECT OF FOUR ISOLATES OF LITTLE CHERRY VIRUS ON FRUIT
SIZE.
J E Reynolds
Plant Dis Rep 48(2):124-126
15 Feb 1964 1.9 P69P
Little cherry (cherries), Mazzard cherries.
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OBSERVATIONS ON CHICKPEA RUST IN CENTRAL MEXICO.
E L Reynosa J Ortega
Phytopathology 55(2):125
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Mexico, Stellaria media.
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ROLE OF THE R-GROUP IN THE FUNGITOXICITY OF R.SCC<L3
COMPOUNDS.
S Rich J G Horsfall
Phytopathology 55(6):658-662, BIBL., TABS.
Jun 1965 464.8 P56
Fungicides, Toxicology.
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ANTIMICROBIAL ACTIVITY OF ORGANOGermanium DERIVATIVES.
F Bijkens G M J van der Kerk A Manten
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Bacteria, Germanium compounds, Yeasts.
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EVALUATING GENETIC POTENTIALS IN HELMINTHOSPORIUM TURCICUM.
A L Robert G F Sprague
Phytopathology 55(4):418-420
Apr 1965 464.8 P56
Helminthosporium, Plant genetics.
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DOWNY MILDEW AND HEAD SMUT DISEASES OF SORGHUM IN TEXAS.
D T Rosenow R W Berry M C Futrell
Plant Dis Rep 48(4):249-253
15 Apr 1964 1.9 P69P
Downy mildew (sorghum), Head smut (sorghum), Sorghum, Texas.
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A RINGSPOT VIRUS DISEASE OF SKIMMIA SP..
Phytopathology 55(2):131
Feb 1965 464.8 P56
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ALTERNATE HOST OF PUCCINIA RECONDITA P. SP. TRITICI.
E E Saari B C Curtis
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Puccinia, Thalictrum.
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OCCURRENCE OF PERITRECIAL STAGE OF ERYSIPIHE POLYGOINI ON
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W P Sappenfield R D Hicks T D Wyllie
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Alternaria, Cercospora, Leaf blight (cotton), Missouri.
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M M Satour
Plant Dis Rep 48(5):359-363, TABS.
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Boll rot (cotton), Fungicides, Rhizopus.
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A L Scharen L W Greeley
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Barley, Plant disease resistance, Wheat.
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Mexico, Rust (corn).
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C D Schwartze
Phytopathology 55(5):503
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Fungus diseases (plants), Necrosis, Phytophthora, Raspberries.
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C E Seliskar
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Chlorotic dwarf (*Pinus strobus*), *Pinus*, *Pinus strobus*, Plant grafting.
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ROOT-TO-ROOT SPREAD OF PSEUDOMONAS SOLANACEARUM.
I Sequeira
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Mar 1965 464.8 P56
Pseudomonas, Roots.
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Methoxybenzoxazolinone, 6-, Plant pest resistance, Pyrausta.

10014-68

CHANGES IN PEROXIDASE-ISOZYME PATTERNS INDUCED BY VIRUS INFECTION.

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Culture media, Kidney beans, Mosaic (alfalfa), Mosaic (tobacco), Necrosis, Nicotiana glutinosa, Peroxidases, Tobacco, Virus diseases (plants).

Abstract

10015-68

BIOLOGICAL CONTROL OF SUGAR CANE APHID PESTS IN THE WEST INDIES (HOMOPTERA, APHIDOIDEA, HYMENOPTERA, APHIDIIDAE). I.

P Stary

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Aphididae, Biological control (insects), Braconidae, Pest control, Sugarcane.

10016-68

LEUCOPIS SIMPLEX (DIPTERA CHAMAEMYIIDAE) AND OTHER SPECIES OCCURRING IN GALLS OF PHYLLOXERA VITIFOLIAE (HOMOPTERA PHYLLOXERIDAE) IN ONTARIO.

A B Stevenson

Can Entomol 99(8)0815-820 REF

Aug 1967 421 C16

Chamaemyiidae, Leaf gall (grapes), Leucopis simplex, Phylloxera vitifoliae, Predaceous insects.

Abstract

10017-68

HOUSE SPARROWS NONPREDACEOUS ON TOBACCO HORNWORMS IN INDUCED FEEDING EXPERIMENTS.

P A Stewart

J Econ Entomol 60(4)01180

15 Aug 1967 421 J822

Manduca sexta, Natural control (insects), Sparrows, Tobacco.

10018-68

CONTROL OF STRIPE SMUT, USTILAGO STRIFORMIS, (WEST.) NIESSI, ON KENTUCKY BLUEGRASS.

E M Stoddard

J Sci Food Agr 12(3):I-127-4

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Nabam, Poa, Stripe smut.

10019-68

THE WHITE COFFEE BORER, ANTHOES LEUCONOTUS, PASC., AND ITS CONTROL.

R G Tapley

J Sci Food Agr 12(2) I-77-4

Feb 1961 382 S012

Coffee, Dieldrin, White coffee borer.

10020-68

EFFECTS OF FUNGICIDE-INSECTICIDE SEED TREATMENTS ON EMERGENCE, GROWTH AND YIELD OF IRRIGATED COTTON IN THE SUDAN GENERA.

S A J Tarr

J Sci Food Agr 12(2) I-78-1

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Cotton, Dieldrin, Methoxyethylmercuriacetate, Plant physiology, Seed treatment.

10021-68

NOTE ON THE INCIDENCE OF SITONA SPP ROOT INJURY, AND ROOT ROT IN FORAGE LEGUMES IN THE MARITIME PROVINCES.

L S Thompson C B Willis

J Econ Entomol 60(4)01181-1182

15 Aug 1967 421 J822

Fusarium, Plant injuries, Root rot (alfalfa), Root rot (alsike clover), Root rot (birdsfoot trefoil), Root rot (red clover), Root rot (white clover), Roots, Sitona hispidula.

10022-68

SYSTEMIC INSECTICIDES FOR CONTROL OF SOYBEAN INSECTS IN SOUTH CAROLINA.

S G Turnipseed

J Econ Entomol 60(4)01054-1056

15 Aug 1967 421 J822

Chemical control (insects), Soybeans, Systemic insecticides.

Abstract

10023-68

HEXACHLOROCYCLOPENTADIENE, A PROMISING NEW INSECTICIDE FOR THE CONTROL OF THE ROOT FORM OF THE GRAPE PHYLLOXERA.

J Van Geluwe D Lavatsch

J Sci Food Agr 12(3)HI-128-3

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Grapes, Phylloxera.

10024-68

INSECTICIDE STUDIES ON THE MAIZE STALK BORDER, BUSSEOLA FUSCA (FULLER) IN E. AFRICA.

P T Walker

J Sci Food Agr 12(2) I-76-2

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Busseola, Cornstalk borer, DDT, Endrin.

- 10025-68
APPLICATION OF SYSTEMIC INSECTICIDES AS SEED TREATMENT TO PROTECT WHEAT PLANTS AGAINST GRASSHOPPERS AND WHEAT STEM SAWFLY.
L E Wallace
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Cephus, Disyston, Grasshoppers, Phorate, Seed treatment, Wheat.
- 10026-68
THE NATURE AND CAUSES OF ANNUAL FLUCTUATIONS IN NUMBERS OF APHIS FABAE SCOP CN FIELD BEANS (VICIA FABA).
M J Way
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Aphis fabae, Beans, Euonymus europaeus, Insect populations. Abstract
- 10027-68
RESISTANCE OF WHEAT SELECTIONS TO ARTIFICIAL INFESTATIONS OF GREENEUGS.
E A Wood B C Curtis
J Econ Entomol 60 (4)01084-1088
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Cultural control (insects), Plant pest resistance, Schizaphis graminum, Wheat. Abstract
- 10028-68
EFFECT OF DDT ON CONTROL OF CORN EARWORMS IN SWEET CORN ENTRIES SELECTED FOR VARYING RESISTANCE.
J R Yung K J Starks
J Econ Entomol 60 (4)01091-1094
15 Aug 1967 421 J822
Chemical control (pests), DDT, Heliothis zea, Plant pest resistance, Sweetcorn. Abstract
- 10029-68
LABORATORY EVALUATION OF DIAZINON AS A WHEAT PROTECTANT.
R W Zwick P Sikorowski M Weller
J Sci Food Agr 15(8):II-84-1
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Diazinon, Oryzaephilus, Sitophilus, Tribolium, Wheat.
- 10030-68
EFFICACY OF AN EXTRACT FROM SEAWEED AND CERTAIN LAND PLANT TISSUES FOR CONTROLLING SUGARBEET NEMATODE, HETERODERA SCHACHTII.
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Heterodera schachtii, Nematocides, Sugar beets.
- 10031-68
INSECTICIDE ROW TREATMENTS FOR THE CONTROL OF WIREWORMS IN POTATOES.
J Sci Food Agr 12(3):I-127-1
Mar 1961 382 S012
Aldrin, Elateridae, Heptachlor, Insecticide application, Potatoes.
- 10032-68
EFFECT OF ORGANIC SOIL AMENDMENTS ON NEMATODE POPULATIONS.
J Sci Food Agr 15(7):II-24-1
Jul 1964 382 S012
Alkaline soils, Plant nematodes, Soil amendments.
- 10033-68
CONTROL OF HETERODERA SCHACHTII.
J Sci Food Agr 15(9):II-127-2
Sep 1964 382 S012
Dibromo-3-chloropropane, 1,2-, Dichloropropane dichloropropene mixture, Heterodera, Sugar beets.
- 10034-68
CONTROL OF MAIZE NEMATODES.
J Sci Food Agr 15(8):II-84-5
Aug 1964 382 S012
Corn, Plant nematodes, Vorlex.
- 10035-68
EFFECT OF SOIL APPLICATION AND SEALING METHOD ON THE EFFICACY OF ROW APPLICATION OF SOIL NEMATOCIDES FOR CONTROLLING ROOT-KNOT NEMATODES, WEEDS AND FUSARIUM WILT OF OKRA.
J Sci Food Agr 15(9):II-125-11
Sep 1964 382 S012
Fusarium, Nematocides, Okra, Pesticide application, Plant nematodes, Plastic tunnels, Soil sanitation, Weeds.
- 10036-68
CONTROL OF PARASITIC FELWORMS IN BANANAS.
J Sci Food Agr 12(3):I-128-4
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Bananas, Dibromo-3-chloropropane, 1,2-, Nematodes.
- 10037-68
HATCH OF BEET EELWORM, HETERODERA SCHACHTII, SCHM., LARVAE IN RIVANOL, AND ITS USE FOR THE ESTIMATION OF FIELD POPULATIONS.
J Sci Food Agr 15(8):II-84-9
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Beets, Heterodera, Larvae, Population.
- 10038-68
CHEMICAL CONTROL OF THE RASPBERRY ROOT BORER, PEMBECCIA MARGINATA, (HARR.) ON LOGANBERRY IN BRITISH COLUMBIA.
H Andison
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Diazinon, Mevinphos.
- 10039-68
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H M Austenson W D Courtney
J Sci Food Agr 12(2):I-79-7
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Agrostis, Amitrole, Dalapon, Maleic hydrazide, Nematodes.
- 10040-68
THE HATCHING RESPONSE OF MELOIDOGYNE INCOGNITA AS AFFECTED BY ROOT EXUDATES PRODUCED UNDER DIFFERENT SOIL MOISTURE STRESSES.
J R Bloom
Phytopathology 55(2):128
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Meloidegonyne, Plant nematodes, Roots, Soil moisture.
- 10041-68
THE EFFECT AND CONTROL OF STING NEMATODES ON ORMOND BERMUDA GRASS.
E O Burt
Plant Dis Rep 48(8):625-628, TABS.
15 Aug 1964 1.9 P69P
Cynodon, Grasses.
- 10042-68
EFFECT OF HOT WATER TREATMENT OF SEED TUBERS AND SOIL FUMIGANTS FOR CONTROL OF ROOT-KNOT ON YIELD OF CALADIUM.
Plant Dis Rep 48(7):568-571, TABS.
15 Jul 1964 1.9 P69P
Fumigants, Tubers.
- 10043-68
NATURE OF RESISTANCE IN SOYBEAN VARIETIES RESISTANT TO HETERODERA GLYCINES.
A Y Chambers
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Heterodera, Nematodes, Plant disease resistance, Roots, Soybeans.
- 10044-68
NATURE OF SOYBEAN RESISTANCE TO HETERODERA GLYCINES.
A Y Chambers J M Epps
Plant Dis Rep 51 (9)0 771-774 REF
Sep 1967 1.9 P69P
Heterodera glycinis, Plant nematode resistance, Plant nematodes, Soybeans.
Tennessee agricultural experiment station cooperating. We rooted tops and stems of soybean plants of susceptible varieties Lee and Hill, resistant variety Peking, resistant strain NC 55, and resistant d63-7320 and D63-7327 and inoculated the roots with larvae of the soybean cyst nematode, Heterodera glycinis. the adventitious roots from tops and stems from all susceptible plants became heavily infected with white females none was observed on

Nematodes

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- adventitious roots of resistant plants. scions of resistant Peking and NC 55 soybeans were grafted to susceptible Lee rootstocks, and Lee scions were grafted to Peking and NC 55 rootstocks. roots of grafted plants with susceptible scions and resistant rootstocks were free of white females, while roots of grafted plants with resistant scions and susceptible rootstocks became heavily infected. our results suggest that the factor(s) for resistance or susceptibility to *H. glycines* is not synthesized in one part of the soybean plant and translocated to other parts, but is probably genetically inherent in tops, stems and roots of resistant plants.
- 10045-68**
A POSSIBLE BIOLOGICAL CONTROL OF ROOT-KNOT NEMATODES.
M V Desai
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15 Mar 1964 1.9 P69P
- 10046-68**
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E D Donnelly R L Shepherd
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Meloidogyne, Nematodes, Vetch.
- 10047-68**
COMPARATIVE SUITABILITY OF HOSTS FOR REPRODUCTION OF HETERODEA GLYCINES.
J M Epps
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Heterodera, Nematodes.
- 10048-68**
SPECIES OF CUCUMIS RESISTANT TO THE ROOT-KNOT NEMATODE, MELOIDOGYNE INCOGNITA ACRITA.
G Fassuliotis
Plant Dis Rep 51(9) 720-723
Sep 1967 1.9 P69P
Cucumis, Meloidogyne incognita acrita,
Plant nematode resistance.
Fourteen species of Cucumis were examined for resistance to Meloidogyne incognita acrita. resistance was found in C ficifolus, C. longipes, C. metuliferus, and C. heptadactylus.
- 10049-68**
FACTORS AFFECTING THE HATCHING ACTIVITY OF SUGARBEET-ROOT DIFFUSATE.
J M Fife
Plant Dis Rep 48(3):229-233, TABS.
15 Mar 1964 1.9 P69P
Plant pests, Sugarbeets.
- 10050-68**
PLANT PARASITIC NEMATODES ASSOCIATED WITH SABAL PALMETTO ON VIRGIN LANE IN THE FLORIDA EVERGLADES.
Plant Dis Rep 48(7):533
15 Jul 1964 1.9 P69P
Nematodes, Florida, Sabal palmetto.
- 10051-68**
EFFECT OF REPEATED APPLICATIONS OF NEMATOCIDES ON VEGETABLE YIELDS AND NEMATODE POPULATIONS IN MUCK SOIL.
O Hedden
Plant Dis Rep 48(9):698-702, TABS.
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Meloidogyne, Paratylenchus, Pratylenchus, Vegetables.
- 10052-68**
CONTROL OF STUBBY ROOT NEMATODE IN OREGON PLANTINGS BY SOIL FUMIGATION.
E F Hopper G E Page
Plant Dis Rep 48(3):225-227
15 Mar 1964 1.9 P69P
Nematocides, Nematodes, Oregon.
- 10053-68**
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Heterodera, Potatoes.
- 10054-68**
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Phytopathology 55(6):615-619, BIBL., TABS., PL.
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Alfalfa, Maneb, Nematodes, Plant cuttings, Soil chemistry, Spraying, Xiphinema, 1,2-dibromo-3-chloropropane.
- 10055-68**
TWO UNRECORDED HOSTS OF MELOIDOGYNE JAVANICA.
L C Knorr
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15 Jun 1964 1.9 P69P
Host indexing (plants), Meloidogyne javanica, Plant nematodes.
- 10056-68**
OCCURRENCE AND CONTROL OF A NEMATODE OF THE GENUS HYPSEPERINE ON ZOYSIA AND BERMUDA GRASSES IN MARYLAND.
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Cynodon dactylon, Hypsoperine, Maryland, Nematodes, Zoysiagrass.
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J Lafrance
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Dieldrin, Disulfoton, Endrin, Heptachlor, Hylemya, Onions, Toxaphene.
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E P Lloyd H E Merkl R E Furr
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Anthonomus grandis, Azinphosmethyl, Carbaryl, Ddt, Heliothis zea, Malathion, Methyl parathion.
- 10059-68**
A ROOT-LESION NEMATODE FOUND INFESTING EUCALYPTUS TREES IN BRAZIL.
L G E Lordello
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Eucalyptus, Plant nematodes, Pratylenchus brachyurus.
- 10060-68**
THE FEEDING OF TRICHODORUS CHRISTIEI ON INDIVIDUALLY ISOLATED CORN ROOT CELLS.
W F Mai
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Corn, Trichodorus.
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Nematodes, Rotylenchulus, Sweetpotatoes.
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F D McElroy
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Host indexing (plants), Washington.
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Nematodes.
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J H O Bannon H W Reynolds
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Cotton, Root knot (cotton), Seed treatment, 1,2-dibromo-3-chloropropane.

- 10065-68
INFLUENCE OF PRECEDING VEGETABLE CROP ON NEMATODE POPULATIONS THE FOLLOWING YEAR.
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Crop rotation, Nematodes.
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Greenhouses, Hydrocotyle, Nematodes.
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Peaches, Plums.
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Abstract
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Arthropods

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Captan, Dinocap, Fruit processing, Gooseberries, Lime, Strawberries, Sulfur, Syrups, Taste testing, Thiram.
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Apples, Cold storage, Fatty acids, Packing materials, Scald (apples).
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WAX EMULSION ADDITIVES FOR CONTROL OF STORAGE DECAY IN LEMONS.
P R Harding
Plant Dis Rep 51 (9)0 781-784 REF
Sep 1967 1.9 P69P
Aminobutane, 2-, Borax, Dichloro-4-nitroaniline, 2,6-, Emulsions, Fungicides, Fungus diseases (plants), Lemons, Penicillium, Sodium orthophenylphenate, Storage diseases, Thiabendazole, Waxes.
Several chemicals, namely, borax, sodium orthophenylphenate, thiabendazole, 2-aminobutane, and 2,6-dichloro-4-nitroaniline, were tested separately in a wax emulsion for control of Penicillium mold decay in stored lemons. The lemons were scratch-inoculated with mold spores 24 hours before application. The wax emulsion with additives allowed decay as follows: 12.82 percent decay with 3 percent borax 7.03 percent decay with 1.0 percent sodium orthophenylphenate tetrahydrate 1.09 percent decay with 500 ppm thiabendazole 26.97 percent decay with 0.5 percent 2-aminobutane and 3.08 percent decay with 0.5 percent 2,6-dichloro-4-nitroaniline. Thiabendazole and 2,6-dichloro-4-nitroaniline were more effective against Penicillium decay than were any of the other additives. Each of the two chemicals, however, was insoluble in the wax emulsion and had to be used as a non-colloidal suspension such suspensions required agitation at the time of using.
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Ascochyta, Chloropicrin, Ethylene oxide, Mercury, Methyl bromide, Peas, Seeds.
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Arthropods

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Insects, Storage.
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J Sci Food Agr 12(1):I-54-2
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Grain, Insects, Malathion, Pyrethrum, Storage.
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J Sci Food Agr 12(3):177-187, BIBL., TABS.
Mar 1961 382 S012
Bags, Chemical control (insects), Ddt, Food, Insects, Paper containers.
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B G Joshi W G Walunjkar R S N Rao
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Demobrotis, Dieltrin, Fumigation, Gunny, Hydrocyanic acid, Lasioderma serricorne, Packing, Polyethylene, Storage, Tobacco.
Abstract
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Carbon disulfide, Carbon tetrachloride, Fumigation, Sitophilus.
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Abstract

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 Amitrole, Soil chemistry, Soil microorganisms.
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 Grain, Pesticide residues, Phosphine.
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 Dalapon, Fish, MCPA, Monuron, Pesticide residues, 2,4,5-T.
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 Diabrotica undecimpunctata, Insecticide residues, Peanut butter, Peanuts, Phorate.
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