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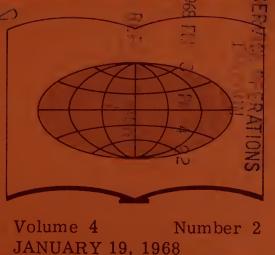
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# **PESTICIDES DOCUMENTATION BULLETIN**

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- 20 Crop Protection
- 30 Livestock Protection
- 40 Commodity Protection
- 50 Environmental Contamination
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951-68 CONTROL OF WESTERN X-DISEASE OF PEACH. J A Milbrath Phytopathology 52(4):363 Apr 1962 464.8 P56 Peaches. 952-68 CONTROL OF THE ROOT ROT COMPLEX OF EASTER LILY. R Baker J Tammen Phytopathology 52 (8):723 Aug 1962 464.8 P56 953-68 THE EFFECT OF NEAR-ULTRAVIOLET IRRADIATION ON THE SPORULA-TION OF CERTAIN FUNGI. C M Leach Phytopathology 51(1):65-66 Jan 1961 464.8 P56 Fungi, Sporulation, Ultraviolet rays, Sporulation. 954-68 YELLOW-POPLAR BUTT ROT INFECTION FROM DEAD ANCILLARY STEMS. J H Ginns D H GINNS Phytopathology 52(11):1218 Nov 1962 464.8 P56 Butt rot (trees), Liriodendron tulipifera. 955-68 THE RELATION OF SPORULATION OF ASCOCHYTA PISI TO WAVE LENGTH, INTENSITY, AND EXPOSURE LENGTH TO MONOCHROMATIC UL-TRAVIOLET RADIATION. C M Leach Phytopathology 51(1):66 Jan 1961 464.8 P56 Sporulation, Ultraviolet rays, Sporulation. 956-68 SOME CONSIDERATIONS OF STRAIN VARIATION IN COTTON SEEDLING PATHOGENS. C R Maier C k Maler Phytopathology 52(8):741 Aug 1962 464.8 P56 Cotton, Rhizoctonia solani, Seedlings, Thielaviopsis basicola, Rhizoctonia solani, Thielaviopsis basicola. 957-68 ANTAGONISMS TO NEMATODE-TRAPPING FUNGI IN SOIL. E Mankau Phytopathology 51(1):66 Jan 1961 464.8 P56 Fungi, Soils. 958-68 AN APPARENTLY VIRUS-FREE LEAF OF A SYSTEMATICALLY INVADED PLANT. I R Schneider Phytopathology 52(11):1220 Nov 1962 464.8 P56 Germ-free life, Leaves, Virus diseases (plants). 959-68 THE CONTROL OF SEED-BORNE SAFFLOWER RUST BY STEAM. A B McCain J M Ogawa Phytopathology 51(1):66 Jan 1961 464.8 P56 Rust (safflower), Soil-borne plant diseases, Steam. 960-68 INFLUITORS OF POTATO VIRUS X IN POTATO LEAVES WITH DIF-FERENT TYPES OF VIRUS RESISTANCE. W J Hooker W S Kim Phytopathology 52(7):688-693, BIBL. 693 Jul 1962 464.8 P56 Leaves, Plant disease resistance, Potatoes. 961-68 EVIDENCE THAT BETA-PROPIOLACTONE CAN INACTIVATE LATENT A STRAWBERRY VIRUS IN FRAGARIA VESCA PLANTS. P W Miller T R Aspitarte Phytopathology 51(1):66 Jan 1961 464.8 P56 Fragaria vesca, Hydracrylic acid beta-lactone, Latent virus (strawberries), Fragaria vesca.

STENDOMYCIN SALICYLATE, A NEW ANTIBIOTIC FOR THE CONTROL OF SPHAEROTHECA PANNOSA VAR. ROSAE. I F Brown Jr H R Hall

Phytopathology 52(11):1217 Nov 1962 464.8 P56 Antibiotics. 963-68 THE HULL ROT DISEASE OF ALMOND AND THE PATHWAY FOR TRANSLO-CATION OF A TOXIN INVOLVED IN SYMPTOM DEVELOPMENT. C J Mirocha E E Wilson J E DeVay Phytopathology 51(1):66 Jan 1961 464.8 P56 Almonds, Hull rot (prunus amygdalus), Plant translocation, Toxins. 964-68 DISTRIBUTION PATTERN AND PERSISTENCE OF THE SYSTEMIC RESIS-TANCE INDUCED IN HYPERSENSITIVE TOBACCO PLANTS BY TOBACCO MOSAIC VIRUS. R F Bozarth A F Ross Phytopathology 52(9):922 Sep 1962 464.8 P56 Mosaic (tobacco), Plant disease resistance, Tobacco. 965-68 INFLUENCE OF SOIL MOISTURE AND TEMPERATURE ON SURVIVAL OF VERTICILLIUM MICROSCLEROTIA. M J Nadakavukaren C E Horner Phytopathology 51(1)66 Jan 1961 464.8 P56 Soil moisture, Soil temperature. 966-68 RESISTANCE TO CUCURBIT VIRUSES IN CUCUMIS MELO. R E Webb G W Bohn Phytopathology 52(11):1221 Nov 1962 464.8 556 Cucumis melo, Plant disease resistance, Virus diseases (plants), Cucumis melo. 967-68 MECHANICAL TRANSMISSION OF TWO STRAINS OF SWEET CHERRY RU-GOSE MOSAIC, MILD RUSTY MOTTLE, AND RASP LEAF VIRUSES. G Nyland G Nyland Phytopathology 51(1):66-67 Jan 1961 464.8 P56 Plant disease transmission, Rasp leaf (cherries), Rugose mosaic (cherries). 968-68 BACTERIAL NECROSIS AND ISOLATION FREQUENCY OF RHIZOCTONIA FROM RHIZOSPHERES UNDER SEVERAL CROPPING SEQUENCES. A L Andersen D M Huber Phytopathology 52 (8) 72 1 Aug 1962 464.8 P56 Crop rotation, Necrosis, Rhizoctonia. 969-68 GILBERTELLA FRUIT ROT OF PEACHES IN CALIFORNIA. J M Ogawa E E Butler S D Lyda Phytopathology 51(1):67 Jan 1961 464.8 P56 California, Fruit rot, Peaches, California, Fruit rot. 970-68 REACTION OF FIVE PEANUT VARIETIES TO CULTURAL CONTROL OF STEM ROT. K H Garren M h Garren Phytopathology 52(11):1218 Nov 1962 464.8 P56 Cultural control (plant diseases), Peanuts, Plant physiology, Stem rot (peanuts). 971-68 71-68 THE EFFECT OF GIBBERELLIC ACID ON THE PARASITISM OF RHIZOC-TONIA SOLANI ON BEANS AND COTTON. L J Petersen J E DeVay B R Houston Phytopathology 51(1):67 Jan 1961 464.8 P56 Gibberellic acid, Kidney beans, Parasitic plants, Rhizoctonia solani. 972-68 PENETRATION AND INFECTION OF PEA ROOTS BY ZOOSPORES OF APHANOMYCES EUTEICHES. Arnanomitis sufficients. J L Cunningham D J Hagedorn Phytopathology 52(8):827-834 Aug 1962 464.8 P56 Aphanomyces euteiches, Peas, Plant diseases, Roots, Zoospores, Aphanomyces euteiches, Zoospores.

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973-68
   INCREASED PRODUCTION OF GEMINATE BUDS ON PEACH MOSAIC-INFEC-
    TED PEACH TREES.
    T S Pine
   Phytopathology 51(1):67
Jan 1961 464.8 P56
    Mosaic (peaches), Trees.
974-68
   FUNGI ISOLATED FROM DISCOLORATIONS IN NORTHERN HARDWOODS.
    A L Shigo
   Phytopathology 52(11):1221
Nov 1962 464.8 P56
    Fungi, Hardwoods, Fungi.
975-68
   FLOWERING CRAB APPLE VARIETIES AS QUICK INDICATOR HOSTS FOR
   LATENT APPLE VIRUSES.
J E Reynolds J A Milbrath
Phytopathology 51(1):67
Jan 1961 464.8 P56
   Crabapples, Latent virus (apples).
976-68
   A STRAIN-HOST COMBINATION FOR STUDYING TOMATO SPOTTED WILT VIRUS INCLUSION.
    J G Bald
   Phytopathology 52(8):723
Aug 1962 464.8 P56
   Plant hosts, Spotted wilt (tomatoes), Plant hosts.
977-68
   77-68

FACTORS DETERMINING THE RATE OF BEAN YELLOW MOSAIC VIRUS

TRANSMISSION BY THE APHID MYZUS PERSICAE.

K G Swenson S S Sohi

Phytopathology 51(1):67

Jan 1961 464.8 P56

Aphididae, Plant translocation, Virus diseases (plants),

Yellow mosaic (beans).
978-68
   No-Go
RELATIONSHIP OF THE IRIS BORER (MACRONOCTUA ONUSTA) TO THE
SPREAD AND DEVELOPMENT OF SOFT ROT.
C M Howard J G Leach
Phytopathology 52 (11):1219
Nov 1962 464.8 P56
Plant disease transmission.
979-68
    PATHOGENICITY OF MONOSPORIC VERSUS POLYSPORIC CULTURES OF
    UROCYSTIS COLCHICI.
    H Tachibana R Duran
   Phytopathology 51(1):67
Jan 1961 464.8 P56
Plant diseases.
980-68
   TECHNIQUES IN ISOLATION OF PYTHIACEOUS FUNGI FROM SOIL AND DISEASED PINEAPPLE TISSUE.
   DISEASED FINEARFEE TISSUE.
H W Klemmer R Y Nakano
Phytopathology 52(9):955-956
Sep 1962 464.8 P56
Fungi, Phytophthora, Pineapples, Pythium, Soils,
    Phytophthora, Pythium.
981-68
    A KINETIC INVESTIGATION OF THE MODE OF TMV ATTACHMENT TO
   A KINETIC INVESTIGATION OF THE MODE OF THV ATTAC
INFECTIBLE SITES.
W Furumoto S G Wildman
Phytopathology 51(1):65
Jan 1961 464.8 P56
Mode, Mosaic (tobacco), Virus diseases (plants).
982-68
   COLONIZATION OF LIMA BEAN PLANTS BY PHYTOPHTHORA PHASEOLI
AS AFFECTED BY TEMPERATURE AND AGE OF PLANTS.
    R A Hyre
   Phytopathology 52(11):1219
Nov 1962 464.8 P56
    Fungus diseases (plants), Lima beans, Plant senescence,
    Temperature.
983-68
    TRANSMISSABLE DECLINE DISEASES OF APPLE.
   M F Welsh F W L Keane
Phytopathology 51(1):67-68
Jan 1961 464.8 p56
Apples, Virus diseases (plants).
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984-68
   CYLINDROCLADIUM ROOT ROT OF CONIFER SEEDLINGS IN MINNESOTA.
  CHLINDROCLADIUM ROOT ROT OF CONFFER SEEDLINGS IN MINNESOTA.
N A Anderson W Bugbee
Phytopathology 52 (8):721
Aug 1962 464.8 P56
Cylindrocladium scoparium, Minnesota, Root rot (coniferae),
Seedlings, Cylindrocladium scoparium, Minnesota.
985-68
   AN ANALYSIS OF A NEW PHENOMENON OF TMY ABORTIVE INFECTIONS.
   J Wu I Rappaport
Phytopathology 51(1):68
Jan 1961 464.8 P56
   Mosaic (tobacco).
986-68
   INHIBITION OF ERWINIA AMYLOVORA BY TISSUES, EXTRACTS, AND
   ASH FROM RESISTANT AND SUSCEPTIBLE PEARS.
H L Keil R A Wilson
   Phytopathology 52(11):1219
Nov 1962 464.8 P56
   NOV 1962 464.6 F36
Erwinia amylovora, Pears, Plant disease control,
Plant disease resistance, Plant extracts, Erwinia amylovora.
987-68
  37-68
USE OF PIMARICIN, PENICILLIN, AND POLYMYXIN IN ISOLATING
PHYTOPHTHORA SPP. FROM ROOT TISSUES.
J W Eckert P H Tsao L J Klotz K B Jones
Phytopathology 51(1):64-65
Jan 1961 464.8 P56
Penicillin, Phytophthora, Pimaricin, Polymyxin, Roots,
Tissues, Phytophthora, Pimaricin.
988-68
   INACTIVATION OF ALFALFA MOSAIC VIRUS BY PANCREATIC RIBONUC-
LEASE.
   T P Pirone
   Phytopathology 52(8):747-748
Aug 1962 464.8 P56
Mosaic (alfalfa), Ribonuclease.
989-68
   CONTROLLING PENICILLIUM DECAY OF ORANGES WITH CERTAIN ALI-
   PHATIC AMINES.
J W Eckert M J Kolbezen B F Bretschneider H K Nicholas
Phytopathology 51(1):64
Jan 1961 464.8 P56
   Amines, Oranges, Penicillium.
990-68
   THE EFFECT OF SOIL FERTILITY ON THE DEVELOPMENT OF KENTUCKY
   BLUEGRASS DISEASES.
   E S Elliott
   Phytopathology 52(11):1218
Nov 1962 464.8 P56
   Plant diseases, Poa pratensis, Soil fertility,
   Poa pratensis.
991-68
   THE EFFECT OF ENVIRONMENT ON THE TOXIC ACTION OF SULFUR DI-
OXIDE ON THE SPORES OF BOTRYTIS CINEREA.
   A M Couey M Uota
Phytopathology 51 (1):64
Jan 1961 464.8 P56
Botrytis cinera, Environment, Spores, Sulfur dioxide,
Botrytis cinera, Spores.
992-68
   DETERMINATION OF INOCULUM POTENTIAL OF INFESTED SOIL.
   J G Bald D E Munnecke
   Phytopathology 52(8):724
Aug 1962 464.8 P56
Callistephus chinensis, Fusarium oxysporum, Inoculum,
Pythium ultimum, Soils, Callistephus chinensis,
Fusarium oxysporum, Inoculum, Pythium ultimum.
993-68
   ACQUISITION AND TRANSMISSION OF ASTERS VELLOWS VIRUS.
   K Maramorosch
   Phytopathology 52(11):1219
Nov 1962 464.8 P56
Plant disease transmission, Virus diseases (plants).
994-68
   RELATIONSHIPS AMONG PRUNUS VIRUSES OF THE NECROTIC RINGSPOT
   TYPE.
   W R Allen
   Phytopathology 52(9):922
Sep 1962 464.8 P56
Necrotic ring spot (prunus), Prunus,
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Virus diseases (plants), Prunus. 995-68 A PARASITIC RHIZOCTONIA ON SPECIES OF THALLOPHYTES (AL-GAE), BRYOPHYTES, AND PTERIDOPHYTES.
 O D Morgan Jr
 Phytopathology 52(11):1219
 Nov 1962 464.8 P56
 Fungus diseases (plants), Rhizoctonia. 996-68 STALACTIFORM RUST ON JACK PINE. N A Anderson D W French Phytopathology 52(8):721 Aug 1962 464.8 P56 Pinus banksiana, Rust (pinus), Pinus banksiana. 997-68 AN EVALUATION OF TWO FUNGICIDES AS SOIL TREATMENT WITH AND WITHOUT HERBICIDE FOR TOMATO FRUIT DISEASE CONTROL. WITHOUT HERBICIDE FOR TORATO FROIT DISEASE COM D F Crossan A L Horehart Phytopathology 52(11):1217 Nov 1962 464.8 P56 Fungicides, Herbicides, Plant disease control, Soil treatment, Tomatoes. 998-68 EFFECT AND INTERACTION OF TEMPERATURE AND HOST GENES ON GROWTH AND PATHOGENICITY OF GLOMERELLA CINGULATA ON LUPIN-US ANGUSTIFOLIUS. H D Wells I Forbes Jr Phytopathology 52 (8):757 Aug 1962 464.8 P56 Glomerella cingulata, Lupinus angustifolius, Pathogenesis, Plant genetics, Plant physiology, Temperature, Glomerella cingulata, Lupinus angustifolius, Pathogenesis. FOUR NEW HOSTS OF CRISTULARIELLA PYRAMIDALIS. T C Davis 52(11):1217 Nov 1962 Cristulariella pyramidalis, Plant hosts, Cristulariella pyramidalis, Plant hosts. 1000-68 THE PREVALENCE OF ERWINIA AMYLOVORA IN APPLE BUDS AS DE-TECTED BY PHAGE. C H Baldwin Jr R N Goodman Phytopathology 52(8):724 Aug 1962 464.8 P56 Apples, Erwinia amylovora. 1001-68 TEMPERATURE EFFECTS ON HOST PREDISPOSITION AND DEVELOPMENT CF BLACKSPQT. J G Palmer P Semeniuk Phytopathology 52(11):1220 Nov 1962 464.8 P56 Plant disease resistance, Plant hosts, Temperature, Plant disease resistance, Plant hosts. 1002-68 RELATIONS OF DISEASE DEVELOPMENT AND INTENSITY TO CARBOHY-DRATE LEVELS IN RUSTED BEAN PLANTS. R E Inman Phytopathology 52(9):924 Sep 1962 464.8 P56 Beans, Carbohydrates, Plant diseases, Rust (beans). 1003-68 EFFECT OF DEFLOWERING AND TOBACCO RINGSPOT VIRUS ON THE OC-CURRENCE OF CERCOSPORA KIKUCHII ON SOYBEAN. J L Crane H W Crittendon Phytopathology 52(11):1217 Nov 1962 464.8 P56 Ring spot (tobacco), Soybeans. 1004-68 DEVELOPMENT OF SPRING BLACKSTEM IN ALFALFA AS AFFECTED BY NUTRIENTS ADDED TO SPORE SUSPENSIONS AT THE TIME OF INOCU-LATION. E E Banttari B L Renfro Phytopathology 52(8):724 Aug 1962 464.8 P56 Alfalfa, Inoculum, Spores, Spring black stem (alfalfa), Inoculum, Spores.

1005-68 JU5-68 THE EFFECT OF INFECTION BY HELMINTHOSPORIUM CARBONUM ON SOME CO2 FIXATION AND OTHER ENZYMES IN CORN SEEDLINGS. I Malca R C Huffaker F P Zscheile Phytopathology 52(8):741 Aug 1962 464.8 P56 Carbon dioxide, Corn, Enzymes, Helminthosporium carbonum, Seedlings, Helminthosporium carbonum. 1006-68 DEVELOPMENT OF FUSARIUM CANKER OF BLACK POPLARS. J G Barbee Phytopathology 52(8):724 Aug 1962 464.8 P56 Fusarium solani, Populus nigra, Fusarium solani, Populus nigra. 1007-68 RELATIONSHIP OF MEADOW NEMATODES TO VERTICILLIUM WILT OF STRAWBERRIES. W Abu-Gharbieh E H Varney W R Jenkins Phytopathology 52(9):921 Sep 1962 464.8 P56 Pratylenchus penetrans, Strawberries, Verticillium albo-atrum, Wilt (strawberries), Pratylenchus penetrans, Verticillium albo-atrum. 1008 - 68NOS-66 FACTORS AFFECTING SPORULATION, SPORE SIZE, AND PATHOGENICITY OF SEVERAL LEGUME CERCOSPORAE. R D Berger E W Hanson Phytopathology 52(8):724 Aug 1962 464.8 P56 Cercospora, Legumes, Pathogenicity, Spores, Cercospora, Pathogenicity, Spores. 1009-68 RAPID GERMINATION AS A VIABILITY TEST FOR SEED OF ARCEUTHO-BIUM SPP. E F Wicker Phytopathology 52(8):757 Aug 1962 464.8 P56 Arceuthobium, Seed germination, Arceuthobium. 1010-68 STUDIES ON GENETIC CONTROL OF RUST REACTION IN PUCCINIA SORGHI. SORGHI. R W Berry A L Flangas Phytopathology 58(2):724 Aug 1962 464.8 P56 Plant genetics, Puccinia sorghi, Rust (corn), Puccinia sorghi. 1011 - 68011-68 THE EFFECT OF METABOLITES PRODUCED BY FUSARIUM OXYSPORUM F. LYCOPERSICI (SACC.) SNYD. AND HANS. ON ROOT ELONGATION OF TOMATO SEEDLINGS. A Mahadevan N E Caroselli Phytopathology 52(9):925 Sep 1962 464.8 P56 Fusarium oxysporum f. lycopersici, Metabolites, Plant physiology, Roots, Seedlings, Tomatoes, Fusarium oxysporum f. lycopersici. 1012 - 68012-68 MITIGATION OF FUSARIUM WILT SYMPTOMS OF TOMATO SEEDLINGS BY SEED INOCULATION WITH A SPECIES OF CEPHALOSPORIUM. P W Bhelwa D V Phillips C C Allison Phytopathology 52(8):725 Aug 1962 464.8 P56 Fusarium oxysporum, Seed treatment, Wilt (tomatoes), Fusarium oxysporum. 1013-68 SEEDLING VERSUS MATURE PLANT REACTIONS OF WHEAT TO STRIPE RUST. L H Purdy R E Allan Phytopathology 52(8):748 Aug 1962 464.8 P56 Plant disease resistance, Seedlings, Stripe rust (wheat), Wheat. 1014-68 INHIBITION OF SUGARCANE MOSAIC VIRUS BY MC-2 AND BROMINE. L Anzalone Jr Phytopathology 52(8):722 Aug 1962 464.8 P56 Bromine, Mosaic (sugarcane).

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1026-68 HISTOLOGICAL STRUCTURE OF CORN STALKS IN RELATION TO FIELD RESISTANCE TO STALK ROT. C W Boothroyd Phytopathology 52 (8):726 Aug 1962 464.8 P56 Corn, Plant disease resistance, Stalk rot (corn). 1027-68 27-68 SIGNIFICANT ASPECTS OF BACTERIAL BLIGHT OF ILEX OPACA CAUSED BY CORYNEBACTERIUM ILICIS. M Mandel E F Guba Phytopathology 52(9):925 Sep 1962 464.8 P56 Ilex opaca. 1028 - 68TRANSMISSION OF VIRUSES TO STRAWBERRY BY EXCISED LEAF GRAFTS FROM PLANTS OTHER THAN STRAWBERRY. A J Braun J A Keplinger Phytopathology 52 (8):726 Aug 1962 464.8 E56 Plant disease transmission, Plant grafting, Strawberries, Virus diseases (plants). 1029-68 STUDIES ON THE HOST RANGE AND PATHOGENICITY OF XIPHINEMA INDEX. J D Radewald D J Raski Phytopathology 52(8):748-749 Aug 1962 464.8 P56 Host indexing (plants). 1030 - 68THE POTENTIAL VALUE OF SYNTHETIC TOLERANT OR MULTILINE VAR-IETIES FOR CONTROL OF CEREAL RUSTS IN NORTH AMERICA. LETLES FOR CONTROL OF CEREAL RUSTS IN NORTH AMERICA. J A Browning M D Simons K J Frey Phytopathology 52(8):726 Aug 1962 464.8 P56 North America, Plant disease resistance, Rust (grain), North America, Plant disease resistance, Rust (grain), North America. 1031-68 SYMPOSIUM ON TROPICAL PLANT PATHOLOGY: INVITATIONAL PAPERS PRESENTED DECEMBER 11, 1961 AT THE MEETING OF THE AMERI-CAN PHYTOPATHOLOGICAL SOCIETY AT BILOXI, MISSISSIPPI. Phytopathology 52 (9):928-953 Sep 1962 464.8 P56 Phytopathology, Symposia, Tropical plants. 1032-68 32-68 INSECT DISSEMINATION-A NEWLY DISCOVERED MODE OF SPREAD OF BACTERIAL WILT OF BANANA. I Buddenhagen T A Elsasser Phytopathology 52(8):726 Aug 1962 464.8 P56 Bacterial wilt (bananas), Insect dissemination, Plant disease transmission, Bacterial wilt (bananas). 1033-68 EFFECT OF CROP ROTATION ON YIELDS OF CORN, OATS, AND WHEA AND ON CORN STALK ROT. L E Williams A F Schmitthenner Phytopathology 52(8):757 Aug 1962 464.8 P56 Corn, Crop rotation, Crop yields, Oats, Stalk rot (corn), Wheat. EFFECT OF CROP ROTATION ON YIELDS OF CORN. OATS. AND WHEAT 1034 - 68DESIGNATION OF RACES IN PSEUDOMONAS SOLANACEARUM. JESIGNATION OF RACES IN PSEUDOROM. I Buddenhagen L Sequeira A Kelman Phytopathology 52(8):726 Aug 1962 464.8 P56 Pseudomonas solanacearum. 1035-68 CHEMICAL CONTROL OF RHIZOCTONIA BROWN PATCH OF BENTGRASS. H B Couch L D Moore E R Bedford Phytopathology 52(9):923 Sep 1962 464.8 P56 Agrostis, Brown patch (grasses), Rhizoctonia solani, Agrostis, Rhizoctonia solani. 1036-68 HOST RANGE AND BIOASSAY OF FIELD SOIL FOR CYLINDROCLADIUM SCOPARIUM. W M Bugbee Phytopathology 52(8):726 Aug 1962 464.8 P56

Cylindrocladium scoparium, Plant hosts, Soil microbiology,

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    OLIVE.
    A M Boyle
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    Olives, Verticillium albo-atrum, Verticillium albo-atrum.
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    ACCUMULATIONS OF SULFUR35 ARCUND CUCUMBER ANTHRACNOSE LES-
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   PINE IN ARKANSAS.
C L Wilson
   Plant Dis Rep 47(4):328
15 Apr 1963 1.9 P69P
Fomes annosus, Pinus echinata, Pinus elliotti,
Pinus elliottii, Pinus taeda, Root rot (pinus echinata),
Root rot (pinus taeda), Fomes annosus, Pinus echinata,
Pinus elliotti, Pinus taeda, Root rot (pinus echinata).
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P G Smith R E webb C H Luhn
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   Downy milder (spinach), Plant disease resistance,
Plant genetics, Spinach.
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J R Parmeter Jr J R Hood
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    Culture media, Soil treatment.
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Exudates, Fusarium solani, Kidney beans, Fusarium solani,
Kidnor beaco
    Kidney beans.
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   158-68
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Fusarium solani f. phaseoli, Plant disease resistance,
Soils, Fusarium solani f. phaseoli.
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    EEANS AND COWPEAS.
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Beans, Cowpeas, Immunization, Plant disease resistance,
Virus diseases (plants).
 1460-68
    NECROTIC SYMPTOMS OF TOBACCO NECROSIS VIRUS IN ROOTS.
    NECROTIC SIMPLONS OF TODACCO RECEDENT
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Necrosis (tobacco), Roots.
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    PENETRATION AND HOST-PARASITE RELATIONSHIPS OF FUSARIUM
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Sclerotinia fructicola, Stemphylium sarcinaeforme,
Fungicide resistant fungi, Sclerotinia fructicola,
  Stemphylium sarcinaeforme.
1506 - 68
  FOR PRUNUS RINGSPOT VIRUS IN PRUNE TREES.
     W Helton
  Phytopathology 52(9):846-849
Sep 1962 464.8 P56
  Indicator plants, Peaches.
1507-68
  RELATIVE EFFICIENCY OF THREE METHODS OF INOCULATING TREE
  STEMS WITH CYTOSPOBA FUNGI.
     W Helton
  Phytopathology 52(12):1266-1268
Dec 1962 464.8 P56
  Cytospora, Fungi, Trees, Cytospora.
1508-68
  VIRUS-FUNGUS RELATIONSHIPS IN A ROOT-BOT COMPLEX IN RED CLO-
  VER.
R D Watson
  Phytopathology 54(8):911
Aug 1964 464.8 P56
   Fungus diseases (plants), Red clover, Root rot (red clover),
  Virus diseases (plants)
1509-68
  FAILURE TO CONTROL CORN STALK ROTS WITH ABOVE GROUND APPLI-
  CATIONS OF PROTECTANT FUNGICIDES.

J P Britton A L Hooker

Plant Dis Rep 47(6):470-471

15 Jun 1963 1.9 P69P
  Fungicides, Plant disease control, Stalk rot (corn).
1510-68
  A SECOND MAJOR GENE LOCUS IN CORN CONDITIONING RESISTANCE TO
   PUCCINIA SORGHI.
   A L Hooker
  Phytopathology 53(2):221-223, BIBL., TABS.
Peb 1963 464.8 P56
Corn, Genes, Puccinia sorghi, Rust (corn), Puccinia sorghi.
1511-68
   INHERITANCE OF CHLOROTIC-LESION RESISTANCE TO HELMINTHOSPO-
  RIUM TURCICUM IN SEEDLING CORN.
   A L Hooker
  A L HOOKET
Phytopathology 53(6):660-662, BIBL, 661-662
Jun 1963 464.8 P56
Genes, Helminthosporium turcicum, Leaf blight (corn),
Plant disease resistance, Helminthosporium turcicum.
1512-68
AN AGITATOR-INCUBATOB FOR ASEPTIC CULTURING OF VIRUS-
  H AGIAION CELLS AND TISUE IN LIQUID MEDIA.
H B Thornberry
Plant Dis Rep 46(6):456-458
15 Jun 1962 1.9 P69P
  Culture media.
1513-68
  RESISTANCE TO THE WILDFIRE DISEASE IN RELATION TO THE GENE-
  RESISTANCE TO THE WILDFIRE DISEASE IN RELATION TO
CHRCHOSOME SET RATIO IN TOBACCO.
J H Smiley G W Stokes
Phytopathology 51(3):174-175
Mar 1961 464.8 P56
Genes, Plant disease resistance, Plant genetics,
  Wildfire (tobacco).
1514-68
  MECHANICAL INOCULATION OF THE POTATO SPINDLE TUBER VIRUS IN
  THE GENUS SOLANUM.
G D Easton D C Merriam
Phytopathology 53(3):349
Mar 1963 464.8 P56
  Spindle tuber (potatoes).
1515-68
  DISEASE DEVELOPMENT, DISEASE INTENSITY, AND CARBOHYDRATE
  LEVELS IN RUSTED BEAN PLANTS.
   R E Inman
  Phytopathology 52(11):1207-1211, BIBL. 1211
Nov 1962 464.8 P56
  Beans, Carbohydrates, Plant biochemistry, Rust (beans).
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   Light, Stem rust (wheat), Wheat,
1538-68
   SOME FACTORS ASSOCIATED WITH MAPLE DECLINE IN
NEW HAMPSHIRE.
   N L Lacasse A E Rich
   Phytopathology 53 (3):349
Mar 1963 464-8 P56
   Acer, Tree injuries.
1539-68
   INFLUENCE OF DIFFERENT PLANT NUTRIENTS UPON BROWN TIP OF
   GLADIOLT.
   J M Jenkins Jr
  Plant Dis Rep 47 (11):976-977
15 Nov 1963 1.9 P69P
Brown tip (gladiolus), Pertilizers,
Nutrient solutions (plants), Plant diseases.
1540-68
   INFLUENCE OF ENVIRONMENTAL FACTORS ON PHOMOPSIS JUNIPERO-
   VORA.
  Worka.
H W Schelo Jr A Kelman
Plant Dis Rep 47(10):932-935
15 Oct 1963 1.9 P69P
Environment, Juniperus virginiana, Phomopsis juniperovora,
   Juniperus virginiana, Phomopsis juniperovora.
1541-68
   HEAT-INDUCED VARIEGATION-A MODEL DISEASE.
   G T A Benda
   Phytopathology 52(12):1307-1308
Dec 1962 464.8 p56
   Beat treatment, Variegation, Virus diseases (plants),
Heat treatment, Variegation.
1542-68
   THE NECESSARILY BROAD VIEW IN STUDYING TROPICAL PLANT DI-
   SEASES.
   J A B Nolla
   Phytopathology 52(9):946-947
Sep 1962 464.8 P56
Plant diseases, Tropical plants.
1543-68
   FUSARIUM WILT OF EUCALYPTUS.
   H C Arya G L Jain
Phytopathology 52 (7):638-642
Jul 1962 464.8 P56
   Eucalyptus, Fusarium oxysporum.
1544-68
  THE EFFECT OF LIGHT QUALITY AND TEMPERATURE ON SOME CULTURAL
CHARACTERISTICS OF FUSARIUM OXYSPORUM F. LYCOPERSICI.
A Wallenstein A Mahadevan N E Caroselli
Plant Dis Rep 47(6):479-481, TABS.
15 Jun 1963 1.9 P69P
1545-68
   A WHOLE-LEAF CLEARING AND STAINING TECHNIQUE TO DEMONSTRATE
  W A Shipton J F Brown
Phytopathology 52(12):1313
Dec 1962 464.8 F56
   Stem rust (wheat).
1546-68
   RHIZOCTONIA FRAGARIAE SP. NOV. IN RELATION TO STRAWBERRY
   DEGENERATION IN SOUTHERSTERN ONTARIO.
S S Husain W E McKeen
Phytopathology 53 (5):532-540, BIBL. 539-540, PL.
May 1963 464.8 P56
   Growth factors, Plant temperature, Strawberries.
1547-68
   INTERACTIONS BETWEEN STRAWBERRY ROOTS AND RHIZOCTONIA
   FRAGARIAE.
   S S Husain W E McKeen
   Phytopathology 53(5):541-545, BIBL. 544-545, PL.
May 1963 464.8 P56
   Strawberries.
1548-68
   RELATIONSHIP OF PECTOLYTIC AND CELLULYTIC ENZYME PRODUCTION
BY STRAINS OF PELLICULARIA FILAMENTOSA TO THEIR PATHOGENI-
   CTTV.
   K B Barker J C Walker
   Phytopathology 58(11):1119-1125, BIBL. 1125, TABS.
Nov 1962 464.8 P56
   Pectolytic enzymes, Pellicularia filamentosa,
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Plant biochemistry, Pectolytic enzymes, Pellicularia filamentosa. 1549-68 VARIATION AMONG ISOLATES OF NECROTIC RINGSPOT AND PRUNE DWARF VIRUSES ISOLATED FROM SOUR CHERRY. H E Waterworth R W Fulton Phytopathology 54 (9):1155-1160, BIBL. 1160 Sep 1964 464.8 256 Necrotic ring spot (cherries), Prune dwarf (cherries), Sour cherries, Virus diseases (plants). 1550-68 INTERRELATED EFFECTS OF ENVIRONMENT AND AGE OF ALFALFA AND RED CLOVER SEEDLINGS ON SUSCEPTIBILITY TO PYTHIUM DEBARY-ANUM. C C Chi E W Hanson Phytopathology 52(10):985-989 Oct 1962 464.8 P56 Alfalfa, Environment, Plant disease resistance, Plant senescence, Pythium debaryanum, Red clover, Pythium debaryanum. 1551-68 RELATIONSHIP BETWEEN TURNIP MOSAIC VIRUS AND THE RADISH P VIRUS OF JAPAN. G S Found H Tochihara R J Shepherd Phytopathology 52(4):373 Apr 1962 464.8 P56 Japan, Mosaic (turnips), Radishes, Japan. 1552-68 ENVIRONMENT AND DEVELOPMENT OF DUTCH ELM DISEASE. A G Kais E B Smalley A J Riker Phytopathology 52(11):1191-1196, TABS. Nov 1962 464.8 P56 Ceratocystis ulmi, Environment, Ceratocystis ulmi. 1553-68 COMPARISON OF THREE STEM DISEASES OF MELILOTUS AND THEIR CAUSAL AGENTS. G C M Latch E W Hanson Phytopathology 52(4):300-315, BIBL. 314-315, TABS. Apr 1962 464.8 P56 Plant diseases, Stems, Sweetclover, Stems, Sweetclover. 1554-68 INTERACTIONS OF TWO PEA FUSARIA IN SOIL AND ASSOCIATED HOST RESPONSES. RESPONSES. G L Worf D J Hagedorn Phytopathology 52(11):1126-1132, BIBL. 1132, TABS. Nov 1962 464.8 P56 Fungus diseases (plants), Fusarium solani f. pisi, Peas, Plant hosts, Fusarium solani f. pisi, Plant hosts. 1555-68 EFFECTS OF TEMPERATURE ON COVERED SMUT EXPRESSION IN TWO EFFECTS OF TEMPERATURE ON COVERED SHUT EXPR BARLEY VARIETES. J F Schafer J G Dickson H L Shands Phytopathology 52(11):1161-1163 Nov 1962 464.8 P56 Barley, Covered smut (barley), Temperature. 1556-68 556-68 MOLYBDENUM NUTRITION OF NICOTIANA TABACUM IN RELATION TO MULTIPLICATION OF TOBACCO MOSAIC VIRUS. T P Pirone G S Pound Phytopathology 52(8):822-827 Aug 1962 464.8 P56 Molybdenum, Mosaic (tobacco), Plant nutrition. 1557-68 PREVENTION OF DUTCH ELM DISEASE BY TREATMENTS WITH 2,3,6-TRICHLORPHENYL ACETIC ACID. TRICHLOWPHENTL ACTIC ACTO E B Smalley Phytopathology 52(10):1090-1091 Oct 1962 464.8 P56 Chemical control (plant diseases). 1558 - 68PENICILLIUM DECAY OF GARLIC. E B Smalley H N Hansen Phytopathology 52(7):666-678, BIBL. 678, TABS. Jul 1962 464.8 P56 Garlic, Plant decay. 1559-68 BARLEY SEEDLING RESPONSE TO COVERED SMUT INFECTION. J F Schafer J G Dickson H L Shands Phytopathology 52(11):1157-1161, BIBL. 1161, TABS.

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Nov 1962 464-8 P56 Barley, Covered smut (barley), Plant physiology, Seedlings. 1560-68 SPECIAL CONTRIBUTIONS FROM THE TROPICS TO PHYTOPATHOLOGICAL MYCOLOGY. L Sequeira Phytopathology 52(9):936-942, BIBL. 941-942 Sep 1962 464.8 P56 Mycology, Phytopathology, Tropical plants. 1561-68 INOCULATION WITH CRONARTIUM RIBICOLA BY BARK-PATCH GRAFT-ING. R F Patton Phytopathology 52(11):1149-1153 Nov 1962 464.8 P56 Cronartium ribicola, Immunization, Plant grafting, Cronartium ribicola, Immunization. 1562 - 68HISTOLOGY OF WATERMELON ANTHRACNOSE. HISTOLOGY OF WATERPELON ANTHRACNOSE. J L Anderson J C Walker Phytopathology 52(7):650-653 Jul 1962 464.8 P56 Anthracnose (Watermelons), Plant disease resistance, Plant histology, Watermelons. 1563-68 ATTRACTION OF APHANOMYCES EUTICHES ZOOSPORES TO PEA AND CTHER PLANT ROOTS. J L Cunningham D J Hagadorn Phytopathology 52(7):616-618 Jul 1962 464.8 P56 Peas, Zoospores. 1564-68 RESISTANCE IN RED CLOVER TO FIVE VIRUSES. Phytopathology 54(8):909 Aug 1964 464.8 P56 Plant disease resistance, Red clover, Viruses. 1565-68 OBSERVANCE OF GIANT STEM ENATIONS ON PISUM SATIVUM INFECTED WITH PEA ENATION MOSAIC VIRUS. FG Ruppel D J Hagedorn Phytopathology 53(2):245, BIBL., PL. Feb 1963 464.8 P56 Enation mosaic (peas). 1566-68 RELATION OF SEED- AND SOIL-BORNE INOCULUM TO EPIDEMIOLOGY OF ANGULAR LEAF SPOT OF CUCUMBER IN WISCONSIN. J C Walker J N Chand E K Wade Plant Dis Rep 47(1):15 15 Jan 1963 1.9 P69P Bridemiology, Inoculum, Seed-borne plant diseases, Soil-borne plant diseases, Wisconsin, Inoculum, Wisconsin. 1567-68 PATHOGENICITY, HOST-PARASITE RELATIONSHIPS, AND MORPHOLOGY CF SOME FORAGE LEGUME CERCOSPORAE, AND FACTORS RELATED TO DISEASE DEVELOPMENT. R D Berger E W Hanson Phytopathology 53(5):500-508, BIBL., PL. May 1963 464.8 P56 Clover, Sweetclover, Clover, Sweetclover. 1568-68 RELATION OF AIR TEMPERATURE AND AGE AND NUTRIAION OF THE HOST TO THE DEVELOPMENT OF HALO AND COMMON BACTERIAL BLIGHTS OF BEAN. F N Patel J C Walker P N Patel J C walker Phytopathology 53 (4):407-411, BIBL., TABS. Apr 1963 464.8 P56 Air temperature, Bacterial blight (beans), Halo blight (beans), Plant nutrition, Air temperature. 1569-68 IN VITRO NUTRITION OF THE TOMATO BACTERIAL SPOT ORGANISM. N Vinco working or the contro pacing by discuss B V Nayudu J C Walker Phytopathology 51(1):32-34, TABS. Jan 1961 464.8 P56 Bacterial spot (tomatoes), In vitro, Plant nutrition, In vitro.

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1592-68

AN EVALUATION OF SODIUM HYPOCHLORITE SOIL APPLICATIONS FOR CONTROL OF DUTCH ELM DISEASE.
A H Epstein E B Smalley
Plant Dis Rep 46 (4):216-217
15 Apr 1962 1.9 P69P
Dieback (ulmus), Sodium hypochlorite, Soils.

1593-68

RESISTANCE OF EXTRATIVE-FREE CONIFEROUS WOODS TO DECAY BY
WHITE-ROT FUNGI.
C A Peterson E B Cowling
Phytopathology 53 (3):351
Mar 1963 464.8 P56
Wood decay, Wood durability.

# **Arthropods**

1594-68 FIELD TESTS OF SOME HYDROLIZED PROTEINS AS LURES FOR THE APPLE MAGGOT, RHAGOLETIS POMONELLA (WALSH). W T A Neilson Can Entomol 92(6):464-467 Jun 1960 421 C16 Attractants, Protein hydrolysates, Rhagoletis pomonella (Walsh). 1595-68 NATURAL INSECT CONTROL MEASURES ARE GROSSLY INADEQUATE FOR TODAY S PARMING. G C Decker Agr Chem 18(3):22-23,112-114 Mar 1963 381 AG8 Chemical control (insects), Insecticides, Natural control (insects).

# **Nematodes**

1596-68 THE INFLUENCE OF TYLENCHULUS SEMIPENETRANS ON GROWTH OF GRAPE CUTTINGS. S D VanGundy Phytopathology 51(1):67 Jan 1961 464.8 P56 Grapes, Plant cuttings, Tylenchulus semipenetrans. 1597-68 OBSERVATIONS ON THE BIOLOGY AND PATHOGENICITY OF DITYLEN-UBSERVATIONS ON THE BIOLOGY CHUS RADICICOLA. P D Chiaravalle G J Stessel Phytopathology 52(9):923 Sep 1962 464.8 P56 Ditylenchus radicicola, Nematodes, Ditylenchus radicicola. 1598-68 FACTORS INFLUENCING STORAGE LIFE OF HEMICYCLIOPHORA ARENARIA, PRATYLENCHUS SCRIBNERI, AND TRICHODORUS CHRISTIEI. S D Van Gundy I J Thomason Phytopathology 52(4):366-367 Apr 1962 464.8 P56 Storage injuries, Trichodorus christiei. 1599-68 DISTRIBUTION OF CYSTS OF HETERODERA GLYCINES IN SOIL AT DISTRIBUTION OF CYSTS OF HETERODERA GLYCIN DIFFERENT DEPTHS. G C Smart Jr Phytopathology 52(11):1221 Nov 1962 464.8 P56 Cysts, Heterodera glycines, Soil analysis, Heterodera glycines.

1610 - 68

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1600-68 HELICOTYLENCHUS NANNUS, A SPIRAL NEMATODE ASSOCIATED WITH DECLINING GARDENIAS. D E Konicek H J Jensen Phytopathology 51(1):65 Jan 1961 464.8 P56 Gardenia, Plant nematodes. 1601-68 SOME ASPECTS OF NEMATODE CONTROL IN THE EQUATORIAL KENYA HIGHLANDS. HIGHLANDS. J P Hollis P H Fox Phytopathology 52(8):737 Aug 1962 464.8 P56 Nematocides, Nematodes. 1602-68 CITRUS TREE DECLINE CAUSED BY TYLENCHULUS SEMIPENETRANS AND CITAUS THEE DECLINE CAUSED BY TILENCHOLDS SEMIFEMETRA THEE RESPONSE FOLLOWING CHEMICAL TREATMENT. J H C Bannon H W Reynolds Phytopathology 52(8):746 Aug 1962 464.8 P56 Chemical control (nematodes), Citrus, Tylenchulus semipenetrans, Tylenchulus semipenetrans. 1603-68 03-68 MIGRATION OF SPERM IN DITYLENCHUS DESTRUCTOR. R V Anderson H M Darling Phytopathology 52(8):722 Aug 1962 464.8 P56 Ditylenchus destructor, Spermatozoa, Ditylenchus destructor. 1604-68 FATHOGENICITY OF A ROOT-KNOT NEMATODE (MELOIDOGYNE INCOG-NITA ACRITA) AND A ROOT-LESION NEMATODE (PRATYLENCHUS PENE-TRANS) ON PEPPER (CAPSICUM FRUTESCENS). M F Shafiee M F Shafiee Fhytopathology 52(9):927 Sep 1962 464.8 P56 Bush redpeppers (vegetable), Meloidogyne incognita acrita, Pratylenchus penetrans, Redpeppers (vegetable), Root-knot nematodes, Bush redpeppers (vegetable), Jeloidogyne incognita acrita, Pratylenchus penetrans, Root-knot mematodes. 1605-68 ANATOMICAL STUDIES OF SOYBEAN ROOTS ARTIFICIALLY INOCULATED WITH HETERODERA GLYCINES. Y Endo Phytopathology 52(8):731 Aug 1962 464.8 P56 Glycine, Heterodera, Plant anatomy, Roots, Soybeans, Heterodera. 1606-68 906-68 FATHOGENICITY OF PRATYLENCHUS SCRIBNERI TO CROP PLANTS. I J Thomason F C O MELLIA Fhytopathology 52(8):755 Aug 1962 464.8 P56 Crops, Pathogenesis, Pratylenchus scribneri, Pathogenesis, Pratylenchus scribneri. 1607-68 FEEDING OF DITYLENCHUS DESTRUCTOR ON FUNGI. Phytopathology 52(8):722 Aug 1962 464.8 P56 Ditylenchus destructor, Feeding, Fungi, Ditylenchus destructor. 1608-68 PATHOGENICITY OF PRATYLENCHUS PENETRANS ON STRAWBERRY AND LADINO CLOVER SEEDLINGS. T-A Chen A E Rich Phytopathology 52 (9):922-923 Sep 1962 464.8 P56 Ladino clover, Pratylenchus penetrans, Seedlings, Strayberries, Pratylenchus penetrans. 1609-68 NEW HOSTS AND CROP PLANTS RESISTANT TO THE RENIFORM NEMA-TODE. TODE. W Birchfield L R Brister Phytopathology 52(8):725 Aug 1962 464.8 P56 Nematodes, Plant hosts, Plant nematode resistance, Rotylenchulus reniformis, Plant hosts, Botylenchulus reniformis.

HUGSSNETTLE AND OSBORNE S CYST NEMATODES - TWO UNDESCRIBED NEMATODES OCCURRING IN VIRGINIA. L I Miller M B Harrison & F Schindler Phytopathology 52(8):743 Aug 1962 464.8 P56 Virginia. 1611-68 11-68
EFFECT OF PRATYLENCHUS PENETRANS, MELOIDOGYNE INCOGNITA ACRITA, AND MELOIDOGYNE SP. ON FORSYTHIA INTERMEDIA.
W W Osborne W R Jenkins
Phytopathology 52(9):926
Sep 1962 464.8 P56
Meloidogyne, Meloidogyne incognita acrita,
Pratylenchus penetrans, Meloidogyne,
Meloidogyne incognita acrita, Pratylenchus penetrans. 1612-68 612-68 INFLUENCE OF SOIL-OXYGEN DIFFUSION RATES AND TEMPERATURE ON THE CITRUS NEMATODE AND SWEET ORANGE SEEDLINGS. L H Stolzy S D Van Gundy C K Labanauskas T E Szuszkiewicz Phytopathology 52(8):754 Aug 1962 464.8 P56 Seedlings, Sweet oranges, Temperature, Tylenchulus semipenetrans, Sweet oranges, Tylenchulus semipenetrans. 1613-68 EVIDENCE SUGGESTING & GRAPE NEMATODE PROBLEM IN NEW YORK VINEYARDS. A J Braun J A Keplinger Phytopathology 52(9):922 Sep 1962 464.8 P56 Grapes, New York, Plant nematodes, New York. NEMATODES ASSOCIATED WITH MAPLE DIEBACK AND MAPLE BLIGHT. J W Riffle  $% \left( {{\left[ {{{\left[ {{{\rm{B}}} \right]}_{{\rm{T}}}} \right]}_{{\rm{T}}}} \right)} \right)$ Phytopathology 52(8):749 Aug 1962 464.8 P56 Acer, Blight (acer), Dieback (acer), Parasitic nematodes. 1615-68 CONTROL OF HETERODERA ROSTOCHIENSIS BY SODIUM METHYL DI-THIOCARBAMATE. M B Harrison Phytopathology 52(9):924 Sep 1962 464.8 P56 Chemical control (nematodes), Heterodera rostochiensis. 1616 - 68ROOT KNOT AND THE SEEDLING DISEASE COMPLEX OF COTTON. Root knot (cotton), Seedlings. 1617-68 REACTION OF BERMUDA GRASS VARIETIES AND LINES TO ROOT-KNOT NEMATODES. R D Riggs J L Dale M L Hamblen Phytopathology 52(6):587-588 Jun 1962 464.8 P56 Cynodon dactylon, Plant nematodes, Cynodon dactylon. 1618-68 RELATION OF PHYSIOLOGICAL AGE OF ROOT-KNOT LARVAE TO INFECTIVITY. Balmer E J Cairns Phytopathology 53(6):621 Jun 1963 464.8 P56 Plant nematodes. 1619-68 ALFALFA STEM NEMATODE IN ALABAMA. N E McGlohon N A Minton Plant Dis Rep 47 (6):573 15 Jun 1963 1.9 P69P Alfalfa, Ditylenchus dipsaci, Ditylenchus dipsaci. 1620-68 AN ECTOPARASITIC ROOT NEMATODE ON LOWBUSH BLUEBERRY (VACCINIUM SPP.). G T Morgan G W Wood G Plant Dis Rep 46(11):800 15 Nov 1962 1.9 P69P Blueberries, Parasitism, Plant nematodes.

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 Convolvulus, Tylenchulus semipenetrans.

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# **30 LIVESTOCK PROTECTION**

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## Arthropods

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N D Levine K N Mehra D T Clark I J Aves
Amer J Vet Res 21(02):511-515, BIBL. 515
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Cattle, Sheep.

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H G Sen G W Kelley L S Olsen
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15 Apr 1960 41.8 AM3
Swine.

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LACK OF LARVACIDAL ACTION OF RONNEL AND BAYER 21-199
AGAINST MIGRATING ASCARIC SUUM IN BABY PIGS.
G W Kelley C L Marsh
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Jan 1960 41.8 AM3
Eaby Figs, Coumaphos, Ronnel.

2313-68

SERUM PROTEIN CHANGES IN LAMBS WITH NATURALLY ACQUIRED NEMATOPE INFECTIONS.
K L Kuttler D W Marble
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EXPERIMENTAL INFECTIONS OF SWINE WITH TRICHURIS SUIS.
K G Fovers A C Todd S H MCNutt
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R K Somers R H Philbeck
Amer Vet Med Ass J 136(9):436-437
01 May 1960 41.8 AM3
Food sanitation, Radiation.
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STUDIES ON SALMONELLA CONTAMINATION OF ENVIRONMENT AND PRODUCT OF RENDERING PLANTS.
S E Magwood J Fung J L Byrne
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Food contamination, Salmonellosis.
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W E Burr C F Helmboldt
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California, Catalase, Cells, Milk, California.

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A A De Hertough J W Hooks G C Klingman
Weeds 10 (2): 115-118, TABS.
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Herbicides, Tobacco.

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OZOME INJURY TO VEGETATION IN THE NORTHEASTERN U.S. .
R H Daines E Brennan I Leone
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2325-68
EFFECTS OF SOIL ACIDITY ON THE ADSORPTION, PENETRATION, AND
PERSISTENCE OF SIMAZINE.
D C Nearpass
Weeds 13(4): 344-346, BIBL. 346, TABS.
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Hydrogen-ion concentration, Simazine, Soil adsorption, Simazine.
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MHIBEN.
O C Burnside W G Lipke
Weeds 10(2): 100-103, TABS.
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Amiben, Water treatment.

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DISSIPATION OF AMIBEN.
K A Schliebe O C Burnside T L Lavy
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    Apples, Citrus, Fungicide residues, Fungicide residues.
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   METABOLISM OF ATRAZINE BY SUSCEPTIBLE AND RESISTANT PLANTS.
N S Negi H H Funderburk Jr D E Davis
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    Atrazine, Metabolism.
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    F F Eastin R D Palmer C O Grogan
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2331-68
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M G Fincher F V Kosikowski R S Guthrie H G Rodges
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15 Jul 1962 41.8 AM3
Chlortetracycline, Milk, Penicillin.
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   EFFECTS OF WATEH EVAPORATION, TEMPEHATUHE AND RATES OF
APPLICATION ON THE RETENTION OF ETHYL-N,N-DI-N-PHOPYL-
THIOL CARBAMATE IN VARIOUS SOILS.
S C Fang P Theisen V H Freed
Weeds 9(4):5569-574
Oct 1961 79.8 W41
Evaporation Soils Temperature
    Evaporation, Soils, Temperature.
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BENZOXAZIN-3-ONE WITH AN ALTEHED TOLEHANCE OF ATHAZINE.
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    K E Taylor
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Meat, Meat inspection, Medicine, Pesticide residues.
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BERBICIDES AND SYSTEMIC INSECTICIDES.
J Hacskaylo J K Walker Jr E G Pires
Weeds 12(4):2288-291, PLS.
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    Cotton, Crop losses, Disulfoton, Diuron, Herbicides,
Insecticides, Monuron, Phorate, Seedlings.
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    PERSISTANCE OF SOIL-INCORPORATED EPTC AND OTHER CARBAMATES.
    L L Danielson W A Genter L L Jansen
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Carbamates, Herbicide residues, Soil treatment.
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    SPRAY RETENTION BY BEHMUDAGRASS.
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Berbicide residues, Spraying.

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R A Cappellini A W Stretch
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   R J Lukens
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T-A Chen R A Kilpatrick A E Rich
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Dieldrin, Ladino clover, Methyl bromide, Plant nematodes,
Roots, Soil treatment.
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   THE TOXICITY OF CITROXININE.
   RP Scheffer R B Pringle
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Helminthosporium victoriae, Toxicology, Victoxinine,
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   WITH FUNGICIDES SUCH AS MYLONE.
   D E Munnecke
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Soil treatment.
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CYCLOHEXIMIDE AND DUAZOMYCIN A.
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Evolving Pathogen.

Ceratocystis ulmi.

fungistatic principle.

thosporium sativum in soil.

CONTDIA

dei.

COPPER

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CORN

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Research Station Canada Dept. Of Agriculture, Swift Current, Saskatchewan Research Branch Canada Dept. Of Agriculture, Victoria, British Columbia Entomology Laboratory Canada Dept. Of Agriculture, Vineland Station, Ontario Research Branch Research Laboratory Canada Dept. Of Agriculture, Winnepeg, Manitoba Research Station Research Station Entomology And Plant Pathology Laboratories Central Florida Experiment Station, Sanford Central Veterinary Laboratory 1938 Central Veterinary Laboratory, Weybridge 1943 1944 Chas. Pfizer And Co., Inc., Terre Haute, Ind. Chas. Pfizer And Co., Inc., Terre Haute, Indiana Dept. Of Biologics Research Chemical Control Section, Ottawa, Canada Chemical Control Section, Ottawa, Ontario Ciba Pharmaceutical Company, Summit, N. J. Clemson College Clemson College Dept. Of Botany And Bacteriology Clemson College Livestock Sanitary Dept. Clemson College, Clemson, S. C. Clemson College, Clemson, S. C. Dept. Of Botany And Bacteriology Clemson College, S. Car. Livestock-Poultry Health Dept. Coastal Plain Experiment Station, Tifton, Ga. College Of Animal Husbandry, Lahore, Pakistan Colorado Serum Co., Denver Colorado State University College Of Veterinary Medicine Colorado State University Colorado State University Colorado State University Colorado State University College Of Veterinary Medicine 2289 2290 Colorado State University College Of Veterinary Medicine Dept. Of Clinics And Surgery Colorado State University College Of Veterinary Medicine Dept. Of Physiology Colorado State University Oregon State University Colorado State University, Port Collins College Of Veterinary Medicene Colorado State University, Port Collins College Of Veterinary Medicine Colorado State University, Port Collins Dept. Of Botany And Plant Pathology 1688 2353 Colorado State University, Pt. Collins Dept. Of Botany And Plant Pathology Commonwealth Bureau Of Helminthology, St. Albans Commonwealth Institute Of Biological Control Compania Bananera De Costa Rica, Coto Colorado State University Compania Bananera De Costa Rica, Coto Research Dept. Connecticut Agricultural Experiment Station, New Haven 1210 1622 Connecticut Agricultural Experiment Station, New Haven Dept. Of Plant Pathology And Botany Cooper Technical Bureau, Berkhamsted Cooper Technical Bureau, Berkhamsted225Cornell University1211255Cornell University121212131214Dept. Of Plant Pathology121212131214121Cornell UniversityDept. Of Vegatable Crops240240Cornell University, Geneva, N.Y.121121121Cornell University, Ithaca, N YDept. Of Plant Pathology162Cornell University, Ithaca, N YDept. Of Plant Pathology162Cornell University, Ithaca, N YDept. Of Plant Pathology162Ornamentals Research Laboratory, Farmingdale, Long Island1217 Cornell University, Ithaca, N. Y. 1625 2408 1218 1219 1625 2408 Cornell University, Ithaca, N. Y. Dept. Of Entomology Cornell University, Ithaca, N.Y. Cornell University, Ithaca, New York New York State Veterinary College Dept. Of Pathology And Bacteriology Cornell University, Ithaca, New York New York State Veterinary College Dept. Of Physiology Cornell Univesity, Riverhead, N. Y. Long Island Vegetable Research Farm Cotton Research Center, Temple, Ariz. Agricultural Research Service 

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Dept. Of Health For Scotland.	1958
Dept. Of Health, Education And Welfare	
Public Health Service Bureau Of State Services	
Communicable Disease Center, Atlanta, Ga.	1959
Dept. Of Health, Education, And Welfare Public Health Service	
Bureau Of State Services Communicable Disease Center, Chamblee, Ga.	1960
Dept. Of Health, Education, And Welfare	
U. S. Public Health Service, Bethesda, Md.	
National Inst. Of Arthritis And Metabolic Diseases	865
Dept. Of National Health And Welfare, Ottawa, Ontario Food And Drug Laboratories	
Animal Pathology Section	1961
Dept. Of Nematology	4407
University Of California, Riverside Dept. Of Veterinary Sciences, Kenya	1627 1962
Detroit, Michigan	1778
Diamond Laboratories, Des Moines, Iowa	
Dept. Of Biological Research	1963
Dow Chemical Co., Midland, Mich. Chemicals Laboratory	1220
Duck Research Lab, Eastport, Long Island, New York	1964
Duke University, Durham, N. C.	
School Of Forestry	1221
East African Veterinary Res. Org., Mugaga, Kikuyu, Kenya 1965	
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1966	
Eli Lilly And Company, Greenfield, Ind.	1967
Entemology Research Division, Tifton, Ga. Faculty Of Veterinary Medicine, Giza, Cairo	1222 1968
Federal Dept. Of Veterinary Research, Vom, Nigeria	1970
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Animal Production Division	1969
Federal Experiment Station, Mayaguez, Puerto Rico Florida Agricultural Experiment Station	1223 1224
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Pathology Dept. Harvard University, Cambridge, Mass.	2292
The Biological Laboratories	877
Heisoorf + Nelson Farm, Inc. Redmond, Washington	1974 1975
Hess And Clark Research Laboratory, Ashland, Ohio High Point High School, Beltsville, Md.	1975
Dept. Of Biology	2410
Horticultural Crops Research Station, Castle Hayne, N. C	-
1232 Houghton Poultry Research Station, England	1975
Houghton Poultry Research Station, Houghton, Huntingdons	
2520	
Idaho Agricultural Experiment Station 1233	2354 1234
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Illinois Natural History Survey, Urbana	1235
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Section Of Economic Entomology Illinois State Natural History Survey, Urbana	1595 8 <b>7</b> 8
879	0.0
Imperial Chemical Industries Ltd., Alderley Park, Cheshi	
Pharmaceuticals Division Indian Council Of Agricultural Research, Kanpur	1977
Regional Research Center (oilseeds And Millets)	1237
Indian Council Of Agricultural Research, Kanpur Regional Research Centre (oilseeds And Millets)	
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Insect Pathology Research Institute, Sault Ste. Marie, G	
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