Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.
THE PLANT DISEASE REPORTER

Issued By

PLANT DISEASE EPIDEMICS and
IDENTIFICATION SECTION

AGRICULTURAL RESEARCH SERVICE
UNITED STATES DEPARTMENT OF AGRICULTURE

SUPPLEMENT 242

INDEX TO SUPPLEMENTS 237-241, 1956

Supplement 242

July 20, 1957

The Plant Disease Reporter is issued as a service to plant pathologists throughout the United States. It contains reports, summaries, observations, and comments submitted voluntarily by qualified observers. These reports often are in the form of suggestions, queries, and opinions, frequently purely tentative, offered for consideration or discussion rather than as matters of established fact. In accepting and publishing this material the Plant Disease Epidemics and Identification Section serves merely as an informational clearing house. It does not assume responsibility for the subject matter.
LIST OF SUPPLEMENTS


AUTHOR INDEX

BAKER, KENNETH F., (56), 68, 88
BAKER, R. R., (72)
BALD, J. G., (56), 81
BRIERLEY, PHILIP, (56), 63
CHANDLER, PHILIP A., (88)
COTTER, R. U., (99)
CUMMINS, GEORGE B., 1, 109
DIMOCK, A. W., (56), 59
GASIORKIEWICZ, E. C., 77
HAYDEN, E. B., (99)
HOLLEY, W. D., (72)
LYLE, ELDON W., (56), 91

MUNNECKE, DONALD E., (56), 93
NANCE, NELLIE W., 196
OLSON, C. J. (56), (63), (77)
RAABE, ROBERT D., (85)
ROBERTS, B. J., (99)
STEVENSON, JOHN A., (109)
STEWART, D. M., 99
TAMMEN, JAMES (56), 72
WILHELM, STEPHEN, (56), 85
SUBJECT INDEX

Aceria fiscus, 215
--- tulipae, 212
Acti-dione, 211, 213
Acti-dione plus sulfur, 217
Aecidium aesculi, 213
Aesculus glabra: buckeye rust, 213
Agaricus campestris: bacterial blotch, 221; bacterial soft rot, 221; mildew, 221
Agrilus bilineatus, 220
Agrimycin, 224
Agrimycin 100, 218
Agrobacterium rubi, 218
Agropyron infame: dwarf bunt, 1st rept. on this host (Oregon), 205
--- trachycaulum: dwarf bunt, 213, 1st rept. on this host (Idaho), 205
--- trichophorum: dwarf bunt, 1st rept. on this host (Oregon), 205
Alabama, 207, 213, 215, 227
Albizzia julibrissin: Trichodorus primi-tivus, 1st rept. on this host (Mary-
land), 208
Alfalfa: anthracnose, 214
Almond: powdery mildew, 1st rept. in U.S. (Calif.), 207
Aloë variegata: Pyrithium root rot, 90, 221
Alternaria spp., 221
--- solani, 226, 228
--- zinniae, 69
Andropogon gerardi: buckeye rust, 213; kernel smut, 213
Angular leaf spot, of cucurbits, 225
Anthracnose, of alfalfa, 214; Bellis perennis, 226; cucurbits, 224; Gossypium spp., 222; Hibiscus cannabinus, 222; lettuce, 226
tomato, 227
Antibiotics, for control of barley loose smut, 210
Aphanomyces chloboideus, 221
Aphelenchoides ritzema-bosii, 59
Aphis gossypii, 218
--- maidis, 218
Apple: black rot and leaf spot, 216;
boron deficiency, 217; canker and fruit rot, 216; dapple apple (? virus), 217; fire blight, 216; powdery mildew, 217; Pratylenchus penetrans, 214; scarskin, 217
Arachis hypogaeae: fungi associated with blemishes, 221
Arasan, 214
Arasan 5F, 214
Arceuthobium vaginatum f. cryptopodium, 208
Arkansas, 210, 211
Arizona, 211, 215, 217, 224, 226
Arthrobotrys dactyloides, 215
--- oligospora, 215
Asparagus: crown and root rot, 224; rust, 224
Aspergillus flavus, 221
--- repens, 211
--- restrictus, 211
--- ruber, 211
Bacillus subtilis, 222
Bacterial blight, of bean, 228; Bromus commutatus and B. tectorum, 206; Gossypium spp., 222; Juglans regia, 218
--- blotch, of Agaricus campestris, 221
--- canker, of tomato, 227
--- leaf spot, of sesame, 223
--- soft rot, of Agaricus campestris, 221
--- spot, of peach, 217; pepper, 224; Prunus spp., 217; tomato, 227, 228
--- wilt, of corn, 212; cucurbits, 225; sweet corn, 213; tobacco, 223
Bacterium stewartii, 212, 213
Barley: barley stripe mosaic virus, 211; barley yellow-dwarf virus, 211; covered smut, 210; downy mildew, 1st rept. from Mississippi and Virginia, 203; leaf spot (undet. origin, possibly physiological), 1st rept. from Virginia, 203; loose smut, 210; net blotch, 211; phycomycetous mycorrhizal fungus, 210; smuts, 210; stem rust, 210; stripe, 210
Bean: bacterial blight, 228; diseases in Idaho, 228; yellow mosaic virus, 228
---, lima: downy mildew, 228
Bellis perennis, anthracnose, 226
Belonolaimus gracilis, 221
Beta vulgaris (sugar beet): Aphanomyces chloboideus, 221; damping-off (Rhizoctonia sp.), control by Bacillus subtilis, 222; Heteroder a schachtii, 1st rept. from Oregon, 204; scurf, 222; yellows (virus), 222
Betula lutea: Poria laevigata and P. obli-
qua, 219
Blackberry: cane gall, 218
Blackleg, of potato, 228
Black root rot, of strawberry, 216
Black rot, of cabbage, 224
Black rot and leaf spot, of apple, 216
Black shank, of tobacco, 223
Blast, of rice, 211
Blight, of Liquidambar styraciflua, 219
Blossom-end rot, of tomato, 227
Blueberry: stunt virus transmitted by Scaphytopius magdalenensis, 218
Blue mold, of tobacco, 222
Botryosphaeria ribis, 216
Botrytis cinerea, 89, 215, 227
--- gladiolorum, 81
Branch wilt, of Juglans regia, 218
Broccoli: club root, 224
Bromus commutatus: bacterial blight, 1st rept. on this host (Nebraska), 206
--- inermis: mosaic (virus), 213
--- marginatus: dwarf bunt, 1st report on this host (Oregon), 205
--- tectorum: bacterial blight, 1st rept. on this host (Nebr.), 206
Brown rot, of Citrus spp., 215
Brown stele, of lettuce, 226
Brussels sprouts: club root, 224
Bunt, of wheat, 212
Cabbage: black rot, 224; yellows, 224
Cactaceae: Helminthosporium stem rot, 1st rept. on this host (Calif.), 207
Calcium nitrate, 226
--- sulfamate, 212
California, 68, 95, 205, 206, 211, 214 ff., 221 ff.
Callistemon rigidus: Cylindrocladium scoparium, 1st rept. on this host (Alabama), 207
Camellia spp., flower blight, 218
Canada, 213, 220, 227
Cane gall, of blackberry, 218
Canker, of Populus tremuloides, 220
Canker and fruit rot, of apple, 216
Canna generalis: mosaic virus, transmitted to other plants by means of juice and aphis, 218
Captan, 215, 216, 217
Carthamus tinctorius: rust, 222
Carya illinoensis: scab, 218
Castilleja austromontana: ponderosa pine rust, 218
Cauliflower: club root, 224; downy mildew, 224
Cenangium singulare, 208
Cephalosporium gramineum, 205, 211
Ceratocystis fimbriata, 89
Cercospora pastinacina, 229
Cercospora pastinacae, 228
Cereal crop plants: yellow strain of wheat mosaic virus, 210
Cereal seed treatment trials, in Michigan, 210
Cereals: yellow dwarf virus, 210
Ceresan M, 214
Chaeotocnema pulicaria, 213
Cherry: leaf spot, 217; necrotic ring spot virus, 217; powdery mildew, 217
---, sour: Pratylenchus penetrans, 214
---, sweet: Microstoma tonellianum,
1st rept. on cherry and first rept. in North America (Mass.), 277
Chloropicrin, 94
Chokecherry: X-disease virus, 218
Chrysanthemum: aspermy (virus), 219; development and production of virus-free propagative material, 63; flower-disease and leaf-distortion virus, 219; mosaics (virus), 219; propagating material free from certain pathogens, 58; rust, 219
Chrysomyxa ledi var. rhododendri, 207
Citrus spp.: brown rot, 215; wax emulsion, 101A, 215; xyloporesis-calxenia relations in Florida, 215
--- limon: bud union abnormality (? virus) in Florida, 215; tristeza (virus) in Arizona, 215
Cladosporium cucumerinum, 224
--- effusum, 218
Club root, of broccoli, 224; Brussels sprouts, 224; cauliflower, 224
Coccomyces hiemalis, 217
Cold pox, of cucumber, 225
Coleosporium laciniariae, 204
Colladonus geminatus, 218
Collembola, 221
Colletotrichum spp., 224
--- gossypii, 222
--- hibisci, 222
--- lagenum, 225
--- phomoides, 227
--- trifolii, 214
Colorado, 75, 208, 210, 211, 217, 220
Connecticut, 219, 220, 222, 228, 229
Corn: bacterial wilt, 212; Curvularia maculans, new disease of corn found in North Carolina and Georgia, 205; Fusarium moniliforme, 212; mold, 212; nematodes, 212; seedling resistance to Pythium spp., 212; stalk rot, 212
---, sweet: bacterial wilt, 213; Helminthosporium blight diseases, 212
Corynebacterium michiganense, 227
--- sepedonicum, 228
Covered kernel smut, of sorghum, 211
Covered smut, of barley, 210
Crazy top, of Eleusine indica, 206; Eradogrostis ciliaris and E. pectinacea, 206
Criconemoides sp., 214, 215
Cronartium filamentosum, 218
--- ribicola, 220
Crown and root rot, of asparagus, 224
Crown wart, of Lotus uliginosus, 206
Cucurbitis: angular leaf spot, 225; anthracnose, 224; bacterial wilt, 225; cold pox, serious new disease of cucumber in Florida, 225; downy mildew, 225; Fusarium wilt, 225; gummy stem blight, 225; Meloidogyne spp.,
(Cucurbits) 225; powdery mildew, 225; scab, 224; Verticillium wilt, 225; viruses, 226
Curvularia spp., 211
--- lunata, 81
--- maculans, on corn, 205
Cyamopsis tetragonoloba: potato virus S, 214
Cylindrocladium scoparium, 207, 222
Cystospora canker, of Prunus spp., 217

Dactylis glomerata: Pleospora phaeocomes, 1st rept. in U.S. (Pa.), 206; virus that infects oats, 210
Dactylis glomerata: development and production of pathogen-free propagative material of ornamental plants. Suppl. 238, pp. 56-95
Dianthus spp.: development and production of virus-free carnation varieties, 77; yellows (virus), 79
--- caryophyllus: bacterial wilt, 72; control of diseases through cultured-cutting technique, 72; Fusarium wilt, 72
Dieffenbachia picta: bacterial leaf spot, 88; bacterial soft rot, 88; Phytophthora stem rot, 88
Dieldrin, 88
Diospyros spp.: TylENCHUS semipenetrans, 1st rept. on this host (California), 208
--- lotus: Elsinoë diospyri, 1st rept. on this host (Florida) and first U.S. record, 208
Diplacarpon rosae, 91
Diseases, of cereal crops, 210; forage and cover crops, 213; nut crops, 218; ornamental and miscellaneous plants, 218; special crops, 221; vegetable crops, 224
Dithane Z-78, 219
Dithane-zinc-copper formulation, 213
Downy mildew, of barley, 203; cauliflower, 224; cucurbits, 225; lima bean, 228; oats, 203; wheat, 203
Dryland root rot, of wheat, 211
Dwarf bunt, of Agropyron inerme, A. trachycaulum, A. trichophorum, Bromus marginatus, 205
Dwarf bunt, of Agropyron trachycaulum, 213; Lolium multiflorum and L. perenne, 205; wheat, 212
Dwarf mistletoe, on Pinus contorta, 208

Early blight, of potato, 228
Eggplant: Verticillium wilt, 1st rept. from Florida, 204
Eleusine indica: crazy top, 1st rept. on this host (Indiana), 206
Elsinoë diospyri, 208
--- magnoliæ, 207
Endocoïdiphora coerulescens, 220
--- fagacearum, 220
Eragrostis cilianensis: crazy top, 1st rept. on this host (Indiana), 206
--- pectiniana: crazy top, 1st rept. on this host (Indiana), 206
Eriobotrya japonica: high soil temperatures on side exposed to sun, 215
Eriophyes, vector of peach mosaic virus, 217
Erwinia amylovora, 216
--- arboideae, 223
--- atroseptica, 228
--- carotovora, 88
--- tracheiphila, 225
Erysiphe cichoracearum, 225
--- graminis tritici, 214
Ethylene dibromide, 216
Euphorbia pulcherrima: root rot, 219
Europe, 217
Fermate, 219
Ficus carica: fig mosaic virus transmitted by Aceria ficus, 215; Phomopsis cinerascens, 1st rept. from Maryland, 204; Heterodera fici, 1st rept. in U.S. (Calif.), 206
Fire blight, of apple, 216
Fittonia verschaffeltii var. argyroneura: Rhizoctonia solani, 89
Flax: Fusarium wilt, 211; seed rot, 210
Florida, 88, 204, 208, 212, 215, 222, 224, 225, 227, 228
Flower blight, of azalea, 219; of Camel-lia spp., 218
Foliage burn, of grape, 218
Fruit rot, of tomato, 227
Fusarium spp., 211, 221
--- bulbigenum var. lycopersici, 227
--- moniliforme, 206, 212
--- oxysporum, 225
--- f. conglutinans, 224
--- f. dianthi, 72
--- f. gladioli, 81
--- f. lini, 211
Fusicoccum amygdali, 217

Ganoderma zonatum, 220
Georgia, 205, 206, 210, 216, 222, 227
Ghost spot, of tomato, 227
Gibberella zeae, 212
Gladiolus; development and production of pathogen-free cormels, 81; Meloidogyne spp., 219; nematodes, 81; virus diseases, not eliminated by heat treatment, 81
Gleditsia triacanthos; cankers and rot, 1st rept. on this host (Mississippi and Tennessee), 208
Glomerella cingulata, 224
--- tucumanensis, 223
Gomphrena globosa: mosaic (virus), 226
Gossypium spp.: anthracnose, 222; bacterial blight, 222; bacteriophage of Xanthomonas malvacearum, in Texas and New Mexico, 209; losses from diseases, 222; stem intumescences due to abnormal stem metabolism, 222; temperature tank battery for seedling disease investigations, 222; Verticillium wilt, 222
Gramineae: leaf spot fungi, 205; Puccinia spp., 210; yellow strain of wheat mosaic virus, 210
Grape: foliage burn, 218; white-Emperor virus disease, 218
Graphium ulmi, 221
Gray leaf spot, of tomato, 226, 227
Gray mold, of strawberry, 215; tomato, 227
Gummy stem blight, of cucurbits, 225
Haworthia attenuata: Pythium ultimum, 90
Helicotylenchus nannus, 215
Helminthosporium cactivorum, 207
--- gramineum, 210
--- maydis, 212
--- sativum, 211
--- sesami, 209
--- turcicum, 212
Hendersonula toruloidea, 218
Heterodera fici, 206
--- rostochiensis, 228
--- schachtii, on sugar beet, 204
--- var. trifolii, 214
Heterosporium tropaeoli, 70
Hexamine, 215
Hibiscus cannabinus: anthracnose, 222
Host index and morphological characterization of the grass rusts of the world. Suppl. 237, pp. 1-52
Hydrangea sp.: Cylindrocladium scoparium, 1st rept. on this host (Ala.), 207
Hypoxylon pruinatum, 220
Idaho, 205, 217, 220, 228
Ilex rotundifolia: Cylindrocladium scoparium, 1st rept. on this host
Juglans regia: bacterial blight, 218; branch wilt, 218
Kansas, 211, 212, 213
Karathane, 211
Kentucky, 214, 216, 225
Kernel smut, of Andropogon gerardi, 213
Late blight, of potato and tomato see Phytophthora infestans
Leaf scab, of Magnolia grandiflora, 207
Leaf spot, of barley, 203; cherry, 217; parsnip, 228
Leaf spot fungi, of Gramineae, 205
Lemon: tristeza virus, 1st rept. from Texas, 203
Leptographium engelmanni, 220
Lettuce: anthracnose, 226; big-vein (virus), 226; brown stele (undet.), 226; mosaic (virus), 226; pink rib (cause unknown), 226
Liquidambar styraciflua: blight (cause unknown), 219
Liriodendron tulipifera: Verticillium wilt, 219
Lolium multiflorum: dwarf bunt, 1st rept. on this host (New York), 205
--- perenne: dwarf bunt, 1st rept. on this host (New York), 205
Loose smut, of barley, 210
Losses, from bacterial blight of cotton, 222; from plant diseases in Tennessee, 221
Lotus uliginosus: crown wart, 1st rept. in this country (Oregon), 206
Louisiana, 209, 215, 224, 226
Macrosiphum granarium, 210
Magnolia grandiflora: Elsinoë magnoliae, a new species causing leaf scab, southern United States, 207
--- soulangeana: Cylindrocladium scoparium, 1st rept. on this host (Alabama), 207
Maine, 227, 228, 229
Malathion, 88, 94
Maneb, 227
Maps: Weather 1955, precipitation and temperature, 199-202
Marmor virgatum var. typicum, 210
Marssonina panattoniana, 226
Maryland, 63, 204, 211 ff., 219, 222, 223
Massachusetts, 207, 212, 216, 222
Matthiola incana: Xanthomonas incanae, 68
Meloidogyne spp., 217, 219, 223, 225
(Meloidogyne) arenaria, 214
--- hapla, 216, 224
--- incognita var. acrita, 209, 225, 227
--- javanica, 227
Merculine, 210
Merlane, 210
Mesulfane, 215
Methyl bromide, 94
Michigan, 204, 222, 228
Microstoma tonellianum, 207
Mildew, of Agaricus campestris, 221
Minnesota, 211
Mississippi, 203, 208, 218, 221, 224
Missouri, 214, 216, 217, 220, 221
Mold, of corn, 212
Monilochaetes infuscans, 226
Montana, 211, 212
Mycogetone perniciosa, 221
Mycosphaerella ligulicola, 60
--- melonis, 225
Myzus persicae, 218, 229
Nailhead spot, of tomato, 226
Nebraska, 206, 213, 222
Necrotic injury, of Persea americana, 217
Nemagon, 216, 217
Nematodes, on gladiolus, 81; in Louisiana soils, 209
Nerium oleander: Sphaceloma oleandri, 1st rept. from Florida, 204
Net blotch, of barley, 211
Net necrosis, of potato, 228
New gall disease, of Vaccinium corymbosum in Mass., 207
New genus: Xanthomonas sp. on Sesamus indicum, 223
New Hampshire, 213, 216, 217
New Jersey, 212, 217, 218, 226, 228
New Mexico, 209, 211, 217, 224
New York, 59, 205, 211, 213, 214, 216, 217, 218, 224, 225, 227, 228, 229
Nodal cankers, of peach, 217
Norsulfane, 215
North Carolina, 205, 212, 217, 219, 222, 225
North Dakota, 223
Oats: crown rust, 210; downy mildew, 1st rept. from Virginia, 203; loose smut, 210; microflora associated with, in storage, 210; mosaic virus, 210; smuts, 210; virus from orchard grass, 210
Ohio, 63, 213, 228
Oligomycin, 212
Ophiostoma bicolor, 220
--- truncicola, 220
Oregon, 204, 205, 206, 211, 212, 214, 218, 219
Ornamental plants, development and production of pathogen-free propagative material of, 56
Ovulinia azaleae, 219
Pacific Northwest, 213
Panogen, 210
Parathion, 60
Paratylenchus sp., 214
Parsnip: leaf spot, 228
Parzate, 219
PCNB, 229
Peach: bacterial spot, 217; boron deficiency, 217; nodal cankers, 217; Pratylenchus penetrans, 214; root knot nematode, 217; zinc deficiency, 1st rept. from Michigan, 204
Pelargonium hortorum: bacterial stem rot, 93; cutting rots, 93; production of pathogen-free propagative material, 93; Verticillium wilt, 93; virus diseases, 93
Pellionia pulchra: Rhizoctonia solani, 89
Penicillium martensii, 223
Pennisetum glaucum: top rot, 1st rept. on this host in U.S. (Georgia), 206
Pennsylvania, 204, 206, 213, 214, 221, 222, 228, 229
Pentachloronitrobenzene, 224
Pepper: bacterial spot, 224; damping-off, 224; potato virus Y, 229
Peronospora parasitica, 224
--- tabacina, 222
Persea americana: necrotic injury (physiological disorder), 217; Phytophthora root rot, 217
Phlyctochrytium, 223
Phomopsis cinerascens, 204
Physalospora sp., 213
--- obtusa, 216
Physiologic races of Puccinia graminis in the United States in 1955. Suppl. 239, pp. 99-105
Physoderma potteri, 206
Phytophthora capsici, 227
--- infestans, 227, 228
--- palmivora, 88
--- parasitica, 215
--- var. nicotianae, 223
--- phaseoli, 228
--- root rot, of Persea americana, 217
Picea engelmannii: fungi associated with Dendroctonus engelmanni, 220
Pink rib, of lettuce, 226
Pinus spp.: diseases in forest nurseries in Georgia, 220
--- contorta: Arceuthobium americanum, 220; A. vaginatum f. cryptopodum, 1st rept. on this host (Colorado), 220; dwarf mistletoe, 1st rept. on this host (Colorado), 208
--- monticola: pole blight (cause unknown, 220
--- ponderosa var. scopulorum: Arceutho-
(Pinus) bium americanum, 220
--- strobos: rust, stain technique for
detecting, 220
--- taeda: needle rust, 1st rept. from
Virginia, 204

Piricicularia oryzae, 211
Plant diseases, estimated loss in Ten-
nessee, 214; in New Mexico, 224; losses in Tennessee, 209
Plants, foliage and succulent: devel-
oped and production of pathogen-
free propagative material of, 88

Plasmodiophora brassicae, 224
Pleospora phaeocomes, 206
Poa pratensis: rust, 213
Podosphaera leucotricha, 217
--- oxyacanthae, 217
--- tridactyla, 207

Poinsettia pulcherrima: Cylindrocladium
scoparium, 1st rept. on this host
(Alabama), 207

Pole blight, of Pinus monticola, 220
Polygonum punctatum: smut, 204
Polymyxa graminis, 214
Polyoporus hispidus, 221

Populus nigra var. italic: yellow leaf
blister, 1st rept. from Virginia, 204
--- tremuloides: canker, 220; sooty-bark
canker, described for first time, in
Colorado, 208

Poria laevigata, 219
--- obliqua, 219
--- spiculosa, 208

Potato: blackleg, early blight, golden
nematode, 228; late blight, 227, 228;
leafroll (virus), 229; net necrosis,
228; ring rot, 228; scab, 229; speck
rot, 1st rept. from Virginia, 205;
Verticalhim albo-atrum, 229; virus
A, 228

Powdery mildew of almond, 207; apple
and cherry, 217; cucurbits, 225;
wheat, 211

Pratylenchus, 213, in Louisiana soils,
209
--- penetrans, 214, 215, 216
--- zeae, 212

Prosopis juliflora: Ganoderma zonatum,
220

Prunus spp.: bacterial spot, 217; Cyto-
spora canker, 217
--- serrulata: little cherry (virus), 219

Pseudomonas sp., 223
--- caryophylli, 72
--- lachrymans, 225
--- marginata, 81
--- solanacearum, 223
--- tabaci, 223
--- tolaasi, 221

Pseudoperonospora cubensis, 225
Pseudopityophthorus spp., 220

--- minutissimus, 221
Puccinia andropogonis, 213
--- asparagi, 224
--- carthami, 222
--- chrysanthemi, 60, 219
--- coronata var.avenae, 210
--- graminis, 213; physiologic races
of, in the U.S., 99
--- avenae, 102
--- tritici, 99, 210, 211
--- rubigo-vera var. tritici, 211

Puerto Rico, 88
Pyraclantha sp.: Cylindrocladium sco-
parium, new host (Ala.), 207

Pyrenophora teres, 211

Pythium spp., 93, 212, 219
--- aphanidermatum, 223
--- ultimum, 90, 221

Quercus spp.: oak wilt, 220; Polyporus
hispidus, 221

Races, of leaf rust of wheat, 212
Radopholus similis, 215

Ramularia pastinaceae, 228

Raspberry: ring spot virus, 218

Red rot, of sugarcane, 223

Rhzobilium spp., 214
--- japonicum, 214
--- meliloti, 214

Rhizoctonia solani, 81, 89, 93, 211, 219,
224, 227

Rhizopus oryzae, on sorghum, 211

Rhododendron spp. (azalea): flower blight,
219; Chrysomyxa ledi var. rhodendri,
1st rept. in U.S. (Washington), 207
--- indica: Cylindrocladium scoparium,
1st rept. on this host (Alabama), 207
--- obtusa japonicum: Cylindrocladium
scoparium, 1st rept. on this host
(Alabama), 207

Rhopalosiphumfitchii, 210

Rice: blast, 211; Tylenchorhynchus mar-
tini, 211

Ring rot, of potato, 228; Euphorbia pul-
cherrima, 219

Rosa spp.: culture-indexing of budwood
to provide Verticillium-free green-
house roses, 85; development of
propagative material free from black
spot, 91

Rust fungi, a check list of North Ameri-
can, 109

Rusts, see also under host and genera

Rusts, grass, of the world, host index
and morphological characterization
of the, 1-52

Saccharum officinarum: Meloidogyne
incognita var. acrita, 1st rept. on
this host (Louisiana), 209
Scab, of Carya illinoensis, 218; cucurbit, 224; potato, 229
Scarskin, of apple, 217
Sclerotiorum, see Sclerotinia camelliae, 218
--- trifoliorum, 214
Sclerotium rolfsii, 227
Scurf, of sweetpotato, 226; sugar beet, 222
Seed treatment, of beans and peas in Michigan, 228; potatoes, 228
--- --- materials, for control of oat loose smut and wheat bunt, 210; results of studies, 210
Septoria chrysanthemella, 59
--- gladioli, 81
--- obesa, 59
Sesamum indicum: aerial stem rot, 1st rept. in this country (Texas), 209; bacterial leaf spot, 223; Xanthomonas sp., hitherto unreported genus on this host, 223
Sodium pentaborate, 217
--- selenate, 59
--- sulfanilate, 212
Some new and important plant disease occurrences and developments in the United States in 1955. Suppl. 241, pp. 196-229
Sooty-bark canker, of Populus tremuloides, 208
Sorghum: Colletotrichum stalk rot, 211; covered kernel smut, 211; Fusarium stalk rot, 211; Rhizopus oryzae, 211
South Carolina, 210, 217, 222, 223, 225
South Dakota, 210
Southern blight, of tomato, 227
Soybean: bud blight (tomato- and tobacco ringspot viruses), 1st record of these viruses as agents of bud blight of soybean, 214; Heterodera schachtii var. trifolii, 214; Meloidogyne arenaria, 214; nematodes 212
Speck rot, of potato, 205
Spergon, 214
Spergon SL, 224
Sphaceloma oleanderi, 204
Sphacelotheca occidentalis, 213
--- sorgii, 211
Stalk rot, of corn, 212
Stalk rots, of sorghum, 211
Stem rot, aerial, of Sesamum indicum, 209
Stemphylium solani, 226, 227
Stenotaphrum secundatum: Physalospora, 213
Stewart's wilt, see bacterial wilt
Strawberry (see also Fragaria): black root rot, 216; gray mold, 215; hot water treatment, 215; nematodes in commercial areas, 215; plant propagation center in Oregon, 215; Pratylenchus penetrans assoc. with black root rot, 216; ring spot virus, transmitted by grafting from raspberry, 218; Verticillium wilt, 216
Streptomycetes scabies, 229
Streptomycin, 224, 225, 228; in apple and pear tissues, 216
--- sulfate, 224
Streptomycin-Terramycin sprays, 228
Stripe, of barley, 210; wheat, 205, 211
Stromatina gladioli, 81
Stysanus stemonites, 205
Sugar cane: red rot, 223
Sulfur, 211
Sweetpotato: internal cork (virus), 226; scurf, 226
Syngonium auritum: black cane rot (Ceratocystis fimbriata), 89
--- podophyllum var. Emerald Gem: root rot (water fungi), 90
Systox, 60
Tagetes erecta: mosaic (virus), 226
Taphrina populina, 204
Tennessee, 208, 210, 221
Terrachlor, 216
Texas, 203, 209, 220, 221, 223
'Thielaviopsis basicola, 219
Thioneb, 215
Tilletia sp., 210
--- caries, 212
--- controversa, 205, 212, 213
--- foetida, 210, 212
Tobacco: bacterial wilt, 223; black shank, 223; blue mold, 222; nematodes, 212, 222; virus diseases, 223; weather fleece, 223; wildfire, 223
Tomato: anthracnose, 227; bacterial spot, 227, 228; bacterial canker, 227; blossom-end rot, 227; foot rot, 227; fruit rot, 227; Fusarium wilt, 227; ghost spot, 227; gray leaf spot, 226, 227; gray mold, 227; late blight, 227; Meloidogyne incognita acrita, 227; nailhead spot, 226; potato virus Y, 228; southern blight, 227; tobacco mosaic (virus), 229
Top rot, of Pennisetum glaucum, 206
Trichoderus sp., 212
--- primitivus, 208
Trifolium spp.: isolation of pathogens, improved method, 214
--- pratense: Polymyxa graminis, 214; yellow bean mosaic (virus), 214
--- --- var. Ladino: Sclerotinia trifoliorum, 214
Tropaeolum majus: Heterosporium tropaeolum majus: Heterosporium tro-
Ulmus spp.: Dutch elm disease distribution in North America, 221
Ustilago maydis, 223
--- hordei, 210
--- kollerii, 210
--- nuda, 211
--- urticulosa, 204

Vaccinium corymbosum: new gall disease (undet.), in Mass., 207
Vapam, 216, 229
Verticillium sp., 221
--- albo-atrum, 60, 85, 93, 204, 216, 219, 222, 225, 229; previously unrecorded hosts of, in California, 205
Virus diseases: of cucurbits, 226; gladiolus, 81; Pelargonium hortorum, 93
--- aspermy of chrysanthemum, 219
--- aster yellows of chrysanthemum, 66
--- barley stripe mosaic, 211
--- big-vein of lettuce, 226
--- bud blight of soybean, 214
--- cereal yellow dwarf virus, 210
--- chrysanthemum rosette, 65
--- chrysanthemum stunt, 63
--- dapple apple (? virus) of apple, 217
--- flower distortion of chrysanthemum, 67, 219
--- internal cork of sweetpotato, 226
--- leafroll of potato, 229
--- little cherry, of Prunus serrulata, 219
---: (mosaics) canna-mosaic of canna, corn, and bean, 218; chrysanthemum mosaic, 65; cucumber mosaic of cucumber, 226; mosaic of Bromus inermis, 213, chrysanthemum, 219, Dianthus spp., 77, Gomphrena globosa, 226, lettuce, 226, oats, 210, Tagetes erecta, 226, tomato, 229, Zinnia elegans, 226; mosaic virus transmitted by Aceria ficus, 215; streak mosaic of wheat, 212; yellow bean mosaic of red clover, 214; yellow mosaic of bean, 228; yellow strain of wheat mosaic virus of cereal and forage crop plants and grasses, 210; yellow streak mosaic of wheat, 212
--- potato virus Y of tomato and pepper, 228
--- (necrotic) ring spot of cherry, 217; (tobacco) ring spot of cucumber, 226;
ring spot of raspberry 218, strawberry 218, tobacco 223
--- streak of Dianthus spp., 78
--- stunt of blueberry, 218
--- tomato aspermy, 66
--- tomato spotted wilt, 67
--- tristeza virus of lemon, 203, in Arizona, 215
--- virus A of potato, 228
--- viruses of Fragaria vesca, 216
--- white-Emperor virus of grape, 218
--- X-disease of chokecherry, 218
--- yellows of Dianthus spp., 79, of sugar beet, 222
Virginia, 203, 205, 222, 229

Washington, 205, 207, 211, 219, 225
Weather 1955: precipitation 197; snowfall 198; storms 198; summary 196; temperature 198
--- injuries: freezing of small grains in Ark. 210; weather flock of tobacco 223
West Virginia, 219, 220, 221, 224
Wheat: Aspergillus mold, 211; bunt, 210, 212; downy mildew, 1st rept. from Mississippi, 203; dryland root rot 211; dwarf bunt, 212; leaf rust, 211; powdery mildew, 211; smuts, 210; stem rust, 211; streak mosaic virus, 212; stripe (Cephalosporium gramineum), 211; 1st rept. in U.S. (Washington), 205, toxicity of various chemicals to seed, 211; yellow streak mosaic virus, 212
Wildfire, of tobacco, 223
Wisconsin, 211, 226, 229
Woody hosts: Verticillium albo-atrum in Illinois, 219

Xanthomonas sp., 223
--- campestris, 224
--- dieffenbachiae, 88
--- incanae, 68
--- juglandis, 218
--- malvacearum, 209, 222
--- pelargonii, 93
--- phaseoli, 228
--- pruni, 217
--- translucens var. undulosa, 206
--- vesicatoria, 224, 227, 228
Xiphinema, 213, 214, 215
Xyleborus spp., 220
Xyleterinus politus, 220

Yellow leaf blister, of Populus nigra var. italica, 204
Yellows, of cabbage, 224
Zineb, 216, 227
Zinnia elegans: Alternaria zinniae, 69; mosaic (virus), 226
ERRATA

On page 88, under 1. Dieffenbachia picta Schott, 2nd paragraph, 4th line, read who maintains pathogen-free stock, instead of who maintains pathogen-stock.

On page 89, under 2. 3rd paragraph 7th line read removed to reduce invasion by Botrytis cinerea instead of removed to reduce to reduce invasion by Botrytis cinerea.

On page 205 read Agropyron inerme instead of Agropyron inerne.

On page 221, 10th line read Pseudopityophthorus minutissimus instead of Pseudopityophthorous minutissimus.

In Supplement 237. "Host Index and Morphological Characterization of the Grass Rusts of the World" one page of the data tabulations is out of place. Page 44 belongs at the end of Group V. The following corrections should be made:

1. Annotate the bottom of page 41 as follows: "(see page 44 for the remainder of group V)."
2. Bottom of page 43 add: "Group VI continued on page 45."
3. Top of page 44 add: "Group V, continued."
4. Top of page 45 add: "Group VI, continued."

CROPS RESEARCH DIVISION, AGRICULTURAL RESEARCH SERVICE, UNITED STATES DEPARTMENT OF AGRICULTURE