Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.
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 Section of Mycology and Disease Survey serves merely as an informational clearing house. It does not assume responsibility for the subject matter.
LIST OF SUPPLEMENTS


Supplement 221. Distribution, symptoms and control of some of the more important plant diseases. pp. 106-181. This list was compiled by the YEARBOOK OF AGRICULTURE COMMITTEE, with the assistance of many other persons, for inclusion in the Department of Agriculture Yearbook, 1953. Circumstances prevented its publication in the Yearbook. Diseases and hosts are mostly those occurring in the United States. See its table of contents.


SUBJECT AND AUTHOR INDEX

Agaricales. Alaskan fungi, 32
Agaricus campestris: "two-phase pasteuring" system of mushroom culture, 93
Agropyron-Triticum hybrids: yellow-streak mosaic virus, 85
Agrostis spp.: Anguina agrostis, 85; Curvularia lunata, 85
Alabama, 76, 77, 82, 86, 90, 94
Albigo candida, 99
--- occidentalis, 78
Alfalfa: bacterial wilt, 87; Pierce's disease (virus), 91; witch's broom (virus), 87; yellow mosaic (new strain) in Idaho, 79
Alternaria sp., on soybean, 86
--- rot, of bell pepper, 100
Amaranthus retroflexus: broomrape, 1st rept. on this host (Calif.), 80
Amphorophora rubi, 91
Anguina agrostis, 85
Anthracnose, of Arceuthobium americanum, 79; cucurbits, 100; peach, 90; Platanus occidentalis, 97; Quercus alba, 98; soybean 86; tomato, 101
--- spot, of Cornus florida, 96
Aphelenchoides oryzae, 83
Apple: advances in disease control, 89; blackpox, 90; black rot, 89, 90; Botryosphaeria rot, 90; canker, 89; fireblight, limiting factor in Colo., 89; flyspeck, control, 90; flyspeck, 1st rept. from Calif., 76; rust, 89; scab, 89; sooty blotch, 90; southern blight, 89
Arasan, 86, 87
Arceuthobium americanum: anthracnose, 1st rept. on this host (Mont.), 79
Arizona, 72, 80, 94, 96, 97, 101
Arkansas, 72, 83, 90
Arrhenatherum elatius var. bulbosum (oat grass Tualatin var.): dwarf smut, 1st report. on this host (Oregon), 79
Azalea, see Rhododendron

Bacterial blight, of bean, 102; soybean, 86
--- leaf spot, of peach, 90
--- rust, of soybean, 86
--- stalk rot, of Zantedeschia spp., 93
--- wilt, of alfalfa, 87
Bacteriosis, of Corylus sp., 91; Juglans regia, 91
Barley: brome grass mosaic virus, 83; (Barley) loose smut, 83; powdery mildew, 83; soil sterilization not a basis for estimating losses from root rots, 82; spot blotch, 83; stripe mosaic (virus), 83
Bean: bacterial blights, translocation of streptomycin in plants and its effect on, 102; bean virus 2 (yellow), 102; blight, 102; ringspot, tobacco (virus), 102; yellow bean mosaic-new strain (virus) (Wash.), 81
---, lima: downy mildew, 102; seed treatment trials in Michigan, 102
Bemisia tabaci (insect), in Florida, 72, 93
Beet: yellow-net (virus), 99; yellows (virus), 99
---, forage: yellows (virus), 94
---, sugar: lightning injury, 94; yellows (virus), 94
Belgium, 88
Blackpox, of apple, 90
Black root rot, of cotton, 94
Black rot, of apple, 89, 90; cabbage, 99; grape, 91; Hyacinthus orientalis, 92; Iris spp., 92; sweetpotato, 100; Tulipa sp., 92
Black shank, of tobacco, 95
Blight, of bean, 102; Castanea spp., 96; Fittonia verschaffeltii var. argyreneura, 79; Thuja orientalis var. conspicua, 77
Blueberry: twig tip blight, 91
Blue mold, of tobacco, 95
Bordeaux mixture, 89, 97
Botryosphaeria ribis, 80, 90
--- rot, of apple, 90
Botrytis sp., on blueberry, 91
--- cinerea, 88
--- gladiolorum, 92
--- rot, of bell pepper, 100; strawberry, 88
British Columbia, 96
Bromus inermis: head smut, 85
Brown stem rot, of soybean, 86
Brown rot, of Citrus limon, 88
Brussels sprouts: Heterodera cruciferae, 1st rept. in this country (Calif.), 81
Bunt, of wheat, 82
---, dwarf, of rye, 78; wheat, 84
Buprestidae, 97

Cabbage: black rot, 99; yellows, 99
California, 76, 78 ff., 88, 90 ff., 99 ff.
Canada, 82, 86, 88
Cane blight, of Forsythia intermedia and F. suspensa, 80
Canker, of apple, 89; Ficus carica, 88; peach, 90; Populus spp., 97
---, concentric, and wood rot, on Citrus spp., 87
---, European larch, of Larix spp., 96
Capitophorus fragaefoli]; 89
Capsella bursa-pastoris: broomrape, 1st rept. on this host (Calif.), 80
Captan, 90
Carthamus tinctorius: root rot, 94; rust, 94; yellows (virus), 94
CASH, EDITH K., 3
Castanea spp., blight, 96
--- dentata: oak wilt, 96
Catface, of tomato, 102
Celery: adaxial crack stem (boron deficiency), 99; late blight, 99; Paratylenchus hamatus, 99
Cephalosporium gregatum, 86
Cerambycidae, 97
Ceratostomella ulmi, 98
Cercospora kikuchii, 86
--- sojina, 86
--- thujiina, 77
Cercosporella albomaculans, 100
--- geraniii, on Geranium viscosissimum in Wash., 80
Ceresan M, 86, 94
Chalara quercina, see Endoconidiophora
Chamaecyparis thyoides: root rot, 96
Charcoal rot, of Parthenium argentatum, 96; potato, 103; tobacco, 95
Check list of Alaskan fungi. Suppl. 219, pp. 1-70
Cherry: crinkle (virus), 210; indexing experiments, 210; ringspot (virus), 188; rosette or vein-clearing (virus), 192; transmission studies with viruses, 212; virus diseases, incidence and natural spread, 187; virus diseases, seed transmission, 190; washing improved keeping quality, 96; yellows, (virus), 187, economic importance, 215
---, sour: mottle (virus), 210
Chloropicrin, 100
Chrysanthemum spp.: stunt (virus), 92
Citrus spp.: concentric canker and wood rot, 87; gummosis (an actinomycete associated), 87; tristeza or quick decline (virus), 88
--- limon: brown rot, 88
--- sinensis: foot rot, 88
Cladosporium capsici, 81, 100
--- cucumerinum, 100
--- herbarum, 100
--- leaf spot, on bell pepper, 100, in Ga., 81
Clitocybe tabescens, 90
Coccomyces hiemalis, 188
Colladonus geminatus, 91
Colletotrichum spp., on soybean, 86
--- hibisci, 94
--- lagenarium, 100
--- phomoides, 101
Colorado, 96, 103
Connecticut, 85, 95
Control, of anthracnose of sycamore, 97; gladiolus diseases by heat curing and dipping of corms, 92; leaf diseases of shade trees in Ill., 96; needle browning in Pa., 97; oak wilt of oak, 72; powdery mildew of cantaloupe, 100; root-lesion nematode, 93; tobacco blue mold, 95
Coriolum zeaee n. sp., 78
Corn: ear rots, 85; leaf blight, 85; maize leaf fleck (virus). (Coriolum zeaee n. sp.) in Calif., 78; northern leaf blight, 85; Pratylenchus zeaee, 1st rept. from Texas, 76; rust, 85
Cornus florida: spot anthracnose, 96
Corylus sp.: bacteriosis, 91
Corynebacterium insidiosum, 87
Corynespora cassiicola, 76, 86
Cotton: alkali-centrifuge test for fiber deterioration, 94; black root rot, 94; cold injury, 94; damping-off, 94; disease losses, 94; dusting tests for control of fungus damage to seed, 94; root knot nematode, 94
Covered kernel smut, of Sorghum vulgare caffrorum, 83
Cowpea: heat tolerance for naturally occurring viruses, 87
Crag Fruit Fungicide 341, 89
Crataegus oxyacantha: Gymnosporangium sp., 91
Crazy dwarf, of Digitaria sanguinalis, 78; Panicum capillare, 79
Cricconemoides sp., on peanut, 93
Cronartium filamentosum, 72, 96
Crow and root rot, of strawberry, 88
Crown rust, of oats, 82
Crowns and stem rot, of Iris filifolia, 92
Cucurbita pithyophila, on Pinus spp., 96
Cucurbits: anthracnose, 100; powdery mildew, 100; scab, 100; viruses, 100
Curvarultra sp., on Gladiolus, 77
--- lunata, on Agrostis spp., 85
Cuscuta campestris: yellows (virus), 92
--- subinclusa: yellows (virus), 92
Cytopsora leucostoma, 89
Dactylis glomerata: purple leaf spot, 86
Damping-off, of cotton, 94; Trifolium pratense, 87
Dasyscypha wilkommii, 96
Deficiency diseases: adaxial crack stem (boron deficiency) of celery, 99
Delaware, 89, 95, 97, 102
Dendrophoma obscurans, 88
Dianthus caryophyllus: downy mildew, 1st rept. from Md., 77
Digitaria sanguinalis: crazy dwarf, 1st rept. on this host (Ind.), 78
Dinitro capryl phenyl crotonate, 100
Diploidia zaeae, 85
Diplodina, on peach, 90
Diseases of cereal crops, 82, 107; fiber crops, 120; forage and cover crops, 85; forage legumes, 86, 159; fruit crops, 87, 168; grasses 85, 164; nut crops, 91; ornamentals, 92, 122; rubber (Hevea), 139; shade trees, 96, 130; shrubs and trees, 96; special crops, 93, 138; sugar crops, 96, 140; tobacco, 95, 140; vegetable crops, 99, 144
Distribution, symptoms and control of some of the more important plant diseases. Suppl. 221, pp. 106-181
Dithane Z-78, 89
Ditylenchus sp., on Hydrangea opuloides, 77
Dothideales, Alaskan fungi, 5
Downy mildew, of Holcus halепennis, 79, 86; Dianthus caryophyllus, 77; lima bean, 102; oats, 76, 82; Rosa spp., 93; soybean, 86
Dry rot, of potato, 103
Dutch elm disease, of Ulmus spp., 98
Ear rots, of corn, 85
Economic losses: (see also losses) from curly top (Ruga verrucosans) of potato, 103
Elsinoe corni, 96
Endoconidiophora fagacearum, 72, 96, 97
--- fimbriata, 100
Endothia parasitica, 96
Erwinia amylovora, 89, 91
--- arboideae, 93
--- carotovora, 93
Erysiphales, Alaskan fungi, 6
Erysiphe cichoracearum, 100, 101
--- graminis, 83
--- --- var. avenae, 82
Escarole: soft rot, 101
Europe, 94, 97
Eurotiales, Alaskan fungi, 5
Exobasidiales, Alaskan fungi, 32
Ferbam, 90, 95
Ficus carica: canker, 88
Filbert, see Corylus
Fireblight, of apple, 88; pear, 91
Fittonia verschaffeltii var. argyronema: blight, 1st rept. on this host, 79
Fixed copper spray, 97
Flax: seed rot, 82; seed treatment, response of vars., 94
Florida, 72, 76, 77, 78, 80, 84, 88, 92, 93, 94, 95, 99, 100, 101
Flyspeck, of apple, 76, 90
Fomes annosus, 96, 97
--- applanatus, 87
--- igniarius, 97
Foot rot, of Citrus sinensis, 88
Forsythia intermedia: cane blight, 1st (Forsythia intermedia) rept. on this host (Md.), 80
--- suspensa: cane blight, 1st rept. on this host (Md.), 80
France, 88
Frogeye of soybean, 86
Fruit rot, of peach, 90
Fruit virus diseases in New York in retrospect, Suppl. 222, pp. 185-223
Fungicides, cooperative seed treatment tests for control of barley, oat and wheat diseases, 82
Fusarium sp., on Mentha piperita, 95; potato, 103
--- moniliforme, 85
--- oxysporum f. conglutinans, 99
--- f. lycopersici, 101
--- f. nicotianae, 95
--- roseum, 95, 100
--- wilt, of Sesamum orientale, 96; tobacco, 95; tomato, 101
Fusicladium pirinum var. pyraccanthae, 97
Fusicoccum persicae, 90
Georgia, 76, 80 ff., 86 ff., 93, 96, 98, 100, 102
Geranium maculatum: rhizome rot (Seaverinia geranii), 1st rept. from Ohio, 77
--- viscosissimum: Ceratosporella geranii sp. in Wash., 80
Giberella zeae, 85
Gladiolus: Curvularia sp., 1st rept. from Oregon, 77; Meloidogyne hapla, 1st rept. from Fla., 77; neck rot, 92; topple (? calcium deficiency), 1st rept. from N. C., 77; western aster yellows (virus), 72, 92
Gloeodes pomigena, 90
Gloeosporium ulmicolum, 98
Glomerella cingulata, 90
Gnomonia fragariae, 88
--- veneta, 97, 98
Gramineae: head smut, 85; spot blotch, 83
Grape: black rot, 91; Pierce's disease (virus), 91
Guignardia bidwellii, 91
Gummosis, of Citrus spp., 87
Gymnosporangium sp., on English hawthorn, 91; pear 72, 91; quince, 91
--- clavipes, 89
--- juniperi-virginianae, 89
Helminthosporium spp., on oats, 82
--- avenae, 82
--- papulosum, 90
--- sativum, 82, 83
--- turcicum, 85
--- victoriae, 82
Helotiales, Alaskan fungi, 16
Helotiales, Alaskan fungi, 16
Heterodera cruciferae, on Brussels sprouts
Macrophomina phaseoli, 95, 102, 103
Macrosiphum granarium, 86
Magnolia grandiflora: Sphaceloma magnaiae n. sp. (Fla., Ga., La., Miss.), 80
Manzate, 90, 101
Marmor medicaginis var. flavovarians n. var., 79
----- terrestre var. oculatum 82
----- var. typicum, 82
Maryland, 77, 80, 83, 86, 93, 96
Massachusetts, 85, 90, 96, 98
Melanconiales, Alaskan fungi, 47
Meliolales, Alaskan fungi, 6
Meloidogyne sp(p.), on Lespedeza spp., 87; tobacco, 95
----- hapla, 93, on Gladiolus in Fla., 77; peanut in Ala., 77; tomato 78
----- incognita, 87, 99
----- var. acrita, 94
Melothria: mosaic (virus), 100
Mentha spp.: rust, 94
----- piperita: Fusarium sp., Pythium sp., root and rhizome rot, 95
Michigan, 82, 95, 102
Microthyriales, Alaskan fungi, 6
Microthyriella rubi, 76
Minnesota, 82, 84, 86, 89, 98
Mississippi, 76, 79, 80, 82, 83, 86, 90, 96
Missouri, 77, 85
Moniliales, Alaskan fungi, 48
Monilinia brown rot, of peach, 90
Montana, 79, 83, 102
Myrica carolinensis: yellows (virus), 92
Myxomycetes, Alaskan fungi, 4
Myzus solani, 89

NANCE, NELLIE W., 72
Narcissus sp.: root-lesion nematode, 93
Nebraska, 83
Neck rot, of Gladiolus, 92
Needle browning, of Pinus rigida, 97
Needle cast, of Pseudotsuga taxifolia, 97
Nematodes, see under genera and hosts
New England, 99
New Jersey, 85, 92
New Mexico, 89, 94, 100, 102
New York, 85, 88, 96, 97, 101, 185
Nidulariales, Alaskan fungi, 42
Nigrospora oryzae, 85
North Carolina, 77, 82, 86, 90, 92 ff.
North Dakota, 82
Northern leaf blight, of corn, 85

Oats: crown rusts, downy mildew, smuts, 82; downy mildew, 1st rept. from Ala., Fla., and Tenn., 76; Helminthosporium spp., 82; leaf blotch, 82; powdery mildew, 82; red leaf (virus), 83; Septoria black stem, soil borne
(Oats) viruses, smog, smut, 82; smut control, cooperative tests with fungicides, 84; stem rust, Victoria blight, 82
Ohio, 77, 79
Oklahoma, 76, 84, 86, 87
Ophiobolus graminis, 76
Orchidaceae: virus diseases in Calif., 93
Oregon, 72, 77, 79, 88, 92, 93, 95, 99, 100
Orobanche ramosa, 80
Orthocide, 90
Orthocide 406, 88, 341
Ovulina azaleae, 93
Pacific Northwest, 84, 85, 93, 99
 Panicum capillare: crazy dwarf, 1st rept. on this host (Ind.), 79
Panogen, 86, 94
Paratylenchus hamatus, on celery, 99
Parthenium argentatum: charcoal rot, 95
Parzate, 90, 101
Peach: anthracnose, bacterial leaf spot, canker, fruit rot, Monilinia brown rot, phony peach (virus), root rot, 90; winter injury, 91; yellow leaf roll (virus), 91
Peanut: Meloidogyne hapla, 1st rept. from Ala., 77; root knot nematode, 93; yellows (Criconomoides sp.), 93
Pear: fireblight, 91; limiting factor in Colo., 89; Gymnosporangium sp., 91; rust, 72
Pennsylvania, 89, 90, 97, 98, 102
Pepper, bell: Alternaria rot, 100; Botrytis rot, 100; Cladosporium leaf spot, 1st rept. from this country (Ga.), 81, 100; curly top (virus), 100; storage and transit rot, 100
Peronospora antirrhini, 77
--- manshurica, 86
--- sparsa, 93
--- tabacina, 95
Petal blight, of Rhododendron spp., 93
Pezizales, Alaskan fungi, 18
Phacidales, Alaskan fungi, 15
Phomopsis cincturescens, 88
Phoradendron juniperum: Uredo phoradendri, 1st rept. on this host (Ariz.), 80
Phycomycetes, Alaskan fungi, 4
Phygon XL, 102
Phyllosticta sp., on soybean, 86
Phyllostictales, Alaskan fungi, 42
Physalospora iliciscola, on Ilex crenata var. rotundifolia in Ga., 80
--- obtusa, 89, 90
Phytophthora citrophthora, 88
--- drechsleri, 94
--- fragariae, 88
--- infestans, 72, 101, 102
(Phytophthora) parasitica var. nicotianae, 95
--- phaseoli, 102
Pinus spp.: Cucurbitaria pithyophila, 96; root rot, 96
--- ponderosa var. scuplorum: rust, in Arizona, 72, 96
--- resinosa: root and butt rot, 97
--- rigida: needle browning, 97; root rot, 97
Plant diseases, distribution, symptoms and control of some of the more important, 106-181
Platango spp.: scab, 1st rept. from Iowa, Kansas, Mo., 77
Platanus occidentalis: anthracnose, 97
Polyporus dryadeus, 98
Populus spp.: canker, 97
--- tremuloides var. aurae: wood rot, 97
Potato: charcoal rot, curly top (virus), dry rot, 103; late blight (see also tomato), 72, 103; powdery scab, Verticillium wilt, 103
Powdery mildew, of barley, 83; cucurbits, 100; Hibiscus cannabinus, 94; lettuce, 101; oats, 82
Powdery scab, of potato, 103
Pratylenchus sp., on sugarcane, 96
--- zeae, 76
Prunus spp.: phony peach (virus), 90
Pseudomonas glycinea, 86
--- lauracarum, on Umbellariar californica, 80
--- marginalis, 101
--- medicaginis var. phaseolicola, 102
--- tabaci, 86
Pseudoperonospora cubensis, 100
Pseudotsuga taxifolia: needle cast, 97
Puccinia aristidiae, 103
--- carthami, 94
--- coronata var. avenae, 82
--- graminis var. avenae, 82
--- graminis var. tritici, 84
--- menthae, 94
--- rubigo-vera var. secalis, 83
--- --- var. tritici, 84
--- sorghi, 85
Puratized Agricultural Spray, 97
Purple leaf spot, of Dactylis glomerata, 86
Purple seed stain, of soybean, 86
Pyracantha coccinea lalandi: scab, 97
Pythium sp., on Mentha piperita, 95;
--- Tricholium pratense, 87
--- ultimum, 87
Quercus: oak wilt, 72, 97; root rot, 98
--- alba: anthracnose, 98
Quince: Gymnosporangium sp., 91
Races (see also strains), of downy mildew on soybean, 86
Raspberry, black: mosaic (virus), 91
(Raspberry) wild black: mosaic (virus), 91
Red stele, of strawberry, 88
Resistance, of tall fescue grass to
Helminthosporium sativum, 83;
tomato to Fusarium and Verticillium
wilts, 102; wheat vars. to dwarf
bunt, 84
Rhabdocline pseudotsugae, 97
Rhizoctonia solani, 79, 94, 95, 102
Rhizoglyphus rhizophagus, 92
Rhizome rot, of Geranium maculatum, 77
Rhode Island, 85
Rhododendron spp.: petal blight, 93
Rice: root knot nematode, 99;
Sclerotinia rot, 99; white tip, 83
Root rot, of Carthamus tinctorius, 94;
Chamaecyparis thyoides, 96; peach, 90;
Pinus spp., 96; Pinus rigida, 97;
Quercus, 98
Root and butt rot, of Pinus resinosa, 97
Root and rhizome rot, of Mentha piperita, 95
Root and stem rot, of Lupinus spp., 87
Rosa spp.: downy mildew, 93; rosette
(virus), 82
Rot, storage and transit, of bell pepper, 100
Rust, of apple, 88; Carthamus tinctorius
94; corn, 85; Mentha spp., 94;
Pinus ponderosa var. scopulorum, 72,
96
---, orange, of spinach, 103
Rye: dwarf bunt, 1st rept. on this host
(Utah), 79; leaf rust, 83
Scab, of apple, 89; cucurbits, 100;
Plantago spp., 77; Pyracantha
coecinea Ialandis, 97
---, violet, on Viola spp., 77
Sclerospora sp., on Holcus halepensis,
78, 86; sugarcane, 78, 96
--- macrospora, 76, 82
Sclerotinia sclerotiorum, 83, 99, on
tomato, 102
Sclerotium bataticola, 89, 92, 95, 102
Scolytidae, 97
Seaverinia geraniif, 77
Seed rot, of flax, 82
Seed treatment tests, for control of
cereal diseases, 82; of legumes,
86; Lima bean, 102
Seedling blight, of wheat, 82
Senecio: stunt (virus), 92
Septogloeum gillii, 79
Septoria api, 99
--- black stem, of oats, 82
Sesamum orientale: Fusarium wilt, 96
Shrubs: winter injury, 96
Sida spp.: abutilon mosaic (virus), 72,
93
Small grains: virus diseases, 72, 83
Smog injury, to oats, 82
Smut, of oats, 82
---, covered kernel, of sorghum, 82
---, covered and loose, of oats, 82
---, head, of Bromus inermis, Gramineae,
85
---, loose, of barley, 83
Soft rot, of escarole, lettuce, 101
Soil rot, of sweetpotato, 100
Solanum sarachoides: broomrape, 1st rept.
on this host (Calif.), 80
Some new and important plant disease occur-
rences and developments in the U. S. in
1952. Suppl. 220, pp. 72-103
Sooty blotch, of apple, 80
Sorghum: covered kernel smut, 82
--- vulgare: seed treatment tests in North
Dakota, 83
--- var. caffrorum: covered kernel
smut, seed treatment tests, 83
South Carolina, 82, 90, 96
South Dakota, 82, 83, 84
Southeastern Coastal Plain, 82
Southern blight, of apple, 89
Soybean: anthracnose, bacterial blight,
bacterial pustule, brown stem rot,
downy mildew, frogeye, leaf spot,
purple seed stain, 86; target spot,
1st rept. from Va., 76, 86; wildfire,
86; yellow bean mosaic (virus), 1st
treatment from Miss., 76, 86
Sphaceloma magnoliae, on Magnolia grandi-
flora (in Fla., Ga., La., Miss.), 80
--- plantaginis, 77
--- violae, 77
Sphacelotheca sorghi, 82, 83
Sphaeriales, Alaskan fungi, 8
Spinach: orange rust, 103; white rust, 78
Spongospora subteranea, 103
Spot blotch, of barley, Gramineae, 83
Spray injury: hormone injury to tomato, 102
Stagonospora macrospora, 86
Stem-end rot, of strawberry, 88
Stem-end stripes, of tomato, 102
Stem-rust, of oats, 82; wheat and Agropyron
hybrid selections, 84
Strains (see also races), of Phomopsis
cinerescens, 88; Trifolium repens,
reaction to Stemphylium sacchariforme,
87
Strawberry: Botrytis rot, crown and root
rot, red stele, stem-end rot, 88;
stunt (virus), 89; tobacco necrosis
(virus), 88; western aster yellows
(virus), 1st rept. on this host (Calif.),
79; yellows (virus), 88
---, wild: virus diseases, 88
Streptomyces ipomoea, 100
Sugarcane: Pratylrenchus sp., 96;
Sclerospora sp., 1st rept. from La.,
78, 96
Sulfur, 100
Susceptibility, of smooth brome and rescue grass to Helminthosporium sativum, 83; sweetpotato var. to black rot, 100
Sweetpotato: black rot, 100; internal cork (virus), 100, 1st rept. from Fla., 78; soil rot, 100
Systox, 99

Tag 331, 97
Take-all, of wheat, 76
Taphrinales, Alaskan fungi, 5
Target spot, of soybean, 76, 86
Tennessee, 76, 77, 86, 88, 90, 95, 103
Texas, 76, 86, 90, 94, 95, 100, 102
Thielaviopsis basicola, 94
Thiolutin, 90
Thiuram, 90
Thuja orientalis var. conspicua: blight, 1st rept. from Tenn., 77
Tilletia spp., on wheat, 82
--- brevifaciens, 78
--- caries (see also T. brevifaciens), 82, 84
--- foetida, 82, 84
Tip blight, of Hibiscus cannabinus, 94
Tobacco: black shank, blue mold, charcoal rot, Fusarium wilt, golden nematode, mosaic (virus), root knot, 95
Tomato: anthracnose, 101; catface, 102; curly top (virus), 102, Fusarium wilt, 101; hormone injury in spray, 102; internal browning (? virus), 102; late blight, 72, 101; Meloidogyne hapla, 1st rept. from Fla., 78; resistance to Fusarium oxysporum f. lycopersici and Verticillium albo-atrum, 102; Sclerotinia sclerotiorum, stem-end stripes, vertebrae-crack lines, 102
Topple, of Gladiolus, 77
Trees: winter injury, 96
--- shade: control of leaf diseases, fungicide tests, 96
Tremellales, Alaskan fungi, 18
Tribasic copper sulphate, 99
Trifolium pratense: damping-off, 87; Stemphylium leaf spot, reaction of red clover strains to, 87
--- repens: Heterodera trifolii, 87
--- --- var. Ladino: virus disease, 87
Trunk-rotting disease, of Washingtonia filifera, 98
Tulipa sp.: black rot, 92
Turnip: leaf spot, 100
Twig tip blight, of blueberry, 91
Ulmus spp.: Dutch elm disease, 98; phloem necrosis (virus), 98

(Ulmus) procera argenteo-variegata:
Gloeosporium ulmicolum (on seed), 98
--- thomasi: Gloeosporium ulmicolum, 98
Umbellularia californica: Pseudomonas lauracearum n. sp. (Calif.), 80
Uredinales, Alaskan fungi, 18
Uredo phoradendri, on Phoradendron juniperinum, 80
Ustilaginales, Alaskan fungi, 30
Ustilago spp., on oats, 82
--- avenae, 82
--- buiata, 85
--- kollerii, 82
--- nuda, 83
Utah, 79, 99

Venturia inaequalis, 89
Verticillium albo-atrum, 103
Victoria blight, of oats, 82
Viola spp.: violet scab, 1st rept. from Kansas, 77
Virginia, 76, 85, 86, 87, 95, 102
Virus diseases: abutilon mosaic of Sida spp., 72, 93, bean virus 2 of bean, 102; brome grass mosaic of barley, 83; cowpea, heat tolerance, 87; crinkle of cherry, 210; of cucurbits, 100; curly top of bell pepper, 100; potato, 103; tomato, 102; fruit, in New York, 185; Holcus halepensis, 86; internal browning of tomato, 102; internal cork of sweetpotato, 78, 100; leaf fleck (Corium zea n. sp.) on corn, 78; mosaic of black raspberry, 91, lettuce, 101, Melothria, 100, tobacco, 95, wild black raspberry, 91; mottle of sour cherry, 210; of Orchidaceae, 93; phloem necrosis of Ulmus spp., 98; phony peach of peach, wild plum, 90; Pierce's disease of alfalfa and grape, 91; red leaf of oats, 83, ringspot of cherry, 188, Hydrangea, 92; ringspot, tobacco, of bean, 102; rosette of Rosa spp., 93; rosette or vein-clearing of cherry, 192; rugose mosaic of Hydrangea sp., 92; of small grains, 72, 83; soil-borne mosaic viruses of wheat, 76, 84; stripe mosaic of barley, 83; stunt of chrysanthemum, Senecio and strawberry, 92; tobacco necrosis of strawberry, 88; Trifolium repens var. Ladino, 87; tristeza or quick decline of Citrus, 88; western aster yellows of Gladiolus, 72, 92, strawberry, 79; wild strawberry, 88; witch's broom of alfalfa, 97; yellow bean mosaic of soybean, 76, 86, new strain on bean in Wash., 81; yellow leaf roll of peach, 91; yellow mosaic of alfalfa, 79; yellow-net of beet, 99;
(Virus diseases) yellow streak mosaic of Agropyron-Triticum hybrids, 85; mustard, 85; yellows of beet, 99, Carthamus tinctorius, 94; cherry, 187, Cuscuta campestris, 92, Cuscuta subinclusa, 92, forage beet, 94, Myrica carolinensis, 92, strawberry, 89, sugar beet, 94

Walnut, see Juglans
Washington, 80, 81, 91, 92, 96, 99
Washingtonia filifera: trunk-rotting disease in Calif., 98
Weather injuries: cold injury of cotton, 94; lightning injury to sugar beet, 94; winter injury to peach, 91, shrubs and trees, 96
Weather 1952, summary 72; temperature and precipitation, maps, 73; snowfall and destructive storms, 74
West Virginia, 98
Wheat: bunt, 82; dwarf bunt, 84; seed treatment tests for bunt control, 84; seedling blight, 82; smut control, cooperative tests with fungicides, 84; soil-borne mosaic viruses, 84, first rept. from Okla., 76; soil sterilization not a basis for estimating losses from root rots, 82; stem rust, 84; stinking smut, 82; take-all, 1st

ERRATA

On page 93, 3d paragraph, 1st line, read Rhododendron spp., instead of Rhododendron spp.
On page 80, Table 2, read Geranium viscosissimum instead of Geranium viscossissimum.

SECTION OF MYCOLOGY AND DISEASE SURVEY