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A Revised Check List of the Parasitic Fungi
on Cereals and Other Grasses in Oregon

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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 Division of Mycology and Disease Survey serves merely as an informational clearing house. It does not assume responsibility for the subject matter.

A REVISED CHECK LIST OF THE PARASITIC FUNGI ON CEREALS
AND OTHER GRASSES IN OREGON^{1/}

Roderick Sprague^{2/}

Plant Disease Reporter
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The first preliminary list of the diseases of cereals and grasses in Oregon^{3/} was issued in 1935 and additions^{4/} were added in 1937. These two lists are here combined together with further additions.

Oregon is well adapted to the growing of both cereals and grasses. The State is roughly divided by the Cascade Range into the humid western portion and the drier, semi-arid eastern region. The western portion is again partitioned into a narrow, very humid coastal strip flanked by the low Coast Range dividing the coast area from the wide Willamette Valley where winter rainfall is heavy and summer weather dry. Northward the Willamette drains into the Columbia River which breaks through the Cascade Range from the east. South of the Willamette Valley is a rugged area of valleys and hills extending to the Siskiyou Mountains on the California border. Eastern Oregon is a high plateau of sagebrush and grassland, with the eastern portion featured by the conifer-covered Blue Mountains and granitic Wallowa Mountains. Wheat is extensively grown in central Oregon, and in the vicinity of the Blue Mountains in Union and Umatilla Counties it is the major crop.

Diseases of grasses in Oregon are found throughout the State, but the most serious troubles occur in the humid coastal strip or, during the mild winter months, in the Willamette Valley. The native dry land blue-grasses and bunchgrasses are parasitized by a number of fungi, but the dry season which comes after the spring rains cease is, in general, unfavorable for the development of grass diseases in the interior country. Certain rusts, smuts, rootrots, and powdery mildews, however, are sometimes abundant.

This list is for the purpose of furnishing a ready reference to all known diseases of cereals or grasses in Oregon. During recent years there has been increasing interest in the long-neglected group of grass diseases. While it is realized that many of the fungi listed in this article cannot, from a practical standpoint, be considered in a control program, it is

^{1/} Cooperative investigations between the Divisions of Cereal Crops and Diseases and Forage Crops and Diseases, Bureau of Plant Industry, U. S. Department of Agriculture, and the Oregon Agricultural Experiment Station, contribution from the Department of Botany.

^{2/} Associate Pathologist, Division of Cereal Crops and Diseases, Bureau of Plant Industry, U. S. Department of Agriculture.

^{3/} A preliminary check list of the parasitic fungi on cereals and other grasses in Oregon. Plant Disease Reporter 19:156-186. 1935.

^{4/} Additions to the check list of the parasitic fungi on cereals and other grasses in Oregon (1935-37). Plant Disease Reporter 21:412-422. 1937.

important that a relatively complete list be assembled. A great deal of study must eventually be made to determine their host range, ecology and, where destructive, their control. As mentioned above, the diseases of grasses in the western portion of Oregon, particularly those of bent grasses, need study as they are destructive.

The writer is indebted to all of his colleagues who aided in the earlier lists. C. R. Orton determined the species of Phyllachora. Several of the grasses collected recently were identified by Agnes Chase and others by Helen Gilkey and Garland Powell. George Fischer determined certain species of smuts and rusts.

In citing authority for inclusion of the various fungi in this list, the writer wherever possible has again referred to representative collections in the Mycological Collections of the Department of Botany, Oregon State College, Corvallis, Oregon. Otherwise he has referred to specific references in reliable texts or, in a few cases, he has cited the fungi as having been seen and determined but collections not preserved. The collections at Corvallis now contain several thousand specimens of these fungi on Gramineae. A large number of duplicates have been sent to the Mycological Collections of the Bureau of Plant Industry, Washington, D.C., while representative collections also have been sent to Washington State College, Pullman, Washington, and to the University of Idaho, Moscow, Idaho.

The present list includes 677 citations of fungi on separate hosts.

Hitchcock (5) was again followed in classification of the grasses and cereals. Varieties except in rare instances were not segregated and the polymorphic group Bromus carinatus, B. marginatus, and B. polyanthus has been included under the one name, B. carinatus.

LIST OF FUNGI BY HOST PLANTS

Host and fungus or disease		Where found	Literature or specimen a/
Latin name	Common name		
AEGILOPS CYLINDRICA Host.			
Cercospora herpotrichioides	JOINTED GOATGRASS	Union County	(14)
Fron	Cercospora foot rot		
AEGILOPS CVATA L.			
Cercospora herpotrichioides	LITTLE GOATGRASS	Union County	(14)
Fron	Cercospora foot rot		
Puccinia rubigo-vera tritici	Leaf rust	b/	(2)
(Eriks. & Henn.) Carl.			
AEGILOPS TRIUNCIALIS L.			
Cercospora herpotrichioides	BARBED GOATGRASS	Union County	(14) 10,210
Fron	Cercospora foot rot		
AEGILOPS CRISTATUM (L.) Gaertn.			
Claviceps purpurea (Fr.) Tul.	CRESTED WHEATGRASS	Astoria in plots	8393
Epicoccum purpurascens Ehrbg.	Ergot	Astoria in plots	10,495
Fusarium culmorum (W. G. Sm.) Sacc.	Head mold	Wasco County	c/
F. oxysporum Schl.	Root rot	Wasco & Sherman Co.	c/
Puccinia glumarum (Schm.) Eriks.	Secondary pink root	Moro	7530
& Henn.	Stripe rust	Exp. Sta., Union	Fischer's Collections
Ustilago hypodytes (Schl.) Fr.	Stem smut		

a/ Numbers in parentheses refer to literature citations at end of text; other numbers not in parentheses refer to specimen numbers in the mycological herbarium of the Department of Botany, Oregon State College, Corvallis, Oregon

b/ Information lacking.

c/ Pure culture isolations made in Oregon by the writer, 1929-40.

AGROPYRON DASYSTACHYUM (Hook.) Scribn. (<i>A. lanceolatum</i> Scribn. & Smith) <i>Ascospora graminis</i> Lind. <i>Erysiphe graminis</i> DC. <i>Puccinia graminis</i> Pers. <i>P. rubigo-vera</i> (DC.) Wint. <i>Rhynchosporium secalis</i> (Oud.) J.J. Davis <i>Scolecotrichum graminis</i> Fekl.	THICKSPIKE WHEATGRASS (Downy wheatgrass) Mold Powdery mildew Stem rust Leaf rust Leaf scald Leaf stripe	Biggs, Celilo Wasco & Sherman Co. Sherman County Redmond, Celilo Wasco County Jackson, Sherman and Wasco Counties	10,809 10,224 (2, 7) (2, 7) 10,054 10,059
<i>Selenonoma donacis</i> (Pass.) Sprague & Johnson var. <i>stomaticola</i> (Bauml.) Sprague & Johnson	Selenophoma speckle	Celilo Falls	673
AGROPYRON INERMEE (Scribn. & Smith) Rydb. (<i>A. spicatum inerme</i> Scribn. & Smith) <i>Erysiphe graminis</i> DC. <i>Scolecotrichum graminis</i> Fekl. <i>Septoria elymi</i> Ell. & Ev.	BEARDLESS WHEATGRASS Powdery mildew Leaf stripe Leaf mottle	Rufus Klamath Falls & Rowena Rowena	10,928 10,056 c/ 10,378
AGROPYRON TRACHYCAULUM (Link) Malte (<i>A. tenerum</i> Vasey, <i>A. pauciflorum</i> (Schw.) Hitch.) <i>Claviceps purpurea</i> (Fr.) Tul. <i>Erysiphe graminis</i> DC. <i>Puccinia graminis</i> Pers. <i>P. montanensis</i> Ell. <i>Scolecotrichum graminis</i> Fekl. <i>Ustilago striataeformis</i> (Westd.) Niessl	SLENDER WHEATGRASS Ergot Powdery mildew Stem rust Brown stripe rust Leaf stripe Stripe snut	Union Andrews Union Union Upper Klamath Marsh Exp. Sta., Union	10,693 (W.A.F., 164)d/ 10,692 10,695 527 Fischer's Coll.
AGROPYRON REPENS (L.) Beauv. <i>Bacterium</i> sp. <i>Claviceps purpurea</i> (Fr.) Tul. <i>Helminthosporium tritici-repentis</i> Died.	QUACKGRASS Leaf rot Ergot Brown leaf speckle	Corvallis Hood River Alsea Valley	10,117 10,697 10,752

Puccinia rubigo-vera (DC.) Wint.	Leaf rust	Warrenton	10,312
Rhynchosporium secalis (Oud.) J.J.Davis	Leaf scald	Corvallis	10,117
Septoria elymi Ell. & Ev.	Leaf mottle	Silver Creek Falls	10,282
Ustilago hypodytes (Schl.) Fr.	Stem smut	& 6 miles N. of Eugene	465
		Hood River	336
AGROPYRON SMITHII Rydb.	WESTERN WHEATGRASS		
Scolecotrichum graminis Fekl.	Leaf stripe	Upper Klamath Lake	10,057
Ustilago hypodytes (Schl.) Fr.	Stem smut	Heppner	10,164
AGROPYRON SPICATUM (Pursh.) Scribn. & Smith	BLUE BUNCH WHEATGRASS		
Cladosporium herbarum Lk.	Leaf mold	18 mi. east of Arlington	157
Erysiphe graminis DC.	Powdery mildew	Friend	873
Puccinia glumarum (Schm.) Eriks. & Henn.	Stripe rust	Pendleton	Herb., Univ. of Idaho
P. pattersoniana Arth.	Patterson's rust	E. Oreg.	(2, 7)
P. rubigo-vera (DC.) Wint.	Leaf rust	Benton County	(2, 7)
Scolecotrichum graminis Fekl.	Leaf stripe	Fossil	10,808
Septoria infuscans (Ell. & Ev.) Sprague	Brown leaf blotch	John Day Canyon	658
Urocystis agropyri (Preuss.) Schroet.	Smut	Wasco County	27,001
Ustilago macrospora Desm.	Smut	-----	(4)
AGROPYRON SUBSECUNDUM (Link) Hitchc.	BEARDED WHEATGRASS		
(A. caninum Am. Auth.)			
Puccinia montanensis Ellis	Brown stripe rust	Hood River	10,252
AGROSTIS AEQUIVALVIS (Trin.) Trin.	BENT GRASS		
Puccinia coronata Corda	Crown rust	Silver Creek Park	330
AGROSTIS ALBA L.	REDTOP		
Claviceps purpurea (Fr.) Tul.	Ergot	Clatsop County	10,317
Darluca filum (Biv.) Cast.	Parasite on crown rust	Astoria	10,735
Mastigosporium rubricosum (Dearn. & Barth.) Sprague	Red eye spot	Coast region	10,586

Phycomycete Indet. <u>e/</u>	Purple leaf speckle	Corvallis, Wells	799
Puccinia coronata Corda	Crown rust	W. Oregon	(2, 7)
P. graminis Pers.	Stem rust	Astoria	10, 313
Rhizoctonia solani Kühn	Leaf rot	Corvallis	<u>e/</u>
Rhynchosporium orthosporum Caldwell	Leaf scald	Corvallis	798
R. secalis (Cud.) J.J.Davis	Leaf scald	Granger	10, 344
Septoria triseti Speg.	Gray leaf speckle	Shedd, Corvallis	(Culture S 113); 798
Uromyces jacksonii Arth.&Fromme	Jackson's rust	W. Oreg.	(2)
Ustilago striaeformis (Westd.) Niessl	Stripe smut	Monroe, Wells (near)	10, 719
AGROSTIS CANINA L.	VELVET BENT		
Mastigosporium lubricosum (Dearn. & Barth.) Sprague	Red eye spot	Astoria in plots	10, 980
Phycomycete Indet. <u>e/</u>	Purple leaf speckle	Astoria	119
Puccinia coronata Corda	Crown rust	Astoria in plots	10, 713
P. graminis agrostidis Eriks.	Stem rust	Astoria in plots	10, 713
AGROSTIS CASTELLANA Boiss. & Reut.	BENT	Corvallis	H.A. Rampton
Puccinia coronata Corda	Crown rust	Corvallis	H.A. Rampton
Scolecotrichum graminis Fekl.	Leaf stripe	Corvallis	H.A. Rampton
Septoria triseti Speg.	Gray leaf speckle		
AGROSTIS DILCOENSIS Vasey	THINGRASS		
(A. foliosa Vasey)	(Leafy bent)	W. Oreg.	(2, 7)
Puccinia coronata Corda	Crown rust	Mehl Creek (Douglas County)	419
Septoria calamagrostidis (Lib.) Sacc.	Leaf spot		
AGROSTIS ELARATA Trin.	SPIKE REDTOP		
Claviceps purpurea (Fr.) Tul.	Ergot	Warrenton	10, 314
Darluca filum (Biv.) Cast.	on Puccinia coronata Corda	Clifton	10, 712
Erysiphe graminis DC.	Powdery mildew	Marion County	10, 507

e/ This is a unilocular body or cluster of bodies embedded in the leaf. No one has been able to identify them. They probably belong near the Chytridiales. Nothing is known of their life history as the bodies have not been seen to germinate although sometimes they are found empty. At times they are very common during moist periods in winter but more often only a few leaves will be found infected on a plant.

Helminthosporium triseptatum Drechsl.	Leaf spot	Wells, Benton Co.	737
Hendersonia sp.	Leaf spot	Clifton	10,712
Mastigosporium rubricosum (Dearn. & Barth.) Sprague	Red eye spot	Hanchet Creek, Yamhill County	745
Phycomycete Indet. <u>e/</u>	Purple leaf speckle	Clatsop County	456
Puccinia coronata Corda	Crown rust	W. Greg.	(2, 7)
P. graminis Pers.	Stem rust	Jackson County	(2, 7)
Scolecotrichum graminis Fekl.	Leaf stripe	Union Creek, Hanchet Creek	532
Septoria calamagrostidis (Lib.) Sacc.	Leaf spot	Marion & Lincoln Cos.	10,377
Ustilago striaeformis (Westd.) Niessl.	Stripe smut	Benton & Jackson Cos.	1391
AGROSTIS EXARATA var. AMPLA (Hitchc.) Hitchc. Septoria triseti Speg.	GIANT SPIKE REDTOP Gray leaf speckle	Lewisburg, Benton Co.	647
AGROSTIS HALLII Vasey	WILD BENT		
Phycomycete Indet. <u>e/</u>	Purple leaf speckle	1 mi. west of Summit	91
Rhizoctonia solani Kühn	Leaf rot	Benton County	8489
Scolecotrichum graminis Fekl.	Leaf stripe	Helmick Park	8370
Septogloeum oxysporum Bomm., Rouss. & Sacc.	Char spot	Corvallis	8278
Septoria sp.	Leaf spot	Helmick Park	8370
Uromyces jacksonii Arth. & Fromme	Jackson's rust	Benton County	(2, 7)
AGROSTIS SCABRA Willd.	TICKLEGRASS		
Scolecotrichum graminis Fekl.	Leaf stripe	Upper Klamath Marsh	530
Septogloeum oxysporum Bomm., Rouss. & Sacc.	Char spot	Cornucopia	(Fischer)
AGROSTIS HOWELLII Scribn.	HOWELL'S BENT		
Hendersonia culmicola var. minor Sacc.	Leaf & sheath rot	W. fork of Hood Riv.	804
AGROSTIS LONGILIGULA Hitchc.	PACIFIC BENT		
Puccinia coronata Corda	Crown rust	Coast	(2, 7)
AGROSTIS PALLENS Trin.	DUNE BENT (Seashore bent)		
Uromyces jacksonii Arth. & Fromme	Jackson's rust	Coast	(7)

AGROSTIS PALUSTRIS Huds. (A. maritima Lam.)	Clatsop County	10,316
Claviceps purpurea (Fr.) Tul.	Corvallis	10,447
Fusarium culmorum (W.G.Sm.) Sacc.	Willamette Valley	10,447
F. nivale (Fr.) Ces. f/	6 mi. S. of Newport	34
F. nivale (Fr.) Ces. var. majus Wr.	6 mi. S. of Newport	39
Macrophoma sp.		
Mastigosporium rubricosum (Dearn. & Barth.) Sprague	Coast region, Willamette Valley	10,308
Ovularia pulchella (Ces.) Sacc. ar. (?)	Corvallis	10,131
Phycomycete Indet. e/	Corvallis, Summit	69
Puccinia coronata Corda	W. Oreg.	(7)
Rhizoctonia solani Kühn	Corvallis	10,447
Septoria calamagrostidis (Lib.) Sacc.	W. Oreg.	c/ 8490
Phaeoseptoria sp.	6 mi. S. of Newport	39
Septoria triseti Speg.	Near Newport	16
Tilletia pallida Fisch.	Coast	8303
Uromyces jacksonii Arth. & Fromme	Hood River	(7)
Ustilago striaeformis (Westd.) Niessl	Near Salem	671
AGROSTIS STOLONIFERA L. Mastigosporium rubricosum (Dearn. & Barth.) Sprague	Astoria in plots	8263
AGROSTIS TENUIS Sibth. Claviceps purpurea (Fr.) Tul.	COLONIAL BENT (Astoria bent) Astoria	10,029
Corticium solani (Prill. & Del.) Bourd. & Galz.	W. Oreg.	c/ 747
Darluca filum (Biv.) Cast.	Astoria, Hebo	365
Fusarium culmorum (W.G.Sm.) Sacc.	W. Oreg.	c/
F. nivale (Fr.) Ces.	Corvallis	10,747
F. exysporum Schl.	Corvallis	c/
Helminthosporium stenacrum Drechs.	Corvallis	10,747
Mastigosporium rubricosum (Dearn. & Barth.) Sprague	Coast region, Willamette Valley	10,585

f/ The cause of the winter "snow mold" of grasses is greatly in need of study both from a control and a taxonomic standpoint.

Phycomycete Indet. <u>e</u> /	Purple leaf speckle	Willamette Valley, Coast Region	107,49;156
Puccinia coronata Corda	Crown rust	Astoria	10, 734
P. graminis Pers.	Stem rust	Benton County	10, 052
Robillarda agrostidis Sprague	Leaf rot	Corvallis	42
Septoria triseti Spæg.	Gray leaf speckle	W. Oregon	10, 483
Ustilago striaeformis (Westd.) Niessl.	Stripe smut	Corvallis	18
AGROSTIS VERTICILLATA Vill.	WATER BENT		
Erysiphe graminis DC.	Powdery mildew	Sherman County	10, 287
Mastigosporium rubricosum (Dearn. & Barth.) Sprague	Red eye spot	Astoria	8262
AIRA (See DESCHAMPSIA)			
ALOPECURUS AEQUALIS Sobol.	SHORTAWN FOXTAIL (Little meadow foxtail)		
Scolecotrichum graminis Fckl.	Leaf stripe	Upper Klamath Lake	10, 058
ALOPECURUS GENICULATUS L.	WATER FOXTAIL		
Scolecotrichum graminis Fckl.	Leaf stripe	Crater Nat'l Forest	518
ALOPECURUS PRATENSIS L.	MEADOW FOXTAIL		
Claviceps purpurea (Fr.) Tul.	Ergot	Astoria	10, 705
Puccinia coronata Corda	Crown rust	Astoria	10, 291
P. graminis Pers.	Stem rust	Astoria	10, 706
Rhynchosporium sp.	Leaf scald	Corvallis	10, 275
Scolecotrichum graminis Fckl.	Leaf stripe	Corvallis	10, 275
ALOPECURUS SACCATUS Vasey	PACIFIC MEADOW FOXTAIL		
Puccinia graminis Pers.	Stem rust	Corvallis	(2, 7)
AMMOPHILA ARENARIA (L.) Link	EUROPEAN BEACHGRASS		
Cladosporium sp.	Leaf mold	Lake Lytle	8386

Puccinia coronata Corda
P. graminis Pers.
Rhizoctonia solani Kühn
Septoria tritici Rob.f. *avenae* (Desm.) Sprague
Ustilago avenae (Corda) Jens.
Ustilago kolleri Wille (U. *levis* (Kell & Sw.) Magn.)

AVENA FATUA L.

Erysiphe graminis DC.
Fusarium culmorum (W.G.Sm.) Sacc.
Helminthosporium avenae Eidam
Puccinia coronata Corda
P. graminis Pers.
Rhizoctonia solani Kühn
Septoria tritici Rob. f. *avenae* (Desm.) Sprague

AVENA NUDA L.

Puccinia coronata Corda
P. graminis avenae Eriks. & Henn.

AVENA SATIVA L.

Bacterium striafaciens Elliott [Phycomonas s. Bergéy et al.]
Cercospora herpotrichioides Fron
Colletotrichum graminicolum (Ces.) Wils.
Erysiphe graminis DC.
Darluca filum (Biv.) Cast.
Fusarium culmorum (W.G.Sm.) Sacc.
F. poae (Pk.) Wr.
Helminthosporium avenae Eidam
H. sativum P.B. & K.
Heterosporium avenae Oud.
Ophiobolus graminis Sacc.
Pseudodiscosia avenae Sprague & Johnson

Crown rust
Stem rust
White foot rot
Leaf blotch
Loose smut
Covered smut
Coast
W. Oregon
Lincoln & Lane Cos.
W. Oregon
Scattered
General
1820
1820

WILD OAT
Powdery mildew
Root rot
Leaf spot
Crown rust
Stem rust
White foot rot
Leaf blotch

NAKED OATS

Crown rust
Stem rust
Astoria in plots
Astoria in plots

OAT

Bacterial stripe blight
Foot rot
Anthracnose
Powdery mildew
on *Puccinia graminis*
Root rot
Head blast

Leaf spot
Root rot
Leaf mold
Take-all
Red leather leaf

Corvallis, Mosier
Linn County
W. Oregon
Lincoln County
Willamette
Lincoln County
Benton, Lincoln &
Coc Counties
1101
48
e/
7537
(2, 7)
10,477
10,031

Corvallis
Wasco County
Lincoln County
Scattered
Willamette Valley
W.Oreg. & Moro
Hood River, Astoria,
and Warrenton
W. Oregon
Lincoln County
Forest Grove
Marion County
Western Oregon
(A.G. Johnson)
(14)
5196
10,158
7532
(8)
10,355
c/ 10,116
10,114 (13)
10,452
10,160
(12) 10,045

<i>Puccinia coronata</i> Corda	Crown rust	W. Oreg.	(2, 7)
<i>P. graminis</i> Pers.	Stem rust	W. Oreg.	(2, 7)
<i>Rhizoctonia solani</i> Kühn	White foot rot	Lincoln & Lane Cos.	(10) c/
<i>Septoria tritici</i> Rob. f. <i>avenae</i> (Desm.) Sprague	Leaf blotch	W. Oregon	(9) 10,035
<i>Ustilago avenae</i> (Corda) Jens.	Loose smut	Scattered	1064
<i>U. kolleri</i> Wille (U. <i>levis</i> [Kell. & Sw.] Magn.)	Covered smut	General	3821
<i>Wojnowicia graminis</i> (McAlp.) Sacc.	Secondary root rot	Wasco, Union, & Umatilla Counties	(11) c/
<i>B. BOO</i> (GENUS INDET.)	Leaf mold	Corvallis	10,628
<i>ycosphaerella tulasnei</i> Jacz.			
BECKMANNIA SYZIGACHNE (Steud.) Fern. (B. <i>erucaeformis</i> Am. Auth.)	AMERICAN SLOUGHGRASS		
<i>Puccinia graminis</i> Pers.	Stem rust	Corvallis	(2, 7)
<i>Scolecotrichum graminis</i> Fekl.	Leaf stripe	W. Oregon	10,060
<i>Uromyces beckmanniae</i> Jacks.	Rust	W. Oregon	(2, 7)
BROMUS ARENARIUS Labill.	AUSTRALIAN CHESS		
<i>Scolecotrichum graminis</i> Fekl.	Leaf stripe	Tygh Ridge (Wasco Co.)	10,085
BROMUS CARLINATUS Hook. & Arn. ^{h/}	CALIFORNIA BROME		
<i>Ascochyta graminicola</i> Sacc. var. <i>diedickeana</i> Baudys & Picb.	Leaf spot	Hood River, Whitson	10,200
<i>Bacterium coronafaciens atropurpureum</i> (Reddy & Godkin [Phytomonas c. <i>atropurpurea</i> Magrou])	Chocolate spot	Corvallis	10,592
<i>Claviceps purpurea</i> (Fr.) Tul.	Ergot	S. Benton County	10,731
<i>Corticium solani</i> (Prill. & Del.) Bourd. & Galz. (<i>Rhizoctonia solani</i> Kühn)	Leaf rot	Hood River	10,245
<i>Darluka filum</i> (Biv.) Cast.	Parasite on leaf rust	Corvallis	790
<i>Erysiphe graminis</i> DC.	Powdery mildew	Wasco & Benton Cos.	10,221
<i>Heterosporium</i> sp.	Leaf rot	Mt. Hood	1558-A
<i>Phycomycete</i> Indet. ^{e/}	Purple leaf speckle	Glenwood	459
<i>Puccinia glumarum</i> (Schm.) Eriks. & Henn.	Stripe rust	Medford, Corvallis	Univ. of Idaho Herb.
<i>P. rubigo-vera</i> (DC.) Wint.	Leaf rust	General	(2, 7)

^{h/} Includes *B. marginatus* and *B. polyanthus*.

Scolecotrichum graminis Fckl.	Leaf stripe	General	10,061
Septoria jaccuella Sprague	Western leaf spot	General	10,372
Ustilago bullata Berk.	Brome smut	Scattered	10,521
BROMUS CATHARTICUS Vahl. (B. uniolooides H.B.K.)	RESCUE GRASS		
Puccinia rubigo-vera (DC.) Wint.	Leaf rust	Corvallis	10,105
Ustilago bullata Berk.	Brome smut	Astoria in plots	10,686
BROMUS COMMUTATUS Schrad.	HAIRY CHESS		
Darluca filum (Biv.) Cast.	on Puccinia rubigo-vera	Corvallis	10
Puccinia rubigo-vera (DC.) Wint.	Leaf rust	W. Oregon	(2)
Septoria bromi Sacc.	Leaf spot	Gen. in Willamette Valley	10,394
Ustilago bullata Berk.	Brome smut	General	1200
BROMUS ERECTUS Huds.	ERECT BROME		
Bacterium coronafaciens atropurpureum Reddy & Godkin [Phytomonas]	Chocolate spot	Astoria in plots	10,711
BROMUS GRANDIS (Shear) Hitchc.	TALL BROME		
Puccinia rubigo-vera (DC.) Wint.	Leaf rust	Corvallis	(2, 7)
BROMUS INERMIS Leyss.	SMOOTH BROME		
Scolecotrichum graminis Fckl.	Leaf stripe	Grant County	10,104
Ustilago bullata Berk.	Brome smut	-----	(1)
BROMUS MOLLIS L. (B. hordeaceus Am. Auth.)	SOFT CHESS (Soft cheat)		
Puccinia rubigo-vera (DC.) Wint.	Leaf rust.	W. Oregon	(2, 7)
Septoria bromi Sacc.	Leaf spot	W. Oregon	10,995
Tilletia guyotiana Har.	Smut	5 mi. E. of Weston	Fischer's coll.
Ustilago bullata Berk.	Brome smut	General	1814
BROMUS ORCUTTIANUS Vasey	ORCUTT BROME		
Ophiobolus graminis Sacc.	Take-all	Curry County	7599
Scolecotrichum graminis Fckl.	Leaf stripe	Siskiyou Mts.	10,064

BROMUS PACIFICUS Shear					
Puccinia rubigo-vera (DC.) Wint.					
Scolecotrichum graminis Eckl.					
BROMUS RACEMOSUS L.					
Erysiphe graminis DC.					
Puccinia rubigo-vera (DC.) Wint.					
Septoria bromi Sacc.					
Ustilago bullata Berk.					
BROMUS RIGIDUS Roth.					
Bacterium coronafaciens atropurpureum Reddy & Godkin [Phytonomas]					
Cercospora bromi Sprague					
Puccinia rubigo-vera (DC.) Wint.					
Septoria jacucella Sprague					
BROMUS SECALINUS L.					
Puccinia rubigo-vera (DC.) Wint.					
Septoria bromi Sacc.					
Ustilago bullata Berk.					
BROMUS SECALINUS L. var. VELUTINUS (Schrad.) Koch					
Ustilago bullata Berk.					
BROMUS SITCHENSIS Trin.					
Puccinia glumarum (Schm.) Eriks. & Henn.					
P. rubigo-vera (DC.) Wint.					
BROMUS STERILIS L.					
Erysiphe graminis DC.					
BROMUS TECTORUM L.					
Cercospora herpotrichioides Fron.					
Fusarium culmorum (W.G.Sm.) Sacc.					
PACIFIC BROME					
Leaf rust					
Leaf stripe					
SMOOTH FLOWERED SOFT CHEAT					
Powdery mildew					
Leaf rust					
Leaf spot					
Brome smut					
RIPGUT GRASS					
Chocolate spot					
Gray leaf spot					
Leaf rust					
Western leaf spot					
CHESS (Cheat)					
Leaf rust					
Leaf spot					
Brome smut					
CHESS					
Brome smut					
ALASKA BROME					
Stripe rust					
Leaf rust					
BARREN CHEAT					
Powdery mildew					
DOWNY CHESS (downy brome)					
Cercospora foot rot					
Root rot					

S.fork of Alsea Riv.
Corvallis

10,678
10,066

SMOOTH FLOWERED SOFT CHEAT

Medford

10,250

Hood River and

Yamhill Counties

(2, 7)

10,811

10,089

Corvallis

Blue Mts.

Leaf spot

Brome smut

RIPGUT GRASS

Chocolate spot

Gray leaf spot

Leaf rust

Western leaf spot

Rufus

Tumwater, Corvallis

E. & S. Oregon

6 mi. N. of Eugene

10,950

10,405

(2, 7)

424

CHESS (Cheat)

Leaf rust

Leaf spot

Brome smut

(2, 7)

W. Oregon

Willamette Valley

General

10,402 c/

1821

CHESS

Brome smut

10,430

Corvallis

ALASKA BROME

Stripe rust

Herb. Univ.

of Idaho

(2)

Leaf rust

BARREN CHEAT

Powdery mildew

10,487

Corvallis

DOWNY CHESS (downy brome)

Cercospora foot rot

Root rot

Union & Wasco Cos.

Wasco County

c/

c/

<i>Puccinia rubigo-vera</i> (DC.) Wint.	Leaf rust	Columbia County	(2, 7)
<i>Ustilago bullata</i> Berk.	Brome smut	E. Oregon	10,290
<i>Wojnowicia graminis</i> (McAlp.) Sacc.	Secondary root rot	Union County	c/
<i>BROMUS VULGARIS</i> (Hook.) Shear	NARROW FLOWERED BROME		
<i>Cercospora bromi</i> Sprague	Gray leaf spot	Sourgrass Crk., Yamhill County	467
<i>Darluca filum</i> (Biv.) Cast.	Parasite on leaf rust	Near Pacific Grange, Clatsop County	347
<i>Mastigosporium cylindricum</i> Sprague	Brown spot	Mehl Creek Road, Douglas County	488
<i>Puccinia rubigo-vera</i> (DC.) Wint.	Leaf rust	W. Oregon	(2, 7)
<i>CALAMAGROSTIS CANADENSIS</i> (Michx.) Beauv.	BLUEJOINT		
<i>Puccinia coronata</i> Corda	Crown rust	Columbia County	(2, 7)
<i>Urocystis agropyri</i> (Preuss.) Schroet.	Smut	Mann's Lake	(4) (W.A.F. 222) d/
<i>CALAMAGROSTIS INEXPANSA</i> A. Gray	NORTHERN REEDGRASS (Narrow spiked reedgrass)		
<i>Puccinia coronata</i> Corda	Crown rust	Astoria	(2, 7)
<i>CALAMAGROSTIS NUTKAENSIS</i> (Presl.) Steud.	PACIFIC REEDGRASS		
<i>Claviceps purpurea</i> (Fr.) Tul.	Ergot	Delmoor Bog, Clatsop County	703
<i>Coniothyrium psammae</i> Oud.	Leaf spot	Taft, Waldport	10,817
<i>Darluca filum</i> (Biv.) Cast.	Parasite on crown rust	Coast	10,325; 33
<i>Mycosphaerella tassiana</i> (DeNot.) Johans.	Leaf spot	Taft	10,817
<i>Puccinia coronata</i> Corda	Crown rust	Coast	33
<i>P. pygmaea</i> Eriks.	Rust	Newport	(2, 7)
<i>Septoria arctica</i> Berk. & Curtis	Leaf blotch	Seaside, (Delmoor Bog)	709
<i>CALAMAGROSTIS RUBESCENS</i> Buckl.	PINEGRASS		
<i>Cladosporium herbarum</i> Lk.	Leaf mold	Cornucopia	(Fischer)
<i>Colletotrichum graminicolum</i> (Ces.) Wils.	Anthracnose	Cornucopia	(Fischer)
<i>CENCHRUS PAUCIFLORUS</i> Benth.	FIELD SAND BUR (Burgrass)		
<i>Sorosporium syntherismae</i> (Pk.) Farl.	Smut	Hermiston	Sent to Zundel

CORTADERIA SELLOANA (Schult.) Aschers. & Graebn. Hendersonia culmiseda Sacc.	PAMPASGRASS Leaf spot	Bayview, Lincoln Co.	819
DACTYLIS GLOMERATA L. Claviceps purpurea (Fr.) Tul. Colletotrichum graminicolum (Ces.) Wils. Erysiphe graminis DC.	ORCHARD GRASS Ergot Anthracnose Powdery mildew	N.W. Oregon Greenhouse, OSC, Corvallis Columbia Gorge; Umatilla County S. fork of Santiam Riv.	10,527 690 10,055; 142 679
Fusarium avenaceum (Fr.) Sacc. Mastigosporium rubricosum (Dearn. & Barth.) S. vogue Phylosticta owensii Sprague Phycomycete Indet. e/ Puccinia graminis Pers. Rhynchosporium orthosporum Caldwell Scolecotrichum graminis Fekl. Selenophoma donacis var. stomaticola (Bauml.) Sprague & Johnson Stagonospora arenaria Sacc.	Culm canker Purple leaf spot Leaf rot Red leaf speckle Stem rust Leaf scald Leaf stripe Selenophoma speckle Purple blotch	W. Oregon Waldport Wren W. Oregon Benton County General Troutdale Wallace Bridge	10,011 10,595 86 (2, 7) 10,124 7591 10,379 c/ 742
DANTHONIA CALIFORNICA var. AMERICANA (Scribn.) Hitchc. (D. americana Scribn.) Cladosporium sp. (? parasite) Scolecotrichum graminis Fekl. Selenophoma donacis var. stomaticola (Bauml.) Sprague & Johnson Ustilago residua Clinton	WILD OATGRASS Speckled mold Leaf stripe Oatgrass eye spot Smut	Willamette Valley Corvallis Linn and Benton Cos. Benton, Marion, & Linn Counties	8255 10,193 629 1254
DANTHONIA INTERMEDIA Vasey Pleospora sp.	TIMBER OATGRASS (Mountain oatgrass) Leaf rot	Mt. Hood	10,101
DESCHAMPSIA CAESPITOSA (L.) Beauv. Hendersonia culmicola var. minor Sacc. Hendersonia sp. Phaeoseptoria sp. Scolecotrichum graminis Fekl.	TUFTED HAIRGRASS Leaf spot Leaf rot Leaf rot Leaf stripe	Corvallis Near Granger, near Corvallis Near Granger Linn County	51 809 809 10,673

Septoria poliomela Syd.	Tan leaf spot	Near Granger	809
Stagonospora subseriata Sacc.	Leaf rot	Corvallis	51
Uromyces jacksonii Arth. & Fromme	Jackson's Rust	Lincoln County	(2, 7)
DESCHAMPSIA DANTHONICOIDES (Trin.) Munro	ANNUAL HAIRGRASS		
Scolecotrichum graminis Fekl.	Leaf stripe	Douglas County	10,068
Septoria poliomela Syd.	Tan leaf spot	Benton County	c/ 8491
Tilletia airae Blytt	Smut	-----	(4)
DESCHAMPSIA ELONGATA (Hook.) Munro	SLENDER HAIRGRASS		
Darluca filum (Biv.) Cast.	Parasite on rust	Tillamook County	332
Fusarium avenaceum (Fr.) Sacc.	Parasite on rust	Tillamook County	332
Puccinia graminis Pers.	Stem rust	-----	(2)
Uromyces jacksonii Arth. & Fromme	Jackson's rust	Willamette Valley	(2, 7)
DISTICHLIS STRICTA (Torr.) Rydb.	DESERT SALTGRASS		
Dothidella aristidae (S.) Ell. & Ev.	Char spot	Baker and E. Oregon	g/
Puccinia aristidae Tracy	Rust	E. Oregon	(2, 7)
Ustilago hypodytes (Schl.) Fr.	Sheath smut	S. Oregon	3646
ECHINOCHLOA GRUS-GALLI (L.) Beauv.	BARNYARD GRASS		
(?) Epicoccum sp.	Head mold	Astoria	8374
Ustilago crus-galli Tracy & Earle	Smut	S.E. Oregon	(4) (WAF 212) d/
ELYMUS ARENICOLA Scribn. & Smith	SAND RYEGRASS		
Claviceps purpurea (Fr.) Tul.	Ergot	Biggs	10,508
Puccinia procera Diet. & Holw.	California rust	Umatilla & Sherman Cos.	(7)
P. rubigo-vera (DC.) Wint.	Leaf rust	E. Oregon	(2)
ELYMUS CANADENSIS L.	CANADA WILD-RYE		
Claviceps purpurea (Fr.) Tul.	Ergot	E. Oregon	1804
Puccinia rubigo-vera (DC) Wint.	Leaf rust	Umatilla County	g/
ELYMUS CONDENSATUS Presl	GIANT WILD-RYE		
Claviceps purpurea (Fr.) Tul.	Ergot	Union & Umatilla Cos.	10,694
Erysiphe graminis DC.	Powdery mildew	E. Oregon	(W.A.F. 163) d/

Heterosporium avenae Oud.	Leaf blight	Sherman County	10,230
Puccinia glumarum (Schm.) Eriks. & Henn.	Stripe rust	Moro	(6) Herb. Univ. of Idaho
P. graminis Pers.	Stem rust	Union County	10,690
P. procera Diet. & Holw.	California rust	Fossil	10,123
P. rubigo-vera (DC.) Wint.	Leaf rust	E. Oregon	(2, 7)
Septoria infuscans (Ell. & Ev.) Sprague	Brown leaf blotch	Sherman, Jefferson, Gilliam & Umatilla Cos.	657
Selenophoma donacis (Pass.) Sprague & Johnson	Selenophoma speckle	Wasco County	8451
Ustilago hypodytes (Schl.) Fr.	Stem smut	-----	(4)
ELYMUS GLAUCUS Buckl.	BLUE WILD RYE	Fall Creek	10,236
? Bacterium sp.	Leaf rot	Troutdale	10,945
Cladosporium herbarum (Pers.) Lk.	Leaf mold	Benton County	10,730
Claviceps purpurea (Fr.) Tul.	Ergot	Linn County	175
Darluca filum (Biv.) Cast.	On Puccinia glumarum	Bonneville	8457
Fusarium avenaceum (Fr.) Sacc.	On rust	Wren	88
Phycomycete Indet. e/	Purple leaf speckle	Bonneville	8448
Phyllactinia corylea (Pers.) Karst.	Powdery mildew	Benton County	(2, 6, 7)
Puccinia glumarum (Schum.) Eriks. & Henn.	Stripe rust	Benton & Crook Cos.	(2, 7)
P. graminis Pers.	Stem rust	W. Oregon	(2, 7)
P. rubigo-vera (DC.) Wint.	Leaf rust	Scapoose, Corvallis	141 c/
Rhizoctonia solani Kühn	Leaf rot	Linn County	10,276
Rhynchosporium secalis. (Oud.) J.J. Davis	Leaf scald	Linn and Marion Cos.	10,095
R. orthosporum Caldwell	Leaf scald	Benton County	7528
Scolecotrichum graminis Fekl.	Leaf stripe	W. Oregon	c/ 392
Septoria elymi Ell. & Ev.	Leaf mottle	Crater Lake	10,392
Selenophoma donacis (Pass.) Sprague & Johnson	Selenophoma speckle	Linn County	8487
Stagonospora arenaria Sacc.	Purple leaf blotch	Carson (Baker County)	DC Smith
Tilletia elymi Diet. & Holw.	Smut		
ELYMUS HIRSUTUS Presl	HAIRY SEEDED WILD RYE		
Helminthosporium tritici-repentis Died.	Brown leaf speckle	S. fork Santiam River, Linn County	646
ELYMUS MOLLIS Trin.	AMERICAN DUNEGRASS		
Claviceps purpurea (Fr.) Tul.	Ergot	Warrenton	10,328
Darluca filum (Biv.) Cast.	Parasite on rust	Warrenton	10,329

Puccinia rubigo-vera (DC.) Wint.			
Septoria pacifica Sprague			
Stagonospora subseriata Sacc.			
Tiarospora perforans (Rob.) Höhn.			
ELYMUS TRITICOIDES Buckl.			
Claviceps purpurea (Fr.) Tul.			
Puccinia montanensis Ellis.			
P. rubigo-vera (DC) Wint.			
Septoria elymi-europaei Jaap			
S. infuscans (Ell. & Ev.) Sprague			
Scolecotrichum graminis Fekl.			
ELYMUS VANCOUVERENSIS Vasey			
Puccinia rubigo-vera (DC.) Wint.			
FESTUCA DERTONENSIS (All.) Aschers. & Graben.			
Ophiobolus graminis Sacc.			
Phyllachora sylvatica Sacc. & Speg.			
Septoria tenella Cke. & Ell.			
FESTUCA IDAHOENSIS Elmer			
Puccinia crandallii Pam. & Hume			
FESTUCA ELATIOR L.			
Cladosporium herbarum (Pers.) Lk.			
Claviceps purpurea (Fr.) Tul.			
Puccinia coronata Cda.			
P. graminis Pers.			
P. poae-sudeticae (Westd.) Jørstad			
FESTUCA MAIREI St. Yves			
Cladosporium herbarum (Pers.) Lk.			
FESTUCA MEGALURA Nutt.			
Mycosphaerella sp.			
Ophiobolus graminis Sacc.			
Ovularia pulchella (Ces.) Sacc.			
Leaf rust	Coast		10,329
Black stripe	Lincoln & Tillamook Cos.		10,376
Leaf spot	Manhattan, Lake Lytle		707
Leaf speckle	Tillamook County		10,958
BEARDLESS WILD-RYE (Alkali ryegrass)			
Ergot	La Grande		10,689
Brown stripe rust	Talent		10,635
Leaf rust	Sherman County		(2, 7)
Leaf speckle	Klamath Falls		10,380
Brown leaf blotch	Eastern Oregon		10,380
Leaf stripe	Squaw Butte		837
VANCOUVER DUNEGRASS			
Leaf rust	Astoria		Fischer's coll.
FESCUE			
Take-all	East Corvallis, Linn Co.	g/	
Tar spot	S. fork Alsea River		322
Leaf spot	Roaring River, Linn Co.		186
BLUEGRASS FESCUE (Idaho fescue)			
Rust	Blue Mts.		(2, 7)
MEADOW FESCUE			
Leaf mold	Granger		10,960
Ergot	Astoria	g/	
Crown rust	Lincoln County		(2, 7)
Stem rust	Benton and Lane Cos.		(2, 7)
Rust	W. Oregon		(2, 7)
FESCUE			
Leaf mold	Granger		10,506
FOXTAIL FESCUE			
Blight	Benton County		10,818
Take-all	Linn and Benton Cos.	g/	
Brown leaf spot	Linn, Benton & Lincoln Cos.		10,271

Phyllachora sylvatica Sacc. & Speg.	Tar spot	Linn County	10,491
Puccinia graminis Pers.	Stem rust	Corvallis	(2, 7)
FESTUCA MYUROS L.	RAT TAIL FESCUE		
Corticiium fuciforme (McAlp.) Wak.	Pink patch	Bayview, Lincoln Co.	823
Ophiobolus graminis Sacc.	Take-all	Lincoln County	g/
Ovularia pulchella (Ces.) Sacc.	Brown leaf spot	W. Oregon	10,125
Puccinia graminis Pers.	Stem rust	Willamette Valley	(2)
FESTUCA CCTOFLORA Wal.	SIXWEEKS FESCUE (slender fescue)		
Rhizoctonia solani Kunz.	Brown patch	Bayview, Lincoln Co.	556
Tilletia fusca Ell. & Ev.	Smut	-----	(4)
Ustilago mulfordiana Ell. & Ev.	Smut	-----	(4)
FESTUCA OCCIDENTALIS Hook.	WESTERN FESCUE		
Phyllachora sylvatica Sacc. & Speg.	Tar spot	Mehl Creek, Douglas Co.	479
FESTUCA PACIFICA Piper	PACIFIC FESCUE		
Puccinia graminis Pers.	Stem rust	Corvallis	(2, 7)
P. piperi Ricker	Piper's rust	Eight Dollar Mt. (S. Oreg.)	(2, 7)
Ustilago mulfordiana Ell. & Ev.	Smut	Columbia R.	1371
FESTUCA RUBRA L.	RED FESCUE		
Ascochyta graminicola Sacc. var. brachypodii Trail	Leaf spot	Garibaldi	8377
Cercospora subulata Sprague	Eye spot	Halsey	10,989
Darluca filum (Biv.) Cast.	on Rust	Garibaldi, Lake Lytle	510; 748
Hendersonia sp.	Secondary leaf rot	Garibaldi	749
Hendersonia culmicola var. minor Sacc.	Leaf mold	Near Newport	35
Mycosphaerella tulasnei Jacz.	Leaf mold	Corvallis	H.A. Rampton
Phaeoseptoria sp.	Secondary leaf rot	Garibaldi; King's Valley	8376
Phyllachora sylvatica Sacc. & Speg.	Tar spot	Newport	10,174
Puccinia crandallii Pam. & Hume	Rust	Union, Benton, Tillamook and Lincoln Cos.	748
Septoria tenella Cke. & Ell.	Tan leaf spot	Corvallis	(2, 7) H.A. Rampton

FESTUCA RUBRA var. COMMUTATA Gaud.			
Cladosporium herbarum Lk.			
Corticium fuciforme (McAlp.) Wak.			
C. solani (Prill. & Del.) Bourd. & Galz.			
(Rhizoctonia solani Kühn)			
Fusarium sp.			
F. nivale (Fr.) Sor.			
Hendersonia sp.			
Phycomycete e/			
Septoria tenella Cke. & Ell.			
FESTUCA SCARBRELLA Torr.			
Puccinia crandallii Pam. & Hume			
FESTUCA SUBULATA Trin.			
Phyllosticta sp.			
Puccinia coronata Corda			
P. crandallii Pam. & Hume			
FLUMINEA FESTUCACEA (Willd.) Hitchc.			
Ustilago arthuri Hume			
GASTRIDIVM VENTRICOSUM (Gouan) Schinz & Thell.			
Helminthosporium sp.			
GLYCERIA ELATA (Nash) Hitchc.			
Puccinia coronata Cda.			
Septoria nodorum Berk.			
Ustilago longissima (Sow.) Tul.			
GLYCERIA FLUITANS (L.) R. Br.			
Scolecotrichum graminis Fckl.			
CHEWINGS FESCUE			
Secondary seed mold	Benton County	692	
Pink patch	Astoria, Portland, Corvallis	687	
Brown patch	Portland	E. 511	
Scab	Astoria	8315	
Snow mold	Portland	E. 410	
Leaf rot	Sulfur Springs Road, Benton County	810	
Purple leaf speckle	Corvallis	59	
Tan leaf spot	W. Oregon	10,582	
ROUGH FESCUE (Buffalo bunchgrass)			
Rust	E. Central Oregon	(7) 1424	
BEARDED FESCUE (Nodding fescue)			
Leaf spot	Silver Creek Falls	270	
Crown rust	Coast Range	(7)	
Rust	Ashland, Silver Creek Falls	(2, 7)	
FLUMINEA GRASS			
Smut	-----	(4)	
NIT-GRASS			
White leaf spot	S. Willamette Valley	g/	
TALL MANNAGRASS			
Crown rust	Clatskanie	(2, 7)	
Leaf spot	Cornucopia, Elgin	(Fischer)	
Smut	Clatskanie	1810	
MANNAGRASS			
Leaf stripe	Benton County	10,152	

GLYCERIA GRANDIS S. Wats.	AMERICAN MANNAGRASS	Portland	10,070
Scolecotrichum graminis Fekl.	Leaf stripe	-----	(15)
Ustilago longissima (Sow.) Tul.	Smut		
GLYCERIA PAUCIFLORA Presl	WEAK MANNAGRASS	N.W. Oreg.	(2, 7)
Puccinia coronata Corda	Crown rust		
GLYCERIA SEPTENTRIONALIS Hitchc.	EASTERN MANNAGRASS	Tillamook	10,076
Scolecotrichum graminis Fekl.	Leaf stripe		
GLYCERIA STRIATA (Lam.) Hitchc.	FOWL MANNAGRASS		
(Panicularia nervata Kuntze)			
Scolecotrichum graminis Fekl.	Leaf stripe	Umpqua Valley	10,071
Septoria nodorum Berk.	Leaf spot	Hoover	10,177
HESPEROCHLOA KINGII (S.Wats.) Rydb.	SPIKE FESCUE		
(FESTUCA KINGII Cassidy, F. confinis Vasey)	Rust	S.E. Oregon	(7)
Puccinia crandallii Pam. & Hume			
HIEROCHLOE OCCIDENTALIS Buckl.	GIANT VANILLAGRASS	Benton County	(7) 10,086
(Torresia macrophylla Hitchc.)	(California sweetgrass)		
Puccinia graminis Pers.	Stem rust		
HOLCUS LANATUS L.	VELVET GRASS	W. Oregon	10,202
Cercospora holci Sprague	Tan leaf spot	Coast Region	1727
Claviceps purpurea (Fr.) Tul.	Ergot	Waldport and Hood River	10,503
Darluca filum (Biv.) Cast.	Parasite on rust	W. Oregon	1229
Dilophospora alopecuri (Fr.) Fr.	Twist disease	Lincoln County	10,120
Helminthosporium triseptatum Drechs.	Leaf mold	Alsea Mts.	10,012
Ophiobolus graminis Sacc.	Take-all	Alsea, Tangent Coast	10,666
Ovularia pulchella (Ces.) Sacc.	Red leaf spot	(2, 7)	(2, 7)
Puccinia coronata Corda	Crown rust	W. Oreg.	(2, 7)
P. rubigo-vera (DC.) Wint.	Leaf rust	Lincoln Co.	10,101
Rhizoctonia solani Kühn	White foot rot	N.W. Oreg.	10,108
Septoria tritici Rob. f. holci Sprague	Leaf blotch	-----	1378
Tilletia holci (West.) Rostr.	Smut	Willamette Valley	10,670
Ustilago striaeformis (Westd.) Niesl	Stripe smut		

HORDEUM DISTICHON L.			
Erysiphe graminis DC.		W. Oreg.	670
Fusarium culmorum (W.G.Sm.) Sacc.		W. Oreg.	c/
Puccinia anomala Rostr.		Lincoln & Marion Cos.	7540
P. graminis Pers.		Corvallis	(2, 7)
Rhizoctonia solani Kühn		Alsea Valley	c/
Rhynchosporium secalis (Oud.) J.J.Davis		Linn County	10,273
Ustilago hordei Lagerh.		Near Dallas, St.	
		Helens	10,756
HORDEUM GUSSONIANUM Parl.			
Puccinia glumarum (Schm.) Eriks. & Henn.		Corvallis	(2, 7)
Rhizoctonia solani Kühn		Conroy, near Cor-	
		vallis	22
HORDEUM JUBATUM L.			
Puccinia glumarum (Schm.) Eriks. & Henn.			(6)10,074
Rhynchosporium secalis (Oud.) J.J.Davis		Corvallis	7559
Uromyces jacksonii Arth. & Fromme		Umatilla County	(2, 7)
Ustilago bullata Berk.		Baker	Fischer's coll.
HORDEUM MURINUM L.			
Puccinia glumarum (Schm.) Eriks. & Henn.		Corvallis	Herb. Univ.
P. hordei Fekl.		W. Oreg.	of Idaho
Rhynchosporium secalis (Oud.) J.J.Davis		Corvallis	(2)
Ustilago bullata Berk.		Wheatland	7534
			10,050
HORDEUM NODOSUM L.			
Erysiphe graminis DC.		Andrews	(W.A.F.165)d/
Puccinia glumarum (Schm.) Eriks. & Henn.		Medford	(6) Herb., Univ.
P. graminis Pers.		Benton & Union Cos.	of Idaho
P. hordei Fekl.		Coast	10,732
Scolecotrichum graminis Fekl.		Benton & Union Cos.	(2)
Urocystis agropyri (Preuss) Schroet.		Linn County	10,676
Uromyces jacksonii Arth. & Fromme		Portland	10,749
Ustilago bullata Berk.		Central Point &	(2, 7)
		Linn County	10,725
TWO ROW BARLEY			
Powdery mildew			
Root rot			
Leaf rust			
Stem rust			
White foot rot			
Leaf scald			
Covered smut			
MEDITERRANEAN BARLEY			
Stripe rust			
Leaf rot			
FOXTAIL BARLEY (Squirrel tail)			
Stripe rust			
Leaf scald			
Jackson's rust			
Smut			
WALL BARLEY (Mouse barley)			
Stripe rust			
Rust			
Leaf scald			
Smut			
MEADOW BARLEY			
Powdery mildew			
Stripe rust			
Stem rust			
Rust			
Leaf stripe			
Leaf smut			
Jackson's rust			
Smut			

HORDEUM NODCUM var. *BOREALE* (Scribn. & Smith) Hitchc.
Scolecotrichum graminis Fekl.

HORDEUM VULGARE L.

Bacterium translucens Jones, Johnson, & Reddy [Phytonomas t. Bergey et al.]
Cercospora herpotrichioides Fron
Claviceps purpurea (Fr.) Tul.
Erysiphe graminis DC.
Fusarium culmorum (W.G.Sm.) Sacc.
Helminthosporium gramineum Rabh.
H. sativum P. K. & B.
H. teres Sacc.
Mycosphaerella tulasnei Jacz.
Ophiobolus graminis Sacc.
Puccinia anomala Rostr.
P. glumarum (Schm.) Eriks. & Henn.
P. graminis Pers.
Rhizoctonia solani Kühn

Rhynchosporium secalis (Oud.) J.J.Davis
Septoria passerinii Sacc.
Ustilago hordei Lagerh.
U. ruda Rostr.
Wojnowicia graminis (McAlp.) Sacc. & D. Sacc.

KOELERIA CRISTATA (L.) Pers.

Puccinia koeleriae Arth.
P. monoica (Pk.) Arth.
Septoria calamagrostidis (Lib.) Sacc.
 var. *koeleriae* (Cocc. & Mcr.) Spr.

LOLIUM MARSCHALLII Stev.

Cynalaria pulchella (Ces.) Sacc.

NORTHERN MEADOW BARLEY

Leaf stripe

Ukiah

10,072

BARLEY

Bacterial blight
Cercospora foot rot
 Ergot
 Powdery mildew
 Root rot
 Stripe
 Root rot
 Net blotch
 Leaf mold
 Take-all
 Leaf rust
 Stripe rust
 Stem rust
 White foot rot

Corvallis
 Wasco & Union Cos.
 Corvallis
 Willamette Valley
 W. Oreg.
 Corvallis
 Coast & E.Oreg.
 Corvallis
 Corvallis, Eugene
 W. Oreg.
 Willamette Valley
 Moro
 Corvallis
 Lincoln, Benton, &
 Lane Counties
 General
 Corvallis
 General
 Corvallis, Pendleton

(1)
 (14) c/
 1927
 (1); 734
 (1) c/ g/
 4822
 c/ 10,111
 7423
 384; 489
 10,298
 (2)
 (2, 6, 7)
 (2, 7)
 (10) c/ g/ (14)
 10,020
 10,042
 (1) 10,525
 7071
 7070

Secondary root rot

Wasco & Union Cos. (11) c/

JUNEGRASS

Rust
 Rust

Union County
 Grant County
 Grant, Sherman,
 Benton & Union Cos.

(2, 7)
 (7) J.R.Weir 237

Leaf spot

10,363

RYEGRASS

Gray leaf spot

Benton County

10,241

LOLIUM MULTIFLORUM Lam. (L. italicum A. Br.)	ITALIAN RYEGRASS	
Ascochyta lolii (West.) Spr. & John.	Brown leaf spot	W. Oreg.
Bacterium coronafaciens atropurpureum		
Reddy & Godkin [Phytomonas]	Chocolate spot	
Claviceps purpurea (Fr.) Tul.	Ergot	W. Oreg.
Darlucania filum (Biv.) Cast.	On Puccinia coronata	W. Oreg.
Fusarium culmorum (W.G.Sm.) Sacc.	Root rot	Corvallis
Phytophthora sp.	Leaf rot	Willamette Valley
Puccinia coronata Corda	Crown rust	Corvallis
P. graminis Pers.	Stem rust	W. Oreg.
Rhynchosporium orthosporum Caldwell	Leaf scald	Tulatin
		Corvallis & Ft.
		Yamhill
R. secalis (Oud.) J.J. Davis	Leaf scald	Corvallis
Scolecotrichum graminis Fckl.	Leaf stripe	Corvallis
Septoria tritici Rob. var. lolii (Cast.)		
Sprague & Johnson	Leaf blotch	Benton County
Ustilago sp.	Head smut	W. Oreg.
		c/ 452
		5207

LOLIUM PERENNE L.	PERENNIAL RYEGRASS (English ryegrass)	
Ascochyta graminicola Sacc. var.		
brachypodii Trail		
A. lolii (West.) Sprague & Johnson	White leaf spot	10,239
Bacterium coronafaciens atropurpureum	Brown leaf spot	Multnomah County
Reddy & Godkin [Phytomonas]		W. Oregon
Claviceps purpurea (Fr.) Tul.	Chocolate spot	10,219
Colletotrichum graminicolum (Ces.) Wils.	Ergot	Astoria, Corvallis
Helminthosporium siccans Drechs.	Anthracnose	N.W. Oreg.
Ovularia lolii Volkart	Brown leaf scorch	Scottsburg
Puccinia coronata Cda.	Eye spot	Corvallis
Rhynchosporium orthosporum Caldwell	Crown rust	Corvallis
Scolecotrichum graminis Fckl.	Leaf scald	N.W. Oreg.
Septoria tritici Rob. var. lolii (Cast.)	Leaf stripe	Benton County
Sprague and Johnson		Corvallis
Ustilago striaeformis (Westd.) Niessl	Leaf blotch	10,135
	Stripe smut	g/
		(2, 7)
		10,240
		10,040
		c/ 449
		7181

LOLIUM SUBULATUM Vis.	NARROW SPIKED RYEGRASS	
Puccinia graminis Pers.	Stem rust	Corvallis
		3277

LOLIUM TEMULENTUM L. Bacterium coronafaciens atropurpureum Reddy & Godkin [Phytomonas]		DARNEL		
MELICA BULBOSA Geyer (M. bella Piper). Scilecotrichum graminis Fekl.			Chocolate spot	Wallace Bridge 10,728
MELICA SUBULATA (Griseb.) Scribn. Cercospora subulata Spr.			Leaf stripe	Wallowa Mts. 10,075
MUHLENBERGIA ANDINA Nutt. Hitchc. (M. comata Thurb.) Uromyces minimus J.J. Davis		ALASKA ONIONGRASS	Leaf blast	Ochoco Nat'l Forest 10,669
MUHLENBERGIA ASPERIFOLIA (Nees & Mey.) Parodi (Sporobolus asperifolius Nees & Mey.) Phyllachora sp. Tilletia asperifolia Ell. & Ev.		FOXTAIL MUHLY (Hairy Muhlenbergia) Rust		Wallowa County (2, 7)
MUHLENBERGIA RACEMOSA (Michx.) B.S.P. Uromyces minimus J.J. Davis		SCRATCHGRASS		
ORYZOPSIS HYMENOIDES (Roem. & Schult.) Ricker Puccinia scaber (Ell. & Ev.) Barth. Selenophoma donacis var. stomaticola (Bauml.) Sprague and Johnson Ustilago hypodytes (Schl.) Fr.		Tar spot Smut MARSH MUHLY (Satin grass) Rust	Baker ----- Wallowa County	Fischer's coll. (4) (2, 7)
PANICUM MILIACEUM L. Bacterium panici Elliott [Phytomonas p. Bergey et al.] Sphacelotheca panici-miliacei (Pers.) Bubak		INDIAN RICE GRASS (Indian millet) Rust Selenophoma speckle Stem smut BROOMCORN MILLET (Proso or hog millet)	Celilo Gilliam County Wasco County	8441 803 (Dana) 7617
PANICUM PACIFICUM Hitchc. & Chase Cercospora fusimaculans Atk.		Leaf blight Smut PACIFIC PANICUM Leaf blotch	Seaside Corvallis Mary's Peak	10,332 1806 9898 (Zeller)

PHALARIS ARUNDINACEA L.			
Puccinia sessilis Schneid.		Malheur County	(2, 7)
Phaeoseptoria sp.		Corvallis	17
Septoria bromi Sacc. var. phalaricola Sprague		Astoria	10,370
PHALARIS TUBEROSA var. STENOPTERA (Hack.) Hitchc.			
Helminthosporium sativum P.K. & B.		Corvallis	64
Mycosphaerella tulasnei Jacz.		Corvallis	396
Puccinia sessilis Schneid.		Corvallis	10,106
Rhizoctonia solani Kühn		Corvallis	64
Phaeoseptoria sp.		Corvallis	396
PHLEUM PRATENSE L.			
Claviceps purpurea (Fr.) Tul.		Coast	1731
Heterosporium phlei Gregory		Astoria, Corvallis	10,744
Puccinia graminis phlei-pratensis (Eriks. & Henn.) Stak. & Piem.		General	(2, 7)
Scolecotrichum graminis Fckl.		General	7543
Ustilago striaeformis (Westd.) Niessl		General	1694
PHRAGMITES COMMUNIS Trin.			
Puccinia phragmites (Schum.) Körn.		Young's Bay, Astoria	10,683
Scolecotrichum maculicola Ell. & Kell.		Young's Bay, Astoria	10,683
PLEUROPOGON REFRACTUS (A. Gray) Benth.			
Ascochyta graminicola Sacc. var. brachypodii Trail		Bergsvik Creek, Clatsop County	197.
POA AMPLA Merr.			
Puccinia poae-sudeticae (West.) Jørstad		Hood River	(2)
P. rubigo-vera (DC) Wint.		Hood River	(2, 7)
Selenophoma donacis var. stomaticola (Bauml.) Sprague & Johnson		The Dalles	115
REED CANARYGRASS			
Rust			
Leaf rot			
Leaf spot			
HARDING GRASS			
Leaf mold			
Leaf mold			
Rust			
Leaf rot			
Leaf rot			
TIMOTHY			
Ergot			
Purple leaf spot			
Stem rust			
Leaf stripe			
Stripe smut			
COMMON REED			
Rust			
Eye spot			
NOODLING SEMAPHORE GRASS			
Leaf spot			
BIG BLUEGRASS			
Bluegrass Rust			
Leaf rust			
Selenophoma speckle			

POA ANNUA L.	ANNUAL BLUEGRASS		
Darluca filum (Biv.) Cast.	On Puccinia poae-sudeticae	Corvallis	10,021
Fusarium culmorum (W.G. Sm.) Sacc.	Head mold	Warrenton	708
Entyloma irregulare Johann.	Black spot leaf smut	W. Oregon	10,238
Phycomycete Indet. e/	Purple speckle	Alderwood St. Pk.	352
Puccinia poae-sudeticae (West.) Jørstad	Bluegrass rust	W. Oregon	(2)
Septoria macropoda Pass.	Leaf spot	Corvallis	c/ 708
POA BOLANDERI Vasey	BOLANDER BLUEGRASS		
Puccinia poae-sudeticae (West.) Jørstad	Bluegrass rust	Wallowa Mts.	10,077
POA CANBYI (Scribn.) Piper	CANBY BLUEGRASS		
Erysiphe graminis DC	Powdery mildew	Union County	10,078
POA COMPRESSA L.	CANADA BLUEGRASS		
Cladosporium herbarum (Pers.) Lk.	Leaf mold	Alsea	10,755
Darluca filum (Biv.) Cast.	On Puccinia poae-sudeticae	Corvallis	10,007
Entyloma crastophilum Sacc.	Black spot leaf smut	Bayview	821
Helminthosporium vagans Drechs.	Leaf spot	Benton County	10,264
Puccinia poae-sudeticae (West.) Jørstad	Bluegrass rust	Corvallis	10,007
Scolecotrichum graminis Fekl.	Leaf stripe	General	10,007
Septoria macropoda Pass. var. septulata (Gz. Frag.) Sprague	Leaf blotch	General	10,946
S. oudemansii Sacc.	Tan leaf spot	Corvallis	385
POA GRACILLIMA Vasey (P. multnomae Piper)	SLENDER BLUEGRASS (Pacific bluegrass)		
Ascochyta graminicola Sacc. var. holci Sacc.	Leaf spot	Horse Tail Falls (Multnomah Co.)	10,280
Erysiphe graminis DC.	Powdery mildew	Columbia Gorge	g/
Hendersonia culmicola var. intermedia Sacc.	Leaf spot	7 mi. W. of The Dalles	116
Puccinia poae-sudeticae (West.) Jørstad	Bluegrass rust	Columbia Gorge	10,283
POA HOWELLII Vasey and Scribn.	HOWELL BLUEGRASS		
Septoria macropoda Pass.	Leaf spot	Lower Columbia Riv.	10,080

POA JUNCIFOLIA Scribn. (P. brachyglossa Piper)	ALKALI BLUEGRASS		
Erysiphe graminis DC.	Powdery mildew	Wasco County	10,229
Fusarium sp.	Leaf rot, crown rot	Near Celilo Falls	145
Entyloma irregulare Johann.	Black spot leaf smut	Wasco County	10,228
Mycosphaerella tassiana (DeNot.) Johans.	Leaf spot	Rufus (near)	10,941
Phycomycete Indet. e/	Leaf spot	7 mi. W. of The Dalles	130
Puccinia poae-sudeticae (West.) Jørstad	Bluegrass rust	Wasco County	10,244
Selenophoma donacis var. stomaticola (Bauml.) Sprague & Johnson	Selenophoma speckle	Friend, Rufus	10,760
POA KELLOGGII Vasey	KELLOGG BLUEGRASS		
Septoria macropoda Pass.	Leaf spot	Jackson County	10,758
POA LEPTOCOMA Trin.	BOG BLUEGRASS		
Puccinia poae-sudeticae (West.) Jørstad	Bluegrass rust	Whitman Nat'l Forest	10,079
POA MACRANTHA Vasey	SEASHORE BLUEGRASS		
Puccinia graminis Pers.	Stem rust	Warrenton	338
P. poae-sudeticae (West.) Jørstad	Bluegrass rust	Newport	(2, 7)
POA NERVOSA (Hook.) Vasey	WHEELER BLUEGRASS		
Scolecotrichum graminis Fekl.	Leaf stripe	Friend	874
POA NEVADENSIS Vasey	NEVADA BLUEGRASS		
Claviceps purpurea (Fr.) Tul.	Ergot	Seneca; Hart Mts.	10,696
Septoria macropoda Pass. var. grandis Sprague	Leaf spot	Blue Mts.	10,355
POA PALUSTRIS L.	FOWL BLUEGRASS		
Erysiphe graminis DC.	Powdery mildew	Klamath County	10,102
Puccinia poae-sudeticae (West.) Jørstad	Bluegrass rust	Klamath County	(2)
POA PRATENSIS L.	KENTUCKY BLUEGRASS		
Cercospora sp. i/	Brown eye leaf spot	Near Forest Grove; East Corvallis	453,789

i/ This apparently undescribed species will be described in a subsequent publication. It is apparently not rare in Oregon but obscured by the more prevalent Septoria and Helminthosporium spots.

Corticium vagum Berk. & Curt. [C. solani]	Brown patch	W. Oregon	10,965
Darlucal filum (Biv.) Cast.	On rust	W. Oregon	10,237
Entyloma crastophilum Sacc.	Black spot leaf smut	Lincoln & Benton Co.	10,201
Erysiphe graminis DC.	Powdery mildew	Heppner	10,053
Fusarium (?) nivale (Fr.) Sor.	Snow mold	NW. Oregon	c/, g/
Gloeosporium graminum Rostr.	anthracnose	S. fork Alsea Riv. & Irish Bend (Benton Co.)	10,665
Helminthosporium vagans Drechs.	Leaf spot	Corvallis	10,121
Phycomycete Indet. e/	Red leaf speckle	Benton & Linn Cos.	789
Puccinia poae-sudeticae (West.) Jørestad	Bluegrass rust	General	(2, 7)
Rhizoctonia solani Kühn	Leaf rot	Corvallis	c/
Septoria macropoda Pass. var. septugeta (Gz. Frag.) Sprague	Leaf spot	W. Oregon	c/ 8301
S. nodorum Berk.	Glume blotch & leaf spot	W. Oregon	c/
S. oudemansii Sacc.	Leaf spot	Corvallis, Lobster Valley	10,237
POA SCABRELLA (Thurb.) Benth.	DESERT BLUEGRASS		
Pleospora karstenii Berl. & Vogl.	Leaf & culm mold	Tygh Ridge	10,759
Uromyces dactylidis Oth.	Tar rust	Ochoco Nat'l Forest	10,081
POA SECUNDA Presl (P. sandbergii Vasey)	SANDEBERG BLUEGRASS (Desert bluegrass)		
Erysiphe graminis DC.	Powdery mildew	E. Oregon	10,226
Septoria macropoda Pass. var. grandis Sprague	Leaf spot	General in E. Oreg.	c/ 10,343
POA TRIVIALIS L.	ROUGH BLUEGRASS		
Helminthosporium poae Baudys	Leaf spot	Astoria	10,330
Puccinia poae-sudeticae (West.) Jørestad	Bluegrass rust	Astoria	10,330
Rhizoctonia solani Kühn	Leaf rot	Corvallis	c/
POA VASEYCHLOA Scribn.	VASEY'S BLUEGRASS		
Cladosporium herbarum Lk.	Secondary leaf rot	Mayer Park	872
Erysiphe graminis DC.	Powdery mildew	Wasco & Sherman Cos.	114
Phytophthora sp.	Greasy brown spot	Mayer Park	872
POLYPOGON MONSPIELIENSIS (L.) Desf.	RABBITFOOT GRASS		
Erysiphe graminis DC.	Powdery mildew	Biggs	8439

PUCCINELLIA DISTANS (L.) Parl. Cladosporium herbarum Lk.					
PUCCINELLIA NUTKAENSIS (Presl) Fern. & Weath. Puccinia (?) rubigo-vera (DC.) Wint.					
PUCCINELLIA NUTTALLIANA (Schult.) Hitchc. Puccinia rubigo-vera (DC.) Wint.					
SCRIBNERIA BOLANDERI (Thurb.) Hack. Uromyces jacksonii Arth. & Fromme					
SECALE CEREALE L. Cercospora herpotrichioides Fron. Claviceps purpurea (Fr.) Tul. Erysiphe graminis DC. Fusarium culmorum (Sm.) Sacc. F. scirpi var. acuminatum (Ell. & Ev.) Wr. Helminthosporium sativum P.K. & B. Puccinia glumarum (Schm.) Eriks. & Henn.					
P. graminis Pers. P. rubigo-vera secalis (Eriks.) Carl.					
Rhynchosporium secalis (Oud.) J.J. Davis Scolecotrichum graminis Fckl. Tilletia sp. Wojnowicia graminis (McAlp.) Sacc.					
SETARIA ITALICA (L.) Beauv. Cladosporium herbarum Lk. Epicoccum purpurascens Ehrbg.					
SETARIA VIRIDIS (L.) Beauv. Bacterium holci Kendrick [Phytomonas h. Bergey et al.]					
EURASIAN ALKALI GRASS Leaf mold	Klamath Falls	807			
PACIFIC ALKALI GRASS Leaf rust	Klamath Falls	10,082			
NUTTALL ALKALI GRASS (Zawadke alkali grass) Leaf rust	Union & Jackson Cos.	(7)			
SCRIBNER GRASS Jackson's rust	-----	(2)			
RYE Cercospora foot rot Ergot Powdery mildew Root rot Secondary root rot Dry land root rot Stripe rust	Wasco & Union Cos. Scattered W. Oregon Wasco & Union Cos. Sherman County Moro	(14) 5223 5218 (1) (8) c/ c/ (6) Herb. Univ. of Idaho (1)			
Stem rust Leaf rust	----- Marion, Lincoln, & Linn Counties	(2)			
Leaf scald Leaf stripe Stinking smut Secondary root rot	Corvallis Lincoln County Central Morrow Co. E. Oreg. prairies	259 257 Sent to W.S.C. (11) c/			
FOXTAIL MILLET Leaf mold Leaf mold	Salem Corvallis	773 10,497			
GREEN BRISTLEGRASS Leaf blight	Seaside	10,488			

SITANION HANSENI (Scribn.) J.G. Smith Ustilago sitanii Fisch.	HANSEN SQUIRRELTAIL Loose smut	Klamath Falls (D.C. Smith)	13,165
SITANION HYSTRIX (Nutt.) J.G. Smith (S. californicum J. G. Smith) Aschochyta graminicola Sacc. var. holci Sacc. Puccinia glumarum (Schm.) Eriks. & Henn. P. pattersoniana Arth. P. rubigo-vera (DC.) Wint. Scolecotrichum graminis Fekl. Selenothema denacis var. stomaticola (Bauml.) Sprague & Johnson S. passerinii Sacc.	SQUIRRELTAIL (Bottle brush squirreltail) Leaf spot Stripe rust Rust Leaf rust Leaf stripe Selenothema spot Leaf & Sheath spot	Mt. Hood Redmond N. Powder (Smith) E. Oregon Echo Mt. Hood (Adlard) Mt. Hood Nat'l Forest	10,770 (2, 7) 350 (2, 7) 10,083 10,770 c/ 10,382
SITANION JUBATUM J. G. Smith Puccinia glumarum (Schw.) Eriks. & Henn. P. rubigo-vera (DC.) Wint. Scolecotrichum graminis Fekl.	BIG SQUIRRELTAIL Stripe rust Leaf rust Leaf stripe	Redmond S. Oregon Wasco County	(2, 7) (2, 7) 10,163
SORGHUM VULGARE Pers. Sorosporium reilianum (Kühn) McAlp. Sphacelotheca sorghi (Lk.) Clinton	SORGHUM Head smut Kernel smut	Ashland -----	1201 (15)
SORGHUM VULGARE var. SUDANENSE (Piper) Hitchc. Sphacelotheca sorghi (Lk.) Clinton	SUDAN GRASS Kernel smut	S. Oreg., Eugene Harney County	11 (2)
SPOROBOLUS AIROIDES Torr. Puccinia luxuriosa Syd.	ALKALI SACATON (Hairgrass dropseed) Rust	Harney County	(2)
STIPA COLUMBIANA var. NELSONI (Scribn.) Hitchc. Septoria stipina Diod.	COLUMBIA NEEDLEGRASS Leaf spot	Long Creek, Blue Mts.	10,761
STIPA COMATA Trin. & Rupr. Puccinia stipae Arth. Scolecotrichum graminis Fekl. Ustilago hypodytes (Schl.) Fr.	NEEDLE AND THREAD Rust Leaf stripe Stem smut	Umatilla & Sherman Counties Crook County Umatilla County	(2, 7) 10,084 1368

STIPA OCCIDENTALIS Thurb. Ustilago hypodytes (Schl.) Fr.	WESTERN NEEDLEGRASS Stem smut	Steins Mts. (4); (W.A.F. 236) d/
TRISETUM CANESCENS Buckl. Puccinia coronata Corda P. graminis Pers. Septoria calamagrostidis (Lib.) Sacc.	TALL DOWNY TRISETUM Crown rust Stem rust Leaf spot	Silver Creek Falls 271 Astoria 10,294 Cascade Mts. & Coast Range 8498
TRISETUM CERNUUM Trin. Colletotrichum graminicolum (Ces.) Wils. Mastigosporem rubricosum (Dearn. & Barth.) Sprague Puccinia coronata Corda Septoria calamagrostidis (Lib.) Sacc.	NODDING TRISETUM Anthracnose Red eye spot Crown rust Leaf spot	Bergsvik Creek 348 Clatsop & Lincoln Counties 417 Lincoln, Marion and Clatsop Cos. 7536 Bergsvik Creek 198; 417
TRITICUM AESTIVUM L. (T. vulgare Vill.) Cercospora herpotrichioides Fr. Claviceps purpurea (Fr.) Tul. Erysiphe graminis DC. Fusarium culmorum (W.G. Sm.) Sacc. F. equiseti (Corda) Sacc. F. oxysporum Schl. F. scirpi Lamb. & Fautr. var. acuminatum (Ell. & Ev.) Wr. Helminthosporium sativum P.K. & B. Mycosphaerella tulasnei Jacz. Ophiobolus graminis Sacc. Penicillium sp. Puccinia glumarum (Schm.) Eriks. & Henn. P. graminis Pers.	WHEAT Cercospora foot rot Ergot Powdery mildew Root rot Secondary root rot Secondary root rot Secondary root rot Root rot and dry land root rot Sooty mold Take-all (?) Seedling injury Stripe rust Stem rust	(14) c/ 1209 5066 (8) c/ c/ c/ c/ Coast & E. Oreg. Enterprise W. Oreg., Hood Riv. and Union Counties Forest Grove Scattered W. Oreg. c/ (1) 10,027 25,987 (2, 6, 7) (2, 7)

<i>P. rubigo-vera tritici</i> (Eriks. & Henn.) Carl.	Leaf rust	General	(2, 7)
<i>Rhizoctonia solani</i> Kühn	White foot rot	Lincoln, Benton, & Lane Counties	(10) c/10,028
<i>Septoria tritici</i> Rob.	Leaf blotch	General	10,005
<i>Tilletia foetida</i> (Wal.) Liro	Stinking smut	General	(1)
<i>T. caries</i> (DC.) Tul.	Stinking smut	General	(1)
<i>Ustilago tritici</i> Rostr.	Loose smut	Scattered	5096
<i>Wojnowicia graminis</i> (McAlp.) Sacc.	Secondary root rot	Wasco & Union Cos.	(11) c/
TRITICUM DICOCUM Schrank			
<i>Cercospora herpotrichioides</i> Fron	Cercospora foot rot	Wasco County	(14) c/
<i>Fusarium culmorum</i> (W.G. Sm.) Sacc.	Root rot	Lincoln County	c/
<i>Puccinia glumarum</i> (Schm.) Eriks. & Henn.	Stripe rust	Moro	(2, 7)
<i>P. rubigo-vera tritici</i> (Eriks. & Henn.) Carl.	Leaf rust	Wasco County	e/
<i>Septoria tritici</i> Rob.	Leaf blotch	Granger	648
<i>Wojnowicia graminis</i> (McAlp.) Sacc. & D. Sacc.	Secondary root rot	Wasco & Union Cos.	(11) g/
TRITICUM DICOCUM Schrank. var FARRUM Bayle			
<i>Septoria tritici</i> Rob.	Leaf blotch	Benton County	10,726
TRITICUM DURUM Desf.			
<i>Cercospora herpotrichioides</i> Fron	Cercospora foot rot	Union & Wasco Cos.	c/, g/
<i>Fusarium culmorum</i> (W.G. Sm.) Sacc.	Root rot	Union County	c/, g/
<i>Wojnowicia graminis</i> (McAlp.) Sacc. & D. Sacc.	Secondary root rot	Union & Wasco Cos.	c/, g/
TRITICUM MONOCOCUM L.			
<i>Cercospora herpotrichioides</i> Fron	Cercospora foot rot	Union & Wasco Cos.	c/ 10,017
<i>Wojnowicia graminis</i> (McAlp.) Sacc. & D. Sacc.	Secondary root rot	Union County	c/, g/
TRITICUM POLONICUM L.			
<i>Mycosphaerella tulasnei</i> Jacz.	Leaf rot and blotch	Granger	10,679
TRITICUM SPELTA L.			
<i>Cercospora herpotrichioides</i> Fron	Cercospora foot rot	Union County	c/, g/
<i>Fusarium culmorum</i> (W.G. Sm.) Sacc.	Root rot	Lincoln County	c/, g/
<i>Helminthosporium sativum</i> P.K. & B.	Foot rot	Lincoln County	c/
<i>Puccinia graminis</i> Pers.	Stem rust	Lincoln County	7602

P. rubigo-vera tritici (Eriks. & Henn.) Carl.	Leaf rust	Union, Wasco, and Lincoln Counties	7611
Rhizoctonia solani Kühn	White root rot	Alsea Riv. Valley	c/ 10,400
Septoria nodorum Berk.	Leaf spot	Lincoln County	10,365
S. tritici Rob.	Leaf blotch	Lincoln County	f/ c/ g/
Ustilago tritici Rostr.	Loose smut	Lincoln County	
Wojnowicia graminis (McAlp.) Sacc. & D. Sacc.	Secondary root rot	Union County	
TRITICUM TURGIDUM L.	POLLARD WHEAT		
Septoria tritici Rob.	Leaf blotch	Granger	10,680
ZEA MAYS L.	MAIZE (Indian corn)		
Epicoccum neglectum Desm. (? Saprophyte)	Leaf rot	Benton & Lincoln Cos.	10,008
Fusarium culmorum (W. G. Sm.) Sacc.	Root rot	W. Oregon	(8)
Helminthosporium turcicum Pass.	Leaf blight	Lincoln County	g/ g/
Physoderma zeae-maydis Shaw	Brown spot	Benton County	(3)
Sorosporium reilianum (Kühn) McAlp.	Head smut	Willamette Valley	Owens and Zundel
Ustilago zeae-mays (DC.) Wint.	Smut	E. & S. Creg.	

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