

POTATO CROP IS REDUCED

RHIZOCTONIA FOUND IN MANY FIELDS.

Loss This Year Will Be Exceptional—By Heavy—Late Cold Spring Held as Cause for Smaller Yield.

By H. E. Koons (County Agriculturist.)

The past two weeks the potato crop in this county has suffered greatly, due to the ravages of disease. Rhizoctonia, wilt and blackleg have developed in practically all of the fields to a greater or less degree. Rhizoctonia is by far the worst.

The disease known as rhizoctonia, or "little potato," has always given more or less trouble in this section. But this season its effects have been a great deal more widespread than common. The cold spring weather holding back the development of the young plants has made almost ideal conditions for the rapid spread and development of rhizoctonia.

The first symptoms of this disease are a general weakening of the plant, leaves changing to a pale green, stalk thickening and later brown burns developing over the leaves.

The disease gradually circles the stem and roots, causing the sap flow to be cut off above these points and forcing the plant to form new shoots just below these injured sections. When roots are girdled the young potato is cut off from its food supply and of course makes no further development. As soon as each tuber is cut off the sap continues to flow through the root, forming another potato, which in turn is girdled and cut off.

While the entire plant is seldom killed, this girdling process causes new shoots to be sent out and new potatoes form at such frequent intervals that neither the vines nor the tubers make satisfactory growth.

The use of corrosive sublimate will practically control the disease in the seed, but this year's results present ample proof that the soils are badly infected and simply treating the seed will not control rhizoctonia.

In older sections where similar trouble has been experienced, potato growers have been able to reduce the effects of the disease by seed treatment and crop rotation.

Bad soil conditions have usually resulted from a short rotation or continuous cropping with potatoes. Under these circumstances proper rotation and seed treatment will reduce the disease until it has but little effect on the crop.

However, our worst infected fields are on new land which has been planted with well treated seed. While rotation will undoubtedly be a great help, it can hardly be expected to produce the same results here as it has in sections where only the older soils are infected, yet it will no doubt prove to be one of the best methods of control.

The loss this year will be exceptionally heavy, and many growers will be greatly discouraged, yet it

must be remembered that if new soils are infected they have been so for a great many years and that the only reason rhizoctonia has taken such heavy toll this season is that the cold spring weather which greatly hampered the growth of the plant provided the most favorable conditions for the development of the disease.

HOW TO PRESERVE SILOS FOR FUTURE USEFULNESS

Now that the cost of constructing silos is high it is more important than ever to protect against decay those that are already built.

A good inside coating for silos, specialists of the United States department of agriculture say, is coal tar solution, thinned if necessary with gasoline, and applied with a paint brush. The best plan is to apply it one or two days before the silo is to be filled, but it can be done successfully during filling, the men in the silo painting a strip as high as they can reach, and repeating the process periodically until the top is reached. When put on in this way the material must be thinned with gasoline, which evaporates almost immediately and leaves the coal tar dry enough not to injure the silage.

Wooden stave silos that have begun to rot at the base—where decay usually begins—can be saved by sawing off the rotten portion. It is necessary, of course, to block up the silo before the sawing is done, and then to lower it gradually. Carefully handled, a silo can be sawed off and lowered absolutely without injury. After this operation there is likely to be three or four years of life left in a silo that without it would have been worthless.

PLENTY FOR EVERYBODY.

Try to make the dishes served of such size that there will be enough to satisfy the appetite of the family and no unnecessary table or plate waste. Don't be ashamed to plan closely. Thrift in food means providing enough food, neither too little nor too much.

LEGAL NOTICES

NOTICE OF FINAL SETTLEMENT.

In the County Court of the State of Oregon, for Deschutes County. In the matter of the estate of Mary J. Canada, deceased.

Notice is hereby given that the undersigned, administratrix of the estate of Mary J. Canada, deceased, has filed in the County Court of Deschutes County, State of Oregon, her final account as such administratrix of said estate, and that Monday the 29th day of September, 1919 at the hour of 10 o'clock a. m. has been fixed by the said Court as the time for hearing of objections to said report, and the settlement thereof.

ELLEN D. SANDERSON, Administratrix of the estate of Mary J. Canada, deceased. 25-29c.

NOTICE TO CREDITORS.

In the County Court of the State of Oregon, for Deschutes County. In the Matter of the Estate of Fred Goodfellow, Deceased.

Notice is hereby given that the undersigned was on the 25th day of August, 1919, appointed administratrix of the estate of the above named deceased by the county judge of Deschutes county, Oregon.

Therefore, all persons holding claims against the estate of said deceased are hereby notified to present the same, duly verified according to law, at the office of my attorneys, De Armond & Erskine, in the O'Kane building, Bend, Oregon.

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Elsie F. GOODFELLOW, Administratrix of the Estate of Fred Goodfellow, Deceased. 27-31c

NOTICE TO CREDITORS.

In the County Court of the State of Oregon, for the County of Deschutes.

In the Matter of the Estate of Henry W. Revelle, Deceased. Notice is hereby given that the undersigned was on the 28th day of August, 1919, appointed administratrix of the estate of the above named deceased by the county judge of Deschutes county, Oregon.

Therefore, all persons holding claims against the estate of said deceased are hereby notified to present the same duly verified according to law, at my office in the O'Kane building, Bend, Oregon, within six months from the date of the first publication hereof.

CHARLES W. ERSKINE, Administrator of the Estate of Henry W. Revelle, Deceased. 27-31c

NOTICE.

In the matter of the Organization of Snow Creek Irrigation District. Notice is hereby given that the following petition praying for the organization of Snow Creek Irrigation District will be presented to the County Court, of Deschutes County, Oregon, at the Court Room in Bend, Oregon, on the 1st day of October, 1919.

PETITION.

To the Honorable County Court of Deschutes County, Oregon.

Under and pursuant to Chapter 357 of the General Laws of Oregon for 1917, the undersigned propose the organization of an Irrigation District to be known as Snow Creek Irrigation District, and particularly bounded and described as follows:

Beginning at the NW corner of Sec. 10, Tn. 16 S. R. 11 E. W. M. Deschutes County, Oregon; thence N to the NW corner of the SW 1/4 Sec. 3; said township and range; thence W to the center of Sec. 6, T. 16 S. R. 11 E. W. M.; thence N to the center of Sec. 31, T. 15 S. R. 11 E. W. M.; thence W to the NW corner of the W. Q. of Sec. 31, said T. and R.; thence S to the NW corner of the SW Q. of Sec. 6, T. 16 S. R. 11 E. W. M.; thence W to the NW corner of the NE Q. of the SE Q. of Sec. 2, T. 16 S. R. 10 E. W. M.; thence S to the NW corner of the SE Q. of Sec. 11, T. 16 S. R. 10 E. W. M.; thence W to the NW corner of SW Q. of the SW Q. of Sec. 11, said T. and R. thence S to the SW corner of the NW 1/4 NW 1/4 Sec. 14, said township and range; thence E to the center of the NW 1/4 Sec. 14, said township and range; thence S to the SE corner of the SW 1/4 NW 1/4 Sec. 14, said township and range; thence E to the NE corner of the SE 1/4 Sec. 14, said township and range; thence S to the SW corner of the NW 1/4 SW 1/4 Sec. 13, said township and range; thence W to the center of the SE 1/4 Sec. 14, said township and range; thence S to the SW corner of the SE 1/4 SE 1/4

Sec. 14, said township and range; thence E to the SE corner of the SE 1/4 SW 1/4 Sec. 15, said township and range; thence S to the center of Sec. 24, said township and range; thence E to the SE corner of the NE 1/4 Sec. 24, said township and range; thence N to the NE corner of Sec. 24 said township and range; thence E to the NE corner of the NW 1/4 NW 1/4 Sec. 19, township 16 S. Range 11 E. W. M.; thence S to the NW corner of the NE 1/4 NW 1/4 Sec. 30, said township and range; thence E to the NE corner of the NE 1/4 NW 1/4 Sec. 30, said township and range; thence S to the center of Sec. 20, said township and range; thence E to the NE corner of the NW 1/4 SW 1/4 Sec. 20, said township and range; thence N to the center of the NE 1/4 Sec. 20, said township and range; thence E to the SE corner of the NE 1/4 NE 1/4 Sec. 20, said township and range; thence N to the SE corner of the NE 1/4 NE 1/4 Sec. 20, said township and range; thence E to the NE corner of the SW 1/4 NE 1/4 Sec. 9, said township and range; thence S to the SE corner of the SW 1/4 SE 1/4 Sec. 9, said township and range; thence S to the SE corner of the SW 1/4 SE 1/4 Sec. 9, said township and range; thence N to the NE corner of the NW 1/4 NW 1/4 Sec. 10, said township and range; thence W to the point of beginning.

Excepting therefrom the following described tracts:

The N 1/2 of the NW 1/4, and the NW 1/4 NE 1/4 Sec. 9, Tn. 16, S. R. 11 E. W. M. The SE 1/4 and the W 1/2 SW 1/4 Sec. 8, said township and range; the NW 1/4 NE 1/4, and the NE 1/4 NW 1/4 Sec. 17, said township and range; also the SE 1/4 and the E 1/2 SW 1/4, and the E 1/2 NW 1/4, SW 1/4 NE 1/4, SW 1/4 NW 1/4 Sec. 18, said township and range; also 56 acres out of the southeasterly portion of the SE 1/4 Sec. 30, Tn. 16, S. R. 11 E. W. M. belonging to the State of Oregon. Also Sec. 7 W 1/2 of Sec. 6 SE Q. of Sec. 6 8 1/2 of Sec. 5 N W Q. of the NE Q. of Sec. 8 NE Q. of the NE Q. of Sec. 8 W 1/2 of the NW Q. of Sec. 8 and the W 1/2 of the SW Q. of Sec. 8, T. 16 S. R. 11 E. W. M.; NW Q. of the NW Q. of Sec. 17 said T. and R. the SE Q. of Sec. 1 and E 1/2 of Sec. 1 the N 1/2 of Sec. 12 the N 1/2 of the SW Q. of Sec. 12 the NW Q. of the SE Q. of Sec. 12 the NE Q. of the NE Q. of Sec. 11 the NE Q. of the SW Q. of Sec. 11, all in T. 16 S. R. 10 E. W. M. in Deschutes County Oregon.

And your petitioners respectfully represent.

I. That they are each and all owners of land within said proposed irrigation District, which said land is irrigated or susceptible of irrigation, and that the undersigned are a majority of the owners of land within said District.

II. That it is the purpose of your petitioners to organize an irrigation District within said boundaries under said Chapter 357 of the General Laws of Oregon for 1917.

III. That your petitioners desire, by

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Notice of said irrigation district, to include the construction of works, and the results for the proper irrigation of the irrigable land within and outside said for the re-arranging, improvement, and maintenance of any and all works already constructed for the irrigation of said lands; and any other lands within said proposed irrigation District through the storage, diversion and use of the waters of Three Creek, Snow Creek, Big and Little Lakes and the tributaries of said streams and lakes, situated in Deschutes County, Oregon, and to do any and all things necessary to be done to fully reclaim all the irrigable lands within said district, and to perform any other act or thing permitted under said Chapter 357, General Laws of Oregon for 1917, and your petitioners pray that said irrigation district, as proposed, be organized under and pursuant to said law, and that an election be called, had and held for that purpose.

H. T. Hartley, Tumalo, Ore.; Paul A. Scoggins, Tumalo, Ore.; Lou Pulliam, Tumalo, Ore.; Mattie A. and George Crawford, 269 Wygant street, Portland, Ore.; (by Lucy Crawford, Smith agent), Tumalo, Ore.; Frank Coffelt, Tumalo, Ore.; H. A. Scoggins, Tumalo, Ore.; I. M. McKinney, Tumalo, Ore.; Clara Isabel McKinney, Tumalo, Ore.; Mortgage Company for America, J. Armfield, managing agent 22 Alnsworth building, Portland, Oregon. 25-30c

NOTICE FOR PUBLICATION.

Department of the Interior, U. S. Land Office at Lakeview, Oregon, August 13, 1919.

Notice is hereby given that Thomas F. Linville of La Pine, Oregon, who, on March 30, 1915, made homestead application No. 98536 for SW 1/4 SW 1/4, N 1/2 SW 1/4, SE 1/4 NW 1/4, Section 9, Township 23 S. Range 9 East Willamette meridian, has filed notice of intention to make final three-year proof to establish claim to the land above described before E. L. Clark, U. S. commissioner, at La Pine, Oregon, on the 29th day of September, 1919.

Claimant names as witnesses: B. C. Scott of La Pine, Oregon; John Masten, of La Pine, Oregon; R. E. Eaton, of La Pine, Oregon; Carl Wise, of La Pine, Oregon. 25-29c JAS. F. BURGESS, Register.

NOTICE FOR PUBLICATION Department of the Interior, Land Office at Lakeview, O July 30, 1919.

Notice is hereby given that Springstube of La Pine, Ore., on June 17, 1915, made homestead entry No. 08746 for NW 1/4 S 26, Township 23 S. Range 9 Willamette meridian, has filed notice of intention to make three-year proof to establish to the land above described 1 E. L. Clark, U. S. commissioner La Pine, Ore., on the 20th d September, 1919.

Claimant names as witness: Lucy Springstube, of La Oregon;

Kate Zierolf, of La Pine, Or John Masten, of La Pine, Or C. H. Claw, of La Pine, Or 25-29c JAS. F. BURGE Reg

NOTICE TO CREDITORS In the County Court of the St Oregon, for Deschutes Co In the matter of the estate of ert Hyslop, deceased.

Notice is hereby given that Hamilton has been appointed a ministrator of the Estate of R Hyslop, deceased, by the Co Court of Deschutes County, Or All persons having claims ag the said estate are hereby no to present them, duly verified, proper vouchers, to said admini at the law office of R. S. I lton, in the First National Building, Bend, Oregon, withi months from the date of the publication of this notice, to Within six months from August 1919.

R. S. HAMILTON Administr

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