

What Busy Farmers Are Doing

NEW DISEASE IN POTATOES

COUNTY AGRICULTURIST BELIEVES IT EITHER FUSARIUM OR BLACKLEG—INVESTIGATIONS BEING MADE.

County Agriculturist H. E. Koons reports that several days ago a number of fields of potatoes were developing a condition akin to fusarium, or possibly black-leg. Specimens of these diseased plants were mailed to Corvallis for positive identification by the agent's office. The department of pathology of the Oregon Agricultural College is not certain which of the two diseases is present, but will be able in a few days to make a definite report.

Since the first samples were sent to the county agent other fields are reported to have developed the same trouble.

Ordinarily the corrosive treatment of seed will eliminate trouble with black-leg, but when seed, which has been affected in the previous year is used the organisms are sometimes found within the potato and in this case no dip is able to reach them.

"When such seed is used the plants are usually thrifty all during the early part of the growth, but about the time the young tubers are being formed these organisms either injure the main stem or else cut off the young tubers from the rest of the plant, consequently preventing their further development. The outward indications are that the leaves turn to yellow or light green and eventually die. The first leaves to show the effects of the disease are those closest the ground, later on the whole plant may become badly withered and off color," says Mr. Koons. "To just what an extent the potato crop this year will be affected it is not possible to say, but there are some few fields which the writer has examined on which the yield will perhaps be cut one-half or more. Constant use of the corrosive sublimate dip will in time greatly control the disease, but the best means of prevention are to use clean seed and new land, rotating potato areas as often as possible."

AIR DRILL ORDERED BY POWER COMPANY

A compressed air drill to be used in connection with the Bend Water, Light & Power company's program of laying steel mains through the business district of the city, has been ordered by the company to facilitate more rapid work than would otherwise be possible.

Farmers, remember, big Banker-Farmer Mixer on Tumalo Island, Sept. 1.—Adv.

Put it in The Bulletin.

FARMERS SMILE; CROPS BUMPER

SECOND CUTTING OF ALFALFA LOOKS PROMISING—SULPHUR IDEA GAINING GROUND IN COUNTY, SAYS H. E. KOONS.

What's the cause of the smiles and pleasant looks among the farmers of Deschutes county this year—better crops and favorable prices in the air.

Many of the farmers are reporting prospects for second cutting of alfalfa which will mean almost as heavy a yield as made by the first cutting. Many of these yields, according to county agriculturist, H. E. Koons, are the direct result of the use of sulphur as fertilizer. Farmers are constantly applying to the county agriculturist for orders for sulphur, seeing this year the benefit they themselves have gained or the results obtained on the farms of neighbors. They believe sulphur is one of the best investments a farmer can make.

The Grimm alfalfa seed is showing up in fine shape. While no accurate measurements are possible from the Grimm alfalfa fields, it is apparent, according to Mr. Koons, that this hardier strain of alfalfa has made sufficient increase to pay for the difference in the price of the seed several times over, to say nothing about the insurance against winter killing.

DAIRY STOCK IS SHOWING INCREASE

WASHINGTON, D. C., Aug. 25.—Twenty-nine countries each have more than 2,000,000 cattle. The United States has not the greatest number, as many people suppose, but ranks second to India by more than 100,000,000. During the last 33 years Guernseys led by far all other breeds in numbers of pure-bred cattle imported into this country, and of the five breeds leading the importations, four were distinctly dairy types.

Dairy cows have shown less fluctuation in number than total cattle. This condition is noteworthy throughout the world over long periods including adverse conditions, such as disease, drought, and war.

European experiences indicate that when a country has reached the practical limit of cattle the land will maintain further increase of milk production is obtained by improving the yield per cow.

It appears logical that the United States can best meet changed world conditions, first, by increasing simultaneously both the number and quality of its cattle; second, by constant attention to economy of production; and third, by maintenance of cattle raising and dairying in conjunction with general farming, thus reducing dependence on purchased feeds.

CROP CENSUS IS COMPLETE

FARMS IN THE COUNTY NUMBER 720.

First Complete Summary of Agricultural and Horticultural Statistics for Deschutes Shows Variety of Farming.

For the first time in the history of the county, a complete summary of agricultural and horticultural statistics is available, being made public Saturday by Assessor W. T. Mullarky, under whose direction it was compiled in compliance with the new state law. The report is considered of great value by the county agriculturist, to whom a copy of the assessor's summary has been furnished.

According to Mr. Mullarky's report, data for which was collected by his deputies earlier in the summer when statistics for the tax roll were gathered, there are 720 farms in Deschutes county, with a total acreage of 99,565. The largest acreage in any one crop is that devoted to alfalfa, 10,320.75. Rye comes next with 8203.25 acres, and oats were planted this year on 4598.5 acres.

Crops Are Varied. Other crops, with their acreage, are as follows: Winter wheat, 79; spring wheat, 2388; barley, 631; corn, 457.25; clover, 919.5; wild or marsh hay, 1617; other hay crops, 2248.5; potatoes, 1334.75; other root crops, 51; field peas, 10; field beans, 30; other crops, 134.5; apple trees, bearing, 54.75; apple trees, not bearing, 8.5; strawberries, .5; other fruits and nuts, bearing, 42.25; other fruits and nuts, not bearing, .5.

The total acreage devoted directly to the commercial growth or culture of agricultural and horticultural products is 33,122.5.

SAYS THE BOY. "Why did you leave the farm, my lad?"

Why did you bolt and leave your dad?"

Why did you beat it off to town And turn your poor old father down? Thinkers of platform, pulpit, press Are wallowing in deep distress; They seek to know the hidden cause Why farmer boys desert their pa. Some say they long to get a taste Of faster life and social waste, And some will say the silly chumps Mistake the suit cards for their trumps

In waging fresh and germless air Against the smoky thoroughfare. We're all agreed the farm's the place. So free your mind and state your case."

"Well, Stranger, since you've been so frank, I'll roll aside by hazy bank. The misty cloud of theories, And tell you where the trouble lies; I left my dad, his farm, his plow, Because my calf became his cow; I left my dad—'twas wrong, of course—

Because my colt became his horse; I left my dad to sow and reap Because my lamb became his sheep; I dropped my hoe and stuck my fork Because my pig became his pork; The garden truck that I made grow Was his to sell but mine to hoe; It's not the smoke in the atmosphere Nor the taste for life that brought me here; Please tell the platform, pulpit, press No fear of toll or love of dress Is driving off the farmer lads, But just the methods of their dads."

Big Banker-Farmer Mixer on Tumalo Island September 1.—Adv.

HOTEL EMPLOYEES GET SHORTER WEEK. Announcement was made by Manager Birdsall of the Pilot Butte Inn this morning of a new policy to be adopted by the hotel in respect of hours of employment of chamber maids. Arrangements are to be made by which all such employes will hereafter have one day off in seven, instead of working seven days in the week, as heretofore.

Growing Old Before Your Time. Kidney trouble tends to slow up men and women in middle life and they fear oncoming age when it is only the kidneys that are at fault. Foley Kidney Pills assist nature to restore a sound, healthy condition and to banish backache, soreness, lameness and stiffness, puffy eyes and other symptoms. Sold everywhere.—Adv.

FILL IN WITH SUNFLOWERS

The silo has had a hard time trying to make its way in parts of Montana, owing to the difficulty of raising corn and in searching for a substitute, the experiment station at Bozeman began a test of Sunflowers in 1915.

Sunflower ensilage has given gratifying results at the experiment station, where it has been fed to dairy cows the past three years. The mammoth Russian variety has been grown for several years in different parts of Montana on both dry and irrigated land. The stalks of this variety grow to a height of from seven to twelve feet, and the yield of green forage on dry land was from five to ten tons per acre.

If used for silage, the sunflowers should be cut when one-half to three-fourths of the seed is in the milk stage. If cut before this time, the stalks are watery and considerable loss in weight occurs. They may be harvested by hand or with a corn binder and the stalks are passed thru the ensilage cutter and placed in the silo in the same manner as corn.

Cows will eat sunflower silage very readily and experiments conducted by the Bozeman station showed that cows would produce both more milk and butterfat when on a ration of grain, clover hay alone. The grain ration was the same and an average daily feed of thirty-four pounds of sunflower silage effected a daily saving of nine pounds of clover hay per cow.

Russian thistle also has proven of considerable feeding value when made into silage and has enabled more than one farmer to carry his herd over a dry year. As soon as the value of the silo is demonstrated to the farmers of Montana, they will be as thick as they are in Wisconsin, Iowa and the older states at the present time.

It is the only building you do this year, put up a silo and fill it with whatever forage you have at hand, and you will be surprised with the results.—From "House of Shevlin."

Put it in The Bulletin.

GORDON

Only a good hat can look as good as do the new fall Gordons. The Gordon has a charm that goes with top notch character and quality.

Style BART is a real personality. Ask your hatter.

HATS
CASHMAN, Bend's Clothier

ARMY FOODSTUFFS MARKET IS DULL

Few Orders for Supplies Placed This Afternoon at Postoffice—Large Quantity Still Available.

Approximately \$750 worth of government foodstuffs had been sold up to 3 o'clock this afternoon, but Acting Postmaster W. H. Hudson, through whom the orders for this district are being placed, reported that the demand for supplies at cost had slumped badly, for very few orders were booked today.

There is still available for this district a large quantity of bacon, canned baked beans, canned string beans, corned beef, canned roast beef, canned corn, canned corned beef hash, canned peas and flour and beans.

Put it in The Bulletin.

GIVE HENS MASH FEED.

It is the practice of the most successful poultrymen to feed a part of the daily grain ration ground. Most of them feed the ground grain moistened with either milk or water, some feed it dry. A fowl's gizzard is capable of grinding all kinds of grain, but it is considered more economical to have a part of the grinding done by steam or water power. The soft-feed idea must not be overworked. A beginner often reasons that it is cheaper for the miller than for the fowl to grind the grain; but the powerful muscles of the gizzard are there to be used, and experience has shown that the balance of power of functions in the fowl's economy makes the vigorous exercise of the gizzard beneficial. When feeding moistened ground feed have it a comparatively dry, crumbly mash, and not a thin soup. Give what they will eat readily in 15 or 20 minutes.

Put it in The Bulletin.

What We Are Striving To Do

Every possible effort is being made to prevail upon Portland distributors to provide us with

**Velie
Overland
Essex
Hudson Super-Six
Automobiles**

We are making frequent trips to Portland and are urging most strongly that Bend and vicinity be given every consideration in its quota of orders. We now have a large number outstanding and will do all in our power to get your order filled at the earliest possible date.

Come in as soon as you can and let us explain the situation to you. It was never so difficult to get orders for these automobiles filled. They are popular and buyers are snapping every opportunity to get them.

Pioneer Garage Co.

Agents for VELIE, OVERLAND, ESSEX, HUDSON SUPER-SIX AUTOMOBILES and GENERAL TIRES

School Opens Sept. 15th

Be sure you have all your School Supplies on that day. We will carry an unusually large stock of books and all other supplies for the school room.

Remember---School Books Change This Year.

Horton Drug Co.

The *Rexall* Store