

Selection Of Seed Most Vital Factor In Klamath Basin Potato Production

Selection of potato seed is the most important single factor determining profits in Klamath basin potato production according to Walter Jendrzejewski, assistant county agent.

Crop rotations, land preparation, seed treatment, rate and date of planting, fertilizers, proper water application, efficient machinery for planting, cultivation and digging and good storage and grading facilities are factors which have been well

Leaf Roll Increasing In Oregon

Leaf roll, a dangerous virus disease of potatoes, seems to be on the increase in parts of Oregon. Growers are particularly concerned and are attempting to find seed free of this disease.

While leaf roll effects the growth of vines and decreases yields as well as quality during the growing season, the main loss comes from the development of net necrosis or internal browning in the tubers, making it difficult to make grade as the browning can not be seen until the potatoes are cut. Where leaf roll develops early in the field, considerable necrosis or browning develops in the tubers to such an extent that many cannot make grade at digging time.

Where the spread of this disease is late in the season, development of browning seldom effects the grade. Potatoes, however, may show little evidence of the disease because of its late development but still carry the disease. They are not good for seed.

Frosts late in the season bring about a condition of browning that is particularly hard to detect from browning caused by leaf roll. Browning caused by freezing is not a disease and doesn't effect quality of the seed. Certain fungus causes discoloration in the stem end and these too are not comparable to leaf roll and are generally not tuber perpetuated.

Dwarfed Plants

Seed potatoes containing leaf roll produce dwarfed potato plants with rolling and leathery texture of the leaves. This disease is spread from diseased plants to healthy plants by plant lice or aphids, therefore continued warm weather greatly increases insect population, thereby increasing spread of the disease. Certain aphids are known to be carriers of the virus of leaf roll.

A peculiar characteristic of leaf roll is that tubers containing the disease when planted produce tubers that do not have internal browning, although the tubers so produced are very much smaller and many of them unmarketable. However, potato plants infected with leaf roll by insects passing from an infected plant produce tubers effected with internal browning and from these plants further current season spread takes place.

Control

For control of this serious disease, the Oregon Experiment station advises the following:

1. Use clean seed.
2. Discard diseased tubers.
3. Rogue diseased plants.
4. Maintain an isolated seed plot.

To the above might be added dusting when an undue number of insects appear, particularly where there may be a trace of leaf roll in the seed or in adjacent fields. Rotenone has generally been considered as the best dusting material for aphid control although it doesn't last as well as other material when applied to the plant, thereby causing redusting. Nicotine sulphate is more lasting, but seems to be very difficult to obtain. Experimental work with DDT doesn't seem to be too conclusive as yet. A complete checkup of the various kinds of dust and methods of application is being made by the county agent's office, as it is anticipated that considerable dusting may be undertaken in 1946.

thought out by Klamath growers. Growers, for the most part, follow sound practices in regard to these production factors, Jendrzejewski said.

As a general rule less attention is given to seed selection or seed production. In many cases plantings are made with seed carrying a high percentage of yield reducing diseases.

A yield reduction of approximately 10 sacks per acre is the result of planting seed which carries 10% milk mosaic infecter tubers. Yield of an affected plant is reduced about one-third.

The disease can be detected only in growing plants where a crinkling of leaves and a slight yellowish mottling are determining symptoms. Mild mosaic cannot be recognized in tubers. Mild mosaic is the least serious yield reducer of any disease occurring in Klamath potatoes.

Ten per cent leafroll infected plants can be expected to cut yields approximately 30 sacks per acre and furnish the source of current season infection to a large part of the remaining initially healthy plants. Net necrosis or "internal browning" occurs in tubers produced by potato plants infected with leafroll during the growing season.

Leafroll can be discovered in seed stock tubers. Any seed lot in which leafroll discoloration is discovered in more than one per cent of the tubers is risky to plant in a year favorable to insect development wide current season spread is certain to occur. If cut seed is used and discolored tubers discarded much leafroll can be eliminated from this planting.

Another strain, however, seems to have occurred. It apparently causes less discoloration in the tuber but cannot be recognized in the plant for approximately sixty days after emergence. Plants are not affected as seriously as with the type of leafroll known here previously.

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Farmers Warned Not To Burn Ferns

CORVALLIS, Feb. 21 (AP)—Oregon State college officials warned farmers today not to start burning up ferns unless they are going to plant grass on the site.

Burning fern without subsequent seeding only causes a heavier crop of fern than ever, D. D. Robinson, extension forester, reported.

Klamath Basin Co-Op Elects New Officers

TULELAKE, Feb. 21—The Klamath Basin Cooperative, at the annual meeting here Monday, elected Jack Marshall of Olene, Karl Dehlinger of Henley, Jess Smith of Olene, S. F. Perry and Albert Larson of Tulelake to serve as a board of directors.

Larson was the only member of the new group to be re-elected.

Hold-over members of the board are George Frey and Webb Staunton of Tulelake. Retiring members are Earl Mack and Rex High of Henley. The new board meets Friday at 2 p. m. at the Tulelake Cooperative store to elect a permanent chairman.

C. T. Haggerty, manager of the local business, outlined objectives for this year including the development of petroleum products, hardware sales, chemicals for weed eradication, livestock and poultry feed lines and sales on barley and alfalfa clover for seed. Other speakers were Bert Wilcox, field man for Pacific Supply of Klamath Falls; Don Gillespie, manager of Pacific Supply, and Homer Smith, manager of the Lakeview Cooperative.

The entire board of directors from here, including Haggerty, with V. G. Rlenmiller, Charles Snyder, manager of the Klamath Falls Cooperative Feed store, Sam Enman, Percy Dixon of Henley, Earl Mack and Fred McMurry, Tulelake, will attend the annual meeting of Pacific Supply at Walla Walla, Wash., March 4 and 5.

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Dairymen Rap Price Controls

WASHINGTON, Feb. 21 (AP)—Organized dairy farmers leveled their guns at the administration's farm price control policies today, contending they imperil future milk production.

The National Cooperative Milk Producers' federation, at a special meeting attended by 175 delegates from various parts of the country, adopted a resolution calling for an end to price control and government food subsidies.

The resolution, to be laid before the house banking committee which is considering legislation to extend price control another year beyond June 30, asserted that rising costs of production are forcing "wholesale disposal of dairy herds and are rapidly drying up the nation's milk supply."

Presents Case

The federation laid its case before more than 100 lawmakers at a dinner last night.

John Brandt, of Minneapolis, president of the federation, told the gathering that the country faces an "acute shortage" of butter and other dairy products.

"The present situation with respect to shortages of dairy products and black markets," he said, "is the result of improper application of price controls and rationing. Butter is a good example of the chaos caused by price controls that do not apply across the board. Butter has been controlled out of existence except in the black market."

Brandt referred to the fact that cream—which competes with butter for the farmers' butterfat production—is not subject to price control.

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Dairy Association Elects Officers

CORVALLIS, Feb. 21 (AP)—The Oregon Dairy Manufacturers' association elected E. L. Reuser, Albany, as president to succeed N. A. Peters, Portland, at concluding sessions of their meeting here last night.

Other officers: Jack Wright, McMinnville, vice president; F. F. Moser, Corvallis, treasurer; Dr. G. H. Witter, Oregon State college, secretary, and Roy Stout, Oregon State college, assistant secretary. N. A. Peters was named to the board of directors.

Farm Crop Goals Drop

Recommended national farm production goals for 1946 as announced November 30 called for 358 million acres of farm crops. This is less than the 1945 goal, but 5 1/2 million acres more than was actually planted during 1945.

Sugar beets showed the greatest percentage increase amounting to 31 per cent. Continental sugar cane showed 8 per cent increase indicating effort being made to increase sugar production.

Potatoes showed a recommended decrease of 16 per cent from the 1945 planted acreage along with recommended increases for sugar producing crops. Priority is also given on any imported labor for sugar beets. This might be worth some consideration in the Klamath basin, particularly on these soils adapted to production of sugar beets.

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Slaughterers Told To Obey OPA Ceilings

PORTLAND, Ore., Feb. 21 (AP)—Five Oregon slaughterers were under injunction today to obey OPA price regulations with which they said they were unable to comply.

Federal Judge Claude McCulloch declared that the price control act forced him to issue an injunction, "even though it is known at the time of issuance that non-willful violations are bound to occur."

Attorneys for the packing firms told the court they had paid market prices for cattle, varying from day to day, and admitted the monthly average was above that allowable on the quality of slaughtered beef obtained after grading. They said they were "helpless to prevent" the violation.

In signing the order, asked by the OPA, Judge McCulloch declared the court was in "the strange situation, previously unknown to our law" of being compelled to treat as valid a regulation, "even though they know it to be invalid."

He said the case should be carried to the supreme court to determine whether the courts have become mere rubber stamps for executive action.

Four Portland firms and Harry Levy, Midget market, Salem, were listed as defendants.

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Thursday, Feb. 21, 1946

HERALD AND NEWS

Man Perishes In Rooming House Fire

ABERDEEN, Feb. 21 (AP)—One man was killed and nine others managed to escape flames which quickly consumed a three-story, frame rooming house, used by old-age pensioners here last night. The victim, in whose room the fire originated about 11:30 p. m. was Elmer Anderson, 45, who has no known relatives. Julia C. Allen, the proprietress, and others attempted to rescue Anderson, but were thwarted by the raging flames.

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1/4 H. P. Electric Motor	34.50	27.00
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