

POTATO SEED DISEASES CHECKED BY TREATMENT

Mercuric Chloride Proved to be Best Control for Prevailing Troubles in Oregon

Oregon Agricultural College—"By far the best results in control of Potato Seed Diseases came from the 1 1/2 hour treatment of the seed with corrosive sublimate—mercuric chloride—Solution, 4 ounces to 30 gallons of water," says M. B. McKay who conducted extensive tests on the college experiment station grounds. Untreated seed affected with rhizoctonia produced a crop 85 per cent diseased while like seed treated with the mercury solution grew a crop only 17 per cent diseased.

Even apparently clean tubers when given the corrosive sublimate soak similar tubers brought a crop only 14 per cent infected, this caused by infection from the soil.

Diseased seed treated an hour and a half with formaldehyde, 1 pint 40 per cent strength to 30 gallons of water, showed in the crop a much higher per cent of disease than was found in the mercury treatment. This was true even when the disease tubers had only a half hour's soak in the mercury solution, a practice that may be necessary when the seed is well sprouted before treatment.

The corrosive sublimate solution also controlled scab, two diseases with a single treatment. Another is that it may sometimes kill rhizoctonia which is present but not detected on the seed.

As a general practice the station recommends that all potato seed be treated with the corrosive sublimate solution and planted on ground that has not borne a potato crop for two or three years.

Lumbago

This is a rheumatism of the muscles of the back. It comes on suddenly and is quite painful. Every movement aggravates the disease. Go to bed, keep quiet and have Chamberlain's Liniment applied and a quick recovery may be expected. Mrs. F. J. Dann, Brockport, N. Y., writes: "I can honestly say that Chamberlain's Liniment cured me of lumbago a year ago last summer. When I began using it, I was flat on my back in bed and could not turn to the left or right. I had a bottle of Chamberlain's Liniment in the house and this was applied to my back. It promptly drove away the pains and aches." Pd. Adv.

Forest Protection Week

A PROCLAMATION By the President of the United States of America

Whereas, the destruction by forest fires in the United States involves an annual loss of approximately \$20,000,000 and the devastation of approximately 12,500,000 acres of timberland and other natural resources, and

Whereas, the present deplorably large area of non-productive land is being greatly increased by 35,000 or more fires which occur each year, and

Whereas, the menace of a future timber shortage threatens to become a present economic fact seriously affecting our social and industrial welfare, and

Whereas, a large percentage of the forest fires causing the annual waste of natural resources may be prevented by increasing care and vigilance on the part of citizens:

Therefore, I, Warren G. Harding, President of the United States, do urge upon the Governors of the various States to designate and set apart the week of May 22-28, 1921, as Forest Protection Week, and to request all citizens of their States to plan for that week such educational and instructive exercises as shall bring before the people the serious and unhappy effects of the present unnecessary waste by forest fires, and the need of their individual and collective efforts in conserving the natural resources of America.

In witness whereof, I have heretofore set my hand and caused the seal of the United States of America to be affixed.

Done in the District of Columbia, this 7th day of April, in the year of our Lord One Thousand Nine Hundred and Twenty-one and of the Independence of the United States of America the One Hundred and Forty-fifth.

Warren G. Harding
By the President:
Charles E. Hughes
Secretary of State

THE HOME GROWN PAPER

How the heart grows soft and tender while its columns you're persuading.

Every item is familiar, every name you know full well. And a flood of recollection passes o'er you while you're musing.

On the past, and weaves about you an imaginative spell. You can see the old home village once again in fancy, seeming To be clasping hand of neighbor and of friend and relative; And their faces rise before you as your idly, fondly dreaming O'er the little country paper printed where you used to live.

Farm Reminders

Manure should be applied to the soil now rather than allowed to lie over until next year. In making an

application for a corn field the well rotted manure should be applied and then harrowed before plowing in order that they may be more evenly distributed. Poor results from commercial fertilizers are often due to too late and uneven distribution of the fertilizer.—O. A. C. Experiment station.

Commercial fertilizer applied to potatoes is better in general if distributed so no considerable amount touches the seed. A heavy application if applied in the row may in some instances kill the seed potato. Dropping nitrate of soda and sulfate of ammonia on the planted seed is practically sure to keel the potato.—O. A. C. Experiment station.

Cultivation should be started now that the dry season is at hand. The most effective mulch is one 2 1/2 to 3 inches in depth and made up of crumbs from the size of peas to the size of hickory nuts.—O. A. C. Experiment station.

Sulfur on alfalfa gives better returns when harrowed in, as the harrowing works the sulfur down so the plants can get it and also distributes it more evenly.—O. A. C. Experiment station.

The experiment station is conducting experiments to determine the most economic rate, manner, and frequency of applying manure to the soil, the results of which will be available to the farmer later.

Whooping Cough.

This is a very dangerous disease, particularly to children under five years of age, but when no paregoric, codeine or other opiate is given, is easily cured by giving Chamberlain's Cough Remedy. Most people believe that it must run its course, not knowing that the time is very much shortened, and that there is little danger from the disease when this remedy is given. It has been used in many epidemics of whooping cough, with pronounced success. It is safe and pleasant to take. Pd. Adv.

Better Stock Gets Better Care

In contributing his experiences on the cause of runty livestock in a recent inquiry conducted by the U. S. Department of Agriculture, a Vermont farmer urges greater care in the early life of domestic animals. "When people can be educated to the proper care and feeding of stock," he declares, "the runt will be practically wiped out. The reason, perhaps why there are not so many runts in purebred herds as in others is because the man who cares what kind of stock he keeps cares enough to care for them." He concludes that one of the principal factors in the cause of runty live stock is the man who has the care of them the first year.

Crew of Our Great Airship, Roma



In a short while this crew of United States aviators will leave for Italy to bring back the "Roma," the world's largest semi-rigid airship, recently purchased by the United States army air service.

FEW DEPOSITORS SAVE BIG SUMS IN AMERICA

New York—Despite the fact that 28.9 per cent of the world's savings are in this country and that the average depositor in the United States has a greater sum to his credit than his European neighbor, only 8 per cent of the total number of the world's savers are Americans.

Authority for this statement is the Savings Banks' Association of the State of New York, which has made an extensive investigation of savings banks throughout the world. In proportion to population, said a statement issued today, a number of foreign countries exceed the United States in number of depositors.

"European people, through centuries of struggle for mere existence," said Dr. H. H. Wheaton, executive manager of the Association, "have been trained to the most rigid economy, while Americans have found life a comparatively easy matter. The average American family until quite recently made its expenditures on the plan, Pay expenses first and save what is left, if there is anything."

Dr. Wheaton said that in France, one out of every five inhabitants has a savings account. In his opinion the economy of the French people has been their protection against the "death thrusts of centuries."

TILTH TOOLS REQUIRED TO MAKE GOOD SEED BED

Oregon Agricultural College,—Disking land that is hard and packed or covered with manure or a heavy growth is profitable before plowing, according to W. L. Powers, professor of soils at the O. A. C. Experiment station.

Use of the disk harrow followed with the spike tooth or spring tooth harrow after plowing will aid materially in making a good seed bed where the soil breaks up into clods. Then by rolling the land with the double corrugated land roller, or multi-packer, the ground will be in excellent condition, as rolling breaks the surface clods and helps in conserving the moisture. A good method is to alternate the rolling with harrowing to level the ground and form a good mulch.

The land roller is often the best implement for preparing heavy lands and peat lands to be sown to crops and should be used more extensively on the farms.

When an organization of producers can reduce the retail price to consumers by 15 per cent and net its members more from the proceeds of sales than was possible by the old method, it established itself in the hearts of the people. This is exactly what the Oregon-Dairymen's Cooperative League did when it announced the sale of milk at 11 cents, or two cents below the price milk dealers and agree upon.

For three and one half years the Oregon Dairymen's Cooperative League and its predecessor, the Oregon Dairymen's League, has tried to work out amicable trade relations with the Portland milk dealers, whereby its members' milk might be given to the public at a reasonable price and net the largest possible return to producers.

At times the Milk Commission had cut the dealers margin as low as 6 1/4 cents a quart, leaving the dairymen from 6 1/2 to 8 1/4 cents a quart. At other times the dealers succeeded in wiggling themselves up to the point where they were receiving more for distributing the milk than the producer got for it after delivering it at the dealers' plant.

When the Milk Commission final-

ly announced the last of March that it would no longer act without legal power to enforce its rulings, the dealers met and agreed upon a price that meant 6 cents to the producer, and 7 cents to the dealer, lowering the retail price only 1 cent, from 14 to 13. The last price issued by the Milk Commission last winter gave the producers 7.2 cents and the dealers 6.8 cents.

There are certain interests in Portland that flourish best where there is a big surplus of milk to be unloaded at a sacrifice. That same interest managed to create such a surplus of League milk that it would have brought the net price to League members very little, if any above 5 cents a quart had their offer been accepted.

It was at this point that the Board of Directors of the League met and decided to reach the consumer by the shortest route possible. Since April 5th League milk is being sold from hundreds of grocery stores at eleven cents a quart or two cents below the price agreed upon by the dealers.

It is claimed by Albert S. Hall, General Manager of the League, that this price nets the League 6 cents. The cost of pasteurizing, bottling and delivering is 3 cents and the grocer gets 2 cents for handling.

A few of the smaller dealers have found it possible to put their plant on an efficient basis and do the retail distributing at a cost of five cents a quart and are now selling to consumers at 11 cents.

The miracle of the Theatre Art "Kismet," will be shown at the Play House Sunday and Monday, May 15 and 16.

PUBLIC NOTICE (No. 46)
Operation and Maintenance Charges. (Under Act June 17, 1902, 37 Stat. 388, as amended and Supplement.) Umatilla Project, Oregon Department of the Interior, Washington, D. C., April 25, 1921.

1. East Division—The annual operation and maintenance charges for the irrigation season of 1921 and thereafter until further notice against all lands of the East Division, heretofore called East Side Unit, Umatilla Project, Oregon, under public notice shall be as follows: A minimum charge of Two Dollars and Twenty-Five Cents (\$2.25) per irrigable acre, whether water is used thereon or not, which minimum charge will entitle the water user to four acre-feet of water per irrigable acre. Provided, that for lands in the so-called Sandy Area, this charge will entitle the water user to seven acre-feet of water per irrigable acre. Additional supplies will be furnished for all lands at the following rates: The first acre-foot for seventy-five (75) cents and each acre-foot thereafter for One Dollar (\$1). Provided Further, That for lands seeded during the current irrigation season alfalfa for the first time, the additional supply of water will be furnished for twenty-five (25) cents per acre-foot.

2. West Division—The annual operation and maintenance charges for the irrigation season of 1921 and thereafter until further notice, against all lands of the West Division, heretofore called West Extension Unit, Umatilla Project, Oregon, under public notice shall be as follows: A minimum charge of Two Dollars (\$2) per irrigable acre, whether water is used thereon or not. For lands in the Boardman and Kern Districts of the West Division (excepting lands in the Juniper Canyon area,) this charge will entitle the water user to the three acre-feet of water per irrigable acre. For the remaining lands in the West Division, including lands in the Juniper Canyon area, this charge will entitle the water user to four and one-half acre-feet of water per irrigable acre. Additional supplies will be furnished for all lands at the following rates: The first acre-foot for seventy-five (75) cents, and each acre-foot thereafter for One Dollar (\$1). Provided, That for lands seeded during the current irrigation season to alfalfa for the first time, the additional supply of water will be furnished for twenty-five (25) cents per acre-foot.

3. Payment of charges—All operation and maintenance charges under the project will be due and payable on March 1 following the irrigation season; but where water-right application is made for public land entered under the reclamation law after June 15, or where water-right application is made after August 1 for land in private ownership, no operation and maintenance charges will be made for water delivered during the remainder of the irrigation season in which water-right application is made.

Albert B. Fall
Secretary of the Interior

NOTICE TO CREDITORS

In the County Court of the State of Oregon for Umatilla County.

In the Matter of the Estate of Edgar H. Graham, deceased.
Notice is hereby given that the undersigned has been appointed administrator of the above entitled estate by the judge of the above entitled court, and that he has qualified as the law directs. All persons having claims against the estate are required to present the same with proper vouchers to me at my home near Hermiston, Oregon, or to my Attorney W. J. Warner at his office in said Hermiston, within six months from the date hereof.

Dated this 4th day of May, 1921.
Frank Waugaman
Administrator.

34-5tc.

Pendleton and Umatilla Stage

LEAVE

Pendleton	8:00	12:00	4:00
Echo	9:15	1:15	5:15
Stanfield	9:30	1:35	5:35
Hermiston	9:55	1:55	5:55
Into Umatilla	10:15	2:15	6:15

LEAVE

Umatilla	8:00	12:00	4:00
Hermiston	8:20	12:20	4:20
Stanfield	8:45	12:45	4:45
Echo	9:00	1:00	5:00
Into Pendleton	10:15	2:15	6:15

TWO TRIPS SUNDAY
Leaving Pendleton 8 a. m. and 4 p. m.
Leaving Umatilla 8 a. m. and 4 p. m.
722 Cottonwood Phone 865
We Deliver Parcels at Way Points

FARES
Pendleton to Echo, \$1.10
Pendleton to Stanfield, \$1.35
Pendleton to Hermiston, \$1.75
Pendleton to Umatilla, \$2.15

Station at Hotel Oregon and Hotel Hermiston

Real Estate, Loans, Insurance, Investments

Land and City Property: Bought, Sold, Rented, Exchanged and Improved.

Insurance--
Strong American companies insuring against fire. The best Western companies. Correct rates. Experienced business attention assured.

Loans--
Agency for Union Savings & Loan Association of Portland. Investment. Excellent rate of interest on money, protected by State deposit of securities.
Loans on improved city property. Can let you have money to build.

Investments:
If you want to buy, advise with us as to safe investment. We know values, soils, water rights and possibilities of success. Can direct you right.
We hold state license to do business and are under bond for honest dealing. Whatever we represent we will stand by.

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The Theatre Beautiful

THE PLAY HOUSE

Hermiston Oregon

Saturday, May 14

"The Rookies Return"

7:30-9:15

20-40c

Sunday and Monday, May 15 and 16

"KISMET"

The Miracle of the Theatre Art

PROLOGUE

Lenore Dyer, Alice Dyer and A. W. Adamson.

Directed by Phyllis Dyer

25-55c--Seat sale at Mitchell's, one show 8 p. m.

Wednesday, May 18

All star cast

"In Folley's Trail"

Eddie Polo in "KING OF THE CIRUCS"

7:30-9:15

15-35c