WESTERN NEBRASKA POTATOES

BOX BUTTE COUNTY HELPS KEEP NEBRASKA'S BREAD BASKET FILLED BY GROWING FOUR TIMES AS MANY POTATOES, IN PRO-PORTION TO SIZE, AS ANY OTHER COUNTY IN THE STATE

(Written by F. M. Seidell, County Agent, U. S. D. A.)

An article by F. M. Seidell, Box Butte county agricultural agent, on the betterment of our potato crop. Scidell says to better the crop the growers should observe the following:

- 1. Use pure standard varieties for seed.
- Select seed of variety type and free from disease.
- 3. Treat seed potatoes to control and eradicate disease.
- 4. Use proper cultural methods; practice rotation.
- Grade for market.
- Store in disinfected cellars with proper ventilation and temperature.

FOR TREATING SEED POTATOES THE DEPARTMENT OF AGRICUL-TURAL BOTANY RECOMMENDS THE FOLLOWING:

- 1. One pint of formalin in 30 gallons of water. Soak potatoes for full two
- 2. Four ounces of corrosive sublimate in 30 gallons of water. Soak potatoes for full one and one-half hours.

ment on the "Improvement of Box other varieties.

There is a need to improve our potatoes so that the growers can produce them more economically and to

missnaped potato. The constant use

Of small potatoes will tend to reduce
the yield. A potato may be small
100.03 bushels of marketable potatoes per acre and scabby seed reductatoes used for seed which probably

agent, has issued the following state- planter. In marketing pick out all ority of the Box Butte Farmers' As-

Potatoes are Box Butte county's leading cash crop. The value of her potatoes in 1915 is estimated at \$295,020. In other words, the value of the potato crop was approximately as much as the value of the spring and winter wheat, rye, barley and oat crops combined. Hence the importance of the potato crop and its improvement.

There is a need to improve our potatoes so that the growers can pro-

F. M. Seidell, county agricultural of other variety are removed from were conducted in 1915 under authsociation and the Department of Ag-(2). Seed Selection .- Select seed ricultural Botany by the county agent

cent solution of formic aldehyde) in- same. to 30 gallons of water in a barrel or tank. Place potatoes in a gunny sack been disinfected.

PRECAUTIONS .- (1) Be certain that your formalin is full strength and the solution made according to deeper less potatoes are cut and damthe above directions. (2) Treat the aged. A cut or damaged potato is potatoes for the full 2 hours. (3) usually first affected with stores. This solution is not poisonous, and disease. A cut potato is thrown away treated potatoes may be eaten or fed at the big potato markets whether to stock.

or by treating longer or shorter time. ially. In treating with corrosive subfree from dirt. Keep solution stirred paid for same. up. Do not be alarmed because of

Either treatment is effective against disease scab, and all dry rot or bacterial wilt reached by seed best assurance of a good yield of well treatment. Corrosive sublimate is shaped smooth potatoes because they recommended for treating potatoes affected with Stem Rot or Rhizoctonia, which appears as black specks on moisture conserved. the exterior of the potato. disease cuts down production and may reduce stand of potatoes.

In 1915 demonstrations were conducted by the county agent on the farms of the above four 'co-operators to show the value of seed treatment. Very scabby two-ounce seed was used in all cases. Part treated with corresive sublimate and part treated with formalin planted beside untreated scabby seed of the same kind and origin. Average: Untreated, 132.73; Formalin, 158.60; Corrosive sublimate, 166.80. Increased yield by formalin, 25.87 bushels, at 35c. (5) Grading for Market—At all, besides supplying home use equals \$9.05 per acre. Increased

solution is made and used according to the above directions.

FORMIC ALDEHYDE— Pour one pint of formalin (formalin is a 40 per toes true to type and a good yield of

Growers know the type of cultivation generally best adapted to growand keep for 2 hours in the above solution. Spread the treated potatoes out on a canvas or clean floor to practiced it should be done early. A dry. When dry, the potatoes should more level type of cultivation is more be cut and placed in sacks which have applicable here than in sections of applicable here than in sections of more rainfall.

In digging, if more dirt is run over the elevator and the digger run usually first affected with storage at the big potato markets whether diseased or not. Running digger In no case sacrifice strength of sol- deep of course takes more horse ution by making stronger or weaker power and the only question is whether best to use more horse pow-Potatoes must be in solution about 6 er and have less damaged potatoes hours before being damaged mater- or not. Best potato growers of the section handle their potatoes carelimate, potatoes should be relatively fully and state that they are well

The experience of the majority of potato growers in this section is that potatoes when planted on land following corn or a cultivated crop have best assurance of a good yield of well have a good seed bed on land free from trash and normally have more

To the average livestock farmer of this section and considering adaptability to natural condition a crop system that will be fair to all crops and to your potatoes on the basis of 100 acres of farm land exclusive of hay crops is:

Corn 20 acres Small Grain 20 acres Repeating this order your potatoes

follow corn and are planted on the (5) Grading for Market-After all, besides supplying home use the yield by corrosive sublimate, 34.07 aim of the potato grower is to finally bushels at 35c, equals \$11.92 per sell the potatoes. In order to make sell the potatoes. In order to make Residents of Counties Having Irrigathe greatest returns with the potato the same as with live stock, there must be a market demand and the article to sell must conform to the

> in quality and relatively free from disease. The grading for size has been a thing badly neglected in this section. The growers are not al- aska and made a part of Wyoming. ways to blame for this condition, for many unscrupulous buyers have practiced buying ungraded potatoes. Every ungraded car of potatoes shipped out cannot help but cast reflection on the potatoes of this section. According to the Department of

market demand. There is a demand

for a potato of reasonable size, good

Markets, the thing the potato grower must ask himself about the grading of his potatoes is, can he afford to pay himself for grading his potatoes at home or is it cheaper for him to haul off the culls with the good potatoes, pay freight on these culis to the big distributing points, then hire some one to grade and throw away the and pay the dealers rightly a large by the grower, by the lower price he receives for the potatoes.

(6) Storage.—The potato grower who is an average distance from mar- enne tells of the movement: ket on the average year makes very things to take into consideration.

However, it is important that some annexing it to Wyoming. store potatoes so that the market is not flooded at digging time. It is move is made up of five counties, absolutely necessary that the pota- Scotts Bluff, Banner, Kimball, Morper bushel to treat potatoes, allowing toes stored for home seed be stored rill and Cheyenne. They lie within correctly in order to give strong seed. seed trade must be stored correctly (not allowed to heat) so as to main-

tain their vitality.
Potatoes should be stored in disinfected cellars. The ideal storage temperature is from 33 degrees to 45 degrees. It is impossible to mainand fertility. Potatoes should not be tain low temperature where large quantities of potatoes are stored without proper ventilation. Potatoes in storage should not be over four feet from a ventilator. That is, ventilators should be eight feet apart. Natural construction of storage cellar may facilitate in ventilation. Low temperature maintains vitality, prevents early sprouting lowers shrinkage and lessens losses from disease.

> The above outline gives a practical plan for improving Box Butte potatoes and if followed as it is by some growers the potato industry will mean more than ever to Box Butte county.

WHY YOU ARE NERVOUS

The nervous system is the alarm system

of the human body.

In perfect health we hardly realize that we have a network of nerves, but when health is ebbing, when strength is declining, the same nervous system gives the alarm in headaches, tiredness, dreamful sleep, irritability and unless corrected, leads straight to a breakdown.

To correct nervousness, Scott's Emulion is exactly what you should take; its rich nutriment gets into the blood and rich blood feeds the tiny nerve-cells while the whole system responds to its refreshing tonic force. It is free from alcohol. Scott & Bowne. Bloomfield, N. J.

Have Prejudice Against Stoves. Native cooks in Ecuador are prej udiced against stoves, saying the excessive heat produces fever.

Well Children Are Active If your child is dull, pale ,fretful and wants to lie around, the chances are it is suffering from worms. Kickapoo Worm Killer, a pleasant candy appears, and after another application confection, liked by all children, is what your child needs. You only dark, glossy and attractive. give one-half to one lozenge at a time and you get immediate results. Every mother should have a box on and. 25c at all druggists. Adv-No 1



REST MAT IN

USE TOBACCO

And Best Chewing Tebacce

Made is "Old Ken-

tucky" Plug

-CHEW IT!

To get all the wholesome, satisfying taste out of tobacco it must touch your tongue. That means you must chew it. And the most natural form in which chewing tobacco can be made is the plug form.

There's a luscious, fruity flavor in Old Kentucky plug tobacce that sharpens up your appetite.

It's a flavor that not only pleases you through and through, but also comforts your whole system.

Old Kentucky is made of the choicest Burley leaf, in the world's greatest plug factory, and under the most sanitary conditions.

The pure, fresh taste of a chew of Old Kentucky will show you how much real satisfaction there is in chewing.

Get a roc plug from your dealer

WOULD DIVIDE STATE

tion Would Leave Nebraska and Join with Wyoming

Recently agitation has been started in western Nebraska in the countie .. s of Scotts Bluff, Banner, Kimball, Morrill and Cheyenne, where there is much irrigation, to have these counties detached from Nebr-The people of these counties have felt that they have not been given fair and proper attention by the Nebraska legislature in the making of laws governing irrigation and feel that they would get better treatment in Wyoming, which has given much attention to irrigation legislation.

Because of the fact that only comparatively small portion of Nebraska is in irrigated country, the Nebraska legislators have in the past given their time to matters which concerned the eastern portion of the state and neglected the important things of interest to 'he irrigation scabby, cut and odd shaped potatoes portion. If the Nebraska legislature desires to prevent further serious insurance for handling this grade of dissatisfaction and stop the move potatoes? All this is paid indirectly proposed in these counties, it should give more attention during the com-

ing session to irrigation matters. The following dispatch from Chey-

Cheyenne, Wyo .- There is a welllittle by storing his potatoes. Bad defined movement among citizens of roads, danger in long hauls, small the southwest corner of Nebraska, difference in price, shrinkage, freez- adjacent to the state of Wyoming, to ing, and storage disease losses are take steps leading toward the cutting off of a portion of the state and

> The territory embraced in the or tributary to the North Platte valley, and are more or less beneficiaries of the federal government's big North Platte irrigation project. They claim that the state of Nebraska is either unable or unwilling to provide satisfactory irrigation and laws, and are anxious to get into position to take advantage of those in Wyom-

Water legislation is necessary to protect their rights, and repeated efforts have been of no avail.

The territory in question is about 137 miles by 105 miles, and embraees 14,315 square miles, or an area about one-seventh that of Wyoming.

Fair Warning to a Fanatic. Will the fanatical person who pock-Allow as small amount of dirt as eted that bottle of \$2 whisky return possible to be stored with the pota- it at once to the editor of the Northern News with apologies for attempting to perpetrate a joke? Otherwise there will be criminal proceedings .- From the Athabasca Northern News.

SAGE AND SULPHUR DARKENS GRAY HAIR

Grandmother's Recipe to Restore Color, Gloss and Attractiveness.

Almost everyone knows that Sage Tea and Sulphur, properly compounded, brings back the natural color and lustre to the bair when faded, streaked or gray. Years ago the only way to get this mixture was to make it at home, which is mussy and troublesome. Nowadays, by asking at any drug store for "Wyeth's Sage and Sulphur Compound." you will get a large bottle of this famous old recipe, improved by the addition of other

ingredients, for about 50 cents.

Don't stay gray! Try it! No one can possibly tell that you darkened your hair, as it does it so naturally and evenly. You dampen a sponge or soft brush with it and draw this through your hair, taking one small strand at a time; by morning the gray hair disor two, your hair becomes beautifully

Wyeth's Sage and Sulphur Compound is a delightful toilet requisite for those who desire dark hair and a youthful ap-pearance. It is not intended for the cure, mitigation or prevention of disease,







standardize for market so the pota- inheritable character. The latter is able potatoes per acre. toes will be in demand. This will true too many times to risk planting able potatoes per acre.

(3) Seed Treatment.—It is absorbed to the potatoes except in rare cases. compete with other sections. It will A small seed piece will produce a lutely necessary to treat seed to erad-bring to the grower greater returns small vine consequently a lower yield icate potato diseases. Two internal

alone, but all steps are absolutely yield of their potatoes about 75 bush- treatment for potato diseases: necessary in order to make the de- els per acre. sired improvement

standardize for market so the pota-|inheritable character. The latter is ed the yield 72.39 bushels of market-|accounts for some difference in favor and to the consumer greater satis- under normal conditions. Plant noth- potato diseases have been mentioned for labor providing no time is wasted The potatoes stored for the southern ing less than a one-ounce seed piece controllable largely by seed selection. The Box Butte Farmers' Associa- and an ounce and one-half to two Scab and Stem Rot or Rhizoctonia tion has adopted the following pro- ounce seed pieces are most desira- are the common external diseases of ject for the improvement of Box ble. Nothing is gained by clipping the potato. Butte potatoes. This project does off seed end of potato. By hill selnot consider seed treatment, etc., ection Obio Station increased the Botany recommends the following Rotation is essential in controlling

The Department of Agricultural

"Fungicides"

of corrosive sublimate. It will cost approximately 4 cents

for chemicals at present prices and while potatoes are being treated. Any plan (providing the directions are followed) that will facilitate in treating is worthy of consideration. (4) Proper Cultural Methods

potato diseases, maintaining yield red improvement.

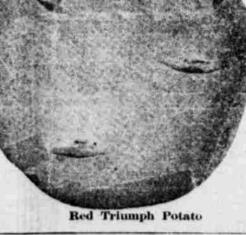
About the most important thing in "CORROSIVE SUBLIMATE. Displanted in the same field oftener than (1). Pure Standard Varieties. — economical production is the discard- solve 4 ounces of corrosive sublim- one year to five. This will allow the



Eureka or Irish Cobbler Potato

In planting one variety after the field. To show the advantage of OUS, AND TREATED POTATOES may live in the soil longer than five planting another be sure all potatoes using clean seed, demonstrations MUST NEVER BE EATEN NOR FED years as a result.

Place potatoes in a gunny sack and in the production of smooth potatoes.



It is important that only those stand- ing of all potatoes affected with dry ate in 2 gallons of hot water. Add greater part of the potato disease to ard adaptable varieties known to be rot or bacterial wilt. These are in- this solution to enough water pure be used for seed. The experi- ternal diseases of the potato. A make 30 gatlons. ence of the growers shows that only very scabby potato, however, well the early varieties are adaptable, shaped, is not a good seed potato, keep for 1 1/2 hours in the above solu- Remember there are two kinds of There is a market demand for the Upon examination of the stem end of tion. Spread the treated potatoes scab: one disease, and the other a reearly varieties of this section. The potato if a brown discolored area apout on a canvas or clean floor to dry. suit of insect injuries. nisect trou-Early Ohio is the standard table var- pears that reaches through the pota- When dry, the potatoes should be ble is largely controllable by proper iety in demand. Bliss or Red Tri- to about one-eighth inch under skin cut and placed in sacks which have rotation. A field that has been idle umphs are in demand for southern it is safe to assume that this is the been disinfected. umphs are in demand for southern it is safe to assume that this is the been disinfected. seed trade. White Eurekas or Cob- bacterial wilt or black-leg disease. A blers, demand varies, are early and wet rot may develop and destroy the the corrosive sublimate in hot water emies to smooth potatoes. good yielders. Three varieties are tuber as result of this infection. use a stone jar or some old pan, as if applied to land should be applied enough for any section.

Both dry rot organisms and black this solution will corrode metal. (2) just after digging potatoes. If appoint allow seed to mix in storing produce characteristic wilting in THIS SOLUTION IS VERY POISON- piled in large quantities, disease scab

PRECOUTIONS: (1) To dissolve more apt to have grubs and other en-

to have disappeared. Land free from trash is essential