

FIGHT PLANT DISEASES

Campaign Planned Against Destructive Maladies.

Special Work Will Be Undertaken to Reduce Epidemics of Black Rust in Spring Wheat Areas—To Improve Storage Methods.

(From the United States Department of Agriculture.)

Destructive plant diseases which annually make heavy inroads into the crops of the country, are to be attacked with renewed energy by the United States department of agriculture. The extended work is made possible by appropriations carried in the food production bill which has just been enacted by congress.

Special work will be undertaken by the bureau of plant industry with a view to reduction of the destructive epidemics of black rust in the spring wheat areas and reduction of the injury from grain smut, especially in the central and western states. The bureau also will place in the field additional expert pathologists to advise country agents especially in the control of destructive diseases of potatoes, beans and truck crops, and will undertake special surveys to determine the causes of injury in regions suffering heavy losses from plant diseases in order that control measures may be undertaken promptly.

In addition to its work for the control of plant diseases, the bureau of plant industry will seek to stimulate the conservation of food products by demonstrating proper methods of storing such crops as may be stored in common storage, by improving the methods of storage, and by demonstrating the drying of farm products.

PLAN FOR GOPHER TRAPPING

Most Effective "Set" for Trap in Main Runway—Twelve-Inch Iron Spoon is Useful.

The most effective "set" for the gopher trap is in the main runway, A, and not in the lateral run, B, that leads to the surface mound. This necessitates the use of two traps per setting, one in each direction; but the results are so much more certain and quicker that the catch per trap per day is greater than where but one trap is set in a lateral run, where it is often filled full of dirt by the gopher. A common stiff-handled 12-inch iron spoon is of great assistance in finding the main run, and in properly placing the trap. This spoon had better be supplemented by a light, short-handled shovel, for the man that is afraid to dig will never get rid of his gophers.



Gopher Trapping.

The freshest mound should be selected and the probable direction of the main run determined by noting the angle of the dirt-plugged hole. The mounds are usually situated one or two feet distant from, and nearly at right angles to the main run.

INFERTILE EGG IS FAVORED

Proper Handling and Marketing by Producer Would Increase Number Quite Perceptibly.

The production of the infertile egg and the proper handling and marketing of eggs by the producer would increase tremendously the number of marketable eggs each year by diminishing the quantity that are rendered unfit for food.

GUARD SWINE FROM CHOLERA

Government Officials Universally Advising That Herds Be Immunized by Vaccination.

In all sections of the United States they are adopting as the best tried out method of protecting the herd from hog cholera, immunizing with the double process; and the officials of the government connected with the live-stock interest are universally advising and insisting that the herds of swine be immunized by vaccination.

Save Everything.

Save everything in the garden and orchard. If there is no sale for produce, can all that is suitable, and feed the remainder to the stock.

Save Peas and Beans.

Save all peas and beans that are not used green. They will be of use during the winter.

Storing Cabbage.

Cabbage may be wrapped in paper and placed on shelves or hung from the top of a root cellar.

SILO ESSENTIALS

The walls must be airtight. The walls must be smooth inside.

The best type of silo is round. The roof should be water-proof.

The materials out of which the silo is built should be strong enough to withstand great pressure.

A silo should be placed as near as possible to the place where the silage is to be fed.

One hundred tons of silage will feed 25 head of stock for 200 days.

A silo 14 feet in diameter and 25 feet high will hold 100 tons of silage.

Any kind of good silo is a valuable piece of property on the farm where live stock is to be fed.

FODDER IS EASILY HANDLED

Illustration Given Herewith Shows Convenient Method Suggested by Nebraska Man.

Fodder may easily be handled in the following manner: Use 2 by 4's for brackets. Bolt the upper pieces to the wagon box and insert the lower one between hound and axle, writes F. Harnly of Odell, Neb., in Farmers Mail.



Handy Fodder Loader.

and Breeze. One-inch piping will do for the truck to work on. Use a small block and tackle, hooked to the front of wagon, to draw the shock over.

GOOD FARM POTATO STORAGE

Bulletin Issued by North Dakota College Describes Building of Cellars and Pits.

A bulletin on farm potato storage has just been issued by the North Dakota Agricultural college. It describes the building of potato cellars and pits that can be made cheaply. There may be greater need of such storage this fall than usual. It may be difficult to secure cars when they are needed, and if digging is delayed for lack of cars, there will be danger of the potatoes freezing in the field. Towns have often taken up the local supply of potatoes, but this year nearly everybody in town has raised enough potatoes for their own use, so that the farmer will either have to store or ship his surplus potatoes. A potato cellar or pit on the farm will also cut out the time that it would take to haul the potatoes to town.

HELPS KEEP DOWN WEEDS

Use of Mower in Pasture Once in While Will Be of Much Assistance in Cow Pastures.

During rainy seasons the weeds often grow very rank in our pastures. The use of the mower once in a while will be a great help in keeping down the weeds, and giving the grass a chance to grow. Weeds give the milk undesirable flavor, and should not be allowed to grow in the pastures.

HOME-GROWN SEED SUPERIOR

That From Many Garden Vegetables Can Be Saved for Next Year, Such Beans, Peas, Etc.

Many garden vegetables which cannot be used may be allowed to go to seed and the seed saved for next year's planting. This is true of beans, peas, lettuce, radishes, squash, pumpkins, endive, spinach, early turnips, etc. Home grown seed which has not mixed in often superior to that bought on the market.

Trim Raspberry Canes.

Trim out old raspberry canes and thin the new shoots so that they do not crowd. Burn all these trimmings at once.

Growing Stock.

Care of growing stock is the most important link in poultry keeping and one which is too frequently neglected.

Send Cockerels to Market.

Ship the cockerels to market when they reach a pound and a half or two pounds weight.

This is a Duplex



THE FOUR-WHEEL DRIVE DUPLEX.

Here's the truck that was built to meet the conditions under which YOU must do your hauling. Here's the truck you don't have to lay up in Winter—the truck that goes through plowed fields and up un-roaded hills like stock take to the range.

READ THIS!

We have been very successful with the Duplex under the condition that the truck must work in this territory, due to the fact that it is exclusively a FARMING district and most of the work is done in the FIELDS, in WHEAT STUBBLE, or PLOWED GROUND.

M. A. Woods put his WHEAT in the warehouse for 2 3-4 cents a sack. Last year it cost him 7 cents a sack with teams. He hauled 11,000 sacks in 23 days, ALL OUT OF THE FIELD; never got stuck and never had to unload during the entire season. His farm is an average hilly one.—Excerpt from a letter from a Duplex owner.

On another occasion the DUPLEX negotiated a 45 per cent grade with 50 sacks of wheat where a TWO-WHEEL DRIVE TRUCK COULD NOT GET UP EMPTY. 4500 sacks were hauled over this road. The hill is three miles long.

Let's hear from you NOW. Give us the chance to show you how we can save you big money.

DEALERS!

There's a little territory still open on the DUPLEX. Live agents, here's your chance to get hooked up with a winner—and with one of the oldest, largest and fastest growing automobile concerns in the Northwest. Mail the coupon today.

NORTHWEST AUTO CO.,

PORTLAND,

Factory Distributors, "The Line Complete."

OREGON

NORTHWEST AUTO COMPANY, PORTLAND, OREGON

Gentlemen: Please send me information about the Duplex four-wheel drive truck:

NAME..... ADDRESS.....

TYPHOID is no more necessary than Smallpox. Army experience has demonstrated the almost miraculous efficacy, and harmlessness, of Antityphoid Vaccination. Be vaccinated NOW by your physician, you and your family. It is more vital than house insurance. Ask your physician, druggist, or send for "Have you had Typhoid?" telling of Typhoid Vaccines, sent from us, and danger from Typhoid Carriers. THE CUTLER LABORATORY, BERKELEY, CAL. PATENTED VACCINES & SERUMS SINCE 1891. U. S. DEPT. LICENSE

MURINE'S Granulated Eyelids, Sore Eyes, Eyes Inflamed by Sun, Dust and Wind quickly relieved by Murine. Try it in your Eyes and in Baby's Eyes. **YOUR EYES** No Smarting, Just Eye Comfort. Murine Eye Remedy At Your Druggist's or by Mail, 50c per bottle. Murine Eye Salve, in Tubes Etc. For Sore of the Eye—From Ask Murine Eye Remedy Co., Chicago.

ALLEN'S FOOT-EASE FOR THE TROOPS. Shaken into the shoes and sprinkled in the foot bath it gives rest and comfort, takes the friction from the shoe and prevents blisters and sore spots. Makes walking easy. Accept no substitute. Sold everywhere, Etc.

CUTICURA IS SO SOOTHING

To Itching, Burning Skins—It not Only Soothes, but Heals—Trial Free.

Treatment: Bathe the affected surface with Cuticura Soap and hot water, dry gently and apply Cuticura Ointment. Repeat morning and night. This method affords immediate relief, and points to speedy healing. They are ideal for every-day toilet uses.

Free sample each by mail with Book. Address postcard, Cuticura, Dept. L, Boston. Sold everywhere. —Adv.

To keep clean and healthy take Dr. Pierce's Pleasant Pellets. They regulate liver, bowels and stomach.

"Is this a dry town?"
"Are you a stranger here?"
"I am."
"It is."—Exchange.

Protecting Your Children

The long, hard school term drains the vitality of growing children and you wonder why they are listless, puny and pale.

Every school child will show marked improvement in health and growth if given

SCOTT'S EMULSION

Its rich, uniform cod liver oil gets into their blood and gives them vim, snap and zest. It creates strength to resist school sicknesses, overcome pinched faces, sallow complexions and dull eyes. High authorities have established again and again that cod liver oil promotes growth and energizes the body and brain.

The imported Norwegian cod liver oil always used in Scott's Emulsion is now refined in our own American laboratories which guarantees it free from impurities. Scott & Bowne, Bloomfield, N. J. 17-15

COMB SAGE TEA IN HAIR TO DARKEN IT

It's Grandmother's Recipe to keep her Locks Dark, Glossy, Beautiful.

The old-time mixture of Sage Tea and Sulphur for darkening gray, streaked and faded hair is grandmother's recipe, and folks are again using it to keep their hair a good, even color, which is quite sensible, as we are living in an age when a youthful appearance is of the greatest advantage.

Nowadays, though, we don't have the troublesome task of gathering the sage and the mussy mixing at home. All drug stores sell the ready-to-use product, improved by the addition of other ingredients, called "Wyeth's Sage and Sulphur Compound" for about 50 cents a bottle. It is very popular because nobody can discover it has been applied. Simply moisten your comb or a soft brush with it and draw this through your hair, taking one small strand at a time; by morning the gray hair disappears, but what delights the ladies with Wyeth's Sage and Sulphur Compound, is that, besides beautifully darkening the hair after a few applications, it also produces that soft lustre and appearance of abundance which is so attractive. This ready-to-use preparation is a delightful toilet requisite for those who desire a more youthful appearance. It is not intended for the cure, mitigation or prevention of disease.