## Rosette Disease of Wheat Is Compared

# Difficult to Tell Accurately

Hessian fly and certain other insect pests. When the trouble is caused by insects, their presence or evidence of their work serves definitely to show the cause of the trouble. Wheat seedlings attacked by rosette disease alone show no evidence of the presence or work of insects, it is pointed out by specialists of the United States Department of Agriculture who have been investigating these wheat maladies,

The first positive indications of the rosette disease become evident early in the spring after the growth of the healthy plants is well started. Plants affected by rosette remain dormant in the spring after the healthy plants commence their spring growth. Infested fields are spotted with irregular patches of dwarfed plants, the leaves of which are dark blue-green in color and are rather broad and stiff. The whole plant has a bunchy, rosette appearance.

When both rosette disease and insect injuries, especially those by Hessian fly, occur together in the spring, it sometimes is difficult to determine accurately the injuries caused by each. As the rosette disease is not apparent in the autumn and as it becomes evident in the spring before the emergence of the adult Hessian fly, there is very little chance to confuse the two maladies during these periods. In the late spring, however, there is a possibility of confusion, especially if plants affected by rosette show, in addition, the spring infestation of the Hessian fly. These matters are discussed in Bulletin 1137, Symptoms of Wheat Rosette Compared With Those Produced by Certain Insects, just issued, and may be secured upon request from the United States Department of Agriculture, Washington, D. C.

# Twelve Good Reasons

for Building a Silo 1. More feed can be stored in a

given space in form of sliage than in form of fodder or hay. 2. A small loss of food material when a crop is made into sllage.

3. Corn silage is a better feed than corn fodder. 4. An acre of corn or kafir can be placed into a silo at less cost than the

same area when husked and shredded. 5. Crops can be put in the silo during weather which could not be utilized for curing fodder or hay.

6. More stock can be kept on given area of land when sllage is the basis of a ration

7. Less wasted in feeding silage than fodder.

Silage is very palatable. Silage, like other succulent feeds, has a beneficial effect upon the diges tive organs.

10. Sllage is the cheapest and best form in which a succulent feed can be provided in the winter.

11. Silage can be used for supplementary pasture more cheaply than can solling crops, because it requires less labor and cattle like sliage better. 12. Converting corn or kafir crops into sllage clears the land and leaves it ready for another crop.

### Use Banding Material to Repel Gypsy Moth

Gypsy moth tree-banding material is a greasy and semi-viscid substance with a tarlike odor, which is being used by the bureau of entomology in its control work against the gypsy moth in New England. This material has been developed since 1915 to replace a German product no longer available, which was formerly used for

Questions have arisen as to whether the odor or the viscidity of the material was the chief element which halted the caterpillars as they tried to get into the trees. The exhalation or odor, it was found on investigation, exercises a restraining influence, but the viscous or physical condition is more important as a barrier factor in the band.

Studies made in connection with the solution of these questions, which have a practical bearing on the development of an efficient barrier, are described in a professional paper, United States Department of Agriculture Bulletin 1142, "The Barrier Factors in Gypsy Moth Tree-Banding Material," by M. T. Smulyan, specialist, bureau of entomology. It may be obtained upon ap plication to the United States Depart ment of Agriculture, Washington,

## Check Weed Injury by Cleaning Grain Seed

A little effort exerted in cleaning seed grain is much more effective than attempting to check weed damage to the crops through control measures after the weeds have had a chance to grow, suggests Matthew Fowlds, instructor in agronomy at the South Dakota State college. The fanning mill is the best means of separating the weed seeds from the seed grain.

New weeds are often introduced by being mixed in with other seed which has been shipped in.

Rotation of crops should be practiced in addition to seed cleaning in a thoroughgoing weed eradication pro-

## Find Salt Effective in Killing Barberry

Chemicals to Play Important

the digging method has been practiced ft was difficult to remove all the roots, especially in rocky ground or around tree stumps. Where even the small-ference in the price of these two est fragments of the roots were not shipments would have meant success destroyed, sprouts have sprung up the following year, necessitating a repetition of the work. In lawns or gardens where a careful watch can be kept of the places from which bushes have been removed, digging is all right, for in a year or two all roots left at the first digging will have sprouted and can be removed.

To make the eradication of the bushes simple and sure, two chemicals have been found by the United States Department of Agriculture to be ef-Department of Agriculture to be effective for use in such places as pastures and wooded lots and along labels and brands are becoming recfences where it is difficult either to dig bushes up completely or to locate the exact spots in a resurvey. Of these two, common or crushed rock salt is very satisfactory. Ten pounds of salt piled on the crown will kill a bush of average size. It should be applied to the bush as dry salt and may be used at any season of the year with success. The bushes either may be left standing or cut down. If left standing, they are easily located and the necessity of re-treatment more easily determined.

## Deadly Turkey Disease

Is Traced to Chickens

Recent research indicates that chickens and turkeys-especially turkeyswill not thrive when raised together within comparatively close quarters and small field range. It has been found that blackhead, which is said by investigators to be responsible for 90 per cent of losses among growing turkeys, may be produced in the poults by feeding them the eggs of a small worm found in the blind gut of chickens. The germ which causes blackhead may and does live in the eggs of the common intestinal worm of hens

"Even turkeys sick with blackhead are not so dangerous to their kind," says Dr. W. A. Billings of the agricultural extension staff, University of Minnesota, "as are common hens or the soil on which the hens are raised, The turkeys should be hatched and raised where they will not come in contact with chickens or chicken yards, for it is possible to produce blackhead in chickens by simply feeding them contaminated soil from a hen yard.

Damp weather and early morning dews do not cause blackhead, according to investigators. This upsets a theory long maintained by some poultrymen. In order to contract the disease the turkeys must get the germ, and the fact is established that they often do get it by eating the eggs of the chicken intestinal worm. Doctor Billings says the way to raise turkeys successfully is to protect them from peeted that a majority will return infection which they get from chickens successfully is to protect them from and chicken yards.

# Green Feed Required

for Summer Feeding There is probably no feed which excels good pasture grass for economical milk production. To be sure, the highest records of milk and butterfat have not been made on a grass ration, but in economy of production, grass

ranks first. Good grass is not available during all of the summer months. Even though the cows are pastured over a large area containing plenty of grass, there are times in late summer when it becomes dry and of poor quality. If milk production is to be maintained, some provision must be made to furnish the dairy cows a green, succulent ration other than grass during such a period. The soiling system has come to be used rather generally in many dairy sections.

## Watch Young Plants Carefully for Bugs the refuges.

Watch young plants carefully for in sects. If aphis appear on cabbage and cauliflower, the infested plants should be removed and the aphis destroyed. If the aphis are wide spread over the plants, they should be sprayed with a nicotine solution. Dust cabbage plants with arsenate of lead to destroy the

# Alfalfa and Clovers

Sources of Nitrogen Red and alsike clover, as well as alfalfa and sweet clover, have been found to supply 75 to more than 100 pounds more available nitrogen for a following grain crop than does a nonlegume, according to one state agricultural college. These legumes are said

## Quality Hides Will Bring Higher Prices

to be the cheapest source of nitrogen.

Exercise the utmost care in removing hides and skins from the careass with the idea of avoiding cuts and scores. Use fresh, clean salt on hides and skins. There is little strength in spent salt and consequently insufficient curing properties. Quality hides bring higher prices.

Exercise the utmost care in removing the utmost care in removing hides and vaudeville that will meet with the approval of both yound and old. The opening play, "Champagne and vaudeville that will meet with the approval of both yound and old. The opening play, "Champagne and Buttermilk," is heavily understant trees.

FOR SALE—IDEAL TRUCK AND the dealer in proved in the approval of both yound and old. The opening play, "Champagne and Buttermilk," is heavily understant trees.

FOR SALE—ONE SET HARVARD (Classics, half price. New. 22 jnel5-29e and Buttermilk," is heavily understant trees.

Kidney Pills for they put the approval of both yound and old. The opening play, "Champagne and orchard. Telephone of the company in other towns.

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The opening play, "Champagne and orchard trees.

For earl number for a year or more, in the carries improvation. I use disken ranch, nine aeres improvation. I use of the company in other towns.

The opening play, "Champagne and orchard. Telephone is scored in the press notices given the company in other towns.

The big tent will be located at gun \$25.00. Call 212 Columbin jnel5p of the carries improvation. I use of the carries improvation. I use of the carries improvation in the press in provation in the press of the carries improvation in the press of the carries improvation. I use of the carries improvation in the press of the carries improvation in the press of the carries improvation in the press of the carries improvation. Exercise the utmost care in removing

# GRADING OF EGGS BRINGS INCREASE IN SELLING PRICE

A Willamette valley farmer, in a A Willamette valley farmer, in a letter to this office, gives a striking example of the results of grading eggs for the market. He has about 200 hens. He shipped two cases of eggs to Portland, filling the cases as the eggs came from the nests, and received 21 cents a dozen, a total of \$12.60. The following week he packed the small, dirty and mis-Harm Caused by Each.

(Prepared by the United States Department of Agriculture.)

The rosette disease of wheat, disparted in Illinois and Indiana in 1919, paign against the common barberry, paign against the common barberry, paign against the common barberry, and received 21 cents a dozen, and received 21 cen he received 21 cents a dozen and for the graded eggs 24 cents a dozen, a total of \$13.95 as com-pared with \$12.60 the week before t the same market price. The difor failure of a commercial egg plant on a large scale.

Two features of the new state

market law for improving marketng conditions are cooperative organizations and standardizing, labeling and grading of products.
California is showing the world what may be done along these lines. It has 33 cooperative organizations controlling from 30 to 90 izations controlling from 30 to 90 per cent of the different products, and the producers are a dominant. power in fixing the selling prices ognized over the nation. Washington is following California's lead with 16 producers' organizations, while Oregon has but 8, none of which are strong enough to have very much influence on market

The Oregon market law gives broad powers to the state market agent in defining his duties. He is empowered to help organize producers' and consumers' organizations and work with them along the

tions and work with them along the lines of markets, distribution, standards, grades, labels, etc.

An organization controlling but 10 per cent of a product would have very little to say about its selling price, but if that organization controlled 80 per cent of production of that product it could dominate the market to the extent of a fair price market to the extent of a fair price o the growers. And the same or ganization, through its own distrib-uting agencies, could eliminate much middle-men profit and expense and lessen the cost to the con-sumer. The legislature clearly contemplated these results in the mar-ket agent law, but it is entirely up to the producers to take the first steps—organization.

#### WILD PIGEONS SAID TO BE DEVOURING CHERRY CROP

With a short crop already pre-With a short crop already pre-dicted, the Lane county cherry out-put this year is being still further reduced by wild pigeons, which are said to be literally swarming into the cherry trees, particularly in the hill orchards of the county. Because the wild pigeon began to disappear a few years ago a law was passed protecting them, and now when the county is again infested with the county is again infested with the birds, the orchardists are unable to protect themselves against the pests

#### NEW BOOTH-KELLY MILL AT WENDLING STARTS TO WORK

The Booth-Kelly Lumber com-pany's new mill at Wendling has begun operation, although a full erew will not be at work until the first of the week. Many of the men who were with the concern men who were with the concern before the old mill was destroyed by fire have scattered but it is ex-

#### JUNCTION CITY MAN IN AUTO WRECK NEAR HERE

A Buick car owned by Glen Wick wire, of Junction City, was wrecked on the highway just north if this city Sunday evening. It seems that the driver failed to make the turn at the point where the approach is being built for the new bridge across the Coast fork and want into being the ditch. Both front wheels were taken off, the windshield was de molished and the ear was otherwise seriously damaged.

#### BABY CHINA PHEASANTS DISTRIBUTED TO REFUGES

Ten coops of baby china pheas ants from the game farm at Eugene were received Monday by the local rod and gun club and were distributed to the game refuges of this section. There were 200 birds a the lot and the hen that hatched the chicks went with each coon Knowles & Graber donated their truck for the distribution and N. J. and Peter Nelson took the birds to

# Send in the News.

If you know of an item or two about it. That's what they in a neighboring city was sent to write up a fire in a residence. Going to the door he inquired for the lady of the house. "She is out," the maid told him. "Are any of the family in?" inquired the seribe. "No, they are all out." "Well, wasn't there a fire here last evening?" "Yes, but that's out too."

# Earwig Not Seen Here Yet.

So far as known the carwig which is caused so much trouble in the castern and northern parts of the state has not yet arrived here. A few have appeared as far south as Corvallis and Salem. Fruit Inspector of the spared no expense in providing company to have. Wanager Jennings has pared no expense in providing component of the state has not yet arrived here. A few have appeared as far south as Corvallis and Salem. Fruit Inspector of the spared no expense in providing components. tor Stewart believes that they are not likely to reach here in any great number for a year or more. The carwig attacks root crops of almost every kind but does not bother fruit trees.

The salem. Fruit Inspection have. Manager Jennings has spared no expense in providing comfort for his patrons and he has made especial effort to secure plays and vaudeville that will meet with the approval of both yound and old.

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# UPULAR PRICE NEEDS HOME NEEDS

Quality ware assures satisfaction in use. Costs no more. Lasting longer. Pleases best. That's what we offer in our Houseware Section.



# Table Cloth

Of snowy white in lustrous fabrics, linen and cotton in good selection of patterns.

72-inch wide mercerized white cotton damask in seven different patterns, priced a yard......\$1.00, \$1.25 57-inch extra heavy thread damask. not mercerized, a splendid cloth for every-day service, yard ..... 64-inch beautiful mercerized colored damask, gold plaid, solid changeable blue, a yard ...

72-inch pure linen mercerized damask, a yard.



# Summer Bedding

Spreads and quilts in lightest summer weights. Better get them now when you'll enjoy them most.

Bed spreads are shown here in a large selection of patterns in both cut corners and plain, hemmed, fringed and scalloped

White spreads priced....\$1.95, \$2.45, \$3.25 up Colored spreads priced......\$5.00, \$6.50, \$7.50

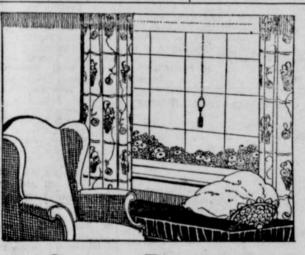
Summer weight quilts, light and fluffy, shown here in sateen and silkaleen covered in dainty patterns, hand tied, with wool



Slips and sheets in best grade goods. New linens make cool beds for hot nights.

42x36 torn and hemmed pillow slips 72x90 linen finish, seamless and hammed sheets \$1.65 hemmed sheets ... 42-inch seamless pillow tubing by the yard, shown in plain soft finish

to linen finish, a yard ..... 35c to 55c 8-4, 9-4, 10-4 seamless sheeting shown here in both bleached and unbleached finish, a yd...55c to 75c 40-inch and 45-inch seamless pillow .35c to 55c tubing a yard.



# Summer Draperies

Cool hangings for sunny windows, in many new patterned materials. Just what you want for hot days.

New yard-wide cretonne pattern over-drapes just shown for first time with valance to match. Must be seen to be appreciated.

Overdrape priced a yard...... Valence priced a yard. 36-inch to 54-inch silk overdrapes in almost a complete

range of wanted shades including green, brown, gold, rose pink, copen blue, raspberry, etc....85c to \$3.50



# Summer Time Towels

Where is the home that does not need more towels in the summer time? Vacation outing trips, swimming days, week-end guests-all require the housewife to provide an extra supply of towels. Here are some excellent values and prices will not be cheaper this season:

18x32-inch colored plaid turkish towels, each. 35c 50c

19x36-inch white turkish towels, double-thread. 22x40-inch white turkish towels, double-thread.

# 36-inch to 40-inch nets and etacolored, priced yd...29c to \$1.25 THE QUALITY STURE- GOOD SERVICE

21x40-inch heavy ribbed turk ish towels, each... 18x29-inch pure linen huck guest towels, each .... .50c 18x36-inch cotton huck guest towels, each.. .25c

Jess Willard, former heavyweight champion, was a hero of the recent flood in the central states. He

The price of raw sugar is going up every day, and the price to begin with was about as raw as the FOR RENT—SLEEPING ROOMS, FOR SALE—TEN MILLION FEET

mine in cream, ecru, white and

36-inch white and colored

serims, priced yd ..... 20c to 45c

# JENNINGS TENT THEATRE.

The above named attraction will WANT TO HEAR FROM OWNER play a one week's engagement in Cottage Grove beginning Monday night, June 18. The Jennings com-pany comes here with the best recommendations from all towns and cities which they have played. Especial stress is laid upon the fact that the show is clean.

The tent used by the Jennings company is a thing of beauty, both outside and in. The seats are comfortable, the auditorium and stage well lighted and the scenery carried to none.

Son avenue, phone 125-5.

WEANER PIGS FOR SALE—J. E. Weakness for a long time and never found anything that helped me unformable, the auditorium and stage creek and Dorena. Notify C. H. Jennings, Dorena, Ore. jnel-15c

STRAWBERRIES FOR SALE—Pills. I was subject to kidney because the property of the property o fortable, the auditorium and stage well lighted and the scenery carried Jennings, Dorena, Ore. by the company is second to none used by a traveling organization. In fact this is as near an ideal

# WANTADS

flood in the central states. He risked his own life to save the lives of others and even to save the lives of dumb animals. Wonder what Jack Dempsey would have done under similar circumstances? Possibly he would have found the propitious for his long-delayed trip to France.

The price of raw sugar is going

The price of raw sugar is going and the price of the

furnished, nice, large, clean rooms.
Would serve breakfast if desired. Mrs. Sarah Kerr, 39 Nellis m25-je15pd

Place.

POR SENT—SLEET NO models from the street of saw timber located one mile from railroad. George Edwards Box 573, Cottage Grove. jne15-29;

traveling organization. WANT TO RENT STOCK AND

FOR RENT-AN 8-ROOM HOUSE

REGISTERED DURHAM BULL loans at 5 per cent interest anfor sale or trade for other eattle.
W. W. Chrisman, Dorena. je8-22pd street, Eugene, Ore.. jnel5tfe

Minneapolis, Minn.

#### BRACE UP!

Do you feel old before your time? WANT TO HEAR FROM OWNER of good farm for sale. State cash price, full particulars. D. F. Bush, Minneapolis, Minn. accowj15p

FOR SALE—75 THOROUGHBRED Plymouth Rock pullets, one year

Plymouth Rock pullets, one year old, and Buff Orpingtons, \$1.25 each. M. F. DesLarzes, east Madison avenue, phone 123-J. jnel-15p E. Banton, London Route. jnel5p E. Banton, London Route. jnel5p Pol Sale J. E. Banton London Route. jnel5p Pol Sale J. E. Banton London Route. jnel5p Pol Sale J. E. Banton London Route. jnel5p Pol Sal STRAWBERRIES FOR SALE—Etterburg variety. Good for canning. Phone 20-F12. jne15p

FOR SALE—CABINET PHONO. graph. Inquire City Transfer office. jne15e

FOR SALE—IDEAL TRUCK AND chicken ranch, nine acres improv.