

Worm Causes Heavier Losses Than Cholera

Biggest Part of the Damage Comes From Wasted Feed.

Swine raisers suffer greater loss from round worms than from hog cholera, according to the department of animal husbandry of the New Jersey agricultural experiment station, but they do not attract so much attention because few hogs actually die from worms. The damage comes from the amount of feed wasted in feeding the worms and the loss of vitality of the animals. Many lung diseases, especially pneumonia, occur as the direct result of worms.

To combat the round worm successfully its life cycle should be thoroughly understood. Six to eight million eggs a year are laid by the female worm in the hog's intestines. The eggs come out with the manure, infecting every particle of food on the surface of the hog lot. They will survive most conditions for at least a year.

The eggs are swallowed by the pig in feeding and hatch in the intestines. The young worms then work their way through the walls of the intestines, and into the liver and blood stream, by which they are carried to the lungs. While in the lungs they may cause "thumps" or heavy breathing. Here they become active, crawl up the windpipe and cause coughing. Some are expelled from the mouth at this time, but most are swallowed and then remain permanently in the intestines.

Several treatments for worms may be followed:

Withhold feed from the hog for 24 hours and give a capsule containing two grains of santolin, three grains of aloin and eight grains of sodium bicarbonate. Do not feed for eight or ten hours after treatment, and then give one to two tablespoonfuls of epsom salts or glauber salts in the feed for every 100 pounds live weight of the hogs. One capsule is sufficient for a pig weighing up to 75 pounds.

If santolin cannot be procured, oil chenopodium, also known as "oil of worm seed" may be used. Four teaspoonfuls mixed with one ounce of castor oil is the usual dosage. The results will be most satisfactory if the oil is given alone rather than with the feed. Each pig should be fasted 24 hours before treatment.

If necessary, repeat the treatment in four to six weeks.

Late Built Houses May Cause Colds and Roup

Many poultrymen are finding that poultry houses built too late in the fall are apt to result in colds and roup.

Before the birds, especially pullets, are put in a new poultry house the floor as well as the lumber used in construction must be thoroughly dry. The essentials of a good poultry house are dryness, as this prevents colds and roup; fresh air, which keeps the birds in good health; sunlight, nature's best disinfectant, and floor space so that during confinement the birds will have room to exercise.

For the best results a poultry house should be built for units of 200 birds. This requires a house 20 by 40 feet. It should face southward and should be located on high dry ground, and where it gets some shelter. Glass windows on the east and west sides with curtain windows in the front will allow all the sunlight and fresh air that the birds require.

Protection of the flock against daily and seasonal changes of weather and climate is the purpose of a poultry house.

High Feeding Value of Buttermilk and Products

The feeding value of buttermilk and buttermilk products, such as condensed or dried buttermilk, is not generally appreciated. At any rate, creameries are unable to get as much out of their buttermilk as its feeding value indicates they should be able to realize. Farmers who live close to the creamery at which they sell their cream sometimes take their own share of the buttermilk back home as a feed for hogs and chickens. They derive much value from the product, provided it is fed in an economical manner. Buttermilk is relatively rich in protein and its protein has a high feeding value because of its animal origin. For that reason, if it is supplied more liberally than it is needed for balancing the grain ration fed, part of it is wasted and, as a result, its full feeding value is not realized.

Pure Strain Selections of Tubers Are Superior

Cornell university plant breeders have found that pure-strain selections of potatoes are much superior to those ordinarily grown by farmers in New York. Plants of the pure strain, developed from a single tuber, produced 48 more bushels to the acre than seed potatoes selected by farmers in a two-year commercial test.

Disposing of Produce to Commission Merchant

Selling to commission merchants is the simplest method of disposing of the produce, as it does away with the expense and trouble involved in a private trade, but the returns are usually not so great, except when dealing with certain commission houses that have built up a fine trade along certain lines.

The Boardman Mirror Boardman, Oregon

MARK A. CLEVELAND, Publisher

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A rainy day Tuesday for a change.

Mrs. Charles McDaniels is visiting in Boardman this week.

Glen Garrett motored to Condon this week with another load of melons.

Mr. Klages and Fred left Saturday for Wenatchee, Wash., where they will help in the apple harvest.

Miss Francis Blayden returned on Thursday of last week from Walla Walla, where she has been the past month.

Kirk Carr and wife of Vancouver, Wash., were visitors at the Leslie Packard home on their way to the Round-Up.

Mr. and Mrs. Kullenger and children of Eagle Creek arrived last Saturday for a visit with Ellis Garrett and family.

Mr. and Mrs. Joe Tharp of Wilhelmina, Ore., moved into rooms in the Dodd building Sunday. Mr. Tharp is employed on the highway.

W. A. Murchie and wife left Monday for Wasco. Mr. and Mrs. Balenger and Maxine motored with them as far as Arlington, returning home on the train.

L. V. Kutzner, who has been doing carpenter work at Astoria, left with Ralph Lamoreaux of Irrigon for Longview, where they will look things over with a view of locating.

The Aid play is progressing nicely but rather slow because of characters not being present at rehearsal. All talking a part should make an effort to be present at every rehearsal this next week.

Mr. and Mrs. Walter Talbot of Walla Walla were guests at the Blayden home on Thursday and Friday of last week. Mr. Talbot brought a load of apples and pears which he sold here. He expects to bring a load of pears down next week.

W. A. Mefford and family returned last week from an extended trip to Wyoming, Colorado and Kansas and other points. They made the trip in the car and report a splendid time. They left here in July, stopping at Yellowstone park enroute.

Mr. and Mrs. Carl McKibbons and three daughters of Greeley, Colo., who accompanied the Meffords from Colorado on their way home, left for Los Angeles, Cal., where they plan on spending the winter. Mrs. McKibbons is Mr. Mefford's brother's daughter.

A delightful surprise party was held at the home of Mr. and Mrs. Earl Cramer Wednesday evening as they are going to leave for Portland soon. There were about 45 present and the evening was spent in playing games and visiting, after which a dainty lunch was served. We are all sorry to see them go and hope they will be able to do well wherever they go.

Walter Meacham spoke Tuesday at the high school on "The Old Oregon Trail," and gave some very interesting data on the famous old path of the pioneers. Mr. Meacham was the man who succeeded in putting across the gorgeous pageant on July 3 and 4 on the top of the Blue mountains which was attended by the late President Harding. He spoke again in the evening.

Last Thursday evening the new bride and groom, Mr. and Mrs. Elmer Marty, were given a noisy welcome to our midst, when they were fettered an old fashioned charivari! The noisemakers were made welcome and treated to candy and cigars, and then all enjoyed some musical numbers. Mr. and Mrs. Marty, Sr., sang together, accompanied on the guitar by their son, Carl. Some Swiss yodeling numbers were especially enjoyed. Frank Cramer delighted the crowd with some good singing. All extended their good wishes to the happy couple and trust they will like their new home. Mr. Marty is associated with his father in the Boardman cheese factory.

Mr. and Mrs. Albert Bonebrake and little daughter, Alice, of Seattle motored here last Wednesday on their way to the Round-Up. Mr. Bonebrake is a brother of Mrs. Tom Miller. At the same time Mrs. Miller's mother, Mrs. C. D. Morey, and daughter, Elsie, of Vancouver came, and Mr. and Mrs. Edward Jones and children, Clarence and Thelma, from Woodland, Wash., friends of the Millers, were here. They all attended the Round-Up on Thursday. Mrs. Miller accompanying them. All left for their respective homes on Saturday.

WANTED—Fresh eggs and chickens. French Cafe, Pendleton. au314f

Boardman Utellem

THIRD YEAR Edited by the High School Students NUMBER 2

Truman Messenger, '24, Editor Katherine Brown, '26, Assistant Editor Edwrad McClellan, '25, Joke Editor

The sophomore class held a meeting Sept. 24th and the following officers were elected: Clara Marcus, president; Howard Packard, vice president; Ray Dempsey, secretary; Ray Dempsey, class editor. The class colors chosen were black and cerise.

Uram Mesenger returned home Sunday, Sept. 25, and left for Corvallis Wednesday night. He is a former graduate of the Boardman high school and is a sophomore at O.A.C.

Miss Johnson, county nurse, and Miss Grace Holmes made a health survey of the grades last Friday. Miss Holmes is a member of the state tuberculosis society. Miss Johnson reports a decided improvement in the school over last year as regards general health conditions, there being but from six to ten per cent that are definitely under weight.

Mr. and Mrs. George Wicklander visited school last Monday forenoon.

Mrs. Rice, teacher of the first grade in Condon, was a guest of Miss Sears last Friday. Together they went by train to the Round-Up.

Mr. and Mrs. Mulkey, Misses Marvin, Hixon and Wolfe motored to the Round-Up Saturday. Mr. Griggs made the journey by motorcycle. All were pleased with the big show.

The teachers' training class which consist of two students, Zoe Hadley and Ida Mefford, are studying from the Manual of the Oregon School Laws, the topic, "District School Boards."

A special student body meeting was held Sept. 20th, for the purpose of appointing committees for initiation and refreshments. (Look out Freshies.)

An assembly was held Tuesday afternoon, the occasion being an address by Walter Meacham of Baker, Ore. After flag salute and singing by the school, Mr. Meacham told the story of the Old Oregon trail in a most interesting manner. Mrs. Warren also gave a short talk on Wells Springs.

Two new students, Ray and Roy Dempsey, enrolled with the sophomore class last Monday.

The freshmen are to be initiated Friday night, Sept. 28th. (So Freshie, prepare for the worst.)

The home economics class of the ninth grade have been learning to can and how to make jelly. They have canned peaches, pears, plums, beans, carrots, tomatoes, strawberries and grapes. The girls brought their own fruit, vegetables and jars from home. The teachers brought apples and jelly glasses, so the girls had a lesson in jelly making.

Mr. Mulkey says that some of us listened so hard up at the lecture Tuesday afternoon that we almost went to sleep.

Norman Bailey, a freshie, by the way, signs his name with the initials, N. B. This of course means "take notice."

Jack Gorham has been in Heppner this week acting as sheriff during the absence of Sheriff McDuffie. On Saturday an abandoned car was reported near Boulder. Finding that the car belonged to a Portland man, Jack drove it to Heppner for safe keeping. Later investigation showed that the owner of the car had been on his way to the Round-Up at Pendleton, and when the car refused to run he left it, expecting to pick it up on his way back. He evidently has never had experience with the numerous borrowers who travel along the highway.

Jess Lower left Thursday for Los Angeles and Fillmore, Cal., to see his father and other relatives. Mr. Lower is reported to be quite sick, but we hope for a speedy recovery.

BUDGET, CITY OF BOARDMAN, OREGON, FOR 1924.

Passed by the Budget Committee and the City Council, Sept. 19, 1923.	
Street improvements...	150.00
Warrants outstanding...	328.35
Interest on outstanding warrants	200.00
Irrigation water and ditches.....	150.00
Recorder's salary.....	50.00
Miscellaneous incidents	121.65
Total.....	\$1000.00

I, Mrs. Margaret Klitz, Recorder of the City of Boardman, Oregon, do hereby certify that the above budget was passed at a regular meeting of the Council and Budget Committee on the 19th day of September, 1923, and that they are carefully prepared and to the best of my knowledge.

MRS. MARGARET KLITZ, Recorder, J. C. BALLENGER, Mayor.

THE QUELLE—A good place to eat in Pendleton.

ANY GIRL in trouble may communicate with Ensign Lee of the Salvation Army at the White Shield Home, 565 Mayfair Ave., Portland, Oregon. se14

Hotel Dorton, Pendleton, is still the house of welcome.

Let us print those butter wrappers.

Dr. A. H. Johnston
Physician and Surgeon
Office phone M 151 Res. M 332
Arlington, Oregon.
Calls answered at all hours
in Boardman Wednesday and Saturday mornings.

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Best place to eat between The Dalles and Pendleton

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H. M. Cox, Cashier Chas. F. Story, Ass't Cashier

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Boardman, Oregon.

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The Eskimo don't care for a little thing like zero wind blowing in his front door. But you are not an Eskimo, and YOU will appreciate the comfort our Metal Weather Strip gives.

Our Metal Weather Strip seals the doors and windows up tight, it keeps the cold wind out and the warm air in. Saves Coal—and keeps out dust.

Prevents the rattle of windows and doors when the cold winds blow.

A dollar seventy-five to two dollars will make the average door or window cold proof.

It's edging on to winter better get ready now.

Repairing Remodeling Building Always get our free Architectural Service.

Tum-A-Lum Lumber Company
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