

**GENERAL VICINITY OF HEPPNER
STOCK-POISONING PLANTS IN THE**

Death Camas Poisoning: 6

Death camas is very likely much more responsible for stock losses in this area than is commonly believed. Hardly one single ranch here does not have a scattered stand of these plants somewhere about. Although it was not observed in 1937 in thick stands it was by no means uncommon. As poisonous plants go death camas stands right with lupine for its deadly effectiveness; the fact that it is sometimes confused with wild onion has even cost some human lives.

In the latter part of spring the plants can be fairly readily recognized with their dense heads of small cream or yellow-green flowers; these flowers appear to have 6 petals, at the base of each of which (on the inside of the flower) there is a small green dot. The flowers are sent up on a shoot anywhere from 6 inches to 2 feet high. They are grass-like in general appearance, the leaves all coming from the base of the plant; there is no sheath around the leaf, however, as in the grasses. These leaves are, in the middle, almost 1/2 inch wide and vary from 1/2 to 1 1/2 feet in length. The bulb from which the plant grows is usually 6 to 8 inches below the ground and, although onion-like, it does not have the onion odor; the outer layers of the bulb are blackish in color. The brownish-colored seeds are found in a three-lobed capsule.

Death camas should not be confused with the edible Camas with its larger, distinctly blue flowers—so common e. g. at Ukiah. There is no relation between the two.

There are various names by which death camas is sometimes known, for example, poison sego, "lobelia," zygodene, poison camas, "wild onion," poison grass, alkali grass, hog potato, sand corn, mystery grass, soap plant and squirrel food. The scientific name of ours is *Zygadenus paniculatus*!

Early in the spring the plant may be confused with grasses, and this fact has often placed the responsibility of death camas poisoning on some other plant. Death camas is usually found in a moist, not wet, soil, but ours is found very frequently in a gravelly or rocky soil.

The seeds of the plant are the most poisonous with the bulb next in order (the latter poisonous to man). Early in the spring, especially, the leaves and stems are very poisonous. The bulbs, of course, are seldom eaten by stock unless it is in the spring when the soil is moist and they can be pulled up easily. The condition, size and susceptibility of the animal, as with all poisonous plants, determines to a large extent the amount of plant material necessary to cause sickness or death. The plant makes its appearance earlier than most of the other herbaceous vegetation, and this accounts undoubtedly for the prevalence of spring poisoning with death camas.

Cases of poisoning are usually with sheep, among which great losses may occur. It is improbable that lambs are poisoned from the ewe's milk, however. Cattle and horses may sometimes be poisoned. Hogs have never been known to die from eating this plant, sometimes even thriving on it. In some cases it causes swine to vomit. Goats are said to be poisoned by it. Sometimes, however, our particular death camas may be quite poisonous to cattle as well as sheep (at least such has been the case in other areas where our plant also occurs).

The plant is poisonous throughout its life, the seeds, mature pods, flowers, leaves, bulbs, roots and young pods being poisonous. It is probably most dangerous in early spring, especially on over-grazed land, because of the lack of any other forage.

The symptoms of poisoning usually appear 1 to 3 hours after the animal has taken a toxic or lethal dose. They may vary with the length of the illness. Slobbering will probably appear first, accompanied by standing "humped up" and showing a lack of appetite. This is followed by an acceleration of the respiratory rate and an increase in depth of breathing. Decided nausea also occurs; this feature of vomiting is oftentimes helpful in that enough of the poisonous dose may be emitted to prevent death. For about the

first 3 hours there is a rise in body temperature which is followed by a fall considerably below normal if the animal enters a state of extended coma. While the animal is in an unconscious state the body temperature, in fatal cases, never again reaches normal.

Previous to this coma animals exhibit weakness, evident in either the hind or fore legs, until staggering and falling, with an inability to rise, becomes common. Convulsions are characteristic at this stage, respirations becoming fewer and labored, accompanied by grunts. The rate of the heart beat is decreased and the pulse becomes weaker. A noise or sudden startling brings forth a nervous response.

Oftentimes there may be a partial recovery during the period of coma so that, although the animal is unable to move, it is able to eat and drink. This is not a true paralysis but is actually a severe case of nervous and muscular exhaustion. Deaths resulting shortly after eating a lethal dose are due to respiratory failure. Deaths resulting after several hours or days of unconsciousness are due to a failing heart and circulation.

Other common symptoms are bloating, restlessness and trembling.

Although there is no remedy applicable to any large number of poisoned animals the early treatment of the following might produce beneficial results in order to save valuable animals. For a hundred-pound sheep administer the following:

1-30 grain (2 milligrams) of Atropine sulfate and 1-8 grain (8 milligrams) of Picrotoxin dissolved in 5 cubic centimeters (1/2 dessert tablespoonful) of clean water to make a clear solution. 50-60 pound lambs take one-half to three-fourths of this dose. A convenient method in the field is to make up a "batch" using 10 times of each ingredient above (making 10 doses for a hun-

dred-pound sheep) and keep it in a tightly corked container. A hypodermic syringe is used to inject the dose under the skin in the region of the shoulder. Unless the animal has eaten a large quantity of death camas 2 or 3 injections not oftener than every 2 hours should suffice.

Bleeding is useless. In many cases if the animals are removed from the poison-infested area and kept quiet they will recover. As a general rule horses will always recover.

As for preventative measures beware of the 14 points, do not herd sheep closely but let them eat openly and loosely and be sure that hay does not contain the plant. Local patches of death camas should be avoided, especially in the absence of good forage. Always remember that death camas is very bitter to the taste and distasteful to both cattle and sheep; they won't eat it unless you force them to it. All sheeplemen should become acquainted with this plant.

BOARDMAN NEWS

Parsons-Shannon Nuptials Reported

By LA VERN BAKER

Miss Hazel Parsons and Norval Shannon motored to Pendleton Saturday where they were married. Mrs. L. Colosso, Mrs. E. Peck, Mrs. L. Uthe, Ernabel Peck and Mrs. Buster Rands accompanied them.

Mr. and Mrs. Edlon Wilson of La Grande visited friends and relatives on the project over the week end.

Dallas Wilson of Portland visited his parents, Mr. and Mrs. Robert Wilson, over the week end.

Vernon Partlow of Goldendale, Wash., and Cecelia Partlow of Portland visited their parents, Mr. and Mrs. Paul Partlow over the week end.

Mr. and Mrs. W. A. Strobel and family of Athena visited friends on the project over the week end.

Miss Elizabeth Slanger of Pendleton spent the week end visiting at the Dickerhoff home.

Esther Jones and Margaret Jones of La Grande visited at the home of Mrs. Blanche Jones over the week end. Mrs. Phil Jones of Hermiston visited there also.

Mr. and Mrs. Al Macomber of Heppner spent the week end visiting at the Nate Macomber home.

The annual Senior Frolic was held Saturday evening. It is sponsored by the juniors for the seniors. A large crowd attended. Music was by the Troubadors.

Miss Barbara Norkoski of La Grande visited friends on the project over the week end.

Jess Allen left Sunday for Portland on business. Don Strobel accompanied him.

Mrs. Glen Carpenter and Zelda of Portland visited friends on the project over the week end.

A group of the Home Ec club women motored to Umatilla Thursday where they attended club at the home of Mrs. Minnie McFarland. A good time was reported by all.

Mr. and Mrs. Royal Rands of Latourell visited at the Buster Rands home over the week end.

Mr. and Mrs. Nate Macomber were shoppers in Pendleton Saturday.

Mrs. Huddleston of Rufus visited friends on the project Sunday.

Mr. and Mrs. Robert Montgomery of Arlington visited on the project Saturday evening.

Bruce Pancake of Halfway visited at the H. B. Thomas home over the week end.

Ray Brown motored to Walla Walla Sunday to take his parents who have been visiting here for the past few weeks, to their home.

Mr. and Mrs. C. Rosland of Arlington visited Mrs. Rosland's mother, Mrs. Grace Tyler, Sunday.

The FFA boys attended a smoker at Hermiston. The smoker as a whole was a draw. Roy Partlow, Ted Wilson and Ralph Skoubo won their bouts. Neal Bleakney, Louis Kobow and Albert Partlow lost their bouts, and Louis McDonald's was a draw.

Magazine Acclaims KOAC School of Air

The KOAC School of the Air, the only radio program in the west maintained on a continuous basis especially for school children, has been given special recognition in the

current issue of Radio Guide magazine.

A full-page illustrated story describes how the programs are prepared and presented and lists the type of service being offered to Oregon schools by this state-owned station. The KOAC School of the Air is now in its third year of being broadcast daily from 11 to 11:30 o'clock.

The program is strongly endorsed by educational leaders of the state and is listened to regularly by some 8,000 students in grade and high schools.

Give G. T. Want Ads a trial.

NOTICE OF SHERIFF'S SALE OF COUNTY PROPERTY

By virtue of an order of the County Court, dated the 14th day of April, 1938, I am authorized and directed to advertise and sell at public auction, as provided by law, the following parcel of land at not less than the minimum price stated and as to terms:

SE 1/4 SW 1/4, Section 15, Twp. 1 S., R. 24 E. W. M. Minimum price \$40.00.

Therefore, I will, on Saturday the 7th day of May, 1938, at the front door of the Court House in Heppner, at the hour of 2:00 P. M., sell said property to the highest and best bidder as stated above.

C. J. D. BAUMAN, Sheriff.

NOTICE FOR PUBLICATION

Department of the Interior, United States Land Office, The Dalles Oregon, April 4, 1938.

Serial 031097

Notice Is Hereby Given, That the First National Bank of Heppner, of Heppner, Oregon, did on April 4, 1938, make application under the Act of March 20, 1922 (42 Stat., 465) to select timber from portions of the following described lands in the Malheur National Forest, Oregon: in T. 15 S., R. 29 E., W. M., Sections 32 and 33; in T. 15 S., R. 30 E., W. M., Sections 8, 9 and 17; in T. 16 S., R. 29 E., W. M. Sections 3, 4, 5, 8, 9, 10, 11, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26 and 35; in T. 16 S., R. 30 E., W. M. Sections 17, 18, 19, 20, 30 and 31; in T. 17 S., R. 29 E., W. M., Sections 1, 2, 11 and 12; and in T. 17 S., R. 30 E., W. M., Sections 4, 5, 6, 7 and 8; in exchange for the following described lands within and adjacent to the Umatilla National Forest, Oregon: in T. 4 S., R. 28 E., W. M., the NE 1/4 SE 1/4 Sec. 21, N 1/2 SW 1/4, SE 1/4 SW 1/4 and SE 1/4 Sec. 22, SW 1/4 and S 1/2 SE 1/4 Sec. 23, S 1/2 SW 1/4, Sec. 24, W 1/2 Sec. 25, E 1/2, E 1/2 NW 1/4, NE 1/4 SW 1/4 and S 1/2 SW 1/4 Sec. 26, S 1/2 S 1/2 Sec. 27, NE 1/4 NE 1/4, S 1/2 NE 1/4, SE 1/4 SW 1/4 and SE 1/4 Sec. 33, NW 1/4 NE 1/4, W 1/2, NE 1/4 SE 1/4 and S 1/2 SE 1/4 Sec. 34, and all of Sec. 35; in T. 5 S., R. 28 E., W. M., Lot 4, SW 1/4 NW 1/4, N 1/2 SW 1/4 and NW 1/4 SE 1/4 Sec. 2, lots 1, 2, 3 and 4, S 1/2 NE 1/4, S 1/2 SW 1/4 and SE 1/4, Sec. 3, lots 1, 2 and 3, S 1/2 NE 1/4 S 1/2 NW 1/4, N 1/2 SW 1/4, SW 1/4 SW 1/4, E 1/2 SE 1/4 and NW 1/4 SE 1/4 Sec. 4, SE 1/4 Sec. 7, S 1/2 NE 1/4 Sec. 8, NE 1/4 NE 1/4, SW 1/4 NW 1/4 and NW 1/4 SW 1/4 Sec. 9, N 1/2 NW 1/4 Sec. 10 and NE 1/4 Sec. 17, Serial No. 031097.

Any and all persons claiming the lands and timber selected, or having bona fide objections to the exchange should file their protests on or before the 20th of May, 1938.

W. F. JACKSON, Register.

NOTICE TO CREDITORS

Notice is hereby given that the undersigned was duly appointed by the County Court of the State of Oregon for Morrow County administrator of the estate of Emil Lundell, deceased, and all persons having claims against the estate of said deceased are hereby required to present the same to the undersigned administrator with proper vouchers at the law office of Jos. J. Nys, at Heppner, Oregon, within six months from the date hereof.

Dated and first published this 7th day of April, 1938.

E. R. LUNDELL, Administrator.

NOTICE OF SHERIFF'S SALE OF COUNTY PROPERTY

By virtue of an order of the County Court, dated the 6th day of April, 1938, I am authorized and directed to advertise and sell at public auction, as provided by law, the following lots and parcels of land at not less than the minimum price stated and as to terms:

Lots 2, 3, 4, 5 and 6 Block M to Royse's addition to the Town of Hardman. Minimum price \$20.00.

E 1/2 of Section 30, Twp. 2

North, Range 27 EWM, W 1/2 SW 1/4, SW 1/4 NW 1/4 of Section 30, Twp. 2 North, Range 27 EWM.

S 1/2 SW 1/4, NE 1/4 SW 1/4, NW 1/4 of Section 20, Twp. 2 North, Range 27 EWM. S 1/2 of Section 25, and NW 1/4 of Section 25, Tkp. 2 North, Range 26 EWM. Minimum price \$1.00 per acre. 20% down and remainder on annual payments. Deferred payments to draw interest at the rate of 6% per annum.

Therefore, I will, on Saturday, the 30th day of April, 1938, at the front door of the Court House in Heppner, at the hour of 2:00 P. M., sell said property to the highest and best bidder as stated above.

C. J. D. BAUMAN, Sheriff.

NOTICE OF ADMINISTRATOR'S SALE OF REAL PROPERTY

Notice is hereby given that pursuant to an order of the County Court of the State of Oregon for Morrow County made and entered on the 6th day of April, 1938, I the undersigned administrator de bonis non of the estate of Maggie B. Cox, deceased, will on and after the 6th day of May, 1938, offer for sale and sell at private sale for cash or credit the following described real property in Morrow County, Oregon, to-wit:

Beginning at a point 148.42 feet West and 50 feet North of the Southeast corner of lot 6 in Block one (1) of Looney's Addition to Heppner, Oregon, running thence West 100 feet, thence North 50 feet, thence East 100 feet, thence South 50 feet to the place of beginning,

all bids will be received by the undersigned at the law office of Jos. J. Nys, at Heppner, Oregon.

Dated and first published this 7th day of April, 1938.

ARCHIE D. McMURDO, Administrator de bonis non.

NOTICE TO CREDITORS

Notice is hereby given that the undersigned has been duly appointed by the County Court of the State of Oregon for Morrow County, administrator with will annexed of the Estate of Emma Whetstone, Deceased, and that all persons having claims against the estate of said deceased are hereby required to present the same, with vouchers duly certified as required by law to said administrator with will annexed, at the law office of Frank C. Alfred, in the First National Bank Building, at Heppner, Oregon, within six months from the date of the first publication of this notice.

Dated and first published this 7th day of April, 1938.

Date of last publication May 5th, 1938.

R. C. YOUNG, Administrator With Will Annexed of the Estate of Emma Whetstone, Deceased.

NOTICE TO CREDITORS

Notice is hereby given that the undersigned was duly appointed by the County Court of the State of Oregon for Morrow County administrator of the estate of Frank M. Lovgren, deceased, and all persons having claims against the estate of said deceased are hereby required to present the same with proper vouchers to the undersigned administrator at the law office of Jos. J. Nys, at Heppner, Oregon, within six months from the date hereof.

Dated and first published this 31st day of March, 1938.

VICTOR A. LOVGREN, Administrator.

NOTICE TO CREDITORS

Notice is hereby given that the undersigned has been duly appointed by the County Court of the State of Oregon for Morrow County, Administrator of the Estate of Francis H. Wilson, deceased, and that all persons having claims against the estate of said deceased are hereby required to present the same with the proper vouchers, duly certified as required by law, to me at my law office in the First National Bank Building, Heppner, Oregon, within six months from the date of the first publication of this notice.

Dated and first published this 31st day of March, 1938.

Date of last publication, April 28, 1938.

FRANK C. ALFRED, Administrator of the Estate of Francis H. Wilson, Deceased.

Want Ads

Chev. coupe for sale or trade for cows. See at Lotus Robinson ranch. 7ptf

Purebred Duroc gilts, to farrow in June, \$15 ea. A. K. McMurdo, Heppner, Ore. 7-8p

Player piano for sale, very reasonable. Write box 292, city. 1tp

Wanted—Hens or fryers. Heppner Market.

Now standing, purebred registered Belgian sorrel roan stallion. Bring mares to ranch for service; have pasturage for mares. Milo Huston, Eight Mile, Ore. 7-8p

For Sale—2 registered Hereford bulls, coming 2's; call Noah Pettyjohn, 9F5, evenings. 7

Gasoline, diesel and stove oil storage tanks. A stock in Pendleton at Portland prices; terms. Beall Pipe and Tank Corp., 1411 Raley St., Pendleton, Phone 1274W. 7tf

For Sale—Setting hens, \$1; also Buff Orpington eggs for setting, 25c doz. Mrs. Homer Green, Eight Mile.

PIANO MUST BE SOLD—We have left on our hands in this vicinity a high grade piano we will sacrifice for immediate sale. Terms \$6 a month. For full particulars address Cline Piano Co., 108 Union St., Seattle, Wash. 7-9

RELIABLE MAN WANTED to call on farmers in Morrow County. No experience or capital required. Steady work. Make up to \$12 a day. Write MR. OVERLAND, 4613 S. Jay St., Tacoma, Wash.

For Sale—Reg. Hereford, 3-yr-old bull. Glenn Farrrens, Hardman. 7-10

For Rent—Large office room on Main St., Lexington, \$5 mo. Key with Elmer Hunt. Mrs. Nellie M. Hill, 31 NW 22nd Place, Portland, Ore. 7

Briquets for sale at Tum-A-Lum Lumber Co.

Floor Sanding—Old floors made new. See us for newest prices. N. D. Bailey or Jeff Jones.

For sale—Baby chicks, Hansen strain W. L., 8c; custom hen eggs, 2 1/4c. Salter Hatchery, Ione. 52tf.