

WHEAT TO MEAT IS HARD TO BEAT

By D. E. RICHARDS

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Wheat is a very satisfactory feed for all classes of livestock and poultry, and compares favorably with corn and barley for fattening purposes. The price of wheat for human need has usually been so high that it was not available as a livestock feed, and a common opinion has grown up that it is not adapted for livestock feeding purposes.

Wheat is a very concentrated feed, often classified by livestock feeders as a "heavy" feed, and for best results in feeding, small amounts should be fed at the beginning, and the amount very gradually increased until the desired amount to be fed has been reached. Wheat, unlike barley and oats, the common feed grains in the West, does not have a hull to act more or less like a "filler" or "shock-absorber", and for this reason for some classes of livestock is not as "safe" a feed as the barley and oats.

Before starting on a discussion of wheat, it may be well to state that wheat is the most variable in composition of any of the cereals—it is profoundly influenced by climate, especially its protein content. Climatic environment and stage of maturity, however, are the most important factors in determining the composition of wheat. Corn, providing the crop is mature, has a very constant feeding value, and its composition is little affected by climatic conditions. To illustrate how wheat is affected by climatic conditions, it has been shown by feeding analyses that while the average crude protein content of wheat from the Northern Great Plains states is 13.5 per cent, wheat from the Atlantic states contains only 11.7 per cent, and from the Pacific Coast states may be as low as 9.9 per cent crude protein.

Wheat contains more protein, and more carbohydrates in the form of starch, but less fat than corn, and the feed analyses of barley and wheat are very similar when grown under like conditions, except the barley has more crude fiber.

Balanced Ration

When wheat is fed with alfalfa hay to either steers or lambs that are being fattened, the ration is near enough to being a balanced ration so that the livestock will make satisfactory gains.

"Smut" Not Dangerous

Wheat that contains a small amount of smut may also be safely fed to any class of livestock. The only objection to the smut is that it is not palatable, and for this reason livestock do not like it, and if the wheat contains a large amount of smut, the livestock will not eat a sufficient amount to thrive.

Frosted Wheat O. K.

Often, frosted wheat or shrunken wheat is available as a feed, and if so, it is very high in protein, and will usually produce slightly faster gains for fattening any class of livestock than good milling wheat. This shrunken or frosted wheat is usually softer than milling wheat, and this tends also to make it more palatable.

Wheat Not a New Feed

The feeding of wheat by commercial feeders or experiment stations is not a new venture. Forty-seven years ago, in 1892, the Oregon Experiment Station published a bulletin on "Pig Feeding", and in the summary of the results of some feeding trials, Mr. H. T. French, the agriculturist, made this statement: "Barley is the most valuable grain for feeding purposes, and comes nearer corn in point of its fattening value, than any other grain unless it is wheat."

In 1895, a second bulletin on steer feeding was published, giving the results of fattening some steers on wheat as the only grain ration, as compared with some grain mixtures. The author states:

- "The gains per day with steers fed wheat will compare favorably with those made by feeding corn."
- "The results of feeding wheat indicate that there may be as good returns realized here as in localities where corn is used as the principal grain feed."

Remember these observations were made in 1895.

Feed Whole to Sheep

In feeding wheat to young ewes or to lambs, it is always best to feed the wheat whole, that is without rolling, grinding or soaking. In fact, when lambs are being fattened, if the wheat is ground it is less palatable than the whole wheat, and the lambs will not eat a sufficient amount of it to make satisfactory gains. When offered to the lambs whole, however, they like it, and like to do their own grinding, and will eat a sufficient amount each day to make rapid gains. Furthermore feed lot lambs need the exercise obtained from grinding this whole wheat. One lot of lambs at the experiment station being fattened on wheat and alfalfa hay last year, consumed up to two pounds of whole wheat per head per day, and made rapid gains with no lambs going off feed, or showing signs of digestive disturbances.

Ground for Old Ewes

In the case of old ewes, however, it is best to have the wheat ground or rolled.

Replacement Value

When wheat is fed in limited amounts for wintering purposes to either sheep or cattle, then one pound has the equivalent or replacement

value of about 2½ pounds of alfalfa hay. This is when the wheat is fed in limited amounts in connection with hay or pasture.

Rolled or Ground for Cattle and Hogs

When wheat is fed to either cattle or hogs, best results will always be obtained if the wheat is rolled or ground. If ground, it should not be ground too fine for steers, for if so, it tends to form a pasty mass in the mouth and stomach, and may cause digestive disturbances. Finely ground wheat also tends to get "floury," and is not relished by steers.

For Fattening Cattle

Under Eastern Oregon or other similar conditions, rolled or coarsely ground wheat fed with alfalfa hay is a satisfactory ration for fattening beef cattle, either steers or baby beefs. Wheat will give almost exactly the same results as barley when fed to the same class of cattle, and in the same amounts.

Here in Eastern Oregon, when fattening weaner calves and converting them into fat baby beefs, about 1000 pounds of wheat fed with some 1700 pounds of alfalfa hay for a feeding period of about 150 days will change a 400 to 500 pound calf into a prime market animal, weighing 700 to 800 pounds.

In fattening yearling steers, it required a little more hay—about a ton to 2500 pounds, but the 1000 pounds of wheat (coarsely ground or rolled) fed with it will make a prime steer good enough to "top" any coast market—providing, of course, the steer was a good average feeder when put in the feed lot, and of good breeding and quality.

Wild Stories

"Stories" drift around that wheat is not a good feed, not even a "safe" feed for fattening cattle. These stories are mostly true and based upon facts, but it is most always the manner in which the wheat was fed, and not the wheat alone. To explain some of these common stories and try to suggest a remedy, we will begin with the most common, in that wheat causes "scours" when fed to cattle that are being fattened. When cattle are being fattened on wheat fed liberally on long alfalfa hay, then the cattle eat mostly the leaves and fine stems of the long hay, and this along with the wheat may cause "scouring." If the same hay is "chopped" or "hammered," so that the cattle eat a mixture of hay, leaves, stems, and all, then this trouble does not appear.

Wheat for Swine

Feeding wheat to fattening livestock can be summed up by saying that with steers, wheat is practically equal to barley; for lambs, it is slightly superior to barley; and for hogs, it seems to be equal or superior to any grain.

SUMMONS—CIVIL No. 635

In the District Court of the United States for the District of Oregon. UNITED STATES OF AMERICA, Petitioner, v. WILDA SIEGMUND, a single woman; MAE HICKSON and ROBERT E. HICKSON, her husband; NORA ZIMMERMAN and WALTER J. ZIMMERMAN, her husband; LLOYD BARZEE and VELMA BARZEE, his wife; WAITE C. CRAWFORD and MABEL E. CRAWFORD, his wife; MORROW COUNTY, a municipal corporation; JOHN DAY IRRIGATION DISTRICT, a public corporation; the unknown heirs of C. W. Barzee, deceased, and also all other persons or parties unknown claiming any right, title, estate, lien or interest in the real estate described in amended petition for condemnation herein, Defendants. To the defendants Lloyd Barzee and Velma Barzee, his wife, the unknown heirs of C. W. Barzee, deceased, and also all other persons or parties unknown claiming any right, title, estate, lien or interest in the real estate described in amended

petition for condemnation herein: IN THE NAME OF THE UNITED STATES OF AMERICA: You and each of you are hereby required to appear and answer the amended petition for condemnation filed against you in the above-entitled case within four weeks from the date of the first publication of this summons, and if you fail so to appear and answer, the petitioner, United States of America, for want thereof will apply to the court for the relief applied for in its amended petition for condemnation filed herein, to-wit: That the above-entitled court make such orders and judgments as may be necessary (a) to ascertain and fix the amount to be awarded as just compensation for the taking, condemning and appropriating to the United States of America the fee simple title to the following described lands in Morrow County, Oregon: SE¼ of Section 23, Township 2 North, Range 24 East, Willamette Meridian, consisting of 160 acres, more or less; and (b) to ascertain and determine the parties entitled to such just compensation and make just distribution of such just compensation among those entitled thereto.

This summons is served upon you pursuant to an order of the Honorable James Alger Fee, Judge of the above-entitled court, made and entered in the above-entitled action on the 3rd day of November, 1941, by publication thereof for four successive weeks in the Heppner Gazette Times, a newspaper of general circulation in Morrow County, Oregon, published at Heppner, Morrow County, Oregon, and designated by the above-entitled court as the newspaper most likely to give notice of the pendency of this proceeding. The date of first publication of this summons is the 6th day of November, 1941.

CARL C. DONAUGH, United States Attorney for the District of Oregon, J. MASON DILLARD, Assistant United States Attorney, F. P. KEENAN, Special Assistant to the Attorney General, and BERNARD H. RAMSEY, Special Attorney, Department of Justice, Attorney for Petitioner. P. O. Address: 506 U. S. Court House, Portland, Oregon.

NOTICE OF SALE OF COUNTY PROPERTY

By virtue of an ORDER OF THE COUNTY COURT, dated November 18, 1941, I am authorized and directed to advertise and sell at public auction at not less than the minimum price herein set forth:

The West Half of the West Half of Section 34, Township 2 North, Range 25 EWM for the minimum price of \$1.00 per acre. 20% down and balance on contract.

THEREFORE, I will on the 20th day of December, 1941, at the hour of 10:00 A. M., at the front door of the Court House in Heppner, Oregon, sell said property to the highest and best bidder.

C. J. D. BAUMAN, Sheriff, Morrow County, Oregon.

NOTICE OF SALE OF COUNTY PROPERTY

By virtue of an ORDER OF THE COUNTY COURT, DATED October 27, 1941, I am authorized and directed to advertise and sell at public auction at not less than the minimum price herein set forth:

The North Half of the Southwest Quarter of Section 15, Township 4 North, Range 25 E. W. M. for the minimum price of \$300.00 cash.

Lots 5, 6, 7, and 8 in Block 7 East and Lots 1 and 2 in Block 14 East all in Section 19, Township 5 North, Range 27, E. W. M. for the minimum price of \$110.00. 20% down, balance on contract.

Lots 5, 6, 7 and 8 in Block 7, Sperry's second Addition to the

City of Ione, Oregon, for the minimum price of \$150.00, cash. Tracts Nos. 17 and 18 of the City of Ione, Oregon, for the minimum price of \$110.00. 20% down, balance on contract.

Lots 1, 2, 3 and 4 in Block 3, Cluff's 7th Addition to the City of Ione, Oregon, for the minimum price of \$110.00, cash.

Tracts Nos. 10 and 11A in the City of Ione, Oregon, for the minimum price of \$105.00. 20% down, balance on contract.

THEREFORE, I will on the 29th day of November, 1941, at the hour of 10:00 A. M., at the front door of the Court House in Heppner, Oregon, sell said property to the highest and best bidder.

C. J. D. BAUMAN, Sheriff, Morrow County, Oregon.

NOTICE OF SALE OF COUNTY PROPERTY

By virtue of an ORDER OF THE COUNTY COURT, dated November 7, 1941, I am authorized and directed to advertise and sell at public auction at not less than the minimum price herein set forth:

The Southwest Quarter of the Northwest Quarter of Section 18, Township 4 South, Range 25 E. W. M. for the minimum price of \$40.00, cash.

Lot 12 of Block 2 of Looney's Addition to the City of Heppner, except the West 113.5 feet, for the minimum price of \$300.00, cash.

Lots 1 and 2 in Block 3 of the City of Boardman, Oregon for the minimum price of \$50.00, cash; or if bid is raised to over \$100.00, 20% down and balance on contract.

THEREFORE, I will on the 13th day of December, 1941, at the hour of 10:00 A. M., at the front door of the Court House in Heppner, Oregon, sell said property to the highest and best bidder.

C. J. D. BAUMAN, Sheriff, Morrow County, Oregon.

NOTICE OF HEARING OF FINAL ACCOUNT

IN THE COUNTY COURT OF THE STATE OF OREGON FOR MORROW COUNTY.

In the Matter of the Estate of John Harrison, deceased.

THE UNDERSIGNED having filed her final account and report as administratrix of the above entitled estate,

NOTICE IS HEREBY GIVEN that the County Court has fixed Monday the 15th day of December, 1941, at 10 o'clock A. M. in the County Court Room in the County Court House in Heppner, Oregon, as the time and place for hearing and settling said account and any objections that may be filed thereto.

Dated this 7th day of November, 1941.

PEARL E. HARRISON, Administratrix of the Estate of John Harrison, deceased. RANDALL & PERRY, Attorneys for Administratrix, Pendleton, Oregon.

NOTICE OF FINAL ACCOUNT

Notice is hereby given that the undersigned executrix of the estate of Barney McDevitt, deceased, has filed with the County Court of the State of Oregon for Morrow County her final account of her administration of said estate and said Court has set Monday the 8th day of December, 1941, at the hour of 10:00 o'clock A. M. of said day at the County Court room at the Court House in Heppner, Oregon, as the time and place for hearing objections to said final account and the settlement of said estate and all persons having objections thereto are hereby required to file the same with said Court on or before the time set for said hearing.

Dated and first published this 6th day of November, 1941. ANNIE SMITH, Executrix.

Want Ads

Telephones bought, sold and repaired; new or used. W. L. McCaleb, phone 1375, 9 So. Chase St. 38-41p.

For Sale—Holstein and Guernsey milk cow, with 4 weeks old calf, heavy milker, 5 yr. old; also 2 doz. large Rhode Island and Buff pullets; sweet potatoes, 15c (small); cranberries 15c. Charles Renoe, upper Rhea creek. 1t.

FOR SALE—Registered polled Hereford bull, 1½ yr. old. Nelson Bros., Lexington. 36-39p.

FOR SALE—1933 Chev. sedan. Phone 462 or G-T office. 35tf.

Wood sawing anywhere any time. Chauffeur service your truck, car or mine. Used car parts, lights. I have a little of everything, just name it. Max Schulz, Heppner.

FOR SALE—Young canary, good singer. Inquire at G. T. 31tf.

LIVESTOCK MARKET now open at Echo, Ore. Cas handle all kinds of cattle. I. A. Witten, Box D, Echo, Oregon, phone 111. 27-34p. tf.

New or Used Office Machines sold, serviced or rented. Leave word at Gazette Times office. 12tf.

I will winter one hundred cattle reasonable. Plenty grass and hay. J. E. Craber, Heppner, Ore. 33tf.

Chicks hatched to fill at the date you want them. Suddarth Hatchery, Irrigon, Ore. 10tf.

Want 100 cords 16-in. wood cut. W. H. French, Hardman.

PETER PUBLIC—Luncheon Musicale



By F. O. ALEXANDER