

DAIRY TALK

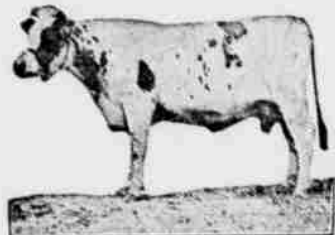
FOOD REQUIREMENTS OF COW

Results Given of Studies of Department of Agriculture and Purdue University.

(Prepared by the United States Department of Agriculture.)

Bessie is one of the champion consumers of the universe, according to results of studies of the United States department of agriculture and Purdue university in the neighborhood of Forter county, Indiana, where Uncle Sam kept tab for two years on the food requirements of about 308 cows that were producing market milk for Chicago. As cow living expenses have increased proportionally to those of the human family, these results are notable as an index to which the average dairyman or the owner of a family cow can refer in "doping out" the menus and amounts of feed which his animal or animals require.

The grand average maintenance and production ration for the good grade cow yielding about 7,000 pounds of



If Bessie is to Yield a Bountiful and Persistent Yield She Must Be Fed Adequately and Well.

milk a year included 2,046 pounds of grain, as well as 3,301 pounds of hay and corn stover, 7,276 pounds of silage, and 720 pounds of straw for bedding. The average cow required a little less than 1½ acres of good pasture to furnish grazing for six months of the year. To keep her in proper condition and to milk and feed her regularly required 164½ hours of human labor, as well as 162 hours of horse labor to haul the milk.

The studies in Indiana showed that the annual overhead charges for Bessie aggregated \$27.11, inclusive of the interest, depreciation, and taxes on buildings, cattle, and equipment, as well as miscellaneous expenses, such as provision and maintenance of cans, pails, dippers, shovels, forks, scoops, lanterns, and the like, medicine and veterinary costs, fly sprays, gas engines, windmill and milk wagon repairs, and similar items. The cost of bull service, tuberculin-testing expenses, and cow-testing dues are also included.

The tests show that a calf crop of approximately 87 per cent is usually raised, so that each cow is credited with the production of 0.87 of one calf, as well as the providing of 0.8 tons of manure, which is hauled to the fields as fertilizer.

Massed together under one roof, the grain and coarse feed which Bessie will eat in one year would fill a small barn. Generally speaking, high production of milk is closely associated with a large and healthy cow appetite, and the dairyman who closes his accounting records at the year's end with the maximum net return is the man who provides the greatest variety and a proper mixture of the goodies of the cow world for the bossies of his herd according to their individual production and capacity.

CHEAP FLY PAINT FOR COWS

Formula Given by Expert of Kansas Agricultural College—Apply It With Brush When Cool.

It is often cheaper and easier to buy the mixture rather than make it for a few cows, but if you want to make it yourself here is the formula as given by George A. Dean, professor of entomology in the Kansas Agricultural college:

For cattle use two parts of pulverized resin, one part of soap shavings, one-half part of water, one part of kerosene, one part oil of tar, one part fish oil, three parts water.

In making this boil the resin, soap and one-half part of water until the resin is dissolved and then add the three parts water, oil of tar, kerosene and fish oil, and boil well for 15 minutes, being careful to keep the mixture well stirred. Put it on with a brush when cool. In using this mixture it will be necessary to make an application every day for two or three days, and after this once every three or five days is sufficient.

DAIRY FACTS

BETTER LIVE STOCK DESIRED

Authentic Incidents Related Showing What May Be Expected From Improved Methods.

(Prepared by the United States Department of Agriculture.)

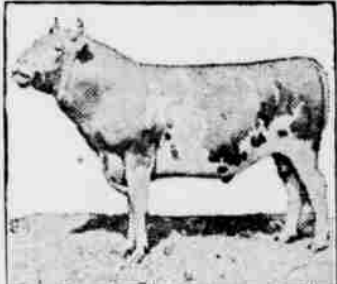
The following authenticated incidents are cited by the United States department of agriculture in its "Better Sires—Better Stock" campaign to show what American farmers and stockmen may expect through improved methods of breeding and handling animals.

One Cow Equals Five.—A New Jersey boy was influenced to buy a high-grade cow for \$150. The cow on freshening gave 24 quarts of milk and kept it up for a long period. The father owned five cows, the average for the neighborhood. They were fresh in the spring. Their product did not equal the product of the cow owned by the son—five times the labor and five times the feed, in comparison with one good cow.

High-Class Bully Beef.—An Oklahoma farmer had two registered Short-horn yearling bulls that he priced at \$100 each for breeding purposes. A butcher saw the bulls, asked the price, but learned that they were registered and that it would take \$100 each to buy them. He bought them, killed them, and stated that they were the cheapest cattle he had bought for some time, because they cut the better kinds of beef and more of it.

Valuable Stock—Valuable Offspring.—In several counties of North Carolina more purebred live stock has been purchased during the past year at the higher prices which have prevailed than in any other year. Hogs were never so high, and yet hundreds of boys bought purebred pigs at high prices with the expectation of selling their offspring. Through the county agents many hundreds of pigs bred by the boys have been sold at good prices and this is stimulating the extension of purebred hogs.

Better Poultry—More Meat.—In a southern community, following the introduction of well-bred poultry for breeding, there was noticeable im-



Only Good Bulls Should Head a Herd.

provement in the size of the next generation of the fowls. The average weight of the birds marketed was 25 per cent greater than previously, according to the observation of an experienced poultry buyer.

LIVE STOCK NOTES

Keep the pigs warm and dry.

A dry pen, with plenty of straw is a pig's idea of paradise.

•This is the season of the year when a persistent effort had better be directed to ridding hogs of mange and lice.

It is an almost invariable rule that a bull which is given free range in a pasture with the herd of cows is not safe and grows less so every season he runs loose.

DAIRY COW AS SOIL BUILDER

Farmer is Beginning to Recognize Value of Animal on Farm Where Fertility Is Low.

The farmer who lives on a farm on which the soil has become slightly depleted in the past few years is beginning to study fertility and recognizes the value of the dairy cow not only as a soil producer, but a soil builder as well.

DEDICATION EXERCISES

Boardman, Oregon, Community School

THURSDAY, FRIDAY, SATURDAY, MARCH 4, 5 AND 6, 1920.

YOU ARE CORDIALLY INVITED

Program

Thursday, March 4

9:30 to 10:45 Irrigation—H. K. Dean, Experiment Station.

10:45 to 12:00 Farm Crops—W. S. Carpenter, O. A. C. Home Economics—Miss Lane, O. A. C.

12:00 to 1:00 Luncheon.

1:00 to 2:00 Farm Management—R. V. Gunn, O. A. C. Home Economics—Miss Lane.

2:00 to 3:00 Dairy—E. B. Fitts, O. A. C. Home Economics—Miss Lane.

7:30 p. m. Piano solo—Miss McNeil.

Vocal Duett—Mr. and Mrs. Pinnell.

Lecture—"Americanization"—John C. Almack, U. of O. Piano duett—Mabelle Gurrard and Ishmael Hendricks.

Friday, March 5th

9:30 to 10:45 Club Work and the Farm—H. C. Seymour, O. A. C.

10:45 to 12:00 Fertilization of Desert Lands—Carpenter.

1:00 to 2:15 Silos and Silage—E. B. Fitts.

2:15 to 3:30 Crop Rotation—Carpenter.

Home Economics during the day as arranged by Miss Lane.

Saturday, March 6

9:30 to 10:45 Cattle Raising on the Small Farm—E. B. Fitts. Home Economics—Miss Lane.

10:45 to 12:00 Sheep and Hogs on the Small Farm—Carpenter.

1:00 p. m. OREGON PRODUCTS DINNER. Everyone who can bring a picnic basket.

7:30 p. m. GENERAL SCHOOL ENTERTAINMENT.

Marjorie Daw and Kathleen Kirkham in "Arizona."

Marjorie Daw and Kathleen Kirkham have become inseparably identified with Douglas Fairbanks' pictures, because of their having played in all of his current productions.

They play important female roles in his elaborate screen production of "Arizona" by Augustus Thomas, which will be shown at the Star theater next Sunday.

Marjorie Daw plays "Bonita" and Miss Kirkham is seen as "Estrella." Both these parts have been played by famous actresses on the stage and Misses Daw and Kirkham feel highly complimented at being selected to play these roles respectively in the screen production. Mr. Fairbanks plays "Lieut. Denton," a part admirably suited to his dashing personality.

Theodore Roberts plays "Canby"; Frederick Burton, "Colonel Bonham"; Frank Campeau "Kellar" and Raymond Hatton "Tony."

Fake Cannery Project Basis of Excellent Story for Ince-Paramount Star.

Isn't that a typical Ray title? "String Beans"! And it is also quite appropriate for the efforts of a sharper to swindle a gullible lot of farmers with a fake cannery project for beans is the basis of the story, which will

be seen at the Star theater on Tuesday. It is a Thomas H. Ince picture released by Paramount. These facts, coupled with the declaration that Charles Ray is to star and that sweet little Jane Novak is his leading woman—ought to attract record crowds. There is a fine cast, and the story is one of those real country town dramas with lots of humor and human interest and a great character role for Charles Ray.

Mrs. Walter Cason returned Wednesday from a brief visit with her mother, Mrs. Hale in Ione.

J. R. Jackson and son Dave were Heppner business visitors on Wednesday.

FOR SHERIFF

To the Democratic voters of Morrow county: I hereby announce that I am a candidate for the nomination of sheriff, subject to your will and decision at the primary election to be held in May, 1920. If nominated and elected I will conduct the office upon strict business principles.

C. B. SPERRY, Ione, Oregon.

FOR CLERK

To the Republican voters of Morrow county: I hereby announce that I will be a candidate for the nomination of the office of county clerk, before the primary election to be held in May, 1920.

J. A. WATERS (Incumbent.)

Conversation Overheard on Main Street.

"Say, John"

John—What's on your mind, George?

George—Do you know you have a first class Battery shop right here in Heppner?

John—No, I didn't know that.

George—Well, you have. Why not let him look after your Battery wants and be convinced?

John—Is he the man that sells the Battery with the 2-year guarantee?

George—Sure, that's the fellow.

The Battery Electric Service Station

"JOE" W. FRITSCH, The Battery Man.

Phone 83

Heppner, Oregon

STAR THEATER

Douglas Fairbanks in "ARIZONA"

Coming Sunday, March 7th

Millions have seen this great Western drama. Cramped by three walls, it packed theaters year after year the country over. Imagine its thrills now, with all outdoors for its stage! And for its hero, DOUGLAS FAIRBANKS.

Monday, March 8th, Dorothy Phillips

WILL BE HERE IN

"Paid In Advance"

From the story of "The Girl Who Dared," by James Oliver Curwood.

Charles Ray in "String Beans"

Tuesday, March 9th

A Plow-boy who wanted to be a poet. Come and see Charles Ray in his best.

Home Builders!!

YOUR OPPORTUNITY IS HERE

I have long since believed that one of the first and most necessary requisites for the upbuilding of a community is good wholesome water. Now that Heppner proposes to supply this factor, and having often been requested to sell building sites out of my East Side property, I have concluded to put it on the market for sale in lots and blocks, and the plat is now nearing completion under the supervision of Mr. S. C. Martin, a Civil Engineer of wide experience.

The tract is easily accessible, has a fine view and its subdivision makes it desirable as home sites. One of these days you will want a home in Heppner. Why not buy a lot now when it can be had at a reasonable price, on very easy terms, and in what is surely destined to be a most beautiful residential district.

If you have never walked up on the hill do so now. You will be surprised at the beauty of the location with a view scarcely anticipated, Mt. Hood being clearly outlined in the distance. Candidly, I am surprised and much gratified at the easy grades possible to reach the property, as worked out by Mr. Martin, who is on the ground, and who will be pleased to give any information concerning the plat.

Perhaps it is not entirely out of place to say that in platting this property I am as much interested in making it a beautiful home site as I am in the profit that may be realized, but I do not want any one to buy unless they feel it will be profitable to do so. Nevertheless, I have no hesitancy in saying that in my opinion, before you have made your last payment, under the liberal terms I propose to offer, the lots will have greatly enhanced in value.

Watch this space for subsequent information.

J.W. Morrow

Better Shoes for Men

That's what the O'DONNELL SHOES are.

They wear longer and look better.

You will find them in all the standard lasts and patterns here.

Work shoes or dress shoes—we can fill your wants here and repair that old shoe for you.

NEW SHOES SOLD—OLD SHOES SOLED

We give special attention to mail orders in our repair department. Satisfaction guaranteed.

C. M. BOWERS

SHOE SHOP

Main Street

Heppner, Ore.

Stephen M. Irwin

GATES HALF-SOLE TIRES
Authorized Service Station

VULCANIZING

Gilman Building

Heppner, Oregon