

DAIRY

SKIM MILK RATION FAVORED

Greatest Gain in Weight Made When Calf Is Fed Large Quantities in Daily Ration.

How much skim milk should be fed to calves daily?

Results obtained thus far at the dairy division experiment farm, Beltsville, Md., indicate that calves will make the greatest gains in weight when fed comparatively large quantities of skim milk daily (one-fifth of their body weight, or all they will drink), but that the most economical gains are made on smaller quantities.

In an experiment to determine the effect of feeding various quantities of skim milk, 16 calves were divided into groups of four calves each. These groups were balanced as nearly as possible with reference to breed and body weight at birth. One group was given a daily ration of one-seventh of the body weight, the quantity being regulated by body weights taken every ten days. Two other groups were fed at the rate of one-sixth and one-fifth of their body weights; and the fourth group was given all the milk the calves would drink, twice a day.

Each calf received its mother's milk until it was ten days old. The chance to skim milk was then made gradually, and at the age of fifteen days the calf was on an entire skim milk ration. The experiment ran for 70 days. Weights obtained for three consecutive days, at the end of the 70-day period, were taken as the final weights. The average results from each group are given in tabular form:

Rate of feeding	Daily gain, lbs.	Milk per pound gain, lbs.
Group 1 (one-seventh of body weight)	0.96	12.53
Group 2 (one-sixth of body weight)	1.09	16.59
Group 3 (one-fifth of body weight)	1.26	20.96
Group 4 (all they would drink)	1.48	24.22

The groups were well balanced as regards weight and thrift of the calves. The gains increased with the quantity of skim milk fed, the calves which received all they would drink making gains at least 50 per cent larger than those receiving milk at the rate of one-seventh of their body weight. To do this they drank about 80 per cent more milk. As a consequence the skim milk required for one pound of gain was greater with the heavily fed calves.

No bad results from heavy feeding were noticed, although all of the calves



Heavy Skim Milk Rations, It Has Been Found, Are Beneficial for Calves.

In group 4, with one exception, drank, at times, more than 40 pounds of skim milk a day. This leads us to believe that overfeeding is not in itself a common cause of scours.

TO PREVENT TAINTED BUTTER

Churn Must Be Kept Sweet and Clean at All Times—Small Brush Quite Convenient.

If proper care is not exercised in keeping the churn sweet and clean the butter will be tainted, no matter how well the milk and cream have been cured for before churning begins. A small brush is a convenient article to use about the churn, as it is somewhat difficult to clean the corners and joints with a cloth and it is these that hold particles of milk and cream and make breeding places for microbes.

BULL OF GREAT IMPORTANCE

Because of Extensive Influence on Herd Animal Should Be Best Breeder Can Purchase.

A cow is the dam of but one calf in the herd, but a bull is the sire of all the calves. Because of his extensive influence on the herd, the herd bull should be just as good as the new breeder can possibly afford to buy. In fact, the price of the herd bull should be of far less consideration than the price of the cow. The buyer should not be satisfied with a cheap bull, but when he pays a good price he should buy a good bull.

DAIRY NOTES

Love for your work is the key to your success. Learn to love your cows.

The season of the fly pests, which make life miserable for stock during the summer, is on.

If it pays to raise calves at all it pays to feed and care for them from the day they are born.

THESE HUSBANDS

By GEORGIA HARRIS.

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Mrs. Bobs surveyed the unlighted house with suspicious eyes and lighted lamp and, upon finding the back door locked, drew forth her latchkey with as much vengeance as an angry warrior drawing his sword from its scabbard.

"Nine o'clock and no Bobs," she muttered angrily, as she switched on the kitchen light. "This is very strange—" She stopped suddenly and threw up her hands in dismay.

What a sight greeted her! Dishes—dishes—dishes—even to her Dresden china filled the sink. Mrs. Bobs breathed a wrathful sigh as she suddenly thought of Bobs' last letter to her.

"Getting to be a regular house-keeper," he had written, "stay at home every night . . . never go out . . . hope you are having a good time . . ."

"Good time, indeed!" sniffed Mrs. Bobs, fairly bristling with indignation, as she strutted into the dining room. Here another sight confronted her and she looked about the room in consternation. Newspapers were strewn everywhere.

So perturbed was her state of mind that Mrs. Bobs forgot her reason for coming home. After a moment of reflection, however, she decided that things looked very serious, for the all-important fact stood out clearly: She had returned home unexpectedly and Bobs was not to be found. Considering that his letters stated very emphatically that all his evenings were spent at home, things looked very suspicious.

In spite of this she tried to take an optimistic view of the situation, as she sat gingerly on the edge of a dusty chair. After all, she mused, she had been foolish to spoil her hard-earned vacation just because that horrid Mrs. Hastings had insinuated such mean things. Women could be so catty when talking about other women's husbands. Perhaps at this very minute Bobs was enjoying a quiet evening with mother. She darted for the telephone with a confident smile.

When mother's surprised voice told her that Bobs had not been over that evening, and in the same breath wanted to know the reason for the unexpected return to the city, Mrs. Bobs found a ready excuse in sweetest of voices, but she hung up the receiver with vehemence, as suspicion began to take root again.

Distrust came to stay as Mrs. Bobs with anger gleaming in her eyes turned off the lights and sat in the shadow of the curtained window to await the vagabond's return.

As the hall clock dolefully chimed the hour of one, in imagination she arrived at the conclusion of the divorce trial.

When at 1:30 there was still no sign of the truant husband, Mrs. Bobs finally dragged herself up the stairs and opened the bedroom door with a heavy heart. Mechanically she turned on the light and looked about the room with a choking sigh, which was followed by an outburst of unrestrained weeping. However, when her eyes rested upon the bed astonishment overcame her grief, and she stared fascinated. Fully dressed, except for collar and tie, with shoes on white coverlet, lay Mr. Bobs peacefully sleeping.

With a bound she was over to the bed, kissing the tiny bald spot on his head again and again.

"What's the row? What's the row?" he mumbled drowsily, blinking his eyes in sleepy amazement.

"Oh," she answered lightly, giving him a little hug. "I just got worried about you, so I decided to come home, and have been watching for you for hours. Then I got worried and thought that something terrible had happened—an er—er—accident, you know," she finished lamely and a guilty blush suffused her face.

"Just like my own girl," Bobs answered, patting her affectionately on the cheek, his face beaming with pleasure.

Mrs. Bobs hung her head in shame for a moment, then suddenly exclaimed:

"But, honey, you have all your clothes on!"

"Well," Bobs replied, now thoroughly awake. "I was going to do a little housework, and thought I'd be down for a stretch before starting. Guess I must have fallen asleep."

"Now," she said, very solicitously. "I am going to make you a bit of lunch this very minute. You just lie down and I'll bring it up to you."

Bobs gazed after her retreating figure. Suddenly he sat upright and fumbled in his pockets with a perplexed expression upon his face, as if trying to remember something, until finally he found a crumpled note.

With a rueful smile he glanced over the contents of the note.

"We are counting on you," it read. "for another big time tonight. Eight-thirty at the same place—and we won't get home until morning. There's a little still—Tra La. The Gang."

Sighing heavily, he picked up an alarm clock that should have rung at 7:30.

"Can't depend upon you to wake a fellow up when he's trying to 'catch up' on a little sleep," he soliloquized, studying the clock intently. "I missed a good party because you weren't on the job that time." Bobs turned to see Mrs. Bobs, her face wreathed in smiles, standing in the doorway.

New Meaning of "Intrigue."

The latest verbal importation from France that I have had occasion to remark is no more than the conferring of a new meaning upon an old word. In English "to intrigue" has always meant to plot surreptitiously, whereas in French it was always used (by extension) to indicate the state of puzzled doubt in which we may find ourselves when we have reason to suspect a surreptitious plot. It is now passing over into English, so that we may read in the light stories that run

through our magazines, "she intrigued me," meaning that she pushed me, and not meaning that she involved me in an intrigue. This latter secondary meaning will probably force itself into our yielding Anglo-Saxons, and we shall have hereafter the privilege of employing "to intrigue" in either of two different intents. I doubt if this will be to the profit of the language; but protest is idle, since the fate of a novelty always depends upon its ultimate usefulness.—Brander Matthews in Harper's Magazine.

WIRELESS IN THE POCKET

Small, Cheap Apparatus That Is Really a Marvel of Ingenuity, Costs Only \$5.

It is now possible to pick up a wireless message from any of the big stations within reasonable distance in this country with the aid of an ordinary umbrella, a patent pocketbook and a telephone.

The umbrella will act as the aerial, the pocketbook contains a miniature receiving set, and, of course, the telephone must be a high-resistance instrument.

It has even been possible, inventors of the pocket receiving set say, to use an ordinary bedstead as an aerial.

You must not expect with this simple installation to get in wireless touch with Paris, Berlin or Moscow, but if you want the mild excitement of picking up messages from a home station within reasonable distance you must follow these directions:

Take your umbrella with you and the pocketbook, select a nice lofty position, and having earthed one corner of the pocketbook—say to a water pipe or something equally damp and handy, hold your umbrella out at

arm's length. There should also be a telephone handy, and it would be more convenient to use the headgear worn by telephone operators.

Having rigged yourself out as a human wireless station all you have to do is to listen. You will be as a rock in a wireless sea with invisible waves of understanding running down the stick of your umbrella.

It is claimed for this pocket receiving set that it is comparable in sensitivity to the most expensive and elaborate tuner on the market.

The cost of the pocketbook is about \$5.—London News.

BENEFITS OF SILAGE ACIDS

Fermentation of Feed Has an Important Diabetic Value—Keeps Bowels Regulated.

The acidity of silage caused largely by the formation of lactic acid by the fermentation of the feed has an important dietic value, regulating the bowels and checking undesirable putrefactive processes in the intestines. The favorable influence of silage on the health of animals has been commonly noted, and is probably due to the silage acids.

THUNDERSTORMS SOUR MILK

Theory Held by Many People, but Authorities Attribute Trouble to Other Causes.

The season for thunderstorms is at hand and a good many farmers' wives will be concerned about the souring of the milk. The theory is held by a good many that thunder will sour the milk, but authorities say the souring should be attributed to other causes.

They say that the souring is caused normally by the acidity which results from bacterial growth and sterilized milk will not sour during a thunderstorm. Neither will milk that is kept on ice. The probable explanation lies in the fact that during the storms of this kind the temperature is raised sufficiently to favor the multiplication of the milk-souring bacteria where the temperature is not regulated by the use of ice.

RIGHT CARE OF COW'S TEATS

One of Most Delicate and Troublesome Parts of Animal's Anatomy—Influences Milk Flow.

One of the most delicate and troublesome parts of a cow's anatomy is the teat, and the keeping of this right has a lot to do with the milk-yielding part of the cow. The cow is kept to produce milk, and the teat is, as it were, the "neck" through which it must pass, and the condition of the teat must very much influence both the quantity and the quality of the yield.

Maternity Home.

I have arranged to take a limited number of maternity cases at my home in east Heppner and assure the very best of attention and care to all patients.

For full information write or phone Mrs. G. C. Aiken, Heppner, Ore. Box 142. Phone 395.

Superior Quality

The superior quality of the MAJESTIC RANGE over ordinary cook stoves was clearly and conclusively demonstrated at our store during the past week.

THE LITTLE EXTRA COST

in price of this super-stove is soon saved by its economy in fuel, food and repairs—and it outlasts three ordinary stoves.

Don't just buy a stove—BUY A MAJESTIC RANGE.

We Have It, Will Get It, Or It Is Not Made.

Gilliam & Bisbee

Odd Fellows Attention.

PENDLETON'S PRIZE DEGREE TEAM

will confer the First Degree for Willow Lodge No. 66

SATURDAY, NOV. 13th, 1920.

Each lodge of Morrow County will furnish one or more candidates for the work. Every Oddfellow, whether a member here or elsewhere is invited to be present. Will each local member bring a well-filled lunch basket.

25 Suitings

AT

Greatly Reduced Prices!

These Suitings are of highest quality and excellent designs. Come and get yours before the other fellow gets it.

Satisfaction guaranteed in all our Cleaning and Pressing work

Heppner Tailoring & Cleaning Shop

Main St. G. FRANZEN Heppner

Make housework a pleasure!

Every woman enjoys housework if nicely painted floors, neat woodwork and attractive furniture give her half a chance to keep them neat and clean.

That's why she insists upon the timely application of B-H Paints and Varnishes. They bring back the new appearance and make possible the "something accomplished" feeling which makes the day's work worth while.

See that the Bass-Hueter label is on the can that you buy! There is a special B-H product for every use— all easy-spreading, long-lived; made especially to meet Pacific Coast climate and conditions.

Come in today and let us help in your selection.

B-H

Paints & Varnishes

DISTRIBUTORS:

Peoples Hardware Co.

Star Theater

FRIDAY NOV. 12 FRIDAY

Catherine Calvert in

"Fires of Faith"

and a two-reel comedy.

SATURDAY, November 13, SATURDAY

Frank Keenan in

"Master of Men"

And a Pathe Review

SUNDAY, November 14, SUNDAY

Enid Bennett in

"The Virtuous Thief"

And Paramount Magazine

MONDAY, November 15, MONDAY

Jack Dempsey and Ruth Roland in two live serials—also comedy and news weekly.

TUESDAY, November 16, TUESDAY

A screen classic featuring Bert Lytell in

"The Right of Way"

This is a soul stirring romantic drama of the Canadian Northland.

Coming WEDNESDAY, NOVEMBER 17

The greatest Comedy hit of the day

"Up In Mary's Attic"

A rollicking, roaring riot of mirth and merriment. Don't miss this clever, hilarious, comedy drama. You will never forget its sunshine and happiness—its great human appeal—its uproarious humor.

Stove time NOW

THE experienced householder does not wait until zero weather to know that it is time to look to stoves for the home. Cold days will come—just as certain as Christmas, so why not select now while lines are complete and deliveries assured?

Stoves for the Living Rooms; Stoves for the Kitchen

Peoples Hardware Co.