Livestock and Dairy

Facts About Care of Farmers' Feeders and Aids to Greater Milk Production.

SILAGE is the main reliance of dairy farmers in many sections for cow feed, since it has been found to be particularly well adapted as feed in this connection.

While silage is an excellent feed for dairy stock, it should be combined with some other leguminous feed, such as clover, cow peas, or alfalfa, owing

to its insufficient productive quality. The leguminous material will tend to correct the deficiencies of the silage in dry matter, protein, and mineral constituents. A ration of silage and, say, alfalfa hay alone is satisfactory, however, only for cows which are dry or giving only a small amount of milk and for heifers and bulls. Cows in full ning of his calfhood. milk require some concentrated feed in addition to hay and silage, as they can not consume enough of these feeds to keep up a large flow of milk and maintain body weight.

Experience Is Guide.

The amount of silage to feed a cow will depend upon the capacity of the animal to consume feed. She should be fed as much as she will clean up without waste when consumed along with her hay and grain. Raise or lower the amount until the proper quantity is ascertained. Generally speaking, a good cow should be fed just short of the limit of her appetite. If she refuses any of her feed it should be reduced at once. The small breeds will eat 25 or amounts varying between.

Ironclad directions for feeding cows and the calf should be dealt with from closure sufficient to keep under concan not be given. In general, however, the start gently, yet firmly, but never trol a vigorous pure-bred Jersey bull they should be supplied with all the in a teasing or bantering way. He of about 1,700 pounds' weight. roughage they will clean up with grain in proportion to butterfat produced.

The hay will ordinarily range be

tween 5 and 12 pounds per cow per day when fed in connection with silage. For Holsteins 1 pound of concentrates for each 4 pounds of milk pro-duced will prove about right.

For Jerseys 1 pound for each 3 pounds of milk or less will come nearer meeting the requirements. The grain for other breeds will vary between these two according to the quality of milk produced.

A good rule is to feed seven times as much grain as there is butterfat pro- about one half as much as mature duced.

Rations Found Good. The following rations will be found

For a 1,300-pound cow yielding 40 pounds of milk testing 3.5 per cant: Pounds. Glover, cowpea, or alfalfa bay 10 ter part of the summer and early fall 40 10 At this season the pastures are often Grain mixture For the safe cow yielding 20 pounds short or dried up, and in such cases of 3.5 per cent milk: Clover, cowpea, or alfalfa hay _____ Grain mixture For a 900-pound cow yielding 30 dairy practice damands that the milk pounds of 5 per cent milk: Pounds. Clover, cowpea, or alfalfa hay _____ 10 ply some feed to take the place of the .. 11 grass. The easiest way to do this is by Grain mixture ... For same cow yielding 15 pounds of means of silage. Silage is cheaper and ... 30 g upon the condition of the pastures, Clover, cowpes, or alfalfa hay 5 varying all the way from 1d pounds to Grain mixture Good Mixture.

sort of leguminous hay is composed of: the amount of siluge fed the greater if you want-Parts. must be the amount of protein in the Corn chop 2 ance the ration. Wheat bran . Linsoed-oil meal or cottonseed meal. In case the bay used is not of this kind some of the corn chop may be re-

a ration which includes silage and some

placed by lineced or cottonseed meal. In many instances brewers' drawl many instances brewers' dried grains or erushed outs may be profitably substituted for the bran, and the tendency to bread mutton types a oftentimes gluten products can be used to advantage in place of bran or oil the price is going apward accordingly. meals.

The sime to feed silage is directly fine woul available at present. The after milking or at least several hours London auctions indicate higher process for fine wool. fore milking the sitage odors may pass through the cow's body into the milk. Besides, the milk may receive some aerial by four will give its wave length taints directly from the stable air. On approximately.

Handling Dairy Sire Needs Care

John Underwood Gives His Ideas on Methods Necessary to Keep Bull in Order.

BY JOHN UNDERWOOD.

THEN the raising of good dairy cattle is to be taken into con-sidenation the bull is the better half of the herd. In a majority of cases this animal seems to possess and is disposed to exercise a head of his own and, consequently, needs careful management and control from the begin-

I am not sure but that even beyond this period thought should be given to his ancestry in order to possess a knowledge of the traits of character and disposition likely to be developed

later manifest itself in the young animal and in selecting the one to head the herd this should be carefully guarded against. One special requirement in handling the bull is with reference to his early, thrifty growth and the same. proper development.

Feed and Care Essential.

essential in order that a decent and and a strong plank fencing gate pro-30 pounds per day; the large breeds 40 well proportioned animal may head the tected with barbed wire on the inside, or more; and the medium-sized ones herd and one that will likely leave a which completes the arrangement. I good impress on his posterity.

the other hand, if feeding is done sub

sequent to milking, the volatile silnge

odors will have been thrown off be-

fore the next milking hour. Silage is

Feed Calves Silage.

they are old enough to eat it. It is

perhaps of greater importance that the

silage be free from mold or decay when

given to calves than when given to

mature stock. They may be given all

the silage they will eat up clean at all

times. Yearling calves will consume

stock; that is, from 15 to 20 or more

with some good leguminous bay, little,

if any, grain will be required to keep the calves in a thrifty, growing condi-

One of the most trying seasons of

the year for the dairy cow is the let

is a common mistake of dairymen

let their cows drop off in flow of milk through lack of feed. Later they find

it impossible to restore the milk flow.

no matter how the cows are fed. Good

flow be maintained at a high level all

the time from parturition to drying off.

It becomes necessary, therefore, to say

decidedly more convenient to use than

a full winter feed of to pounds. It

should be remembered in this connec-

centage of protein, so that the greater

supplementary feeds to properly bal-

Interest in Wool.

A pronounced feature of the weel

A good grain mixture to be used in tion that silage contains a low per

When supplemented

Calves may be fed silage as soon as

usually fed twice a day.

pounds a day.

should be taught to be handled quietly, to be easily haltered and led by the time he is a yearling, and a good ring should be put in his nose to aid in his complete control.

When old enough for service he should not be allowed to run with the other cattle, but be kept in a substantially fenced field or lot. The latter is the best, and can be provided in a reasonably cheap and effective manner.

Own Method Told.

My own method is to have a lot consisting of about two acres inclosed with a four-foot wire fence substantially put up on good, well-set posts, the A vicious ancestry either on the part posts extending eight or ten inches of the sire or dam will likely sooner or about the top wire of the woven fence, which is put on the outside of the posts. On the inside of the posts a barbed wire is placed about six inches above the top of the women wire fence, and one also about eight inches below

In nearly every case this will be a sufficient safeguard against fence throwing or breaking out. The lot is Good feed and good care are quite well provided with water and shelter find in my own case this kind of in-

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