

DAIRY AND CREAMERY

GOOD DAIRY RATINGS.

Cows Should Be Fed In Accordance With Their Milk Production.

Professor C. H. Eckles of the Missouri station is a wise counselor on matters pertaining to dairying. He has made a close study of the question of compounding dairy rations, and his advice is well worth heeding. In a recent press bulletin he points out that good and economical dairy rations are based upon corn silage and some legume hay, such as clover, alfalfa or cowpea. If these are plentiful the feeding problem is much simplified. A good grain ration to go with these is corn, four parts; bran, one part, and cottonseed or linseed, one part.

Corn, even at the present high price, is the cheapest source of digestible food.



The cow herewith pictured, Irene's Cherry 26823, has earned the title of world's champion senior two-year-old Jersey. She went on test at two years and eleven months of age and in 36 days produced 12,967.7 pounds of milk, containing 169.37 pounds of fat. This exceeds the record which was made by Lad's Lady Riotress Irene, the former champion.

Cottonseed meal, distillers' grains, brewers' grains and linseed meal are the cheapest sources of protein. A mixture of corn and cottonseed meal alone would not be a good ration, as it is too heavy—that is, it forms a sticky mass in the stomach, which the digestive juices cannot penetrate easily. Bran, dried beet pulp or brewers' grains are the best feeds we have to lighten a ration. For this reason one of these is nearly always included in the ration fed heavy milking cows requiring liberal grain feeding.

The most difficult question to decide this winter is how liberally one can afford to feed dairy cows. As a general rule, feeding a cow to near her capacity is the most economical. If the farmer goes to the expense of maintaining the cow it is not economy to fall to make use of her productive ca-

fully. A good rule for practical feeding is to give the cow as much roughage, silage and legume hay as she will eat clean, then feed in addition one pound of grain to each three pounds of milk for a Jersey and one pound of grain for each four pounds of milk from a Holstein.

A dairy cow should be in good condition at time of calving. The amount of milk she gives when fresh usually shows her capacity. She should then be fed enough to support this milk production. A cow that does not have the inheritance to give more than twenty pounds of milk daily cannot be made to give forty by liberal grain feeding. However, the cow that starts giving forty pounds will not continue to do so long unless sufficient feed is given to furnish the raw material for this much product.

It is not economy to feed all cows the same amount of grain. They should be fed in accordance with their production. A heavy grain ration given a light milking cow fattens her, but does not increase her milk beyond her ordinary limit.

Silage For Dairy Bulls.

There has been some disagreement among dairymen relative to the effect of feeding silage to bulls in service. It is generally agreed, however, that feeding large quantities of silage does have a detrimental effect in making the bull sluggish and lowering his worth as a breeder. We advise therefore that not more than ten to fifteen pounds be fed per day.—Hoard's Dairyman.

Temperature of Milk For Calves.

Under natural conditions milk consumed by the young calf has a temperature of approximately 100 degrees. It has been found by experience that a slight variation from this temperature may cause indigestion. Especially is this true with calves under two months of age. The chief point is uniformity in the temperature of the milk at all times.

DAIRY WISDOM.

- Too much cannot be said about the way in which cows should be treated in the stable. Be generous and kind to the heifers. They will repay you as soon as they become cows. When unpedigreed cows sell for \$120 at public sale the wisdom of saving the heifer calf becomes self evident. If possible water should be supplied to cows in the stable. The increase in yield from a herd of cows would quickly repay the expense of a covered barnyard, where the herd can rest and take some exercise through the day.

Modern Farming

GEESE EASY TO RAISE.

Birds Are Not Subject to Disease and Thrive on Pasture.

Turkeys and chickens are more subject to disease than geese, and, besides, the geese are productive for many years, writes a correspondent of the Iowa Homestead. One rarely ever sees any ailment among a flock, and they will obtain most of their living from "green stuff" during the spring, summer and autumn. Then the feathers from the mature geese, which may be plucked about every six weeks during the warm months, are quite an item. The big, soft feather beds and pillows



WHITE EMERALD GEES.

which may be seen in every farmer's home where there is a flock of geese kept streak by themselves. Besides there is a good market for all surplus feathers and also for the fat, which is purchased for many Christmas, New Year and other special dinners.

The young geese, as well as the old ones, will thrive when kept on green pasture. The eggs which they produce are large and rich and find a ready market. Hence the farmer who keeps a large flock of geese will make a good profit. Geese will begin to lay by the last of February or the first of March. A neighbor who still raises geese never allows the mother geese to incubate her own eggs. The eggs are set under chicken hens, allowing six or eight eggs to each hen, according to the size of the hen. After hatching the young goslings are not fed anything for a day

and night, but are allowed to remain quietly in the nest. After this water is placed before them, and they are fed breadcrumbs mixed with charcoal which has been pulverized. Young goslings will eat green stuff almost from the beginning, as grass is their natural food; grass and other vegetation is chopped up finely and fed to them plentifully. The goslings are kept sheltered from rain and cold until they are strong enough to overcome these evils. When they are fully feathered they, with the mother hen, are placed inside the pasture, where they will need but little more attention except to provide them with plenty of water.

BANISH CATTLE PESTS.

Method of Treatment to Eradicate Lice on Farm Animals.

This is the time of year when lice begin their worst work. Live stock, especially calves and colts, suffer torments and grow thin and rough looking when much of their grief is due to the unchecked ravages of lice. Many a cow has struggled through the winter trying to furnish milk and feed an army of crawling, blood sucking pests besides.

Lice can be got rid of without much expense or labor. The sheep clips on the market mixed to a strong louse solution well warmed and sponged on to the animal, going the wrong way of the hair, will do the business.

Don't just dampen or wet the animal in a few places, but soak every inch thoroughly. Do this in the sunshine on a warm day and provide shelter until dry.

Repeat again in ten days and wash managers, posts and rubbing places around buildings with the same solution.

Currants.

The stalks may be quickly removed from currants by well flouring the hands and rubbing the currants as hard as possible between them. This takes much less time than picking separately and is quite as effective.

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Patriotism.

In peace patriotism really consists only in this—that every one sweeps before his own door, minds his own business, also learns his own lesson, that it may be well with him in his own house.—Goethe.

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