

QUESTIONS AND ANSWERS.
Miscellaneous.

RATION FOR MILK PRODUCTION.

Kindly give ration by which I can produce the most milk. Have plenty of corn stover, roots, and grain (barley and corn). H. M. R.

Ans.—The best ration for milk-production cannot be compounded from the foods named. All except the mangels are much too "wide" in their nutritive ratio, so that any combination that might be suggested would be too abundant in carbohydrates and too scant in proteids. Even though enough of the meals were given to supply sufficient protein to meet the needs of a cow milking heavily, the ration would still be objectionable as too fattening in its tendency, while the cost would be excessive. It will pay well to sell a portion of the barley and corn, buying bran and oil-cake meal instead. Good old-process oil-cake meal is an economical milk-producing feed at \$36 a ton. We would then suggest the following ration:

| Kinds of Feed. | Quantity per day consumed. | Digestible | | |
|----------------|----------------------------|------------|----------------|----------------|
| | | protein. | carbohydrates. | ether extract. |
| | | Lbs. | Lbs. | Lbs. |
| Corn stover... | 15 | .255 | 4.860 | .105 |
| Mangels | 40 | .440 | 2.160 | .040 |
| Barley | 2 | .174 | 1.312 | .032 |
| Corn | 2 | .156 | 1.334 | .086 |
| Oil cake..... | 2 | .586 | .654 | .140 |
| Bran | 2 | .244 | .784 | .054 |
| | | 1.855 | 11.104 | .457 |

Nutritive ratio, 1:6.54.

While the amount of corn fodder consumed is estimated roughly at 15 pounds, it is understood that the cows are to have all they will eat. The above ration is not a particularly heavy one, nor is it quite perfectly balanced, but, having regard for the circumstances, it should prove economical, and give fairly-satisfactory results.

MOLASSES AS STOCK FOOD.

1. Is syrup good for horses or cattle?
2. How much to feed every night?
3. Will it injure or hurt the wind of a horse in any way?
4. How much linseed oil would it be good to feed each horse at night?
5. What grade or kind of syrup would you feed to stock?

E. F.

Ans.—1. Molasses has been fed to cattle in the Old Country to a limited extent for a number of years. Also in Texas it has become one of the staple stock foods. In Texas, cane molasses could be got, a very few years ago, for 6 cents per gallon, in barrels. It is doubtful whether it could be obtained at profitable prices in this country. Beet molasses is a different article from cane molasses, not so safe to use. Molasses is essentially a fattening and heat-producing food, containing no digestible protein worth while. While small quantities may exercise a favorable influence on condition and health, it is not a very profitable feed to use largely, except in conjunction with some highly nitrogenous ration like cottonseed meal and hulls. At the Texas Experimental Station, it was found that, while the addition of molasses to a fattening ration always produced an increased gain, it did not lower the cost of the gains, except when used to balance up a highly-nitrogenous ration. When used in this way, as high as thirty cents a gallon was realized, while, in other instances, returns were as low as three cents a gallon. It is extremely doubtful whether molasses could be economically employed by Canadian feeders, except in very small quantities.

2. The Texas Experimental Station reports no ill results from feeding a gallon per day to yearling steers.

3. We see no reason to apprehend that it should.

4. Half a teacupful can safely be given.

5. We do not think that any kind can be got in Canada that would pay to feed. There is on the market a molasses meal, said to be free from the injurious salts found in beet molasses; this might, perhaps, be utilized to advantage in small quantities.

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CALVES

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Dear Sir,—My case has certainly been a very serious one, and one of long standing. I had latterly been unable to do any work at all. Your Belt has worked wonders in my case, as I am working steady now. It is well known here that it is your Belt that has put me on my feet again, and no doubt will be the cause of other sales to you.
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Letters like that tell a story which means a good deal to a sufferer. They are a beacon light to the one who has become discouraged from useless doctoring. I get such letters every day.

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After you have read the above, write to me, explain your case, and I will at once tell you if I can cure you or not.

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Tell me where you are and I'll give you the name of a man in your town that I've cured. I've got cures in every town. That's enough. You need the cure. I've got it. You want it. I'll give it to you or you need not pay me a cent. Come and get it now. The pleasurable moments of this life are too few, so don't throw any away. While there's a chance to be husky and strong, to throw out your chest and look at yourself in the glass and say "I'm a man," do it, and don't waste time thinking about it.

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