

QUESTIONS AND ANSWERS.  
Cellaneous.

FOR STEERS.

This year, have to feed straw and silage, mixed, sparing of the silage; in fact a day. How much feed per day at two feeds? Now about 800 or 900? The chop will be three bushels oats, two and one bushel peas, by had the steers in for am only feeding very little. Would like to have the block by first of May.

J. McL.

that the steers are now pounds of silage and 8, we would recommend a pound of bran per whatever meal they may eat, in about two weeks' mixture of 8 parts of to 2 1/2 parts oil cake, is for whatever chop is then receiving, with the end, the mixture of to be fed in gradually in until at the close of the steers may take of the mixture of bran. The bran with the rest of the feeding; we have ment to make it clear each steer about a m beginning to end of

COWS—PEA-AND-GRUBS.

Are giving an average per day. Am feeding lbs. bran, one feed of of unthreshed oats ay. Can you suggest for those cows? and shorts \$20 per peas 70c. and buck- and oats, cut green, compare with clover straw, for feeding to ing cattle and colts? field this fall which r five years. In the w I saw quite a lot inch or more in d heads. Will those ck the grain next any way of poisoning em? What kind of east liable to eat?

B. H.

not much wrong with ot a balanced ration, described standard for hey are milking light- sort of compromise and a milking ily be an economical se less bran, adding l cake instead, espe- milking most liberal- wo pounds bran, one one pound oil cake, adually. If they do ck to your present trifle cheaper. We r, that they will re- g, if not increasing erence to the rough- p hay is a very un- enry gives the an- one fifty per cent. nutrients than the specify the varieties.

the insects referred bs which caused so res this past sum- almost all crops, s but little affected. able method of ex- ing hogs into the e fond of the grubs, and destroy many- g land seeded down ars at a time, is a ment. The insects e troublesome the e first year after ow rape or other the coming season, ith barley the next nk you would be best advantage.

QUESTIONS AND ANSWERS.

Miscellaneous.

A FREE-MARTIN.

I have a heifer two years old that is a twin, the other calf being a bull, which was castrated. The heifer has never been noticed in season.

1. Can anything be done to make her breed?
2. Will a bull so born beget stock?

F. J. S.

Ans.—1. Heifer twinned with bulls generally prove to be barren, but in rare cases a heifer so born comes in season and breeds regularly. The barren heifer twinned with a bull, and failing to show ostrum, is called a free-martin, in this case the internal organs of generation being imperfectly formed or contracted, and there is usually more or less of a masculine appearance about the head.

2. Yes; a bull twinned with a heifer is as sure to prove a breeder as one born single.

RATION FOR STEERS.

Have been feeding steers for Eastern market for some years. Have fed principally cut oat straw, pulped Swede turnips, mixed, night and morning, with a small feed of clover hay at noon. Grain ration has been made up of oats, barley and peas. This year I have the same roughage on hand, and the grain is oats, barley and buckwheat.

1. In what proportions should oats, barley and buckwheat be mixed to give best results?

2. Would you recommend the addition of oil cake at \$35 a ton, and, if so, in what quantity?

3. Will oats, barley and buckwheat be likely to give results equal to oats, barley and peas?

H. W. C.

Ans.—Unless some highly-nitrogenous feed, such as oil cake, were added, we would not anticipate as good results from the ration with buckwheat as from the one with peas. The reason why will be apparent from the following tabulated comparison of the two feeds:

|           | Digestible protein. | Digestible carbohydrates. | Digestible ether extract. |
|-----------|---------------------|---------------------------|---------------------------|
| Peas      | 16.8                | 51.8                      | 0.7                       |
| Buckwheat | 7.7                 | 49.2                      | 1.8                       |

It will be seen that buckwheat is not nearly as rich a feed as peas, pound for pound, and its deficiency consists in the important element, protein, in which the rest of the proposed ration is deficient. And neither the oats nor the barley can be fed in quantity to compensate for this lack. However, a very good ration may be made up by using oil cake, or some similar feed, for example, cottonseed or gluten meal, but preferably oil cake.

|            | Protein. | Carbohydrates. | Ether extract. |
|------------|----------|----------------|----------------|
|            | Lbs.     | Lbs.           | Lbs.           |
| Oat straw  | .120     | 3.86           | .08            |
| Turnips    | .400     | 3.24           | .08            |
| Clover hay | .408     | 2.148          | .102           |
| Oats       | .276     | 1.419          | .126           |
| Barley     | .174     | 1.312          | .032           |
| Buckwheat  | .231     | 1.476          | .054           |
| Oil cake   | .586     | .654           | .14            |
|            | 2.195    | 14.109         | .614           |

Nutritive ratio, 1:7.057.

This ration should even give better results than the one you have been accustomed to use. It is calculated on a basis of 1,000 pounds live weight, and is intended to satisfy the requirements of steers at the conclusion of the finishing period.

A minister, having walked through a village churchyard and observed the indiscriminate praises bestowed upon the dead, wrote upon the gate-post the following:

"Here lie the dead, and here the living lie."

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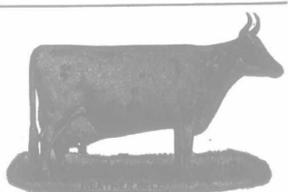
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HERE IS MORE PROOF OF MY CLAIMS.

J. Largess, Box 53, Vankleek Hill, Ont., reports: "The lameness in my back is all gone, the varicocele is better, and I am getting better health generally, and have gained a good deal in weight."

Jas. Hatt, Beach Hill, N.S., says: "The pains in my back and chest are all gone, and I have gained fifteen pounds in weight. It is a pleasure to say that I have at last found a remedy that will cure me of my aches and pains."

Belonie Gaudet, Miscouche, P.E.I., writes: "I am delighted with the success of your Belt. In forty days' use I have only had three losses. My health is greatly improved, and I feel refreshed after a night's rest."

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EVIDENCE THAT CANNOT BE DENIED.

T. J. Sweeney, care of Seamen's Inst., St. John, N.B., has this to say: "The pains in my back have gone, and the Varicocele has disappeared, and it has done me much good otherwise. I will always recommend it."

Jas. S. Bryson, Maple Creek, Assa., expresses his gratitude by saying: "Your Belt has done me a world of good. I would not be without it if it cost me double the price which you ask."

W. H. Eaton, 512 Cordova St. E., Vancouver, B.C., is thankful because after four days' use of his Belt he was cured of a very severe case of Rheumatism, and has not had a pain since.

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