## Exotic Breeds For Crossing

been imported into Canada. Semen from all of these cattlemen.

and our native beef cattle may wish to take advantage of a new breed without getting involved in artificial

breed differences occur Some breeds are superior a faster rate. for certain traits while inferior in others. Thus it is carcass contains more lean The Simmental breed

for several economically

crossed to the native beef breeds, Charolais cross the growth potential but within the exotic breeds. and at weaning and grow at

When slaughtered the problems.

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SPECIAL

Within the past few years, attention and then to select disadvantage with Charolais as a dual purpose animal for veral breeds of cattle how. a breed and finally an is their lower fertility rate the production of meat and animal within that breed plus losses at calving time milk. Simmental cattle are which will improve those because of the large generally red and white traits. The following is a muscular calves. For this spotted with a white face summary of various breeds reason Charolais bulls similar to Hereford. Simmental sired calves

are above average in birth weight, and exhibit a rapid Recent research indicates imported from France in that some sires will produce growth rate similar to calves smaller at birth and Charolais. Likewise their although they have been thus losses will be carcass contains a greater present in North America minimuzed. The Charolais is proportion of lean meat and Simmental are superior to crossing program because of

Charolais in fertility and calves are heavier at birth Charolais cross females conception rate but similar should be bred to another to Charolais in calving difficulties. Simmental breed to minimize fertility could be used to advantage in any crossing program meat and less fat than the originate in Switzerland because of their milk production and growth.

The Limousin breed originated in France where they are considered as a beef, draft type breed. These animals are a dark red in color, relatively fine boned but very muscular.

Limousin sired calves are similar in birth weight to our native Herefords and thus few problems arise because of excessive weights. The calves have a high growth rate and produce a carcass similar to Simmental. The milk production of Limousin temales is less than Simmental and similar to a Charolais.

The Maine=Anjou breed also originated in France where they are a dual purpose breed, maintained for meat and milk. The Maine=Anjou are higher in milk production than a Limousin. These cattle are a dark

red in color with some white spots and are quite upstanding. They exhibit a growth rate similar to Charolais or Simmental and produce a similar carcass.

breed being imported from that their growth rate would ltaly. Little information is exceed the Shorthon available to date, however since they are a large very upstanding breed, growth rate will likely be high.

Because of their shape, minimal. The Chianina will crossbreeding program to program. The Cana produce a market animal.

being imported from milk production and grow England where they are rate. More acc maintained as a beef breed. These cattle are dark red in in the near future on color and are somewhat advantages similar to our Shorthorn. disadvantages of the Little comparative date is exotic cattle.

Lincoln Red cattle are something to offer hoth

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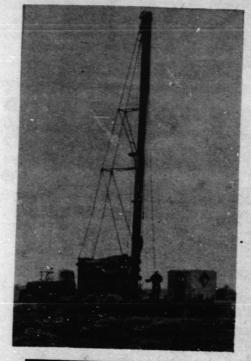
Feeding The Ewe

The production cycle of ewe divides her feed uirements into five eral areas.

Flushing and breeding, 1+ months. Early gestation.

Late gestation.

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Lactation, 8-12

unexplained by the scientist, she ovulates more eggs, allowing for a greater conception, resulting in a

Some sample flushing

- Supplementary crop such as rape of kale. Ordinary pasture 1-2 lbs. grain/head/day.

Hay + 1-2 lbs. grain/head/day.

Flushing should be restricted if the ewes are already in good condition In this case it is of doubtful value and if the ewes become too fat, it will do more harm than good. The feed intake can be decreased somewhat after breeding but not too abruptly because some of the extra conceptions may be reabsorbed by the ewes. Early Gestation:

During this stage, after breeding and up to six weeks before lambing, the aim is to maintain the body weight of the ewe. She should be prevented from becoming too fat during this

A sample ration for a 140 lb. ewe is (feed/day): - 3-4 lbs. average quality mixed hay (12%).

Maintenance Flushing and Breeding: Flushing is the practice of increasing the ewes' energy intake just before and during the breeding season. The ewe fed in this way is gaining body weight. For some reason as yet

larger lamb crop. rations are:

- Lush hay aftermath.

5 lbs. corn silage plus 2 lbs. alfalfa hay plus

The ewe's milk production peaks about eight weeks after lambing.

Sample rations for 140

- 5 lbs. average quality hay plus 2 lbs. grain.

10 lbs. corn silage plus i lb. alfalfa hay plus 2 lb. grain.

- Excellent pasture

The Jarvis Record, Thursday, March 11. 1971 -11A



without harming future

- average - poor pasture.

production.

- 1 lb. alfalfa hay. Late Gestation:

The final six weeks are the cirtical stages for the in-lamb ewe. Her feed requirements increase greatly and at the same time her capacity to handle bulky feeds decreases.

Sample rations for 140 lbs. ewe (feed/day): - 4 lbs. average quality

1/2 lb. grain increasing 2

½ lb. grain increasing to 2

Ewes with twins will produce more milk than those with singles therefore their feed requirements are

lb. ewe (feed/day):

During this time the ewes should have all the roughage hay. (hay or silage) which they will eat without wastage.

mixture recommended for At this time the objective satisfactory for sheep. is to feed the ewe as cheaply as possible. She can lose body weight at this time

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