#### Milk-Fed Calves Have Fewer Worms; Same Effect Noted for Swine, Rabbits

diet are likely to have fewer gained better worms than calves given no milk at all.

USDA scientists report this small-scale experiments at the experimental infections? Regional Animal Disease Research Laboratory, Auburn, Ala Calves on milk harbor fewer worms of certain economically important species, say ARS parasitologists G H Rohrbacher, Jr, D A Porter and H Herlich Furthermore, milk seems to stunt the the calves on milk had fewer H. worms' growth

These results suggest that giving calves milk longer than usual treatment for worms Adding milk to the diet improves gains, too.

THE AUBURN EXPERIMENT began with Porter's work on 10 (alves raised free of parasites, then paired according to age at seven to 17 weeks One calf from each pair had been raised on milk alone, the other got grain and hay along with milk All were infected with larvae of large stomach of the explanation for milk's efweeks later The calves that had received only milk had smaller worms and far fewer of them. even though the restricted diet didn't allow these animals to gain milk, or a combination of facas well as those that also got hay tors and grain.

milk, grain, and hay were com- the abomasum (fourth stomach, pared with calves weaned at 12 where digestion takes place Rohr- tends toward neutrality, the fewer to 16 weeks. All were infected and bacher noted a direct correlation killed a month later. The milk- between pH of the abomasum and worms and the smaller their size

Calves that get milk in their fed calves had fewer worms and

How about worm infections that are acquired naturally by grazing - does milk have the same effect finding from a long time series of here as it does in the case of the

TO FIND OUT, researchers put calves on pasture 54 days. All got a grain supplement, and half the animals got milk twice a day There was no significant difference in number of stomach worms Ostertagia ostertagi, but placei, fewer intestinal worms, and fewer large intestinal worms.

Similar results were obtained might eliminate the need of early with young rabbits in pilot tests Significantly smaller numbers of small stomach hairworms and small intestinal worms were recovered from unweaned rabbits than from weaned rabbits after experimental infection. In a comparable test with four calves, however, weaning did not affect these species of worms

> The researchers aren't yet sure clude changed conditions in the gastrointestinal tract, enzymes and other types of protein sugars in milk, calcium provided by the

worms and killed four to five fect on parasites Possibilities in FINE WEATHER THIS past week has helped farmers harvest a large portion of their tobacco crop. Laverne Mylin, left and his son, Carl, are shown loading a wagon Mylin is a tenant farmer on the farm of

Lester H Herr, New Providence, RD 1, Mylin said he has 11 acres out this year and started cutting his crop on Labor Day. (LF Photo)

One finding seems significant, establishment of large stomach In a similar test, calves on milk tends to neutralize acidity in worms — the more abomasum

### Fresh Legume Pastures **Increase Bloat Danger**

this summer has produced lush growth of pasture says Associate County Agent Joseph H Way There is danger that livestock losses from bloat may result from pasturing lush legume growth Alfalfa, red clover, and ladino clover may be "bad actors" as far as bloat is concerned Birdsfoot trefoil is the only common legume plant with a clear record regarding bloat However, legume pastures, in general, are excellent feed, and with a little precaution they are relatively safe

Way suggests the following practices to help eliminate legume loat problems

Never turn hungry cattle into ush legume pastures

Wet legume are much more langerous than dry legumes Avoid turning cattle or sheep into wet legume pasture unless they danger

Manheim

Heavy rainfall in Pennsylvania, have had opportunity to become used to it

> Alternate the herd from grass to legume pasture at least twice daily A sudan grass pasture used alternately with alfalfa or lading clover pasture will furnish the best kind of feed with little danger of bloat

> Give cows or sheep access to good nay every day Feed it in the barn or in a hay rack in the pasture

Keep a little bloat medicine on hand in case of emergency Vet clinarians are able to supply rela tively safe materials for this pur-

Bloat need not be a summer time nightmare for the livestock or dairy farm Way adds Wise use of legume pasture will result in maximum production of mea or milk with a minimum of bload

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