

WHAT'S NEW

5-WAY LEPTOSPIROSIS BACTERIN
'Leptoform-5', a new bacterin for protecting cattle and swine against the five

most prevalent types of leptospirosis, is now available through your veterinarian. Manufactured by Norden Laboratores, the

new bacterin contains killed cultures of *Leptospira canicola*, *L. grippityphosa*, *L. hardjo*, *L. icterohaemorrhagiae*, and *L. pomona*. Primary immunization consists of a single 5 ml dose for cattle and two 5 ml doses for swine. In either species, injections are given intramuscularly, says Norden.

According to Norden spokesmen, 'Leptoform-5' has been manufactured to provide consistent, reliable, and long-lasting protection against leptospirosis. Each of the 5 fractions in the bacterin contains a level of immunizing particles specially adjusted to elicit maximum immune response from inoculated animals. The product is also nonadjuvanted; that is, it contains no chemical compound to delay the release of the

immunizing particles. Norden scientists say this results in high levels of protection in a relatively short period of time.

'Leptoform-5' was extensively tested in several controlled studies. In Norden potency trials, animals inoculated with the bacterin and later exposed to disease-producing leptospirosis did not develop disease. Non-immunized animals exposed to the same bacteria showed typical signs of leptospirosis infection. In safety tests conducted on ranches and farms, the bacterin was given to a wide variety of cattle and swine, including pregnant cows and sows. The inoculated animals remained normal, and no abortions or other birth-related problems attributable to the bacterin were reported.

HAY HAULING TRAILERS

H & V Trailers, a division of J.C. Ranches, Smithville,



Mo., introduces the newest and latest design in hay hauling trailers for large round bales. The largest trailer manufactured carries 17 bales and can move short distance or hundreds of miles with pay loads. Other sizes carry five, six, seven, 10, 12 or 14 bales. Each trailer is designed for the cab conveyor carrier attachment which adds a carrying capacity of up to three additional bales to any size trailer. The unit is self loading as quickly as one can drive from one bale to another and self unloading in less than five minutes by moving slowly forward. A

special hydraulic unit for unloading one bale at a time in hay rings for winter feeding is optional. Outstanding features include the single bale self loading system, the multi seven bale lift and the cab-conveyor carrier which enables the operator to unload all bales directly into a large tub grinder. Each trailer has its own hydraulic power system for use with trucks and connections for tractor systems. All trailers are built as goosenecks with special 3-point tractor hitches included. Special 3-point hitch also doubles as hay fork for assistance in winter loading. Marketing will be done by Howard L. Johnson of 4500 N.W. 108th Street, Kansas City, Mo. 64154, who is the inventor, developer and owner of the company.

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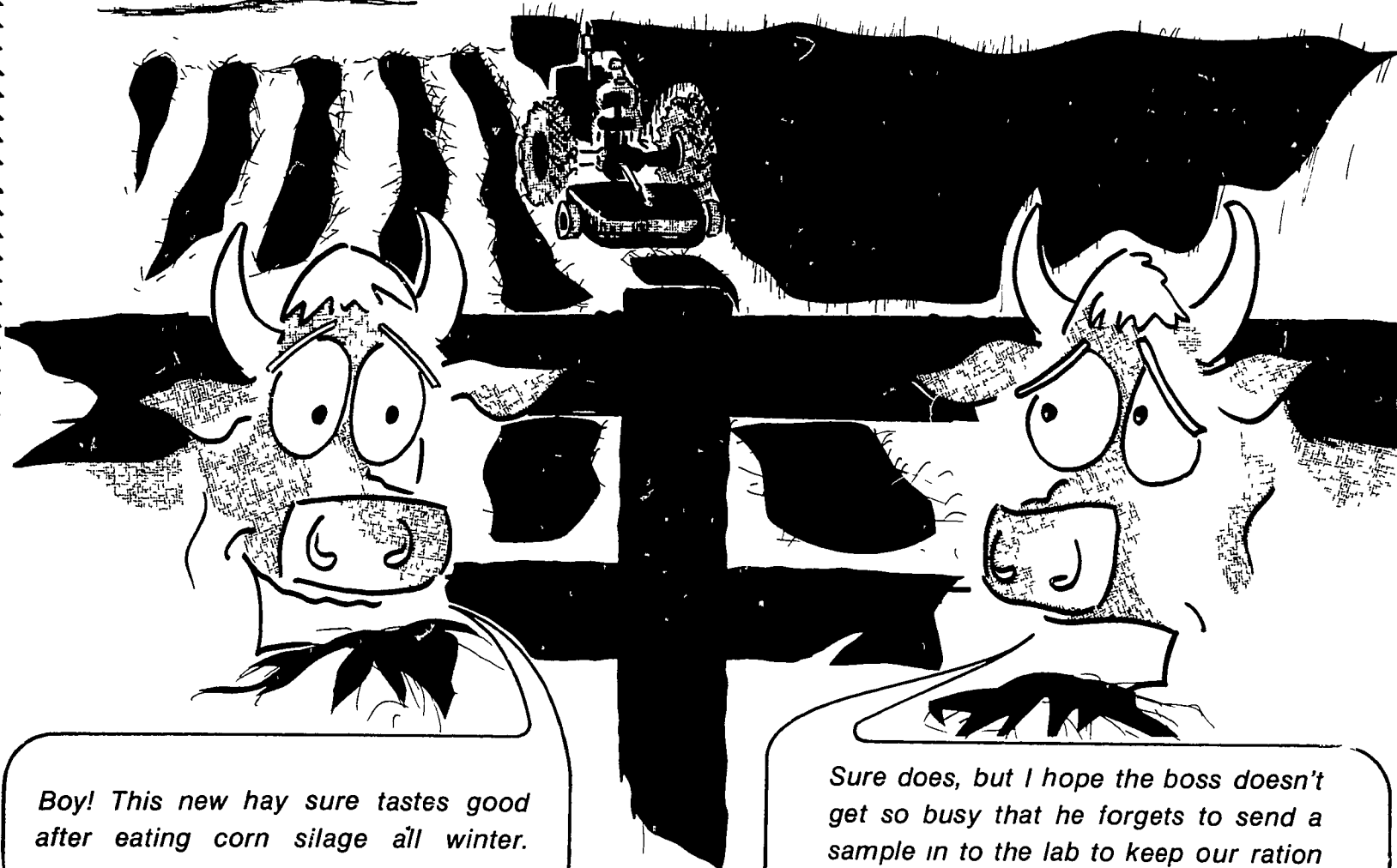


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