## Insect Growth Regulators For Cattle Production <br> Administration and by the insect growth-regulators

Insect growth-regulatora, portant from the standpoint Md . He incorporated the
Insect growth-regulators, portant from the standpoint compounds, may help rid catttle of (Ifes that cause major losses in milk production as well as reduced gains in weight of beef animals, according to results of tests reported by A U.S. Department of Agriculture (USDA) scientist here recently. Control of flies is im-


At farrowing time, she'll need some extra help... AND SHELL GET IT WITH OUR
WORM 'N GERM PROGRAM WOAM NGERM PROGRAM TRAMISOL in the feed just before farrowing knocks
out the four major lung and intestinal wo ms

AUREO S•P 250 fights diseases rhinitis, scours and diseases
cervical abscesses right through the farrowing period today.
STEVENS FEED MILL,

[^0] the Eastern Branch Meeting, Entomological Society of America, by Dr. Richard W. Miller, an animal scientist of USDA's Agricultural Research Service, Beltsville, Mexican Bean Beetles in soybeans have been reported on the Eastern Shore and
Southern Maryland, says the Maryland Department of Agriculture.
The State agriculture agency here has received reports that some farmers are applying or hiring custom applicators to apply the chemical dimethoate, commonly known as Cygon or De-Fend, for the control of this insect on soybeans. Ronald Johnson, Director of Plant Industries Division, says that this chemical is not registered for use on soybeans by the Environmental Protection of disease prevention as well compounds in cattle feed; as the pestr' nuisance factor, they passed through the which has been estimated to animals' digestive system, cause losses exceeding $\$ 500$ permeating the manure, a million annually in reduced prime material for the flies' production of milk and meat. development. At critical Experiments with syn- necessary for the continued thetic mimics of natural development of fly larvae juvenile hormones of flies and pupae. When present at were described in a talk at the wrong time, however, the

## Mexican Beetle Infests Soybeans

Heavy infestations of

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## hormone m

Dr. Miller. Horn flies and face flies are a problem in pastures rather than barns and thus are particularly good targets or growth-regulators. Moreover, it would be im practical to spray pasture Removal of the mentre Reuld be equally unfessible. "Integration of growth egulators with gritation and traditional insecticides affers the best potentials for control of flies," Dr. Miller said. "Our tests demonstrated that house flies and stable flies find alternate breeding places such as untreated wet straw bedding, and thus could remain a problem when growth egratators are used alone." Dr. Miller also briefly described research with the sex attractant of the face fly. Hormonal compounds of the type being tested by ARS have been shown to readily breakdown in the environment. The experiemental growth regulators tested by Dr. Miller are not registered for use as feed additives. Approval by the Food and Drug

University of Maryland University of Maryland Cooperative Extension would also be effective against the corn earworm and green clover worm which may be attacking soybeans at this time. Seek the advice of your County Agricultural Agent to determine if spraying is determine if spraying is
Mr . Johnson.

Him or Hur?
And then there was the cat Ben -until he had kittens. Tür!

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