

Effects of Nutrition on Beef Cattle Reproduction Being Studied

Effects of nutrition on reproduction in beef cattle are being studied by USDA and the Louisiana Agricultural Experiment Station to understand two major difficulties. One difficulty is failure of some cows to conceive or "settle" after breeding. The other is failure of some cows to come into heat after first calving.

Solution of both troubles is being sought by combined nutrition and breeding studies at the ARS Agricultural Research Center, Beltsville, Md., and at the ARS Iberia Livestock Experiment Station, Jeanerette, La. The work at Beltsville is being conducted by

animal physiologist J. N. Wilbank, cattle nutritionist R. E. Davis, and animal husbandman J. Bond, and at Jeanerette by animal husbandmen W. M. Hazen and E. H. Vernon.

Angus heifers are being used in the Beltsville experiments and heifers of mixed breeding at Jeanerette.

ASIDE FROM CLIMATE and breeds used, there are no major differences in the trials underway at the two stations. Fifty-four heifers are under test at each station. And in each case the test groups have been divided into 9 lots of

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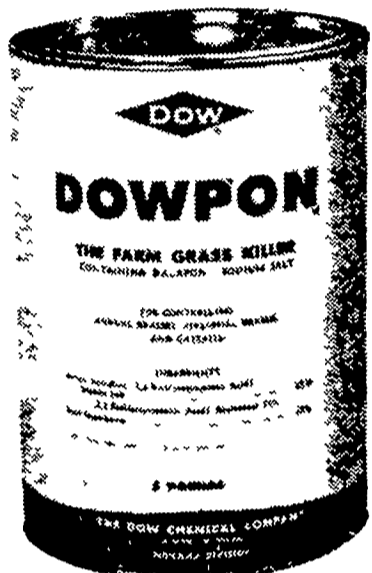


THE SOUTHEASTERN Pennsylvania Artificial Breeding Cooperative dairy show on Aug. 7 produced these grand champion breed winners. They are shown with their owners left to right: Charles T. Wollaston, Toughkenamon, Chester County, Jersey; Mark N. Witmer, Delmatia R1, Northumberland County, Guernsey; Ralph Harnish,

brother of owner David F. Harnish, Quarryville R2, Ayrshire, and John M. Umble, Atglen R1, Holstein. Winner of the Brown Swiss grand championship was the entry of Bette Ahren, West Grove R1, who was absent when the picture was taken.

(LF Photo)

Solve next spring's quack problem now with a fall spraying of DOWPON



Save time next spring . . . and start work in fields free of quack grass . . . by spraying this fall with Dowpon*, chemical grass killer. Just spray Dowpon (containing dalapon) on the quack in fields you plan to plow this fall. Wait 2 weeks. Then plow it under, or you can put off plowing until next spring. Then work up the land as usual for planting. Even heavy quack grass can be controlled this way. Start this fall to solve your quack grass problems this easy, effective, economical way.

DOWPON may also be used for grass control in apple & pear orchards. Grass control around fruit trees now, will help you control meadow and field mice later on.

Your dealer has DOWPON in 50 and 5 lbs. drums.

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SPABC Show

(Continued from page five)

4 Umble.
Junior Get of Sire — 1. Dean.
Senior Get of Sire — 1. Lucifer
Produce of Dam — 1. Kauff-

man.

JERSEY

Senior calf — 2. Phylis Landis,
R4 Lancaster; 4. Tom Haliday Jr.,
R1 Kirkwood.
Junior Yearling — 2. Lucile
Kreider, Drumore.
Senior Yearling — 2. David Alt

house & Son, Cochranville; 3
Haliday; 4. Haliday Sr.
Three-year-old — 3. Althouse &
Son.
Aged cow — Althouse & Son.
Produce of Dam — 1. Althouse
& Son.
District Group — 1. Chester.

Farm Service Bulletin No. 5-8.

BLUE COMB

A disease which attacks growing pullets and young laying chickens.

ORIGIN: Not of bacterial origin, but otherwise suggestive of a contagious or infectious disease. Current view point: Probably a virus disease.

SYMPTOMS: Sudden decreased feed consumption, drop in egg production, depression and whitish watery diarrhea. Individual birds may have crop distension, sunken eyes, dark blue combs, shriveled shanks.

Post Mortem usually shows pale breast muscle resembling the flesh of fish. Crop is often filled with sour-smelling food. Small yellowish spots may appear on the liver. Enlargement of kidneys is common with the accumulation of urates.

CAUTION: Accurate diagnosis is necessary to differentiate between Blue Comb and Fowl Cholera.

TREATMENT: Several types of treatment formerly recommended have mostly been replaced by the use of the Broad Spectrum antibiotics or a combination of one of these with Furazolidone contained in a highly fortified feed.

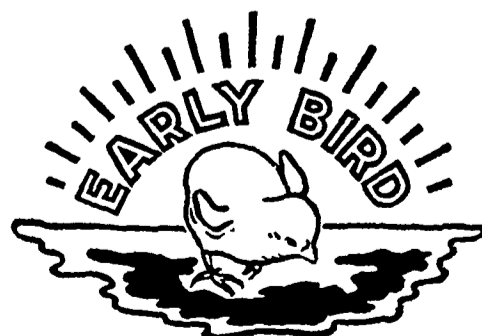
For treatment of **Growing Pullets** we recommend the use of our **EARLY BIRD No. 50** Medicated Ration.

For treatment of **layers** we recommend our **EARLY BIRD No. 49** Medicated Ration.

Feed these for 5 to 7 days. We have found them quite effective. When a mash and grain program is followed it is well to discontinue the grain and replace it with a limited amount of our **EARLY BIRD No. 33** Poultry Fitting Ration.

If you have birds that "do not look just right", or trouble strikes your flock please call your Miller & Bushong representative or call Lancaster EXpress 2-2145 Collect.

WE'LL GO ALL OUT TO HELP!



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