Insect Control Methods Other Than Pesticides

Researchers have reached a culture issued recently.

Service, is by Donald R. King of CSRS. He discusses duced use of insecticides for usefulness. the control of certain of our most important insect pests.

and methods that utilize in-tion

sect sterility and attractants.

tuning point in the control weapons is the stirility princiof insects that destroy many ple, which is being applied needs, according to the article. billions of dollars worth of for the control of several in-clops each year, according to sects. Investigations are under an article in a publication of way on others. For this tech- Housing For the U.S. Department of Agri-nique insects are mass reared nique insects are mass reared in laboratories, genetically Broilers Will The article, appearing in Agricultural Science Review, quarterly review of USDA's Cooperative State Research Service, is by Donald R.

In laboratories, genetically sterilized, and then released habitats where they compete with fertile insects — thus reducing their populations.

Brutters Will sterilized, and then released habitats where they compete with fertile insects — thus reducing from throughout the sterilized.

USDA and the State Agricul- a majority of insect pests, suc- town agricultural substation. tural Experiment Stations that cesses to date indicate furtheventually may lead to a re- er research will broaden its

ators, and diseases), varietal using various means to at-tional housing on the Delmar-Lloyd says. resistance of plants to insects, tract insects to their destruc- va peninsula. Frank D'Armi,

Each method in its own wayLancaster Farming, Saturday, September 19, 1964-13 Studies on the basic biology, has merit and limitations, and physiology, and nutrition of each approach is being pursued insects have a relationship to with an eye to its eventual the all of the investigations, in integration into an overall broiler house which has been North Carolina, discussing cluding chemical insecticides. scheme of control in the con- in use for a year. Among the non-pesticidal stant battle for the survival of

More than 200 poultrymen from throughout the nation are expected to attend the Dr. King points out that al- third annual Broiler Housing some of the newer trends in though the sterility approach Seminar October 1 at the Unientomological research in will not apply to all or even versity of Delaware's George. endocrinologist and professor

Other approaches to the con- poultry housing, with emphatrol of insect pests now under sis on research in controlled houses Because birds grown Agricultural Extension Serv-Dr. King showed that con- way include biological research environment, according to Ray under these conditions are less ices of Delaware, Maryland siderable emphasis is being into hunter-insects and para- Lloyd, associate extension active and do not have red and Virginia, the Delaware

University of Delaware poul-

Ernest W. Walpole, exten broiler houses. pole says.

Dr. Andrew Nalbandov, an of animal genetics at the Uniter by September 24 Poultry versity of Illinois, will discuss industry leaders from 21 Poultry industry leaders and some of the physiological and states attended the event last scientists from five states will behavioral changes in chick year. discuss new developments in ens raised under the low light placed on approaches to insect sites that kill insect pests; re- poultryman at the substation. combs, buyers have paid less Poultry Improvement Associapest control other than the leasing into the insect com- Lloyd will open the program for them than for broilers tion and Delmarva Poultry Inuse of conventional insecti- munity various insect diseases; with a report on a survey grown in conventional houses, dustry, Inc. cides, including biological developing resistance of comparing improved environ even though low light intencontrol (insect parasites, pred- plants to insect enemies; and mental housing with conven- sity produces better birds,

> Others on the seminar proof broiler house ventilation; the empty container.

researcher, will discuss and R. M. Ritchie, agricultural University's windowless engineer at the University of ways of modernizing existing

sion agricultural engineer at A panel discussion on imthe University, will explain proved environmental houses new recommendations for will feature four poultrymen broiler house ventilation. A outlining their experiences year's study of housing ventila. with these new houses. Intion has shown that broilers cluded will be Tom Whittingcan be raised with less air cir ton, Whittington Poultry Farm. culation and lower tempera. Marion, Md.; Stokes Homan. tures than previously thought Otis Feed Co, Parsonsburg, necessary. Use of the new rec. Md; Bill Russell, Bayshore ommendations should lower Foods, Easton, Md; and Stanelectricity and fuel costs, Wal. ley Street, Cohn & Bock Co., Princess Anne, Md

Poultrymen who plan to attend the seminar must regis-

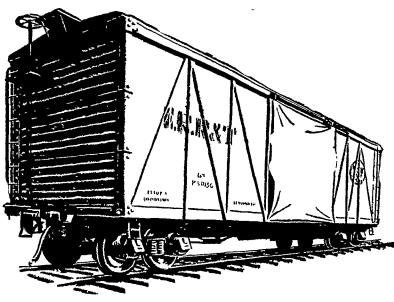
The Broiler Housing Semin-

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Read the label before you gram include Paul N Winn, buy a pesticide, advise Penn associate professor of agricul- State extension specialists. tural engineering at the Uni- Make sure the label gives the versity of Maryland, who will name of the pest you want to discuss research in tempera-kill. After you buy a pestiture and humidity of broiler cide, read the label again behousing; Norman D. Augs fore using Then follow all laburger, vice president of Acme bel directions and precautions Engineering and Manufactur for storing, mixing, and applying Co. Muskogee, Oklahoma, ing the pesticide, and for diswho will discuss aerodynamics posing of unused material or

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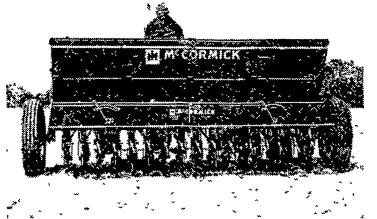
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