

Insect birth control

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quantities, uniformly over a given area, at specific intervals in time. The problem is comparable to uniformly spraying a fraction of an ounce of a woman's perfume over one acre of plants, and being assured that the entire acre has an equal amount of the scent on each plant.

The dispersal problem was solved by Conrel, an Albany International company located in Needham Heights, Mass., by packaging the pheromone in the hollow plastic fibers. The diameter of the fibers are approximately the size of an eight-pound test monofilament fishing line.

The pheromone packed fibers are distributed over a field of crops by aircraft or tractors. A sticky substance is used to adhere the fibers to plants in the field. The EPA has determined that the fibers are not environmentally harmful.

According to EPA, because of Gossypure's similarity to a natural substance, it offers certain health and environmental advantages over chemical toxins now used to control pink bollworms. Laboratory tests indicate that it is harmless to people and has no ill effects on wildlife, soil and water. Field trials in

Arizona and California showed that the pesticide affects only the pink bollworm and does not disturb beneficial insects that help keep other insects in check.

The U.S. Department of Agriculture is currently testing the Conrel system in Yakima, Wash., utilizing another pheromone to control fruit tree insect pests. Other tests are also underway to control spruce budworm, the scourge of timber forests, elm bark beetles that transmit Dutch Elm disease, and several insects that attack ornamental plants.

Angus bulls highest since November '74

ST. JOSEPH, Mo. — The average price of Angus bulls sold at auction hit \$1057 in April 1978, an increase of \$318 per head compared to a year ago, reports Dr. C. K. Allen, executive secretary of the American Angus Association. This is the highest monthly auction average for Angus bulls since November 1974, and compares with an average of just \$639 per head in April 1977.

"These prices reflect the growing demand for Angus bulls for commercial beef production," Allen said. "Packers are turning more and more to Angus and Angus crossbreeds in order to get yield three or better carcasses that grade U.S.D.A. Choice. Because of this, commercial cattlemen need more Angus bulls to help fill the demand."

at auction in April (both bulls and females) averaged \$885 compared with \$665 a year ago. For the first seven months of the 1978 fiscal year there have been 336 Angus auctions. At these sales 13,956 females have averaged \$662 compared with \$541 a year ago. Some 9821 bulls sold this year have averaged \$976 compared with an average of \$778 for the same period in 1977.

The price of all cattle sold

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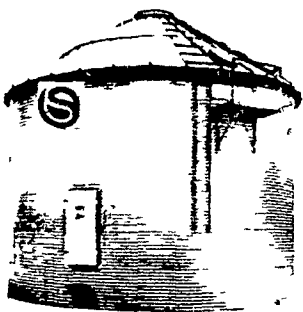
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Harvest price per bu.	1.80 =	45,000.00
Price increase per bu.	\$1.20 =	\$30,000.00
*Equipment Payment per bu.	.15 =	3,811.00
EXTRA PROFIT per bu.	\$1.05 =	\$26,189.00

*Annual lease payment on a 5 yr lease plan which can be made anytime up to one year after date of bin installation. Equipment includes 36 ft dia bin x 10 ring with ladders, aeration fan, transition, sub-floor with channel-lock panels, unloading auger, center well, intermediate well, control rods, motor & drive, bin sweep & motor, freight, concrete pad, labor to install concrete, bin and all equipment, one yr limited warranty, and a performance guarantee.

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2659.....	18 x 4.....	1,460
5243.....	21 x 6.....	2,104
8064.....	24 x 7.....	2,802
10227.....	27 x 7.....	3,294
14373.....	30 x 8.....	4,436
23464.....	36 x 9.....	6,208
35713.....	42 x 10.....	9,428
47470.....	48 x 9.....	11,358

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3000.....	55 ft.	2,640
5500.....	55 ft.	4,465

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