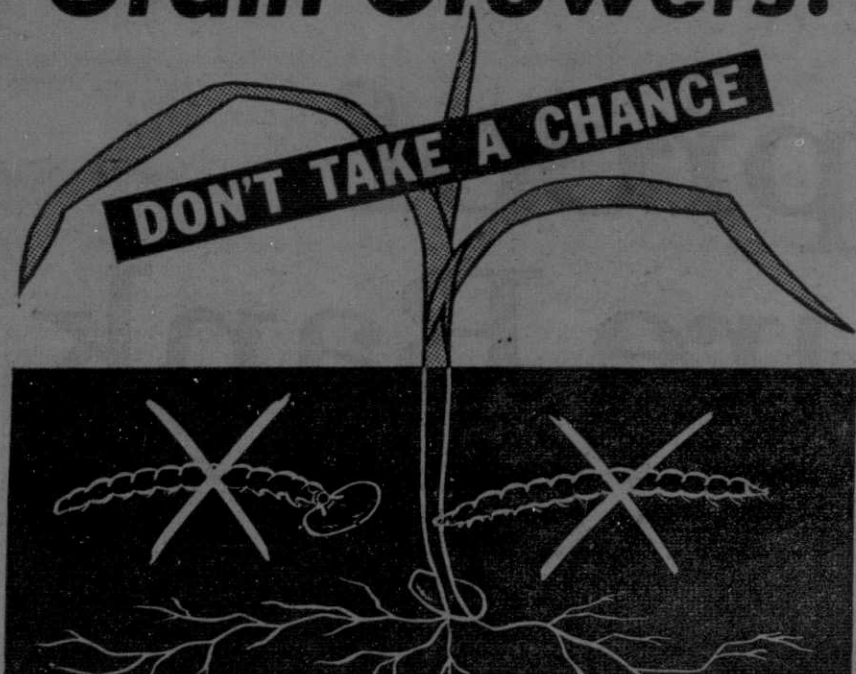


# Grain Growers!



Protect Against **WIREWORMS**

WITH

## CHIPMAN ALDRIN SEED TREATMENT

**ALDRIN 4L:** A liquid for slurry or liquid treaters. May be combined with fungicides.

or

**ALDRIN W-50:** A wettable powder . . . used as dust or slurry. May be combined with fungicides.

Contact nearest Chipman dealer or distributor. If none in your locality, write us . . .

**CHIPMAN CHEMICAL CO.**  
6200 N.W. St. Helens Rd., Portland, Ore.



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Great Falls, Montana

## HOT NEWS ABOUT HAY!



**BALE EARLY  
BALE LATE**

**STOOK**

Your Bales  
the Walker Way

The Walker six-bale stooker, attached in 30 seconds to any baler, enables you to build and unload, without stopping the baler, wind and moisture resistant cottage type stooks.

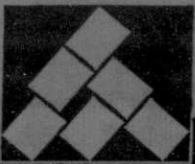
New in the United States, but proved in Canada, the Walker Stooker enables you to bale tougher, greener hay, save more leaves, and get hay with a higher protein and carotene content. Complete air circulation under, around and through each bale produces better curing, enables you to leave the bales in the field longer.

Walker-stocked bales are easily loaded with a special fork attachment for your loader, which lifts all six bales at once.

**FARMERS**—Rush postcard for complete information  
**DEALERS**—Inquiry invited. Rush letter.

Dan H. Brobst Box 1305, Lincoln, Nebraska

Mfd. by **KELVIN-THOMPSON CO., LTD.**  
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## FARMING & RANCHING

# Business

**FEED GRAIN PRODUCTION** will be huge in 1959. With acreage reserve ended and corn allotments off, total feed grain acreage will be up 5 per cent. Montana barley acreage may be up as much as 20 per cent.

**SELLERS ARE BIGGEST** source of credit for buying land, according to USDA reports. More than 43 per cent of farm purchases are on a basis whereby seller provides credit for major part of purchase price, chiefly through land contracts. Under such contracts buyers have advantage of lower down payments, usually not over 20 per cent. Sellers have capital gains advantages on income tax if they do not receive more than 30 per cent of the purchase price in year of sale.

**PREMIUM PRICES NOT LESS** than 2 cents and usually 4 to 6 cents a pound over current market prices were realized by members of the Montana Beef Performance Association for sales of their certified feeder cattle in 1958.

**RAM TESTING SIMILAR** to beef performance testing is indicated to be a desirable practice by studies conducted at South Dakota State College. Four sire groups of Columbias and four of Hampshires were tested for the first year of the program. A sire group is made up of four lambs sired by one ram. Grease wool weights for Columbias ranged from 17.7 to 26.9 pounds. Hampshire rams yielded grease wool weights of 7.8 to 15.8 pounds. Daily rate of gain for rams varied from three-tenths to six-tenths of a pound. A ram that makes most rapid gains and produces most wool will usually transmit more producing ability to its offspring than those that gain slowly and produce a lighter fleece.

**STILBESTROL FED TO** fattening feeder lambs produced variable and generally insignificant response in trials conducted at the South Dakota State College Agricultural Experiment Station. In one trial ewe and wether lambs were hand fed alfalfa hay and corn plus .1 pound of protein. Stilbestrol was mixed with the protein, using 1.6, 1.8 and 2 milligrams. A control group received none. Lambs that received the stilbestrol gained faster and had better feeding efficiency but the difference wasn't great enough to be significant.

**LIVESTOCK - SHARE LEASE** study by USDA shows that agreements in which tenants furnish smaller share and landlords larger part of resources needed to operate farm enterprise may offer help in overcoming current capital shortage of individual farmers. Large tenant capital needed nowadays for leasing an adequate farm under traditional 50-50 share agreement is proving to be serious handicap. Econ-

omists found that tenant has to supply \$4,000 to \$6,000 worth of machinery and livestock to lease an adequate sized farm under 50-50 sharing.

**IN ALFALFA EXPERIMENTS** in Wyoming, the new herbicide, diuron, controlled 83 to 99 per cent of the annual weeds and 90 per cent of volunteer alfalfa seedling—an important requirement for alfalfa seed certification. Applications of 2 to 3 pounds of diuron per acre in 1956 controlled annual weeds and volunteer seedlings that year and gave satisfactory control of weeds in 1957 without additional treatment.

## Sawdust and Shavings Are Good Insulation

**SAWDUST AND SHAVINGS** make good insulation at low cost, reports Richard T. Marks, Extension Forester at Montana State College, Bozeman, Montana.

When treated with certain chemicals, sawdust or shavings give protection against fire, decay and insects.

Two types of treatment have been developed. One is for decay and insects. To each 100 pounds of dry sawdust or shavings, add three pounds of sodium fluoride. Dissolve the chemical in about 12 gallons of hot water and mix with the wood material. A concrete mixer will do.

Sodium fluoride is a fine white powder poisonous to humans and animals, so care should be taken to avoid breathing the dust. Wetting the sawdust before mixing is advisable. This reduces the dust. Dry the insulation thoroughly before putting it in the walls of buildings.

To fireproof sawdust or shavings mix a water solution containing five pounds of monoammonium phosphate and 5 pounds of borax with 100 pounds of sawdust or shavings. If insect and decay resistance is desired as well as protection against fire, the two treatments can be made at the same time by dissolving all the chemicals in the same water, concludes Richard T. Marks, Extension Forester.

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