

Field Tracker senses changes in ground contour and adjusts angle of header hydraulically.

## NEW "FIELD TRACKER" KEEPS SICKLE CLOSE TO GROUND, REGARDLESS OF TERRAIN

# Automatic Header Adjustment

"It's the first attachment that automatically adjusts combine headers from side to side," says Carl McNair, president, about Hart-Carter's new Field Tracker.

"Used in combination with a floating cutterbar, it keeps the sickle closer to the ground than ever before. You can increase header width, yet move confidently through the field because the device automatically keeps the header ends from digging into the ground, or raising above the crop," explains McNair.

He notes that the device will automatically tilt a 20 ft. header about 6° (12½ in.) in both directions from horizontal. Thus, at maximum tilt on a 20 ft. header, one end will be about 25 in. above the other.

The Field Tracker senses changes in ground contour at each end of the floating cutterbar. When the sensors call for tilting action, they activate a hydraulic valve on the combine. Oil from the combine's hydraulic system is sent to operate a two-way cylinder located on the Field Tracker attach-

ment. As the cylinder extends or retracts, it rotates the portion of the heavy Field Tracker frame attached to the header, pivoting on a large pin located at the bottom of the attachment, explains McNair.

The Field Tracker is currently available for Deere 6620, 7720 and 8820 combines and their flex headers, and Massey Ferguson 550, 850 and 880 combines (1980 and later) and their headers with floating cutterbars. "Within the next 12 months, we expect to have attachments for other makes of combines, including rotaries, and attachments for corn heads and rigid cutterbar heads," McNair told FARM SHOW.

The attachment adds right at 1,000 lbs. of weight to the combine, and 12 to 14 in. to the feeder housing, which means the header itself is about that much farther forward. A powered paddle wheel transfers material from the header to the feeder house.

McNair notes that the Field Tracker is compatible with the existing automatic header height control. Do-it-

yourself installation, which takes about a day, involves drilling a few holes to attach drive brackets, adding a supplied hydraulic valve to the combine's valve stack, and modifying a few drive components. Once installed, it takes no more time to attach or detach the header than it did before. Equipping a soybean header with the attachment doesn't interfere with the attaching of a corn header without the attachment — the Field Tracker and header are removed from the combine as a unit, and the corn head attached in the normal manner. When the combine is sold or traded, the Field Tracker can be removed for use with the new combine, and the old combine restored to conventional operation.

Retail cost is right at \$4,140 for Deere combines, and \$3,995 for Massey.

For more information, contact: FARM SHOW Followup, Hart-Carter Co., 1501 1st Ave., Mendota, Ill. 61342 (ph 815 539-9371).



Bag rolls up on rollers at top and bottom of self-feeder.

## Big Bag "Silogate"

Feeding big bag silage is a lot neater and easier with the help of a self-feeder that lets you roll up the plastic as you go.

Silopress of Sioux City, Iowa, developed the Silogate self-feeder, which has a roller at the top and bottom. The gate sets at the end of a bag and, as cattle eat, the sides of the bag are slit and the top and bottom sections of the bag are rolled upon the two rollers. A couple turns on the hand-operated cranks each day keeps things neat and tidy around the bag. The Silogate accommodates up to 50 animals with the help of an electric fence that runs down the sides of the bag and is reeled up as the feeder moves ahead.

"Feeding out of the bag eliminates the need for expensive equipment to transport or handle feed," says Dick Cumming, Silopress vice president, noting that the Silogate sells for \$360.

For more information, contact: FARM SHOW Followup, Silopress, 1915 Floyd Blvd., P.O. Box 988, Sioux City, Iowa 51102 (ph toll-free 800 831-0807 or 712 255-4569).

## "REDUCE CHEMICAL COST 30 TO 50%"

# Broadcast Spray With "CDA" As You Plant

Now you can use CDA (controlled droplet application nozzles) to pre-emerge broadcast spray pesticides while you plant corn, soybeans and other crops.

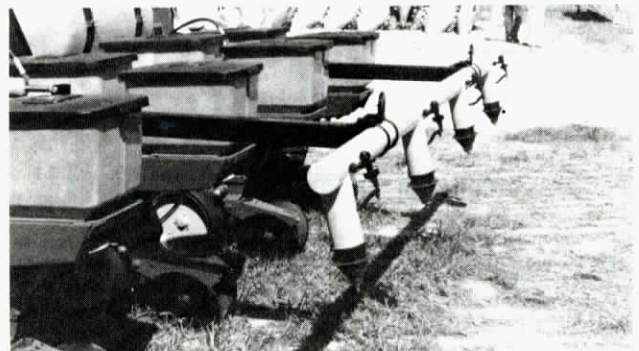
Designed by Al Miller, Ag Ventures Corp., Delaware, Ohio, the "CDA" pre-emerge spraying system boasts two main advantages: "You need little or no water as a carrier, and you can reduce chemical costs 30 to 50%. For some chemicals, you'll need to use a small amount of carrier to ensure proper flow," Miller points out.

His system features a 70 gal. spray tank, with a quick-fill attachment and

agitator, which is mounted on the front of the planter. A hydraulically-powered centrifugal pump moves the chemicals to the CDA's at the rear of the planter.

The system's framework mounts to the planter toolbar and has two arms that extend back between the planter row units. The CDA's are on a boom attached to the end of these arms. Chemicals flow from the tank, to the boom, and back to the tank via hoses that run parallel to the arms.

The arms hinge just behind the toolbar and lift hydraulically for easy access to seed and fertilizer boxes. Shock absorbers on the two cylinders



Sprayer lifts out of the way for access to planter boxes.

keep the boom level for a constant spray pattern which, Miller says, is part of the key to lower rates.

The electrically powered CDA's spin at 1,550 rpms and automatically shut off when you raise the planter. (There also is a manual override.)

Miller will soon introduce spray

systems to fit most 16-row and smaller planters. A 4-row model sells for \$2,500 and takes about two hours to install.

For more information, contact: FARM SHOW Followup, Ag Venture Corp., P.O. Box 367, Delaware, Ohio 43015 (ph 614 363-1286).