



Swather header feeds grain more evenly than a conventional feeder auger, according to the manufacturer. It's also much lighter than a conventional header.

"2 IN 1 HEAD" ELIMINATES FEEDER AUGER

Giant 36-Ft. Header Fits Combines, Swathers

A new 36-ft. wide "two-in-one" swather-header from MacDon Industries Ltd., Winnipeg, Manitoba, mounts on either a combine or swather.

"This is the first production header that can be used for both swathing and combining," says Roger Patterson, company representative. "It's ideal for farmers who do both swathing and direct cutting, depending on the crop or weather conditions. It's so easy to transfer the swather-header between your combine and self-propelled swather, you can swath in the morning and combine in the afternoon."

Farmers who don't swath have also shown interest in the new header because it's the widest combine header on the market. The biggest header up to now has been 30 ft.," says Patterson. "Mounting our 36-ft. head in place of a 30-ft. head lets you do 20% more work with the same machine."

Key to success of the new head is the use of a draper instead of an auger because it allows the company to build a wider and lighter header, notes Patterson. "It's difficult to make a large auger header straight and rigid enough to work. A draper header is light and flexible."

Another benefit is that the draper table feeds smoother than an auger header, increasing efficiency, says Patterson. "Augers tend to feed grain in bunches, but a draper table feeds grain 'heads first' into the

combine so there's less bunching."

The hydraulically operated header comes with separate adapter packages for combining and for swathing. The swather adapter package includes two frame members and mounting brackets for tractor hook-up. The combine adapter package includes a spring suspension float system supporting the header's weight, a feeder draper that feeds grain into the combine, a small auger that's mounted above the feeder draper to feed bulky crops evenly, and a hydraulic system to drive the draper.

The header is equipped with spring-loaded flotation wheels that follow rolling ground contours. "The spring loaded gauge wheels help the cutterbar follow ground contours and prevent the corners of the header from scooping dirt," notes Patterson.

The swather header is currently offered only in the 36-ft. width. It fits Deere 7720 and 8820 combines, as well as the Case-IH 1680 model. The company is designing the unit to also fit other combine models and may build smaller header units.

Suggested list price for the combine header and adapter is \$17,980, for the swather header and adapter, \$14,510, and for the header and both adapters, \$18,870.

For more information, contact: FARM SHOW Followup, MacDon Industries Ltd., 680 Moray St., Winnipeg, Manitoba, Canada R3J 3S3, (ph 204 885-5590).

200-GAL. WATER TANKS PROVIDE DOWN PRESSURE FOR NO-TILL COULTERS

He Modified His Kinze Corn & Bean Planter

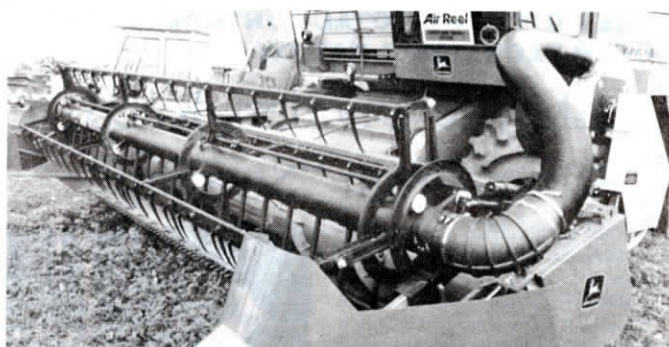
Randy Johnson, Minonk, Ill., no-till plants corn and soybeans with a modified 31-row Kinze planter that'll seed rows spaced from 30 to 7.5 in.

As built at the factory, the Kinze Double Frame planter carries 16 row units on a rear bar and "pushes" 15 units on an up-front bar. When he plants corn in 30-in. rows, Johnson simply fills the boxes on units spaced 30 in. apart and leaves the others empty. When planting soybeans, he can space the rows on either 15 or 7.5 in. centers. He drills both beans and corn directly into stalks and bean residue just as it was left by the combine in the fall. Although the

planter was built heavy at the factory, Johnson felt he needed still more weight to slice through cornstalks so he rigged up two 200-gal. tanks of water for ballast.

"Kinze's no-till row units do an excellent job of planting. After the machine makes a pass through, the fields look like they've been disked," says Johnson. He rigged up an auger-fill system on the planter using an old 5-in. auger with drop tubes made out of pieces of rubber inner tubes. He drives the auger with a hydraulic motor.

Contact: FARM SHOW Followup, Randy Johnson, Minonk, Ill. 61760 (ph 309 432-2269).



Crary says that under most conditions, the air/batt reel saves an average 2 bu. per acre in soybeans and small grains. (Batts in photo are fitted with only half their normal "fingers".)

4-BATT FINGER REEL ROTATES AROUND CENTER-MOUNTED AIR NOZZLES

"Air/Batt" Reel Combo "Great For Any Crop"

You can have all the advantages of an air reel plus the proven features of a conventional batt reel with the latest new add-on air reel from Crary Company, Fargo, N. Dak.

The Crary air reel, which was introduced several years ago, uses air from a fan powered off the sickle drive shaft. The air goes through a flex-tube into a manifold mounted on the reel arms and out nozzles spaced 10 in. apart. The curtain of air they create pushes crop into the cutterbar and also blows "shattered" grain back onto the platform.

"We figure it saves an average 2 bu. per acre in soybeans and small grains. The air reel works best in short, standing crops. The new finger pickup reel has the ability to pull in tall, viny crops or downed, tangled crops that are otherwise difficult to harvest with the air reel alone," says Wayne Lyon, Crary representative.

The new reel has four batts that rotate around the air reel, using the large air manifold as its axis. The reel is fitted with four batts instead of the usual six because the air reel works together with the finger batts to pull in the crop. Having only four batts also improves visibility.

Leroy Richard, sales manager, says the new air/batt reel works great in any crop. "With a 30-ft. head you sometimes get into a spot where half the grain is standing and half is down. This new head has the ability to harvest both the downed crop and the standing crop equally well."

Crary made some changes to the air reel when they built the new combination reel. They replaced the two 12-in. fans with a

single 16-in. dia. fan that spins at about 6,000 rpm's versus 4,000 rpm's for the old fans. The single fan produces as much or more airflow with less horsepower.

The other change on the air reel is that the air nozzles are positioned closer to the cutterbar. On the old reel they were positioned 16 to 20 in. away while on the new combination reel they're only about 8 to 10 in. away. Nozzle positioning can be adjusted on the go with an electric actuator that rotates the center manifold. Rotation of the center manifold also changes the angle of the reel batts. Air flow volume can also be adjusted by opening and closing an electrically controlled baffle in the exhaust port.

The reel is driven hydraulically and rotates around the center air manifold on four pinion and ring gear assemblies, riding on nylon rollers with steel roller bearing inserts. Richard says the combination air/batt reel requires only about 15-20 hp more horsepower than a conventional finger pickup reel. He notes that the air reel can be fitted to any combine without permanent modification. The new batt reel cannot, however, be fitted to existing Crary air reels.

A 30-ft. air/batt reel sells for \$3,821. The optional actuator, which tilts the air nozzles and changes the angle of the batts, sells for \$189.

For more information, contact: FARM SHOW Followup, Crary Co., Box 1779, Fargo, N. Dak. 58107 (ph 800 247-7335 or 701 282-5520).



"Fields look like they've been disked after we make a trip through with the planter," says Johnson.