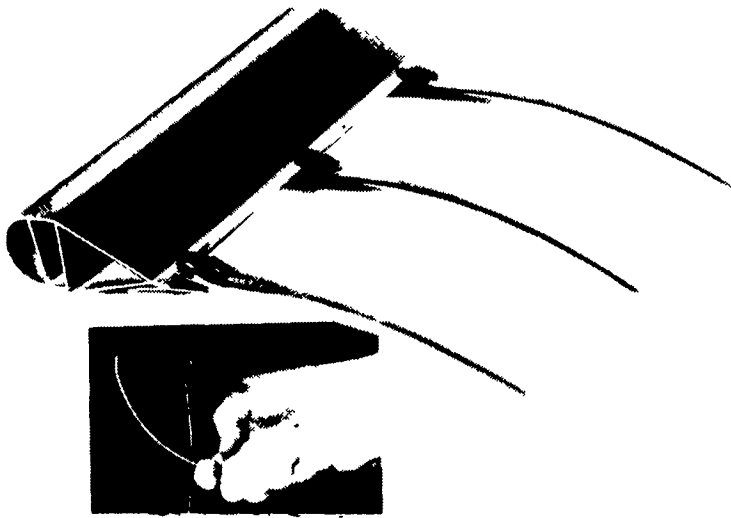


John Deere offers alternative for moldboard plows



Hart-Carter's new PolyTine conversion kit.

Conversion kit available for H-C pickup reels

MENDOTA, Ill. — Hart-Carter Company of Mendota, Illinois, announces the introduction of a new kit to convert HC wood bat/steel tine pick-up reels to the recently developed PolyTine modular system of steel bats with resilient polymer tines.

This system features smooth bats and tines without spring coils to reduce crop wrapping and carryover. The steel bats have thin, tapered leading edges for clean crop entry and considerably reduced bat shatter and wrapping features that should help reduce harvest loss. Another important feature is that the polymer tines make damage to the cutter bar or

combine unlikely if the reel wire accidentally lowered into the sickle.

The HC PolyTine bat has an internal reinforcement that provides exceptional strength and resists damage. In addition, HC's exclusive modular design makes it easy to replace individual bat sections and provides flexibility. This sectional construction, retained from the popular HC wood bat/steel tine models, provides smooth operation and increased bearing life.

For additional information on the new PolyTine Conversion Kit, write Hart-Carter Company, 1501 First Avenue, Mendota, IL 61342.

MOLINE, Ill. — John Deere has introduced an attachment for the company's moldboard plows which permits their conversion to a "coultter-chisel" for use in conservation-tillage operations.

The attachment is a 3-inch concave twisted shovel attached to a special mounting bracket. To convert a John Deere moldboard plow, the operator removes three bolts which hold each moldboard

bottom in place, removes the moldboard, then uses the same three bolts to mount the mulch-bottom attachment.

In operation, the coultter slices through trash, just as it would if it were used ahead of a moldboard, but then the twisted shovel peels out a ribbon of soil, leaving most of the crop residue on the surface.

The attachment will likely see its greatest application in rotation programs where the user plans to convert between conventional tillage and minimum tillage. The attachment allows the rotation to be accomplished without the purchase of separate tillage tools for the two types of tillage.

The mulch-bottom attachment fits all John Deere 3700, 3600, 2800, 2700, 2600, 1600 and 1000 Series plows.



New John Deere mulch-bottom attachment permits converting moldboard plows to "coultter-chisels" for conservation tillage.

Two new soybeans available from Pioneer

TIPTON, Ind. — Improved yields and other excellent traits are in store for farmers planting two new soybean varieties available from the breeding program at Pioneer Hi-Bred International, Inc.

The new Pioneer brand soybean varieties—9292 and 9271—have performed very well in PACTS

(Pioneer Accurate Crop Testing System) and other yield test plots across the northern soybean producing states.

The two varieties essentially differ only in maturity. A medium late Group II soybean variety, 9271, and 9292, a late Group II variety, will both be attractive to farmers in northern soybean producing areas, according to Dr. Robert Palmer, Agronomy Services Department manager for the Eastern Division of Pioneer Hi-Bred International, Inc.

The new soybean varieties are rated excellent in their lodging and shatter resistance as well as in yield for their maturity dates. Both also have good field tolerance to Phytophthora root rot, Palmer reports.

They are both exceptionally well suited to narrow row seeding with yields increasing as row space decreases.

The 9292 variety increased in yield by 23 percent as row spacing narrowed from 30 inches to seven inches. This amounted to an 8.2 bushel-per-acre increase averaged across different seeding rates tested by Pioneer in the last two years.

In tests with 9271, yields increased 11 percent as row spacing narrowed from 30 inch to seven inch rows. This amounted to a 4.7 bushel-per-acre increase, averaged across the different seeding rates tested during the two years.

Palmer recommends seeding both varieties at a rate of 200,000 to 225,000 beans per acre in drilled situations and 175,000 to 200,000 per acre in 30 inch rows.

Both 9292 and 9271 perform well across all soil types. Their excellent emergence makes them well-suited for conservation tillage.

Implanted capsule gives positive parlor ID

BLUFFTON, Ind. — An implanted capsule containing a miniature radio transmitter provides automatic, positive parlor identification for the new computerized Mix-Mill Dairy Feed Management System, from Blount.

The system uses an "always-on" transmitter implanted in the dewlap, or secured to a neck chain, to automatically update data on a particular cow, even if it changes position with another cow in the parlor or feeder stalls.

The total management system monitors and controls feeding for increased milk production and butterfat content, while lowering feed costs to maximize profits. The second generation electronic meter, soon to be available, has

been under development and tests for more than four years. The Milk Meter with automatic cow ID requires no manual intervention, allowing the dairyman to follow his normal routine. The positive identification at each parlor or feed stall ensures correct milk or feed weights which are automatically recorded. Parlor alarms automatically flag and alert dairymen of exception cows.

The system also features: feeder and parlor electronics which are totally encapsulated for protection against moisture; modular designed electronics for ease of installation; software package designed for total management of dairy herd; self-diagnostic system; and system processing by an IBM PC.

The system's processing by the IBM PC or compatible computer (not included in the system) yields detailed performance, normal exception, abnormal exception, herd health, individual cow histories, and reproductive reports. It enables dairy operators to set goals and manage by objectives. The IBM PC has additional capabilities to provide financial accounting, ration balancing, custom spread sheets and ag data base accessing.

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