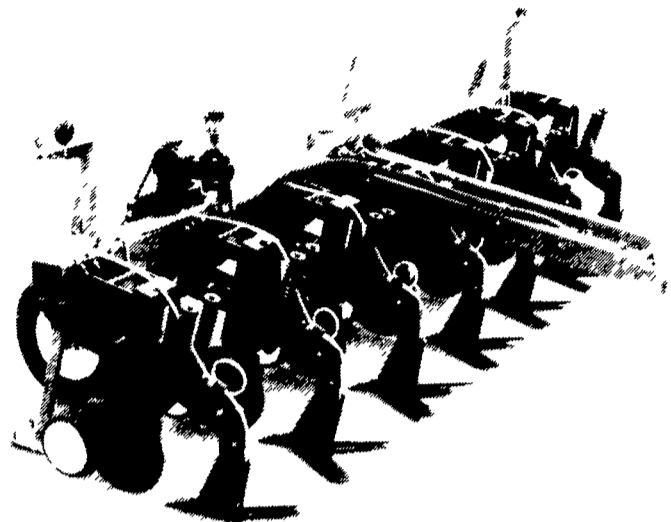




Business News



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Cultivator Handles Residue Requirements

WILLIAMSBURG, Iowa — A new, unique cultivator — designed to handle the residue management requirements of mulch-till or ridge-till cropping systems — is available in limited quantities for the 1992 North American season, according to officials at KINZE Manufacturing, Inc.

The KINZE Model 1500 Conservation Cultivator — available in four-rowN thru eight-rowW rigid-frame models — is built and designed to penetrate heavy residue.

The heavy-duty row units are mounted with parallel linkage on a 7"x7"x3/8" toolbar with 30 inches of clearance. The row units of the cultivator are equipped with adjustable 18-inch diameter coulters (with scrapers, cast hubs with dual re-lube bearings) plus dual depth gauge tires which, in addition to depth control, are designed to secure residue at the point where the coulters slice through

the surface. Two coil down-force springs with bolt-type adjustments allow maximum weight transfer for superior penetration.

The cultivator shank features adjustable, automatic reset coil springs with a maximum trip pressure of 1200 pounds at the point. The hardened steel shank point is replaceable. Double-edge shares are reversible and available in 17", 19", 21", 25" and 27" sizes to fit the applications of various row widths. Half-inch ID "T" liquid fertilizer tubes are welded to the back and under-side of the shank. The tubes allow side-dressing of liquid fertilizer approximately 10 inches from the row (30-inch rows).

Additional options include rotary hoe crop shields, weeding discs, ridging attachments, liquid fertilizer application packages (featuring piston pump and flow divider), and a rear-mounted telescoping hitch.

The John Deere 12-row narrow (30-inch spacing) rigid-fold Max Emerge 2 planter features a rigid frame in the planting position that is well suited for level to gently rolling land and for soft soil conditions where flotation is important. The planter folds easily to a transport width of 15 feet.

Deere Expands Planter Line

MOLINE, Ill. — John Deere has added a 12-row narrow rigid-fold and 24-row narrow flex-fold planter to its line of front-fold MaxEmerge 2 planters. In addition, the company announced improvements to its 12-row narrow flex-fold model.

The new narrow (30-in. spacing) rigid-fold planter provides a rigid frame in the planting position, yet folds easily for a narrow transport width of 15 ft. The rigid design is well suited for level to gently rolling land and for soft soil conditions where flotation is important.

The planter's hydraulic system features a high-lift-capacity master cylinder located on top of the mainframe for easy access. Double-acting lift cylinders and limited flow restrictions combine for productive raise/lower times. The absence of a bypass valve and lift system flow dividers provides consistent raise/lower performance and contributes to hydraulic system reliability and simplicity.

A service conduit along the draft tube encloses the wiring harnesses and hydraulic lines for protection and easy access should servicing be required. All solenoids have double leads with Weather Pak® connections for added reliability.

The 24-row narrow flex-fold planter has the most capacity and productivity in the Deere line. The

3-section frame provides flexibility for consistent, accurate performance along terraces and on rolling and level ground.

The hydraulic system's limited flow restrictions provide responsive raise/lower times. In the transport mode, "kicker" cylinders on each transport wheel raise the planter an extra 10 inches for increased clearance. The planter folds to a compact 15-ft. width for transport, and all folding and unfolding operations are done from the tractor seat.

Deere recommends a four-wheel-drive tractor with at least 190 horsepower to properly handle this large planter. The company says its 200-hp 4955 with MFWD may be suitable when planting in firm soils and on level ground.

The 24-row narrow flex-fold will be built to individual customer orders, allowing customers to equip it as needed with a broad range of options.

A completely new hydraulic system provides improved performance and reliability for Deere's 12-row narrow flex-fold planter. A new master cylinder automatically rephases the system, eliminating the need for a manual procedure used on the former model. Faster raise/lower times are provided by double-acting lift cylinders, less restrictions in the system, and the elimination of the bypass valve and flow dividers.

The hydraulic system has been redesigned so no lines pass through the center pivot area. Like the new 12-row rigid-fold planter, all lines and wiring harnesses are easier to get at because they are enclosed in a service conduit that runs along the draft tube. Double leads with Weather Pak connections increase the reliability of the solenoids.

A stronger two-section flexible frame and larger pivot pin increase the durability of the planter. The flexible frame design enhances performance on rolling land, terraces, and firm level ground.

Folding is quick and easy, requiring the operator to leave the tractor only to engage the transport locks. Transport width is 15 ft.

The John Deere vacuum seed meter system is standard on the John Deere front-fold line, which also includes the 12-row wide and 16-row narrow flex-fold planters. The vacuum meter features a new vacuum dome and seal design that increases system efficiency and ensures even vacuum level at each row. The meter selects each seed individually using gentle vacuum pressure for accurate spacing.

A wide range of attachments is available to tailor John Deere front-fold MaxEmerge 2 planters to the planting practices and specific needs of farming operations.

Success Of Ag Industry Will Attract Personnel

MINNEAPOLIS, Minn. — In a speech recently to members of the American Seed Trade Association (ASTA), Northrup King President and Chief Executive Officer Kent Schulze challenged agriculture to aggressively promote the real successes and opportunities of the industry in order to assure an ongoing source of qualified personnel.

The Schulze speech, delivered at ASTA's 37th Annual Farm Seed Conference in Kansas City, Mo., addressed the agriculture industry's mounting concern over its ability to continue to attract talented people. In his speech, Schulze cited recent studies which show a 24% decrease in agricultural college enrollments since 1975, and a probable 11%-15% shortage of qualified ag graduates by 1995.

"If we want the best people, agriculture, we must stop feeling sorry for ourselves and start talking about the opportunities that await those people who join the industry," Schulze said.

Schulze provided a retrospec-

tive on developments in the agriculture industry that may have contributed to faulty perceptions of ongoing malaise. He attributed reduced ag enrollments to false impressions that the industry has yet to recover from the financial problems affecting it in the 1980s.

"The down cycle in agriculture accelerated already declining enrollment," Schulze said. "And we never quite recovered. Agriculture recovered, but the perception of agriculture did not."

According to Schulze, the most effective way for the industry to heighten interest in agriculture as a career is by increasing awareness of the vitality and potential of the industry. He characterized this potential with current statistics that show a 22% increase in value of the total Western world seed corn market since 1986. Now at \$2.7 billion, this market is expected to grow another 44% during this decade.

He also emphasized the industry's commitment to research and development, and the sizable investment in new technologies --

such as genetic engineering and gene mapping techniques -- that are not only improving crop performance, but are creating new employment opportunities within the industry.

In his remarks, Schulze said that the industry should continue to support existing programs through 4-H, Future Farmers of America, ag schools, and other industry organizations which have been effective historically in

encouraging careers in agriculture.

Finally, Schulze encouraged the industry to consider talent from beyond ag schools proper. "We have to look for alternative sources of good people," he said. "We'll have to recruit candidates from a broad range of backgrounds and supplement with internal training and education programs."

Simmental Bulls Set Test

BOZEMAN, Mont. — Simmental bulls, entered by Bill Giersch, owner of Shiloh Simmentals in Salina, Kansas, have turned in superior performances at the Kansas Bull Test Station.

Shiloh won the coveted Sire Group Award with three "DS Pollfleck 809" sons. The three bulls posted an average Weight Per Day of Age (WDA) of 4.04 pounds, and all 112 Simmental bulls in the test, posted average WDA of 3.52 pounds.

Individually, the number six

bull in this group set a new station record by posting a 4.43 WDA. He also established a station record for heaviest bull coming off test at 1,695 pounds.

His 365-day weight was 1,600 pounds. His average daily gain was 4.91 pounds on 140 day test, and he led all bulls with an index of 122.

Giersch is past chairman of the bull test committee and has been testing bulls at the Beloit Bull Test for 17 years. He had previously

won several sire group and individual bull tests.

DS Pollfleck 809 sired the winning group and is co-owned by New Breeds Industries, Manhattan, Kansas and Select Sires, Plain City, Ohio. He was bred by Dickinson Simmentals, Gorham, Kansas.

Of the 160 bulls entered in the Bull Test, 112 were Simmental. Other breeds entered were Angus, Charolais, Gelbvieh and Red Angus.