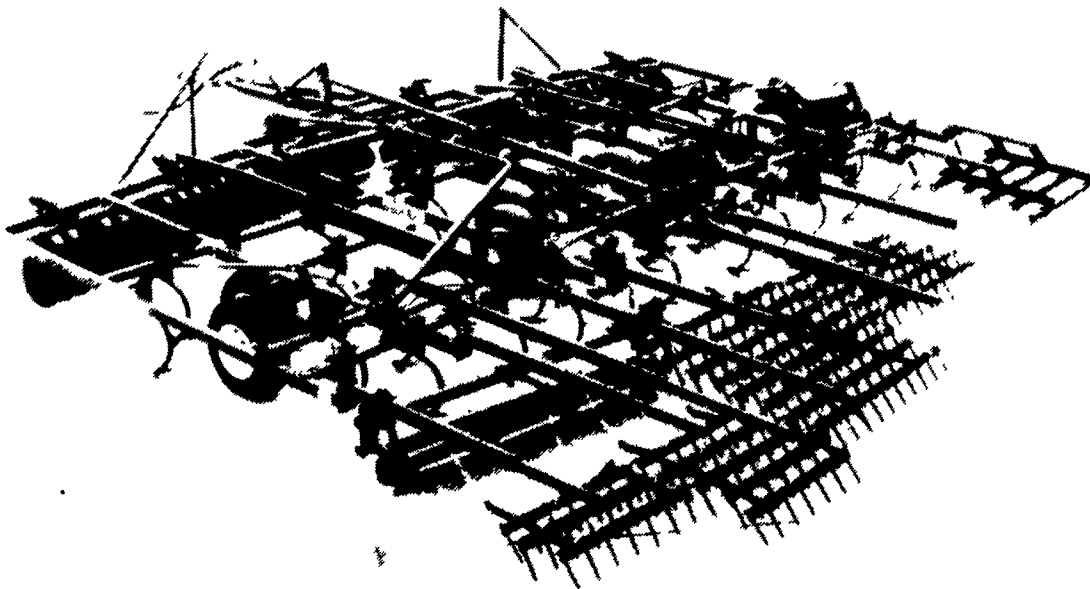




## Business News



The Glencoe SF4500 1-pass soil finisher combines the tillage action of a disc and field cultivator to save on fuel costs, reduce field compaction, and produce quality seedbeds that lead to healthy crops.

### Farmhand Soil Finisher Meets Compliance Requirements

EXCELSIOR, Minn. — A rugged new secondary tillage tool to exceed compliance requirements with maximum profit has been introduced by Farmhand, Inc.

The Glencoe SF4500 1-pass soil finisher combines the tillage action of a disc and field cultivator to save on fuel costs, reduce field compaction, and produce quality

seedbeds that lead to healthy crops. In addition, erosion control is maximized to meet compliance requirements.

Improved down-pressure on the spring-loaded disc gangs and the addition of 16" cut-out feathering blades provides excellent field leveling. The hitch is designed to improve the draft angle and reduce machine stress. Four

optional leveling attachments, including a new 8-bar spike tooth flex harrow and a 5-bar coil-tine harrow, allow machine setup for specific soil and residue conditions and incorporation needs.

The SF4500 has four rows of shanks spaced 30" between rows for ideal soil-stirring action. Underframe clearance is 21".

Nine models of the SF4500 are

## Sugar Beet Growers Have Option With Fungicide

GREENSBORO, N.C. — Growers now can choose between two Ridomil® formulations to protect their sugar beets from several soil-borne diseases.

Recently approved by the Environmental Protection Agency (EPA) for use on sugar beets, granular Ridomil 5G offers systemic protection against seed and root rots and other diseases caused by *Pythium* spp. Its liquid counterpart, Ridomil 2E, previously received EPA approval.

Both formulations are manufactured by Ciba-Geigy and have successfully controlled similar diseases in more than 100 crops for the past five years.

Dr. Bobby Bassi, phytopathology specialist for Ciba-Geigy, summarized research results from 31 university and Ciba-Geigy sugar beet trials conducted in California, Michigan, Minnesota, Montana, New York, North Dakota, and Oregon from 1981 through 1991. He said the tests show Ridomil increases sugar beet stands by an average of 13 percent. This includes either formulation and all years, rates, and application methods.

Both Ridomil 5G (applied at 20 to 40 pounds per treated acre) and Ridomil 2E (applied at four to eight pints per treated acre with sufficient water or liquid fertilizer) protect vulnerable seedlings as they emerge. Actual rates can be varied with anticipated disease pressure.

Applications can be preplant

available, from a 12' rigid frame model to a 38'3" folding wing model. All models carry Farmhand's new 5-year shank and leaf guarantee.

For more information, contact Farmhand, Inc., P.O. Box 1500, Excelsior, MN. 55331, (515) 236-6571.

incorporated or surface applied (broadcast or banded). Both broadcast and banded applications are recommended. However, growers can achieve significant savings with banded applications, and performance is equal to broadcast.

Bassi explained that fields planted early to mid-season and/or that have a history of stand establishment problems due to *Pythium* are most apt to benefit from a surface-applied fungicide program. He said that these criteria fit more than 30 percent of U.S. sugar beet acres.

"Other factors such as limited crop rotation schedules, deeper planting depths, excessively wet weather, poorly drained soils, and over-irrigation need to be figured into the equation," said Bassi, "since these factors can greatly increase *Pythium* problems."

Bassi said that good management can alleviate some disease pressure, but the added protection of a fungicide often is needed.

"In high disease situations, even the best cultural practices can't prevent infection," he said. "Ridomil stops disease before it has the chance to reduce sugar beet stands, yield, quality, and profits. In many cases, it can mean the difference between whether or not a grower needs to replant."

### A LESSON WELL LEARNED...

LANCASTER  
FARMING'S  
CLASSIFIED  
ADS

GET RESULTS!

Phone:  
717-394-3047  
or  
717-626-1164

## Deere Captures 5 Engineering Awards

MOLINE, Ill.— For a second consecutive year, five design innovations developed by John Deere engineers were among the 50 outstanding new developments in technology recognized by "Agricultural Engineering", the magazine of the American Society of Agricultural Engineers (ASAE).

Among the designs listed as "The Agricultural Engineering 50" for 1991 were a closed handling system for corn soil insecticides (a cooperative effort with American Cyanamid Company, Wayne, N.J.), a sectional combine knife, and a threshing concave grid insert from the John Deere Harvester Works in East Moline, Ill.

Also included were the power boost and bulge features of an electronically controlled fuel system from the John Deere Product Engineering Center in Waterloo, Iowa, and the Model 9960 MVP (Most Versatile Picker) cotton picker from the John Deere Des Moines Works in Ankeny, Iowa.

"The AE 50" awards salute technological advances that benefit farmers, processors, and equipment makers by reducing cost, enhancing quality and profitability, and making American agriculture more competitive.

Last year the awards included three designs created at the John Deere Ottumwa Works and two

produced by engineers at the Des Moines Works.

Unique this year was recognition of a cooperative effort by engineers at John Deere Harvester Works and at American Cyanamid Company. The effort produced what Cyanamid calls the LOCK 'n LOAD™ closed handling system, which minimizes a farmer's exposure to corn soil insecticides, including COUNTER® systemic insecticide-nematicide and THIMET® soil and systemic insecticide.

The dispensing valve on the chemical container connects to the receiving valve on the special hopper lids for John Deere Max-Emerge® and MaxEmerge® 2 planters. The two valves open only when coupled and automatically close when uncoupled. Because there is no need to open bags of insecticide, the possibility of insecticide dust blowing onto the user is minimized. And, because the LOCK 'n LOAD™ containers are returnable and refillable, environmental hazards resulting from on-farm disposal of empty insecticide packaging are reduced.

Serviceability advantages earned Harvester Works engineers recognition for the Litening Bolt™ sectional combine knife and the threshing concave quick attach grid insert.

The sectional combine knife,

for use on 13- to 30-foot cutting platforms, splits the traditional cutting knives into easily handled sections, making shipment and installation of replacement knives faster and more economical.

The threshing concave quick attach grid inserts for John Deere Maximizer™ combines take only about 15 minutes to install or remove. They allow the operator to tailor his combine for optimum threshing and separating performance. In corn and soybeans, the inserts may be either installed or removed as determined by crop conditions. Normally, the inserts are not used when harvesting small grain.

The engine power boost and bulge features on John Deere Model 9500 and 9600 combines provide performance advantages for farmers. The electronically controlled fuel system delivers up to an extra 13 horsepower when unloading on-the-go, which enables the operator to continue to harvest without substantially reducing ground speed. (For 1992, John Deere has increased the power boost feature on the 260-hp 9600 combine to 25 horsepower.)

In addition, the power bulge feature provides up to 13 more horsepower when engine rpm drops below rated speed for more lugging ability in tough harvest conditions.

The John Deere 9960 MVP cot-

ton picker is the world's first spindle picker designed to pick 30-inch solid planted cotton. The versatile 9960 easily adapts to 11 different row spacings including five-row narrow, four-row narrow and wide, as well as numerous skip-row patterns.

Other 9960 features include the convenience of an on-board lubri-

cation system (standard equipment), gear-driven doffers for increased reliability and less maintenance, and the added protection of a slip clutch for every picking drum unit.

Exceptional innovations in product or systems technology are selected annually by a national panel of engineering experts for "The AE 50" awards.



The engine power bulge and boost features of the electronically controlled fuel system on the John Deere 9500 and 9600 Maximizer combines have been named to "The Agricultural Engineering 50" outstanding innovations in product or systems technology for 1991 awarded by Agricultural Engineering magazine. Five John Deere products received the honor in each of the last two years.