

Unverferth's new rear-folding, patented corner auger grain carts provide 100 percent unloading visibility, making the cart easier to maneuver and unload. The unique auger position also permits users to view into the tank without climbing over the auger.

Grain Carts Have 710-, **525-Bushel Capacities**

KALIDA, Ohio --- Unload on-the-go with the new Unverferth models 7000 and 5000 grain carts with capacities of 710 and 525 bushels, respectively.

Unverferth's new rear-folding, patented corner auger grain carts provide 100 percent unloading visibility, making the cart easier to maneuver and unload. The unique auger position also permits users to view into the tank without climbing over the auger.

With submerged auger intake and heavy duty gearbox, these carts unload quickly and completely, at up to 250 bushels per minute. Combining this heavy duty gearbox with a computer balanced auger and spring loaded top bearing, this machine unloads consistently with minimal maintenance.

Standard features of this new

grain cart include fully primed and painted with producer's choice of tractor green or red, Lexan-sealed seams for longer box life, augermounted light for nighttime unloading, flashing amber lights for safer road travel, and front and rear viewing windows for checking volume of grain.

Unverferth grain carts also feature hydraulic flow control with position indicator, fully charged hydraulic hoses and ISO couplers, auger position indicator, and a variety of wheel and tire options.

Optional scale package can be ordered with the cart or as an easy retrofit for checking yields on the go.

For further information, contact Unverferth Manufacturing Co., Inc., P.O. Box 357, Kalida, OH 45853, (800) 322-6301 or (419) 532-3121.

Hoffman Seeds Sponsors Wheat Field Day

LANDISVILLE (Lancaster which markets Baytan seed treat- tions and treated with varying - Hoffman Seeds, Inc. recently sponsored a wheat field day at the Jim Kettering Farm in Manheim. Cosponsors were Ciba Plant Protection and Gustafson, Inc.

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er Pump Company) have signed

an agreement to jointly develop

SmartBox, a new system for pack-

aging, handling, and applying

working together on the SmartBox

unit, we anticipate being able to

have the system commercially

available by 1995," said Tom

Hashman, technical business man-

system," said Joe Gerling, senior

research engineer with DuPont's

Application Technology Group.

"It not only eliminates a farmer's

exposure to insecticide granules,

but promises to greatly improve

application rate control as well."

package made of heavy-duty plas-

tic that mounts on a corn planter in

place of the planter's insecticide

SmartBox is a closed-system

"SmartBox is a very promising

"By pooling resources and

granular soil insecticides.

ager at Zeneca.



Zeneca Ag Products, DuPont, and Scienco Products have signed an agreement to jointly develop SmartBox, a new system for packaging, handling, and applying granular soil insecticides. Shown with a SmartBox prototype unit are, left to right, Jim Rodebush, Zeneca technical service representative from lowa; Paul Nolte, englneering manager, Scienco Products; Joe Gerling, senior research engineer, DuPont Application Technology Group; and John Thieme, Zeneca technical service representative from Illinois. A limited number of SmartBox systems will be field-tested by universities and growers in 1993.

Zeneca, Dupont, Scienco Sign Agreement

WILMINGTON, Del. - Zenhoppers. It comes equipped with an electronically controlled metereca Ag Products (the new name for ICI Agricultural Products), ing system, and is returnable and refillable. DuPont Company, and Scienco Products (part of Ingersoll-Dress-"The SmartBox would replace

insecticide bags, insecticide boxes on planters, and existing metering systems," said Paul Nolte, engineering manager with Scienco Products. "One key advantage is that the metering system is tied into a radar that measures ground speed. The application rate is consistent even if the tractor speeds up or slows down."

Hashman said that precise rate control with the SmartBox could allow the use of insecticides formulated for lower use rates.

"This would mean less product to handle and more acres covered

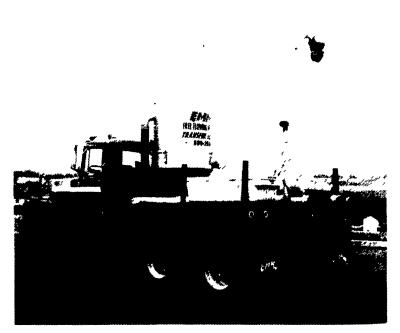
by each box of insecticide," he said. "It's possible that a 12-row planter, using a low-rate formulation of Force soil insecticide, could cover 500 to 1,000 acres of corn on one set of SmartBox containers."

Zeneca markets Force and Dyfonate II soil insecticides. The company is providing Force in SmartBox systems to universities and growers for field trials in 1993.

DuPont is developing Fortress soil insecticide (EPA registration pending) for future commercialization.

The companies plan large-scale field testing of SmartBox in 1994, followed by commercial introduction for the 1995 season.

Unit Transfers Feed



The test plots consisted of thirty wheat varieties, including public and competitive brands. Varieties were planted at varying popula-

Mulch Mowing Gives Lawn Benefits

BOB TRACINSKI Consumer Information John Deere RALEIGH, N.C. - What's better for a lawn? To recycle grass clippings with a specially-designed mulching mower? Or to use a regular side-discharge mower and simply follow the one-third rule?

It used to be that experts said any mower is a mulching mower if you cut the lawn often enough to remove only one-third of the grass blade in any one mowing. But times have changed. Recent university research by Texas A&M has shown that lawns actually benefit from being mowed by a mulching mower. It's called TLC. In this case, TLC stands for thin layer composting. Think of the grass clippings forming a thin compost layer across the lawn.

The university study showed that longer clippings left by an old side-discharge mower without special mulching attachments actually creates a condition that encourages the development of fungus diseases. And most diseases that attack a lawn are caused by one kind of fungus or another.

Seventy growers from the eastern Pennsylvania area attended the annual event. They were able to view lodging, powdery mildew, rust, leaf spot, and other diseases common to wheat. Representatives from the sponsor companies were on hand to answer questions. Plots will eventually be rated on maturity, yield, standability, plant height, head length, test weight, and disease resistance. Treatment comparisons will also be evaluated.

Hoffman evaluates 20-30 wheat varieties each year. The testing program for 1993 includes replicated yield trials from Virginia through Pennsylvania, on-farm strip trials from Virginia through New York, and all university trials in the east.

LITITZ (Lancaster Co.) — A custom handling unit for free-flowing grain and feed is in service here at Eastern Mobile Mills.

With a capacity of 3,000 bushels per hour, the unit transfers materials to and from trucks, railroad cars, bins, and pits. It was used recently on several large spills. For more information, contact EMM Sales and Service, Lititz, (717) 626-4762.

