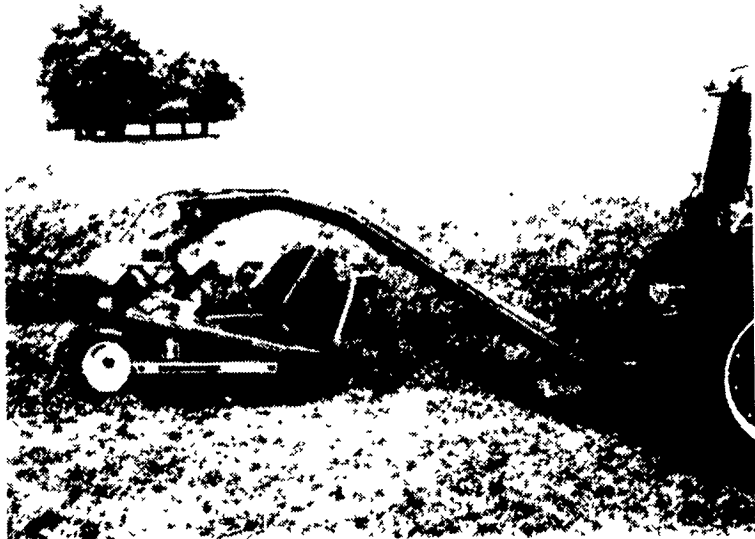




BUSINESS NEWS...



The new large-capacity International Harvester 12-foot-wide 1490 and 14-foot-wide 1590 mower-conditioners feature over-the-top carrier frame construction, a reliable oil bath knife drive system, overshot augers, and 540 rpm pto-driven hydraulic pump and motor system.

IH announces wider MC's

CHICAGO, Ill. — The main features of International Harvester's field-proven 1190 mower-conditioner are now available in 12- and 14-foot sizes with the introduction of the new 1490 and 1590 models for 1984.

These new mower conditioners with hydraulic center pivot tongues, are designed for dependable performance on either level or rolling terrain due to their lateral and vertical header flotation system.

Over-the-top carrier frame construction suspends the conditioner's header from above, smoothing header movement and keeping it from binding, IH officials say. An optional lockout attachment restricts lateral float while cutting in hilly fields and vertical flotation is still maintained.

Mated with the floating header is a reliable oil bath knife drive system that develops 800 cycles per minute. Double-forged steel guards resist breakage and assure proper alignment for optimum cutting potential.

John Buse, product manager for International Harvester, says an overshot auger system is an integral factor in the new models' design. The system ensures lighter, fluffier windrows and decreases crop damage.

"The overshot auger requires less horsepower to operate than typical undershot system, thus improving fuel economy," Buse says. "Both models require only 60 horsepower to operate and can be run smoothly at speeds up to seven miles per hour under normal field conditions."

Both models feature a 540 rpm PTO driven hydraulic pump and motor which powers the sickle bar, conditioning rolls, reel, and overshot auger systems.

The center pivot tongue allows the operator to pivot the hitch from the right to left side of the unit without leaving the control center. Such movement allows the operator to cut long rows on the same side of a field, as can be done with a self-propelled unit.

The center pivot tongue also allows better movement over roadways, at speeds up to 20 mph, with a transport width of 166 and 190 inches, respectively. Weight is 4,041 pounds for the model 1490 and 4,720 pounds for the 1590 model.

Buse says an adjustable push-over bar assures top cutting performance in crops of all sizes. The swath-windrow control is adjusted easily by moving one pin on the fixed windrow hood.

International Harvester's conditioning rolls automatically adjust roll pressure depending upon amount of crop being fed through the conditioner. The hydraulically controlled rolls allow slugs to be cleared easily while the operator stays in the tractor control center.

HOLLAND PATENT, N.Y. — An upstate New York dairy complex designed and built by Agway Inc. has won the Building of the Year award from the National Farm Builders Association (NFBA).

The structure, erected at Viktoria Farms in Holland Patent, N.Y., also won a Superior Merit award from the Metal Building Component Manufacturers Association (MBCMA).

Both awards were presented at the recent annual Farm Builders Show in Nashville, Tenn.

Although Agway has won the top NFBA award in four out of the last seven years in the commercial category, this is the first time it has won in the strictly agricultural area. The NFBA award is based on outstanding achievement in design and construction of a post-frame building. The MBCMA criteria call for both originality and practicality.

According to John Wolgemuth, Agway building and engineering manager, the custom-designed Viktoria Farms project has become something of a showplace among dairy buildings. The complex includes a 65'x240'x8' timber column dairy barn, with an attached 36'x90'x14' hay storage and 36'x36'x9' combination office, milk parlor and utility room.

What sets it apart from more ordinary dairy buildings are stainless steel tie stalls for 200 cows, along with 1x6 v-joint diagonal pine siding on the interior walls. Other special finishing touches include a painted steel ceiling and painted steel exterior

CHICAGO, Ill. — No other tillage operation affects the profitability of producing a crop more than the delicate science of planting. If the crop is not planted right, there could be reduced yields at harvest. The planter has evolved into one of the most important pieces of equipment a farmer owns today.

That's why it is imperative producers keep their planters in proper operating shape, according to Mike Thurow, International Harvester marketing planning manager.

By following a few simple maintenance steps, Thurow says producers easily can decrease possible downtime.

Modern planters include basic features that provide for accuracy, speed and simplicity, Thurow says, adding that manufacturers have kept planter designs simple.

"All planters are designed to accurately put seed in the ground," Thurow notes. He emphasizes that proper maintenance ensures against any wear and tear that might offset that accuracy from year-to-year.

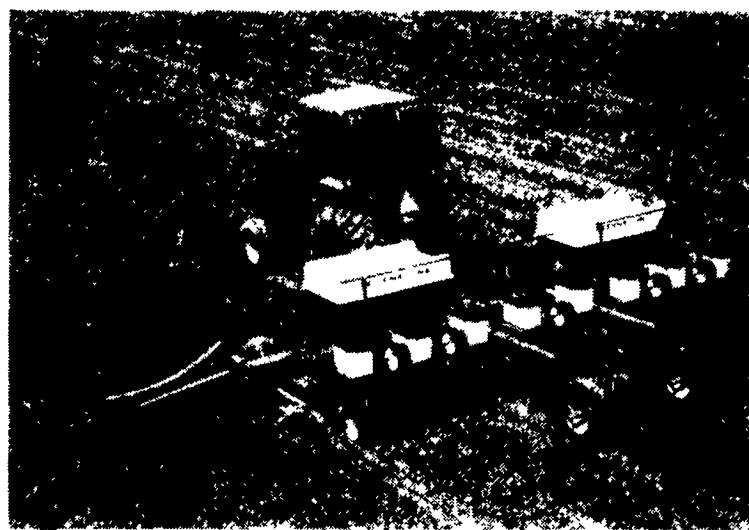
To fully utilize equipment, Thurow says producers should understand its function, then maintain it for optimum performance each season.

Maintenance should begin with the planter's disk openers — a leading and trailing disk — carefully inspected for wear. The leading disk normally begins forming a groove where the two units touch. When that groove reaches one-third the thickness of the disk, it should be switched with the trailing disk.

Producers also should inspect the furrow firming point in the opener shoe, Thurow says, since excessive wear can affect seed spacing and seed-to-soil contact.

On air planters, the condition of the seed cutoff brush within the air-type planter drum also is important. It should be inspected for wear and replaced if necessary.

Due to the extensive drought of 1983, seed size variation is expected to create a problem this



Proper planter function begins with a thorough inspection and year-round maintenance program.

season, Thurow notes. He says a bag of seed corn with 80,000 kernels normally weighs about 55 pounds, but may weigh only 30 pounds this season.

Seed size variation may cause plant population accuracy problems for producers with plate-type planters. Air planters easily can be adjusted to compensate for seed size.

For example, on the International Cyclo Air planters, a popcorn seed drum may be necessary if corn kernels are extremely small. Thurow says changing seed drums from one crop to another is simple.

Two key problem areas that must be checked when planting any crop are the seed openers and the seed selection mechanism.

Seed openers, whether runners or double disk, should be checked carefully for wear, obstructions and proper function. This is a critical area, which determines the proper placement of seed in the row. Any stoppage or malfunction has a direct effect on the desired plant population.

Another critical area for all planters is the seed mechanism. It should be checked for worn or broken parts.

Plate-type: Worn or sticky cutoff

pawls and knockout rollers should be replaced by corrected for free movement. Seed plates should be checked for wear or damage.

Air-type: Check the seed tubes for foreign material or potential stoppages. These may be cleaned by pulling a piece of cloth through the tube similarly to cleaning a gun barrel. Check for damaged or poor fitting seals that might cause air pressure leaks. Inspect the seed cutoff brush for wear and replace if necessary.

"Seed quality cannot be improved by the planter. But a properly adjusted planter can give producers an edge against the weather," Thurow explains. "Since there are very few good days available during the spring planting season, a minimum of breakdowns and stoppages let producers take advantage of the good days, which play a vital role in determining final yields."

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Dairy complex by Agway is honored

siding, and an aluminum roof.

The complex, which is owned by Dr. Michael Lenth, of Germany, also includes a 50'x120'x14' timber column semi-solid manure storage building which Agway designed and erected.

Agway also received an MBCMA honorable mention in the commercial category for the Tice Farms Mall building project in Woodcliff Lake, N.J.

The building and engineering

department of Agway has become well-known throughout the Northeast for its customized timber column farm buildings, including turnkey dairy buildings, manure storage facilities, and the full range of traditional agricultural buildings.

But Wolgemuth pointed out that although Agway logically is very involved in the farm building market, slightly more than half of

its business today is in nonfarm construction. The department will handle anything from a small convenience retail store to medium-size buildings such as the \$2.1 million Magnavox CATV factory administrative building, which it recently completed.

Along with industrial facilities, Agway Building and Engineering also builds offices, warehouses, garages and municipal buildings.



This dairy complex designed and built by Agway has been awarded double honors.