

# IH introduces new wider MC's

CHICAGO — The rugged durability and dependability of International Harvester's field-proven 1190 mower-conditioner is 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 trouble-free, dependable performance on either level or rolling terrain due to their lateral and vertical header flotation system.

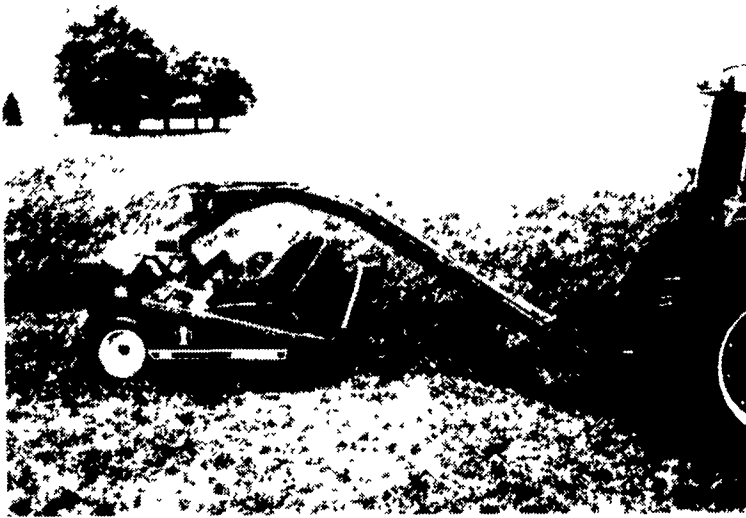
Over-the-top carrier frame construction suspends the conditioner's header from above, smoothing header movement and keeping it from binding, International Harvester officials say. An optional lockout attachment restricts lateral float while cutting in hilly fields, vertical flotation is still maintained.

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 systems, 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



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.

overshot auger systems. "This system eliminates driveline chatter," Buse says.

Valuable field time is saved by the wider equipment. 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 of the same side of a field, as can be done with a self-propelled unit.

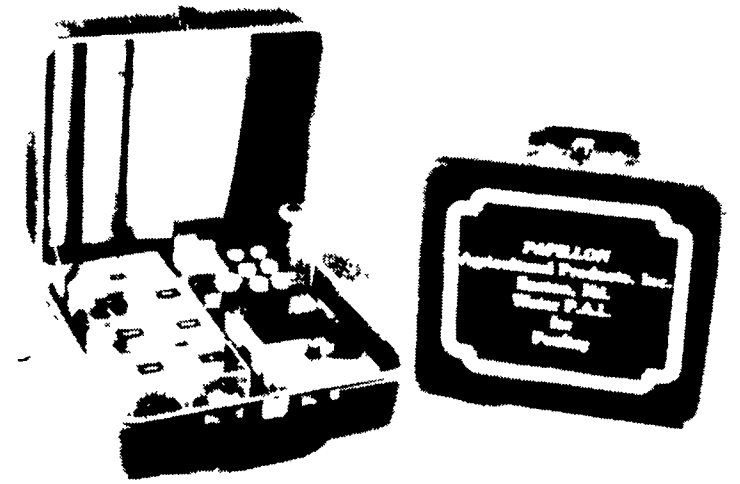
The center pivot tongue also allows better movement over roadways, at speeds up to 20 mph, with a transport width of 166 and 190 inches, respectively. Weight is 4,600 pounds for the model 1490 and 4,900 pounds for the 1590 model.

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.

The conditioning rolls (106 inch) are precision machines and balanced, to provide minimal maintenance and trouble-free, long-term operation. Wear-resistant rubber discs are compressed onto the roll shaft, then machined to exacting tolerances for unsurpassed accuracy. Other systems that use molded rubber over steel, are subject to checking or splitting. Knife and reel drive belts can be



## Portable analytical lab for poultry water introduced

EASTON — Papillon Agricultural Products, of Easton,

MD. has introduced a portable analytical laboratory (PAL) for poultry water.

changed in just minutes, and the oil bath knife drive, and snap-on reel tine bushings reduce maintenance time.

Features that other manufacturers offer as options on many units are standard on both models, including double-forged steel guards, knives with heavy-duty underserrated chrome-sections, hitch extensions, adjustable jack stand, built-in hydraulic lift, tall crop dividers on the header, adjustable push-over bar, wide adjustable gauge shoes, safety chain and lighting for highway transport, tool box and a spare knife storage compartment.

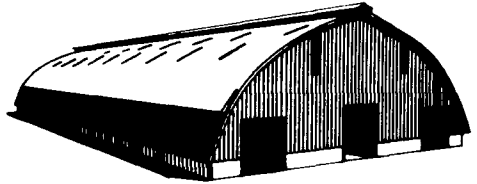
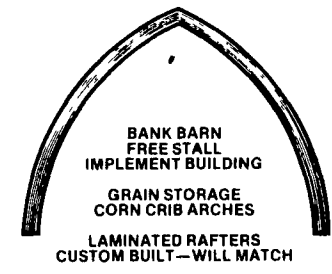
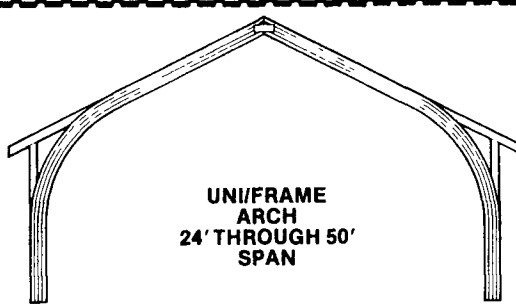
Options include a header lateral float lockout device, tine bars for converting a four-bar reel to a five- or six-bar unit, and extra gauge shoes for the 1590 only.

This completely portable laboratory utilizes a battery powered colorimetric analytical procedure to provide the user with a fast highly accurate, quantitative analysis of poultry drinking water.

The PAL has the capacity to analyze for nitrates, nitrites, phosphorus, fluoride, Ph, sulfate, iron, turbidity, (Jackson turbidity units) and total hardness.

The entire series of nine tests only takes a few minutes to run and costs less than 40 cents per test.

The Papillon poultry water PAL has been specifically designed to allow poultry producers to regularly monitor their source of water and to quickly identify potential problems before significant damage is done.



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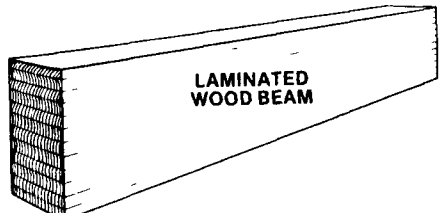


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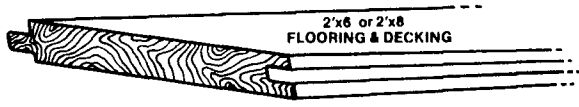
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