

WHAT'S NEW

Accurate planting at 8 mph

CHICAGO, Ill. — International Harvester's Agricultural Equipment Group has announced its new line of 800 Series Early Riser Cyclo Air and Plate Planters with advanced electronic controls for faster, earlier planting, and earlier rising crops.

In announcing its new line for last 1980 production, the company said its new models represent the most significant advancement in planter technology since the IH Cyclo Planter was developed in 1971, using air meter seeds into the ground.

Developed at a cost of more than \$25 million, with more than 30 patents pending, IH has tested the new units in over 35,000 acres of crops in four countries since 1977, including 20 states in the U.S.

Equipped with an improved metering system plus a new row unit, IH's Cyclo air models have up to 30 percent improved "in-row" seed spacing, at speeds up to 8 mph, in most crops, even in trashy conditions. This is at least 33 percent faster than the recommended speeds of most competitive models, IH said. Calling its new plate planters the most productive in their class, IH said they have many of the new features found on the air versions.

Other features on the plate units include the row unit for faster, more uniform, seed germination and emergence; new and improved features that don't require tools for greater ease of operation and faster adjustment; and new electronic controls for "worry free" performance.

Featuring a dramatic new look, IH said that the new line retained only 113 parts from the previous models, but significantly increased parts commonality between models, up from 13 to 43 percent. Including new row units, new frames, and new

electronic markers, increased parts standardization also contributes to better quality control and parts availability to customers, IH said.

"With today's rising costs, the importance of timeliness, and concern about weather, there can be little room for error in planting," said Stanley F. Lancaster, vice president and general manager for IH's Agricultural Equipment Group, North American Operations. "That's why these planters are designed for faster, earlier planting, earlier rising crops."

In discussing its new row unit, IH said that this assures superior seed placement and soil/seed environment.

Providing a new planting system based upon the principle of "the last soil out is the first soil in", IH said this leads to faster, more uniform seed germination and emergence, because moist soil is returned to the area surrounding the seed.

"These new row units represent a dramatic advancement in the art of creating an optimum environment for seed placement," said Harold Boyanvosky, manager, Crop

Production, who heads IH's team of engineering, manufacturing, marketing and finance representatives that developed the new line.

Essentially, the new row unit refines the principle of placing seed into the ground, utilizing exclusive staggered 14-inch double disc openers, exclusive equalizing gauge wheels with unique "moisture saving" tires, an IH patented replaceable furrow firming point, new twin inverted covering discs and wide, flexible press wheels.

New on the unit are the equalizing gauge wheels which gauge furrow depth equally, plus a special feature on the tires. Special "moisture saving" grooves trap moist soil along side the trench for uniform soil cover.

The exclusive furrow firming point provides the narrowest "V" furrow in the industry, another new benefit. This is a result of using narrower openers, and a new and exclusive metal seed shoe for better depth control, he said.

Additionally, new twin covering discs redeposit the moist soil directly over the seed, assuring that "the last soil out is the first soil in," another IH exclusive.



New from IH is this Early Riser Cyclo Air planter, which can plant with 30 percent improved "in-row" seed spacing accuracy up to eight mph in most crops, depending on population needs. Early Riser models are also available in plate version.

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