

Case Unveils Next Generation Combines

RACINE, Wis. — During Case IH business meetings held recently in Milwaukee, Case unveiled the next generation of its popular 1600 Series Axial-Flow® combines.

The new Case International 1644, 1666, and 1688 combines, which will be available early in 1993, deliver significantly higher horsepower than their predecessors. They also incorporate new technology that provides higher air quality to the cleaning system. Many other changes have been made for enhanced performances and reliability.

The axial-flow design introduced in 1977 remains a Case exclusive, according to the company, providing a gentler, more efficient harvest for better quality

grain and more of it, according to Gerry Salzman, Case product manager-combines. "During the last few years, we've continued to make numerous upgrades in our Case IH combine line, taking an excellent product and making it even better," he said.

Horsepower up but not rpm

Advances in engineering have made it possible for Case to increase horsepower on these new combines while actually reducing engine rpm on the two larger models. The 1644 is rated at 180 PTO horsepower at 2500 rpm, and the 1666 and 1688 deliver 215 and 260 horsepower, respectively, at 2200 rpm. These ratings are 20 to 25 horsepower higher than in the 1640, 1660, and 1680 combines,

which the new units replace.

"Keeping engine rpm down with these higher horsepowers means longer engine life, and that's a quality factor that's important to our customers," said Salzman.

In fact, Case has made several modifications to accommodate the increase in horsepower, including enlarging the air cleaner, hydraulic oil cooler, and radiator as necessary on respective units to handle increased demands on air flow and engine and hydraulic cooling systems.

Salzman indicated that the other key feature of the new combines is the cleaning system. "We've applied a longer chaffer and shoe sieves, as already developed for the 1680, to all three units," he said. This increases the cleaning area by more than 20 percent, which reduces sensitivity to crop variations.

"For the customer, that means better utilization of the threshing and separating capacity of the Axial-Flow rotary system," he said.

New fan distributes air evenly

"But what really puts the extra capacity to work for the customer is the new Cross Flow™ fan our engineers have developed. It distributes air evenly over the entire sieve area," he said. "This is patented technology offered only on Axial-Flow combines. It alleviates high-velocity air pockets that can blow grain out the back of the combine."

According to Salzman, the chevron pattern and cupped blade design of the Cross Flow fan generate more air volume at a fraction of the previous fan's horsepower



The new Case International 1644, 1666, and 1688 combines, which feature higher horsepower and a superior cleaning system, harvest better quality grain and more of it.

requirements, and noise from the fan is minimal.

"Our customers who have test-operated pre-production units have been especially impressed with the fact that the new cleaning system hardly requires any adjustments," said Salzman. He added that some customers actually said they didn't need to adjust the sieves for an entire crop season.

Changes improve reliability, serviceability

Another important change Salzman noted is that the feeder reverser drive chain on the new units features a high-temperature "O"-ring design. "While we still recommended daily lubrication, the chain is effectively sealed

from dust and dirt. We've found the design extends chain life by 200 percent or more," he said.

Bolt-on feeder chain slats are standard equipment on the new models because they can be replaced much faster than riveted slats. The stalk roll bearing on corn heads has been replaced by a sealed water pump bearing to increase life and eliminate daily servicing. A split drive on grain headers provides better balance and longer life for drive components.

"These and other changes help our customers get their work done faster and better," said Salzman. "And that's what this new generation of Case International combines is all about."

Dairymen's Association

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Clyde Robison was a director, an officer and often times president of virtually every statewide and local dairy organization that he belonged to. He was a strong supporter of the Jersey cow, farmer cooperatives, the Extension service, the AI Industry, Penn State, the Fair Association and his church.

Clyde went to meetings to participate and not just to be there. He would ask the tough questions, the ones other people were thinking about but were reluctant to ask. He wouldn't settle for just one opinion. He would ask for input from anyone present if they thought they knew anything at all about the subject being discussed.

Clyde Robison was born on the

family farm in Washington County in 1918. He lived all of his life on that farm working with his herd of Jerseys. He and his wife Marie raised three children: Bev, Connie and Bob. They also have 11 grandchildren.

Clyde served the Pennsylvania Dairymen's Association for 35 years. He was president in 1976, the same year he received the first Charles E. Cowan Memorial Award.

The Association dedicated their Year Book to him for his leadership and his faith in agriculture.

President David Smith conducted the business meeting and made presentations. Gary Rickard, president, Sire Power, Inc. was toastmaster.

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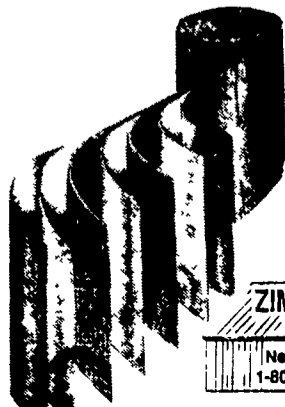
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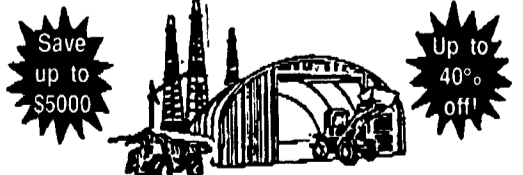
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