



### "Mudproof" Your Combine

In last year's wet fall, a lot of farmers made joking remarks about farming in rice paddies, but one Illinois farmer wasn't joking.

Mike Crawford, of Danville, put 30 in. "rice paddy tires" on his Model 915 International combine and finished up the harvest of 250 acres of corn and 100 acres of soybeans.

"These tires fit perfectly on my combine with about an inch clearance to spare," he told FARM SHOW. "I didn't have to modify the combine in any way to use them. But they won't fit every make — I tried them on

my Massey Ferguson and they didn't work." Crawford bought the big Firestone tires from his local tire dealer who had to order them special from a dealer in the rice-growing country.

"The tires did a good job for me. Without them, I couldn't have gotten the harvesting job done last fall," he says. "I bought the tires used, but a new set of two would cost right at \$2,200."

For more details, contact: FARM SHOW Followup, Mike Crawford, Route 2, Danville, Ill. 61832 (ph 217-442-4420).

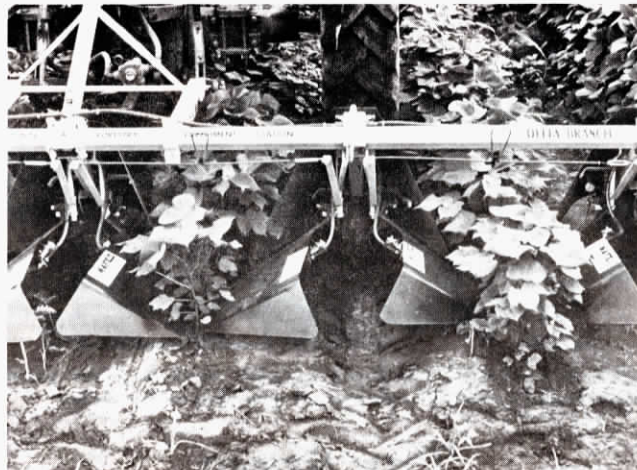
### New Life For Older Combines

"It's such a simple idea I still can't figure out why I never heard of it before," says George Carpenter, Lawrence, Miss. He put new life into an older model Deere 45 combine "that had seen better days and needed some help in shelling corn".

Carpenter recalls that "when I was installing the filler plate for corn on the cylinder, I welded another set of bars onto the plates. They were balanced, of course, and put in the proper rotation. It was almost unbelievable the difference that the extra bars made. I could go faster and do a better job, and the machine also shelled cleaner. The next summer, I left the bars on when harvesting small grain and I got the same results. I never plugged the cylinder once after that."

In Michigan, Paul Cronkright, of Jones, put new life into his Gleaner K combine with a \$9 chaff leveler blade kit for the cleaning shoe. "It's made primarily for Gleaner L, L2, and M and M2 combines but can be used on other Gleaner models as well. In fact, I don't see why it could not be installed on competitive combines."

If you own a Gleaner combine and haven't already done so, he strongly suggests that you ask your local dealer about the add-on chaff leveler blade kit. "The difference this low cost attachment can make will really surprise you," says Paul. It consists of two 2½ by 30 in. strap irons fastened to the front of the cleaning shoe sides and permits full-speed harvesting on side hills.



### Hooded Crop Sprayer

A hooded crop sprayer developed by researchers at the Delta Branch Experiment Station, Stoneville, Miss., allows non-selective chemicals to be used on problem weeds without killing or injuring the growing crop.

For example, Monsanto's Roundup will kill many weeds — including volunteer corn in soybeans or Bermuda grass in cotton — but it's non-selective and will also kill or injure the growing crop on contact.

Hoods on the new-style sprayer allow Roundup and other herbicides to be sprayed in the growing crop without damaging the crop. It was conceived by Dr. Tom Jordan, assistant plant physiologist, and designed by Jim Reames, agricultural engineer. The flexible hoods are designed with a simple bend (which makes them relatively easy to manufacture) and hinge both vertically and horizontally on a steel rod which connects them together. Fenders located in front lift plants up and over the hood to prevent plant contact with the herbicide being applied.

Jordan notes that rates up to

1.5 lb. per acre have been applied successfully to corn up to 14 in. high, and to soybeans and cotton plants up to 5 in. high. On cotton, rates up to 4 lbs. per acre have been applied to plants up to 10 in. high.

Jordan foresees a wide variety of possible uses for the hooded sprayer, pending label approval of Roundup and other herbicides for post emergence application with the hooded sprayer. One possibility would be to apply Paraquat to smaller corn, or Roundup on cotton, corn and other crops to control Bermuda grass. Other herbicides which could conceivably be applied with the hooded sprayer include Dalapon, Dinoseb, or MSMA, according to Jordan.

He notes that several manufacturers are currently exploring the possibility of producing the hooded sprayer commercially.

For more details, contact: FARM SHOW Followup, Dr. Tom Jordan, Delta Branch Experiment Station, Box 197, Stoneville, Miss. 38776 (ph 601 686-9311).

### Do-It-Yourself Hard Facing

Instructions for do-it-yourself hard facing of shovels, discs, knives, tools or whatever are covered in a free "welding tips" brochure from Coordinated Industries.

The company has introduced Coor-Face 204, a 3/32 in. electrode designed for do-it-yourself hard facing. The new electrode can be used with low amperage on any welding machine, and on thin metal without burn through. "It has a special coating and will deposit the same amount of weld metal as the conventional 1/8 in. size," says Herb Haidle, director of

marketing. The brochure covers hard surfacing of tools and cultivator shovels and knives, and a technique for increasing the life of disc blades which "makes them even more efficient as they wear out."

For a free copy of the welding tips brochure on do-it-yourself hand surfacing, and details on availability and cost of the new Coor-Face 204 hard facing electrode, contact: FARM SHOW Followup, Co-ordinated Industries, Flaugherly Run Road, Coraopolis, Pa. 15108 (ph 412-457-6600).