



Rear half of new 4 wheel drive tractor is same as that used in the current IH 86 series tractors.

DRIVER SITS BEHIND ARTICULATION JOINT OF THESE REVOLUTIONARY 4-WHEEL DRIVES

IH Unveils New "2+2" Tractors

Next time you're in town, stop at your local International Harvester dealer and take a look at the new 4-wheel drive "2+2" row crop tractors which should be on his showroom floor about the time this issue of FARM SHOW lands in your mailbox. There's the model 3588 at 150 pto hp, and the model 3388 at 130 hp.

"Designed to fit virtually any farming or ranching operation, the new "2+2" tractors combine the advantages of row crop 2-wheel drive tractors and conventional articulated 4-wheel drive tractors," says Stanley Lancaster, vice president-general manager of IH's Ag Equipment Group.

Unlike any other tractor you've ever operated, the control center is located on the rear frame, behind the articulation joint. In designing the new models, IH engineers utilized the rear half of the current IH series 86 models. Drive components in the front axle are from the series 84 tractors. With this exception, the front half of the new series 88 tractors is totally new.

Also new is the hydraulic system, said to be the most efficient ever used in IH tractors. It consists of two variable volume piston pumps, a constant 12 gpm for steering, and an 18 gpm at 2,000 psi for a new pressure flow compensated implement lift system.

Model 3388 has a 436 cu. in., turbocharged, 6-cyl. diesel engine rated at 160 hp, which translates into 130 pto hp and 110 drawbar hp. Model 3588 has a 466 cu. in., turbocharged 6-cyl. diesel engine rated at 180 hp (150 pto hp and 127 drawbar hp.) Both engines are IH-built. Recommended oil change is every 200 hrs.

Both tractors have a 110-in. wheel

base. Ground clearance for the 3388 is 14.9 in., and 16 in. for the 3588. The 3388, at 227 in., is only 1 in. shorter than the 3588.

Weight fully equipped on both models is right at 16,300 lbs. Both models have a 15 ft., 9 in. turning radius, and both are equipped with a Power Shift Torque Amplifier transmission, allowing "on the go" shifting. A 3 mph ground speed gear is available for proper pto use with trailing equipment, such as a baler, or forage harvester. In low range and in first gear, the 3388 will travel as slow as 2.06 mph in direct drive. With the TA, it will gear down to 1.76 mph. The 3388's fastest speed, in high range and fourth gear, is 19.71 mph. The 3588 travels as low as 2.13 mph in low range, first gear direct, and 1.82 mph with the TA. Top road speed is 20.42 mph.

Options include a rear fuel tank that increases capacity to 153 gal., 118 in. axles to increase wheel treads up to 134 in., differential lock, and quick coupler for Category II or III 3-pt. hitches. The roll-back hood permits easy access to the engine compartment. The muffler is under the hood.

"Initial reaction of some operators was that the front end is too long. But, once they got behind the wheel and operated it for a short time, the negative became positive," explains Lancaster.

Price tags on the new models, fob Rock Island, Ill., are \$38,695 for the 130 hp model 3388, and \$43,450 for the 150 hp model 3588.

For more details, see your local IH dealer or contact: FARM SHOW Followup, Public Relations Dept., International Harvester, 401 North Michigan Ave., Chicago, Ill. 60611.



Each rider operates an 18-in. spray gun. Rig will also broadcast spray at all or any one station.

SPOT SPRAYER "SHOOTS" VOLUNTEER CORN, OTHER WEEDS OUT OF SOYBEANS, COTTON

Fastest "Gun" In The West

When Minnesota farmer Kenn Kass, of Tracy, got tired of walking to chop volunteer corn out of his soybean fields, he did something about it.

Result: The Ken-Ride Spot Sprayer. Now, rather than the slow job of walking fields and pulling, chopping or hoeing volunteer corn or stubborn weeds, four persons seated on the Ken-Ride each operate an 18-in. spray wand. A total of 10 acres per hour can be spot-sprayed, traveling 5 mph, reports Kass.

Broadcast spraying is also possible with this "fastest new spray gun in the West". Operators flip a quarter-turn valve to broadcast-spray a heavily-infested area, then resume spot spraying in areas of sparser infestation. Eight 40-in. rows, or twelve 30-in. rows, can be sprayed broadcast. If the crop needs cultivating, a rear mounted cultivator can be used behind the tractor, with riders up front to spot spray isolated weeds. Or, the driver can broadcast spray with or without riders as he cultivates.

Kass really didn't think seriously about marketing the machine until he noticed that every time he used the Ken-Ride, somebody asked him to make them one, or to borrow his rig. Last fall, Kass contracted with a manufacturer to produce the machine. They are readily available for the 1979 cropping season, at a suggested retail price of \$1,235, fob.

Kass has field tested the machine for 5 seasons. "When we first started spot-spraying, about all we had available was 2,4-D, and drift was a problem. But, when Basagran, Butyrac and Roundup were introduced, things really started to work," Kass told FARM SHOW. "We use Butyrac and Basagran when we want to spot-spray or broadcast and not worry about hurting the crop. But, with Roundup, we've got the perfect

chemical for spot-spraying either corn or bad weed patches, such as thistles. Just a few drops and the corn or weed is killed and there's no drift. We're also used Hoelan experimentally. It works great and we're hopeful it will be cleared for use yet this year."

Kass says the cost of spot-spraying with Roundup is about \$2 to \$6 per acre, depending on the degree of infestation of volunteer corn or other weeds in soybeans or other crops. "That compares to about \$15 per acre for broadcast treatment," he points out.

In addition to less cost for chemicals, Kass says there is a hefty savings in labor with his new style spot sprayer. "If you've got four fellows walking 20 acres, it will probably take them about 10 hours, which adds up to about \$90 or \$100 in labor for only 20 acres. With the Ken-Ride, you can do 100 acres for the same labor cost."

Herbicide can be drawn from a 3-pt. hitch-mounted tank, from side-mounted tanks, or from pull-type trailers. Pump and plumbing systems on the Ken-Ride are corrosion resistant and compatible with most herbicides.

Seat height adjusts from 3 to 5 ft. (Each seat is equipped with a safety belt.) The toolbar wings fold for transport. The standard Ken-Ride mounting bracket fits most John Deere and International Harvester tractors. Brackets for virtually all other makes of tractors available on custom order.

For more information, contact: FARM SHOW Followup, Kenneth Kass, Ken-Ride Sprayer, Tracy, Minn. 56175 (ph 507 629-3405).