

## ATV Forklift

One of the biggest show stoppers at recent farm shows held in Spokane, Wash., and Tulare, Calif., was a new forklift specially designed to mount on front of almost any utility-style 4-wheeler ATV.

Inventor Rick Monaghan says his patent pending "ATV Light Utility Worklift" can safely lift and transport up to 200 lbs. It has a lifting height of 36 in., which is high enough to place items in the bed of a full-size pickup.

The forklift attaches to the frame of the ATV using mounting brackets and plates. An electric winch is used to move the forks up or down. The winch cable goes up and over a pulley at the top of a metal frame and is attached to a carriage that allows the forks to be moved up or down. A control switch mounts on the ATV's handlebars.

"It works great for moving materials such as hay bales, feed or seed bags, lumber, fence materials, irrigation pipe, etc.," says

Monaghan. "We offer a variety of attachments that replace the forks and make this unit even more versatile. The attachments include a bale spear, trailer hitch, work table, yard waste box, and pull-behind trailer. The forks, bale spears, and other attachments are easily changed by removing two pins that hold them in place.

"It takes only about 15 minutes to remove the forklift from the ATV so that you can use the ATV for other purposes. It's a matter of removing about 12 bolts."

The forklift is currently designed to fit Polaris, Yamaha and Honda ATV's. (Kawasaki and others to follow).

Sells for \$1,095 to \$1,195 (depending on ATV model) plus S&H. UPS shippable.

Contact: FARM SHOW Followup, Work-n-Sports, Inc., 1212 N. Fancher, Spokane, Wash. 99212 (ph 509 534-8722; fax 509 535-3335).



Newest product for 4-wheelers is this forklift that can safely lift and haul up to 200 lbs. Lifting height is 36 in. - high enough to place items in the bed of a full-size pickup.



Friedrich built this 10-row, 21 1/2-in. planter. Front bar carries a 650-gal. liquid N tank and an independent hydraulic-controlled coulters toolbar with 3 coulters per row.

## Built-From Scratch Row Crop Planter

"Your readers might be interested in the 10-row, 21 1/2-in. planter I built from scratch in my farm shop," says Harvey Friedrich, Rodney, Ont.

"The triple frame consists of 5 by 7 and 7 by 7-in. heavy-walled square tubing. The front bar carries a 650-gal. liquid N tank and also an independent hydraulic-controlled coulters toolbar with three Till-Tech coulters per row.

"The middle bar carries the dry fertilizer boxes, which were narrowed up 6 in. to be centered between rows. The center bar is also fitted with transport wheels from a Deere 7000 planter.

"The back bar carries the 10 row units, the three transmissions, and the four driving wheels. One transmission drives the liquid pump, another the dry fertilizer, and the third drives the planter units.

"A small hydraulic cylinder lifts one of the driven wheels off the driver wheel and the differential consists of an over-running clutch hub, which I machined out of a block of steel and runs in an oil bath.

"I mounted a small stainless steel tank on the tongue which contains a dye solution. An electric pump controlled by a push-button control lets me spray a 3-ft. burst of dye to mark each pass.

"The first of the three coulters up front is directly in front of the row unit. The second coulters loosens soil in front of the dry fertilizer openers, which are now single



Back bar carries the 10 row units, three transmissions, and four driving wheels. One transmission drives the liquid pump, another the dry fertilizer, and the third drives the planter units.

bladed. Depth control on the dry fertilizer openers is controlled by an ordinary cultivator gauge wheel. The third coulters is approximately 5 in. off center and it applies all of the 28%. I use a Red Ball monitor on the 28% nitrogen lines.

"I harvest corn 8 rows at a time. The 21 1/2-in. row width eliminated any frame modifications to my existing 6-row, 30-in. cornhead. I simply added two row units and dividers.

"The planter took about 9 months of spare time to build, weighs 9 to 10 tons loaded, which puts about 1 1/4 tons of load on each tire when raised and about 1 ton on the drawbar."

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## They Built Their Own 12-Row Soybean Planter

"My father and I converted a used Deere 7000 12-row, pull-type corn planter into a 12-row, 16-in. narrow row soybean planter. It works great and we saved a lot of money," says Scott Marbach, Decatur, Ind.

He paid \$3,500 for the worn-out planter, which he bought from a local dealer. He stripped the planter down to the toolbar and moved the four lift wheels from behind the toolbar to the front. He bought new Deere soybean meters, installed row-mounted no-till coulters, and rebuilt and/or adjusted all worn-out components in the planter units, including the disc openers, depth gauge wheels, bearings, etc. Then he remounted the row units back on the toolbar, spacing them 16 in. apart. He left a 30-in. opening at the center of the planter to make room for the planter's transmission.

"We've used it for three years and are very happy with it," says Marbach. "Our total cost was only about \$7,000, which included new bean meters, disc openers, no-till coulters, chains, and bearings. It would've cost \$3,000 to \$4,000 to rebuild our 15-ft. no-till drill, and we'd still have been left with a 12-year-old drill that had more than 12,000 acres on it. And trading in for a new drill would've cost \$10,000 to \$15,000.

"Another alternative would've been to buy a splitter for our 6-row planter, but that



Scott Marbach and his father converted a used Deere 7000 12-row, pull-type corn planter into this 12-row, 16-in. narrow row soybean planter.

would've cost \$7,000 for a used one and almost \$12,000 for a new one."

Marbach says he spaced the row units 16 in. apart in order to make room on the toolbar for the brackets that support the lift wheels. The 16-in. row spacing also allows him to use the original seed box lids. "With 15-in. spacings, the boxes would've been too close together to use the lids," he says.

The planter hitch is long enough that even with the lift wheels relocated on front there's room for Marbach to use dual wheels on his tractor. "The front-mounted lift wheels took all the weight off the tongue so we added cast iron rear wheel tractor weights, and weights to the front part of the hitch," he says.

## Slick Way To Fill Seed Hoppers

Marbach also came up with a nifty way to use a loader bucket to fill seed hoppers. He made a plywood hopper that fits over three row units at a time. It has one large opening on top that matches the bucket on his skid steer. "We fill the bucket out of a gravity wagon. It usually takes less than five minutes to fill all 12 rows," he notes.

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Plywood hopper fits over three row units at a time. It has one large opening on top that matches the bucket on his skid loader.

