



Oftedal's rig lets him safely carry 1,250 gal. of herbicide without saddle tanks or other add-on equipment.

"Big Boy" Applicator

"The wheels and bearings of field cultivators are not designed to take the weight of big spray tanks. Big tanks mounted on the cultivator also block your view. My setup lets me safely carry 1,250 gal. of herbicide at a time without the hassle of saddle tanks or other add-on equipment," says Einar Oftedal, Cottonwood, Minn.

His "Big Boy" herbicide applicator consists of a field cultivator, spray boom, and a trailing tank. The tank was designed specifically for chemical applications with an in-tank agitator. It was mounted on a heavy-duty wagon with 24-in. wide tires and a 2-ton truck axle. A portion of an old Vibrashank cultivator mounts on back of the tank with tines directly behind the wheels to break up compacted soil.

"The trailing tank increases visibility of both the cultivator and spray boom and it doesn't affect turning radius because the cultivator is so wide," says Oftedal. "It's a much more efficient way to apply herbicides than



Applicator consists of a field cultivator, spray boom and trailing tank.

other methods out there because it eliminates trips back to refill. I can treat up to 80 acres without stopping. And the chance of making a miscalculation is reduced by having fewer refills."

Contact: FARM SHOW Followup, Einar Oftedal, Rt. 1, Box 153, Cottonwood, Minn. 56229 (ph 507 423-6481).



Hay Roll consists of a rod that pushes through the center of the bale with U-shaped frame on either end.

"No Power" Way To Unroll Bales With Pickup

"After I almost burned up my pickup trying to unroll a bale by pushing it with the bumper, I decided there had to be a better way. After a lot of trial and error, the Hay Roll was born," says Gary Price, Blooming Grove, Texas.

"It's a lightweight, simple piece of equipment that attaches to a bale in a couple minutes and can be pulled by a pickup, tractor, ATV or even a horse.

"Unrolling round bales instead of feeding in bale feeder rings, you can 'limit feed' your cattle instead of placing them on full feed. The benefits can be tremendous, saving up to 25 percent of the feed. Unrolling eliminates sloppy, muddy conditions that result around bale feeders. You also eliminate injuries to baby calves that can occur when cows crowd around feeding equipment. Even timid and weak cattle are able to eat when bales are unrolled.

"The Hay Roll consists of a rod that pushes through the center of the bale. A U-shaped



Using the device, bales can be unrolled by a pickup, tractor, ATV or even a horse.

frame attaches to either end of the rod. And a chain is used to pull it. There are no bearings or other moving parts. It should last for many years."

Contact: FARM SHOW Followup, Gary Price, Rt. 1, Box 198-5, Blooming Grove, Tex. 76626 (ph 903 695-2965).



Goodall narrowed up a 2-row, 40-in. cultivator to fit his 30-in. rows.

He Uses 2-Row Cultivator To "Clean Up" After 12-Row Rigs

"It compliments the two 12-row cultivators that we use on our 1,250 acres of corn and soybeans," says Charles Goodall, Sidell, Ill., who uses a belly-mounted cultivator on an International "C" tractor to cultivate point rows and any place where rows intersect waterways.

He narrowed up an old 2-row, 40-in. cultivator to fit his 30-in. rows. A hydraulic cylinder controls a rock shaft that raises or lowers the cultivator one side at a time, if desired.

"It makes a great touch-up cultivator," says Goodall. "It works particularly well where rows intersect diagonally with waterways. When you raise a 12-row cultivator as you enter a waterway it leaves a ridge of soil, which acts like a dam and prevents water that runs down the row from entering the waterway. You can eliminate the ridge if you keep the cultivator down all the way into the waterway, but that can cause the cultivator to develop side draft and you might end up tearing out the corn on some rows. We simply raise the cultivator just before we enter the waterway and use our 2-row cultivator to finish up."

Goodall carries a 5-ft. wide section off an old Melroe harrow on back of the tractor to level the soil and to pull weeds out at the same

time. The harrow is equipped with vertical 16-in. long steel tines, some of which are bent sideways so that they clear the row. A pair of steel arms on back of the tractor are connected to a steel "lift rod" that runs up to the cultivator, allowing the two rigs to be raised or lowered at the same time.

"We bought both the C tractor and the cultivator at a local dealer. The tractor was equipped with a Woods belly mower which we still use to mow our lawn and farmstead. We plan to switch to a 4-row, 3-pt. cultivator equipped with soft spring shanks for higher speed cultivation. Also, a 3-pt. model will be easier to put on and will allow us to drive faster on the highway.

"I think farmers can save a lot of money by doing a least-cost mix of mechanical cultivation and herbicides. We use a post emergence herbicide program that allows us to wait and see what weeds develop in a given year. If the soil gets too wet to apply herbicides we can usually get in with the cultivators to clean up badly infested spots. There are a lot of used Deere 12-row cultivators on the market so you don't need to make a huge investment."

Contact: FARM SHOW Followup, Charles Goodall, 3503 N. 470 East Road, Sidell, Ill. 61876 (ph 217 288-9523).

Collapsible Extension For Grain Trucks, Semi Trailers

"You can quickly increase the capacity of grain trucks and semi trailers with our electric-operated, collapsible extension that raises or lowers in seconds with the flip of a switch," says Kurt Schmeichel, Tarp Products, Courtenay, N. Dak.

The extension consists of a lightweight aluminum frame that bolts to the top of the trailer and heavy duty, vinyl-coated nylon "bellows-type" sides that are available in heights from 18 to 30 in. Electro-mechanical actuators that operate off the truck's battery are used to raise or lower the frame. The actuators are activated by flipping a switch located on front of the trailer.

"Extensions are available in lengths from 10 to 50 ft. We install it at our factory. It really helps with lightweight crops like sunflowers where, even when the trailer is full, you're still under the legal road weight limit. An extension with 24-in. high sides mounted on a 42-ft. long trailer adds about 535 bu. of capacity; 30-in. high sides add up to 675 bu. of extra capacity. You can mount your origi-



Extension consists of a bellows-type frame that bolts to trailer top.

nal tarp on top. When the extension isn't needed you can lower it all the way down in order to reduce wind resistance and increase fuel economy."

A unit with 30-in. high sides designed for a 42-ft. long trailer sells for about \$4,600.

Contact: FARM SHOW Followup, Tarp Products, Box 125, Courtenay, N. Dak. 58426 (ph and fax 701 435-2200 or 888 447-4937).