



Canister (10 ft. high and 6 ft. in dia.) bolts onto silo and has "see-through" bottom so inside breather bag can be observed from ground level.

GREATER CAPACITY AND CONVENIENCE

Outside Breather Bag For Harvestore Silos

If you own a Harvestore (or Sealstore or similar type of "air tight" structure), you'll be interested in an outside breather bag container, developed by Andy Thompson, Cortland, Kan.

"Getting the breather bag out from inside the silo increases capacity about 20%. What's more, it virtually eliminates having a climb to the top to tie the bag up and out of the way every time you fill," explains Thompson, who owns both a Harvestore and a Sealstore.

"I've thought all along that the standard Harvestore breather bag was poorly engineered. It takes up valuable storage space, and is a nuisance to tie up every time you fill. It's also prone to leaks, as evidenced by outside stain streaks on the structure," Thompson explains.

His self-styled breather bag is made of the same nylon-plastic type material and is designed to fit into a giant-sized canister that bolts to the structure at the top.

Size of the bag and canister is geared to size of the structure. For example, Thompson equipped his 21 by 30 ft. Harvestore with a canister 10 ft. long and 6 ft. dia. It weighs right at 600 lbs. He figures the structure,

which held about 6,800 bu. with the original inside breather bag, now holds about 8,000 bu. with the bag removed.

Thompson has contracted with a company to produce his patented outside breather bag, and the storage canister which is made of glass fused to steel. The canister has a "see through" bottom and can be observed from ground level to see if it is working properly.

"So far, the test unit I put on my Harvestore has worked effectively from a nightly low of 10° below zero, to a daytime high of 50°," says Thompson. He notes that the canister can be mounted at any point around the top of the structure but suggests that it be located as close to the ladder as possible. The bag inside the canister hooks to the same roof attachment that the original inside bag attached to.

Retail cost of units being readied for commercial production hadn't been established when this issue of FARM SHOW went to press.

For more details, contact: FARM SHOW Followup, Andrew Thompson, Route 1, Courtland, Kan. 66939 (ph 913 374-4384).



Gangestad's "hybrid" planter features Max-Emerge units, and a Cyclo air delivery hopper.

FARMER-INVENTORS COMBINE BEST OF DEERE AND IH

"Hybrid" Planters Top Standard Models

They say they've got the best of both worlds and no one's arguing with John Gangestad of Eagle Grove, Iowa and Leon Jackson of Dana, Ind. They've taken the best parts of two standard planters and combined them into single, "hybrid" super-planters.

Although they went about it differently, both farmer-inventors matched up International Harvester's Cyclo air drums with John Deere's Max-Emerge planter units. The results? Planters both men say are more reliable and accurate than anything on the market.

"We wanted air delivery for uniform planting speed, and the units for uniform seed placement," explains Gangestad. For his "hybrid", he substituted Max-Emerge planter units for the standard IH openers on his two-year-old IH Cyclo 12-row planter. He also hinged the toolbar to fold hydraulically.

Gangestad says that, after two seasons of use, he's pleased with the planter's precise seed placement in both corn and soybeans. However, he prefers a drill for soybeans because of the yield advantage he feels he gets with the narrower row spacing his drill provides.

Putting the pieces together for his makeshift planter cost approximately what trading for a new Deere planter would have cost, says Gangestad.

For help with your own conversion plan, contact: John Gangestad, Rt. 2, Eagle Grove, Iowa 50533 (ph 515 448-3063).

Leon Jackson took a different tack in designing his super-planter. He mounted Cyclo air drums and Max-Emerge planter units on a 37-ft. John Deere field cultivator.

"We took apart a one-year-old air planter, bought a wrecked Deere planter, and mounted the parts from both on a brand new cultivator," Jackson told FARM SHOW. "We had to build mounting brackets for the air drums and add a second hold-down spring to keep the planter units at a

uniform depth."

In addition, Jackson linked the two Cyclo drive wheels together with a ratchet shaft to keep the drums running steadily over uneven ground. To smooth ground in front of the openers, he added fiberglass tillage rods.

"It takes a minimum 275 hp., 4-wheel-drive to pull it but you can till and plant 200 acres a day. Even at high speeds, my seed spacing and planting depth are uniform and easy to control," he explains. He runs the rig at speeds up to seven mph.

Jackson, who planted 1,400 acres of corn with his machine last season, spent right at \$30,000 to build it. He gangs Deere drills together to plant soybeans.

For more information, contact: Leon Jackson, Rt. 1, Box 75, Dana, Ind. 47847 (ph 317 665-3231).

All-Weather

