



John Miller says his new “sealer shield” lets you apply nitrogen to small corn plants at fast speeds, without covering them up.

As applicator is pulled through field, pairs of offset coulters gather soil disturbed by the knife and redirect it to cover the nitrogen so it won't be lost.

“Sealer Shields” For Side Dressing Nitrogen Applicators

A new “sealer shield” designed for most nitrogen side dressing applicators lets you apply nitrogen to small corn plants at fast speeds, without covering them up.

The sealer shield consists of a pair of offset coulters that gather soil that's disturbed by the knife or the pressure injector coulters. As the applicator is pulled through the field, the soil is collected and redirected to cover the nitrogen so none of it will be lost due to denitrification.

The coulters can be easily adjusted for height and width, depending on the applicator's speed. The system can be used on rows from 20 to 30 in. wide and even on twin rows. It can be used on most anhydrous and liquid applicators used for side dressing.

“The paired coulters deflect soil as it comes up the face of the knife, and force it back down onto the slot left by the knife so that neither liquid nitrogen nor anhydrous ammonia can escape. It virtually prevents exposure of nitrogen to sunlight and air,” says John Miller, Nitrogen Sealing Systems, Catlin, Ill. “We've offered side dressing shields for ammonia applicators for several

The company has been involved in a 2-year testing program with Becks Hybrid Seed Co. to analyze the return on investment when using the sealer shields with 28 percent liquid nitrogen.

Indiana - Increase of 16.8 bu./acre 2015 Test Plot Results

Bu/Acre without Sealers - 142.5

Bu/Acre with Sealers - 159.2

“Most soils were wet at sidedress time so the application slot didn't get closed. Nitrogen Sealers paid off big this year,” Brent Minett, Field Agronomist.

Ohio - Increase of 7.8 bu./acre 2015 Test Plot Results

Bu/Acre without Sealers - 186.9

Bu/Acre with Sealers - 194.7

“Nitrogen Sealers protect N from volatilization by helping to ensure optimum incorporation is achieved. It's a simple fix,” says Alex Johnson, Field Agronomist.

A full report on Beck's 2015 Practical Farm Research is available.

years, but this is our first shield for 28 percent liquid nitrogen applicators.”

The company has been involved in a 2-year testing program with Becks Hybrid Seed Co. to analyze the return on investment when using the sealer shields with 28 percent liquid nitrogen. The testing and results were provided by Jason Webster at the Practical Farm Research Center near Downs, Ill.

Miller currently offers closers for Fast, Ag Systems, Blu-Jet, Schaben, Case, Nutra Placer, Clymer, DMI C shanks, Yetter coulters units, and Yetter NH3 Magnum units.

Two different models are available. One is designed for Fast and DMI-type applicators and sells for \$235 per row plus S&H. The other model is designed for high clearance applicators and sells for \$285 per row plus S&H.

Contact: FARM SHOW Followup, John Miller, Nitrogen Sealing Systems, 10916 Catlin-Homer Road, Catlin, Ill. 61817 (ph 217 304-1109; nss@nitrogensealingsystems.com; www.nitrogensealingsystems.com).

Reader Inquiry No. 91

Hand Seeder Saves Time, Seeds

The SowEZ handheld seeder uses field proven seed disc technology for the precision planting of pelleted and some non-pelleted seeds. Trigger actuation allows for fast and accurate sowing. The seed disc has four seed cups that accommodate all three available sizes of pelleted seeds. An additional seed cup is designed for Brassicas such as broccoli and kale. The seeder works on some other roundish seeds as well. Seed cups are changed by turning a knob on the back of the seeder. No tools

needed.

Designed by an Oregon market grower, the SowEZ is made in the USA from tough UV-resistant ABS plastic with clear polycarbonate hopper. Available at TerritorialSeed.com and Veseys.com. More info at soweze.com or Contact Earl Weber at bimweber@gmail.com or SOWEZ LLC, 31291 SW Heater Rd, Sherwood, OR 97140 USA. 503 625 5764.

Reader Inquiry No. 92



Hand seeder uses a seed disc to singulate seeds just like full-size farm or garden planters.