

No-till drills have revolutionized the way we plant. With box drills in the East and air seeders in the West, here are just some of the new drill technologies that will help us reach our seed's genetic potential.

## Krause 5250 Series

The Krause 5250 Series Pro-System no-till grain drill is built from the ground up for no-till production, according to Krause's Greg Johnson. The Krause 5255 drill features their patented precision opener technology which uses a three-inch by 14-inch depth gauge wheel in front of a double disc opener followed by an adjustable depth press wheel.

The Krause No-Till drill has a coulter beam mounted close to the openers. Krause says this helps for accurate coulter-to-opener tracking when going into turns or across hillsides. The precision double disc openers are designed with a  $\frac{5}{8}$  inch leading edge for better residue cutting. The less material you have to move, Krause says, the less chance there is of clogging. The precision openers have adjustable down pressure ranging from 160 to 250 lbs.

The Krause 5250 Box drill comes in 10-, 15- and 20-foot widths. Row spacing can be either 7.5 or 10 inches. The box capacity for the Krause 5250 is 3.2 bushels per foot. The front coulters are 16 inches with an eight-inch trip height for rock protection.

[www.krauseco.com](http://www.krauseco.com)



## Ezee-On 7550

Ezee-On of Vegreville, Alta offers the no-till air assisted Model 7550 three-section and five-section drills. Unlike any of the companies who produce box drills for Eastern Canada, Ezee-On doesn't produce their own openers. In fact, producers have the option to choose which openers they prefer from several different third market suppliers. This would depend on a myriad of factors. For instance in dryland conditions producers may prefer a low disturbance narrow opener to conserve moisture. Opener choice at times will depend on fertilizer preference. Ezee-On gives producers these choices when they order.

The Ezee-on 7550 three-section no-till air drill comes in widths of 28 to 40 feet. The 7550 five-section drill comes in widths of 48 to 60 feet.

[www.ezeeon.com](http://www.ezeeon.com)

## Great Plains 10 HD Series

Great Plains has put row crop planter technology into their air assist and box no-till drills with their new 10 HD series openers, available on every type of planter or drill Great Plains sells. This gives Great Plains the advantage of using sensors, seed tubes and other parts generally associated with row crop planters.

The Great Plains 10 HD Series openers have up to 11 inches of stagger between rows, while parallel linkage allows for up to 10 inches of vertical travel. To aid in seed placement in hard ground, the 10 HD opener has four heavy-duty down pressure springs with six settings, which offer from 250 to 500 lbs of down pressure per row. The openers have double 15-inch blades with a cast blade separator, which protects the seed tube. A producer option is to attach a fluted, wavy or Turbo coulter.

[www.greatplainsmfg.com](http://www.greatplainsmfg.com)



## John Deere Drills

The John Deere 1990CCS (Central Commodity System) no-till air drill is outfitted with Deere's 90 series openers. These openers are found only on the John Deere 1890 no-till drill, the 1990CCS drill, the 1895 air drill (seed and fertilizer) and the 1590 no-till drill. The 18-inch disk blades are mounted at a seven-degree angle with up to 400 lbs. of hydraulic down pressure.

The 1990CCS features the Central Commodity System seed metering tool. Deere says this system enables better metering performance leading to better population control, reduced maintenance and increased productivity. For instance with the central tanks, a hydraulic six-inch brush auger can fill one 100-bushel tank in five minutes. The 30- and 35/36-foot 1990CCS come with a 70-bushel seed capacity and the 40- and 42-foot drills come with 100-bushel seed capacity.

New in the John Deere lineup is the 1870 Conserva Pak Air Hoe no-till drill. The 1870 is designed with hydraulic shanks to enhance seed placement with independent down force for uniform depth placement. Deere product specialist Aubrey Grove says the 1870 allows for banding fertilizer to six inches within the seedbed and 4.5 inches of separation between the seed and fertilizer. The 1910 Air Commodity Cart can be attached to the 1870, 1890 and 1895 with a maximum capacity of 430 bushels of seed.

The JD 1590 no-till box drill comes in 10-, 15- and 20-foot widths with either grain or grain/fertilizer combinations. The 1590 has the same 90 series John Deere opener. The 1590 holds 3.5 bu./ft. or 3.4 bu./ft. with the grain fertilizer option.

[www.johndeere.com](http://www.johndeere.com)



## Sunflower 9530

The Sunflower 9530 comes in 30- and 40-foot widths. These drills are both grain and fertilizer capable. However, for grain only they have a 3.75 bushel per foot capacity, one of the largest in the industry for non-air no-till drills. With the gravity feed, the Sunflower provides the gentle flow and capacity requirements for crops such as edible beans.

Unique soil control strips on each side of the Sunflower openers ensure the seed is dropped at the front of the opener with the blades aiding in placing the seed at the bottom of the seed trench. With that, there is virtually no seed bounce.

[www.sunflowermfg.com](http://www.sunflowermfg.com)

