ADVANTAGES WITH THE NEW 1895 SEPARATE FERTILIZER PLACEMENT AIR DRILL

With the introduction of the 1895 Separate Fertilizer Placement Air Drill, growers now have the opportunity to offer a complete one-pass no-till air seeding system. The 1895 will appeal to those who are interested in reducing the number of passes over the fields.

John Deere 1895 Compared to the John Deere 1890

The 1895 will be familiar to those of you who are currently seeding with a John Deere no-till air drill, whether it is an 1850, 1860 or the current 1890. Each of these drills features the proven John Deere single-disk no-till opener on two ranks with row spacing of 7.5-in. or 10-in. The 1895 is simply an 1890 Drill with a third rank of openers for applying high rates of fertilizer separate from the seed.

The rear two ranks of 90 Series openers on the 1895 place seed and starter fertilizer on 10-in. spacing. The front rank places nitrogen fertilizer on 20-in. centers, so that each fertilizer opener feeds two rows of seed 5-in. to each side.

Note: Currently the 1895 is only compatible with dry fertilizer. Future versions will allow the use of anhydrous ammonia or liquid fertilizer.

With the 1895, it is now possible for growers to place heavy rates of fertilizer at the same time as they seed. Five inches of soil separating the fertilizer from the seed virtually eliminates any chance of heavy fertilizer hurting seed germination.
The new John Deere 1895 offers growers another option for true one-pass seeding. Those who want to continue using a double-shoot hoe opener still have the proven John Deere 1820 Air Hoe Drill. But for those who want to one-pass with a minimum-disturbance proven no-till opener, the 1895 is the perfect tool for them.

**Advantages of the 1895 Versus Hoe Drills**

- **Faster operating speeds.** The 90 Series no-till opener can be operated in the 6-8 mph range. Most double-shoot shank openers are limited to less than 6 mph due to excessive soil disturbance.
- **Complete separation of seed and nitrogen.** Because the 1895 uses separate openers to place seed and nitrogen, there is no chance of seed coming in contact with toxic levels of fertilizer. Double-shoot hoe openers run the risk of the nitrogen and seed coming in contact in less-than-ideal seeding conditions, especially when it is very dry.
- **Reduced horsepower requirements.** Double-shoot hoe openers require high levels of horsepower, especially in hard ground conditions. Horsepower requirements for double-shoot hoe openers can be as high as 5-7 horsepower per opener. The 90 Series single-disk opener requires a maximum of 4 horsepower per opener.
- **Unsurpassed depth control.** Because depth is set at each individual opener at the point the seed enters the soil, the 1895 offers much better depth control than any hoe drill can provide.
- **Moisture retention.** The three ranks of 90 Series no-till openers slice through residue, place the seed and fertilizer, and cover the furrows up again. With only one pass needed per year, whatever soil moisture is present is retained for maximum yield potential.
- **Field finish.** The disk openers on the 1895 disturb much less soil than hoe openers, especially double-shoot hoe openers. This benefits growers by leaving the field smoother for subsequent passes with sprayers or other implements.
- **Rocks and stones.** Unlike hoe openers, which tend to pull rocks and stones to the surface, the 1895 Drill featuring 90 Series no-till single-disk openers rolls over the rocks without pulling them closer to the surface.

**1895 Product Features**

- **Proven 90 Series no-till openers.** Since the introduction of the legendary 750 Box Drill in 1989, John Deere has been the leading North American manufacturer of single-disk no-till openers. We currently have over two million no-till single-disk openers in operation. The 90 Series opener is the third generation of the proven single-disk design pioneered on the 750 and 1850 Drills. Major features are:
  - Simple, convenient adjustments. All adjustments on the opener are made without tools. Down-pressure is adjusted hydraulically from a single point on the front of the drill frame.
  - 1/4-in. depth increments. Allows precise placement of seed and fertilizer.
  - New 90 Series seed boot. This third-generation seed boot features an advanced design that provides increased durability (twice that of the 60 Series boot), easier opener penetration, and improved seed placement in the furrow.
  - Industry-leading depth control. Only John Deere offers a combination of patented active hydraulic down-pressure with depth gauging wheels placed at the point the seed enters the ground. The result is precision depth control and more even crop emergence.
  - 2-in. of opener float. This allows growers to operate in clean-till conditions by allowing the openers to engage the ground without transferring weight from the toolbar to the openers.
  - **Patented active hydraulic down-pressure.** Active hydraulic down-force allows customers to adjust down-pressure from a single-point on the drill. Operators have the flexibility of putting more pressure on the front fertilizer rank than the rear two seeding ranks since they are on separate hydraulic circuits.
  - **Front rank lock-up.** The fertilizer openers on the front rank of the 1895 can be quickly locked up to allow those who are seeding crops that do not require heavy rates of fertilizer to save opener wear.
  - **Ability to lock up rear two ranks.** Not only is it possible to lock up the front rank, it is also possible to lock up the rear two ranks in order to seed on 20-in. centers or to apply fertilizer without seed. Only the 1895 offers this kind of versatility.

Now you have another seeding tool that offers valuable savings in time, fuel, and moisture.