



JOHN DEERE

Arends Bros. LLC

Melvin Hoopeston Urbana Ashmore
217-388-7717 217-283-5511 217-328-2820 217-349-8338



NEW 2009 Pro-Series™ Enhancement Kit

Make Planting Easy!

- Plant Multiple BT / Refuge Varieties with different shapes and seed weight all with one disk!
- Easy, Simple, No Moving Singulator Parts, Uses only Talc – not Graphite
- Slower Meter Speed with ProMax 40 Flat Cell Disk vs. 30 Cell John Deere or 30 hole E-Set
- Plants any size seed – even large seeds bigger than 62 lbs.
- Set to one vacuum level and forget it.
- Use the Genuine John Deere solution for the best possible seed population, spacing and meter reliability!



Double eliminator installed in Pro-Series meter



Kit Includes

Meter housing

Knock out wheel

ProMax 40

Seed tube gard

Flush Face Seed Tube

Sensor location existing seed tube

Sensor location Flush Face Seed Tube

New Retainer Tabs

Old Retainer Tabs

Includes:
Dome, Screw,
& Seal

\$177.62

Optional Quick change over kit

Additional **\$38.77**

Seed Meter Hub

The new meter features a heavier hub spring and disk-latching handle to ensure the proper clearance between the seed disk and meter housing at even the highest vacuum levels. The new hub features machine surfaces for more accurate centering of the seed disk. Seed spacing is improved as these changes ensure each seed is released from the seed disk at the same spot.

Flush Face Seed Tube

John Deere Seeding Group is proud to introduce the new Flush Face Seed Tube. This revolutionary translucent seed tube is constructed of a smoked-tint, UV-protected polycarbonate material. The translucency of the seed tube allows the seed tube sensor to be mounted completely external from the seed tube. This eliminates the need for a seed sensor hole that is required on current seed tubes in the industry today. Seed tubes on the market today mount the seed sensor into the hole of the seed tube. A small "ramp" above the seed sensor directs seed over the sensor to eliminate contact between the seed and seed sensor. This momentarily causes the seed to lose contact with the front face of the seed tube. The new Flush Face Seed Tube from John Deere provides an uninterrupted smooth surface from the time the seed enters the seed tube to the exit point, resulting in more consistent spacing. The manufacturing process of the Flush Face Seed Tube creates an uninterrupted, more uniform seed tube surface compared to the existing tube. This new material, which allows the seed sensor to be mounted external from the seed tube, creates an ideal situation for each seed.

Flush Face Seed Tube - Retainer Tabs

The retainer tabs located on the front of the seed tube, which lock the seed tube into position, have also been improved. The new design allows the retainer tabs to snap into position, resulting in a faster, more consistent installation.

Seed Tube Gard

Due to excessive side to side contact between old seed tube guard and seed tube, it is recommended from the Factory to install AA68468, which is a new more robust seed tube guard that is installed with larger diameter roll pins and will eliminate this unwanted contact. ** Even if new tubes are not being installed it is a good practice to inspect this guard and replace with AA68468 if excessive wear is evident.

Adjustable Double Eliminator

You will love the New Pro-Series adjustable double eliminator with defined detent settings. External adjustment of the double eliminator makes adjustments operator friendly. The defined detent points take the guesswork out of where to position the double eliminator in relation to the holes in the seed disk. The middle detent position covers 50 percent of the disk's hole and is ideal for almost all corn. This new double eliminator design offers the flexibility of two additional adjustments for either very large or very small seed. Competitive meters do not offer this adjustment flexibility. The simple adjustability provides row-to-row repeatability and greatly improves population control and seed drop.

Double Eliminator

For difficult to singulate seeds, a flat seed disk and double eliminator is a viable alternative to traditional cell-type seed disks. By design, a flat seed disk requires higher levels of vacuum than a cell-type disk because there is no "pocket" or cell to hold the seed. The higher vacuum level will pull more than one seed to the holes in the seed disk. The double eliminator is set to cover a portion of the hole in the seed disk and is the mechanism to knock multiple seeds away as the disk rotates.

Double Eliminator - Design

The Pro-Series vacuum meter has a completely redesigned external, adjustable double eliminator. The new double eliminator has defined set points with a detent for positive settings and row-to-row repeatability. The beauty of the new assembly is that while it is adjustable, set it to the detent position and leave it. The detent ensures that the eliminator setting for the first row is the same as the setting for the last row. Three marks on the adjustment knob serve as reference for the level of double eliminator engagement. The center mark is designed with a detent and is considered the optimum setting for +90% of the seed corn planted today. This detent signifies that 50% of the large sweet corn flat disk hole is covered. Should the center detent position not meet your needs, two other settings are clearly marked. Setting the double eliminator has never been easier! Because flat seed disks require higher vacuum levels, planters with 12 row units or more require two vacuum blower motors. In addition to vacuum blower requirements, 0-30-in. mechanical vacuum gauges would also be needed to monitor the elevated vacuum.

ProMax 40 Plates

Pro-Series™ vacuum seed meters may utilize flat or cell type seed disks. The proper flat seed disk for planting corn with all John Deere vacuum meters is the ProMAX 40 Flat Disk. This 40-hole disk, previously referred to as the large sweet corn disk, has been renamed to better reflect its use in today's corn production environment. Flat seed disks require a higher vacuum level because there is no cell to hold the seed on the disk. The higher vacuum level will pick up more than one seed at the seed disk hole. The double eliminator will knock off the extra seeds as the disk rotates within the meter. The result is improved seed singulation and accurate seed population and seed spacing.