



Air-Pro® Meter Ultra Test Stand Kit Meter Test Stand



When you see this symbol, the subsequent instructions and warnings are serious - follow without exception. Your life and the lives of others depend on it!

General Information

These are instructions for installing attachments and accessories to mount and operate the Great Plains Air-Pro® Meter on the MeterMax® UltraTest Stand.

These instructions apply to an installation of:

| Kit | Kit Description |
|----------|-------------------------------|
| 403-531A | Air-Pro® Ultra Test Stand Kit |

One kit provides everything needed to operate an Air-Pro® meter on the MeterMax®^a Ultra Test Stand, seed disks not included.

Tools Required

- basic hand tools

CAUTION

Entanglement Hazard:

Keep hands, loose clothing, and hair away from all moving parts. Unplug Test Stand when making adjustments or servicing. The drive can cause serious bodily injury.



Figure 1
Air-Pro® Meter Mounted on the
MeterMax® Ultra Test Stand

31056

Call-Outs

- ① to ⑨ Single-digit callouts identify components in the currently referenced Figure. These numbers may be reused for different items from page to page.
- ⑩ to ⑬ Two-digit callouts in the range 11 to 23 reference new parts from the list on page 22.

a. MeterMax® is a registered trademark of Precision Planting, Inc.

Remove Existing Attachments

Refer to Figure 2

1. Remove the following six attachments from the MeterMax® UltraTest Stand and store with unit.
 - Finger Meter Left Hand ①
 - Finger Meter Right Hand ②
 - Deere ProSeries™ (2 pieces) ③
 - Seed Tube Location Bracket ④
 - Seed Tube ⑤

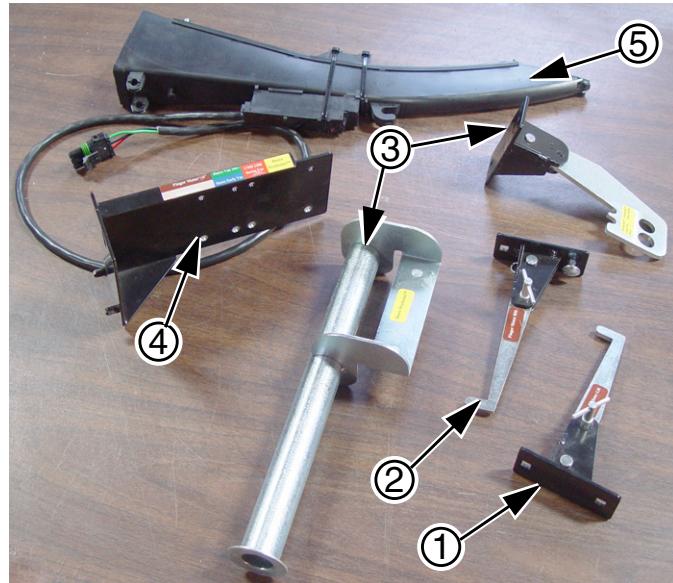


Figure 2
Attachments To Be Removed

31059

Mount Brackets and Drive Hub

Refer to Figure 3

2. Select one each of the following:
 - ⑯ drive hub
 - ⑮ RH bracket
 - ⑯ LH bracket (meter mount and clamp asy).

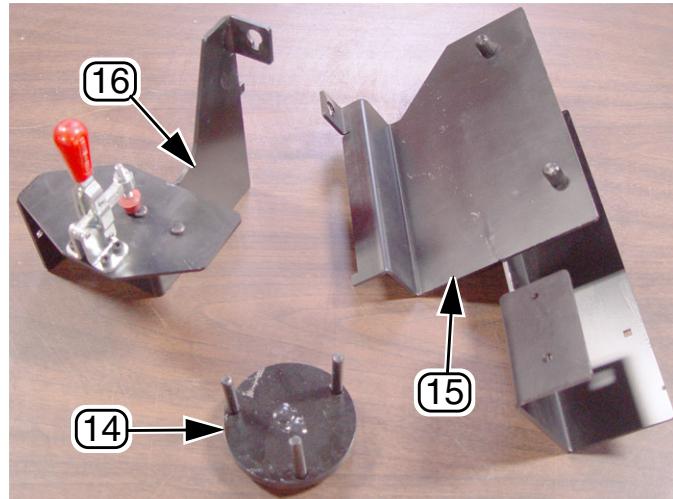


Figure 3
Air-Pro® Mounting Brkts & Drive Hub

31060

Refer to Figure 4

3. Mount the drive hub **(14)** and secure with existing long pin **(6)** (same pin used for the White meter drive).

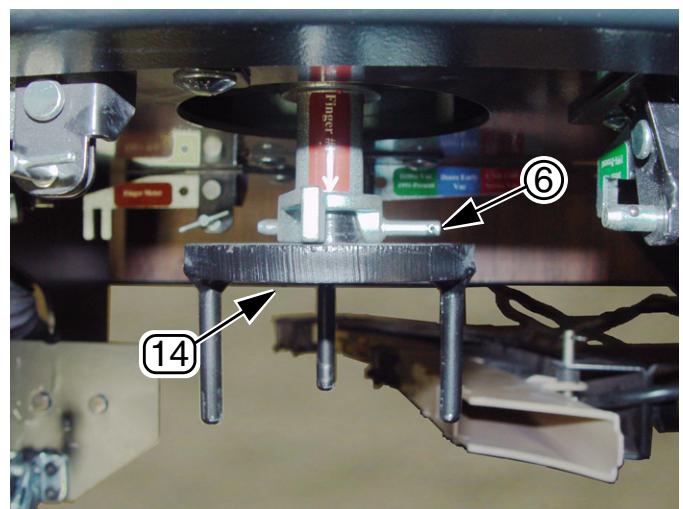


Figure 4
Drive Hub and Long Pin

31062

Refer to Figure 5

4. Mount the LH Air-Pro® meter mount clamp assembly **(16)** and secure with existing hardware **(8)**.
5. Mount the RH Air-Pro® MeterMax® mount **(15)** and secure with existing hardware **(7)**.

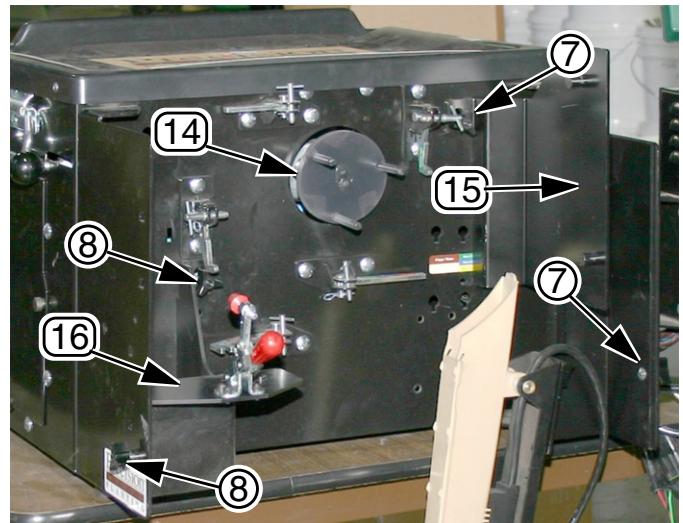


Figure 5
Test Stand Showing Brackets & Drive

31061

Refer to Figure 6

6. Cut two $\frac{1}{4}$ in spacers **(23)** from the pressure sensing $\frac{1}{4}$ in hose supplied with the Air-Pro® kit.
7. Use the two spacers to center the Air-Pro® seed tube in the seed tube bracket.
8. Position seed tube and holder in its proper location on the RH Air-Pro® meter mount and secure with existing hardware **(9)**.

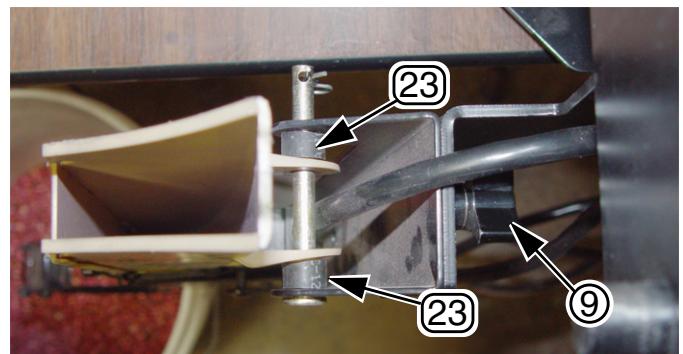


Figure 6
Seed Tube Centered in Bracket

31063

Connect Blower Supply Hose

Refer to Figure 7, Figure 8 and Figure 9

9. The Air-Pro® meter uses the blower port found at the back of the Ultra Test Stand. Make sure you add the hose extension ① for a secure connection.
10. Cap ②1 the existing pressure sensing hose that is connected to the blower supply hose.

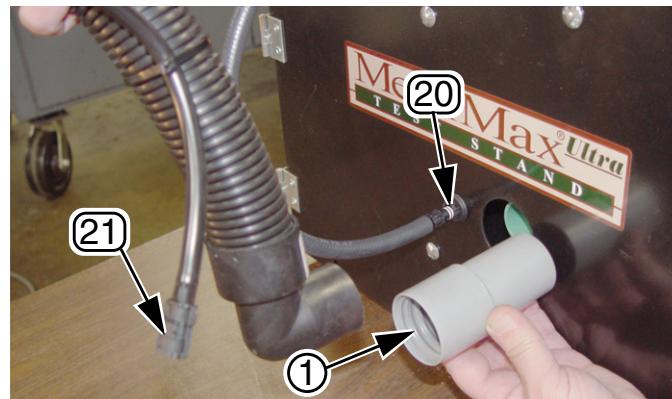


Figure 7
Hose Extension and Sensing Hose

31064

11. Secure the $\frac{1}{4}$ in barb quick connect ②0 to one end of supplied pressure sensing hose ②3 and plug in back of Ultra Test Stand.

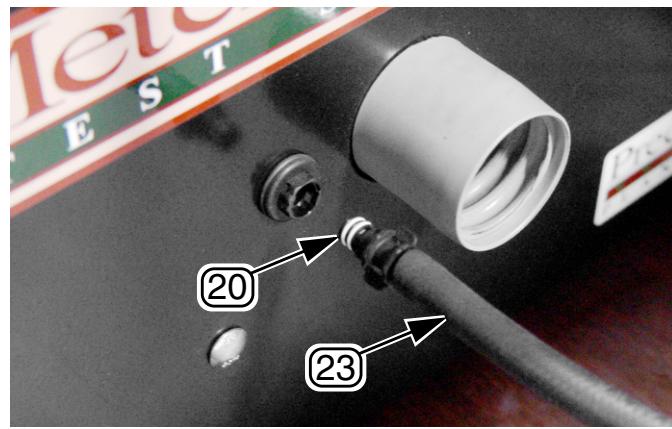


Figure 8
Quick Connect

31065

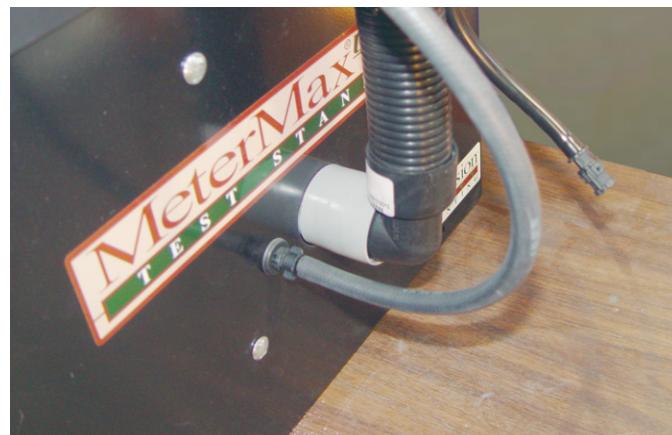


Figure 9
Hoses Connected Back of Stand

31066

Mount Air-Pro® Meter

Refer to Figure 10

12. Remove the plastic plug from the meter housing ③.

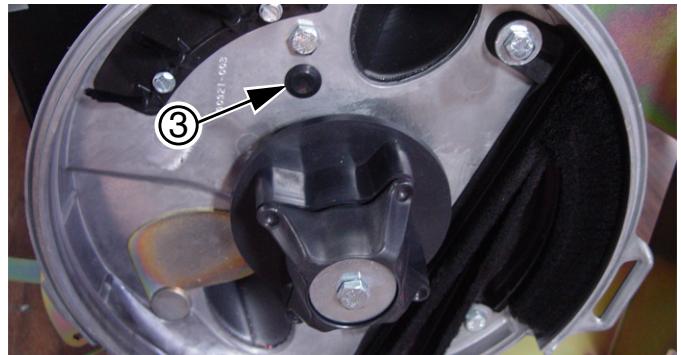


Figure 10
Meter Housing Plastic Plug

31074

Refer to Figure 11 and Figure 12

13. After you remove the plastic plug from the meter housing install the $\frac{1}{4}$ in pressure port ② and nut ⑯ as shown.
14. The pressure sensing hose from back of the Ultra Test Stand is connected at this port.
15. Use the $1\frac{1}{4}$ in to $1\frac{1}{2}$ in adaptor ⑤ to transition the blower supply hose to the air in port of the meter.

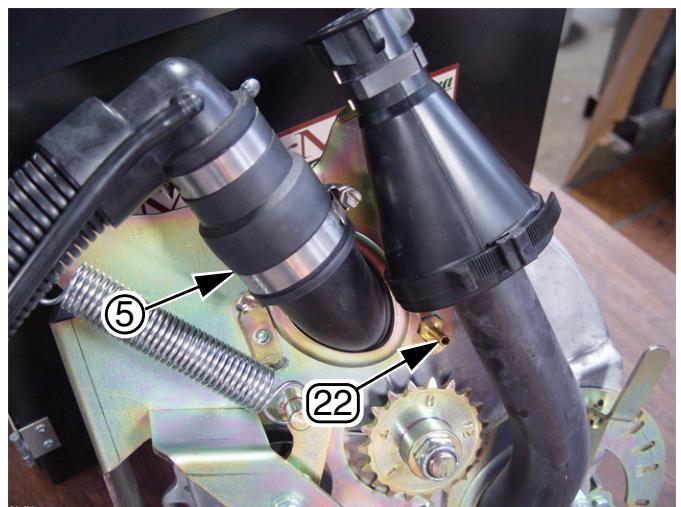


Figure 11
Adaptor for Blower Hose

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Refer to Figure 12

16. Mount the Air-Pro® meter on the locating pins of the brackets installed in Figure 5 and clamp in place.

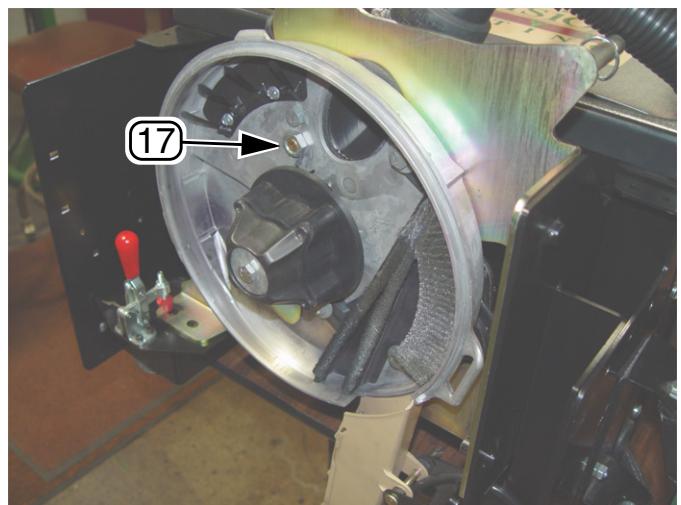


Figure 12
Mount Air-Pro® on Test Stand

31068

Refer to Figure 13

17. Make sure the top of the seed tube ⑥ is located properly behind the drip apron.

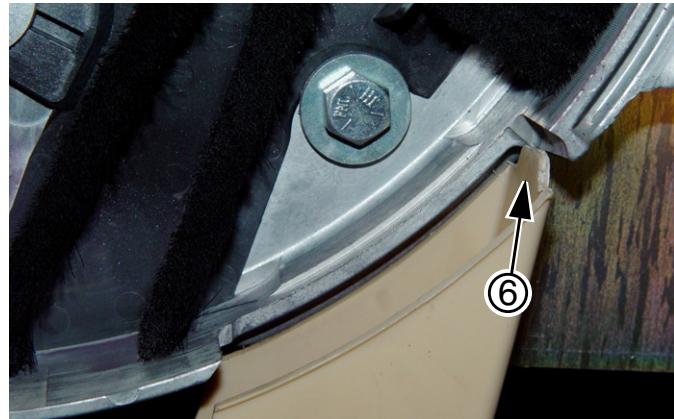


Figure 13
Top of Seed Tube

31069

Refer to Figure 14

18. Cut seed hose ⑯ 1½ in above the black molded boot. Insert the funnel ⑲ and attach to top of seed in port of the Air-Pro® meter. **Refer to Figure 1 on page 1.**



Figure 14
Funnel and Seed Hose

31086

Display Monitor

Refer to Figure 15

NOTICE

Confusion Risk:

Due to the direction of meter rotation program in the vacuum mode, the display will show "Vacuum" ⑦ but the reading you see is actually "PRESSURE IN INCHES OF WATER."

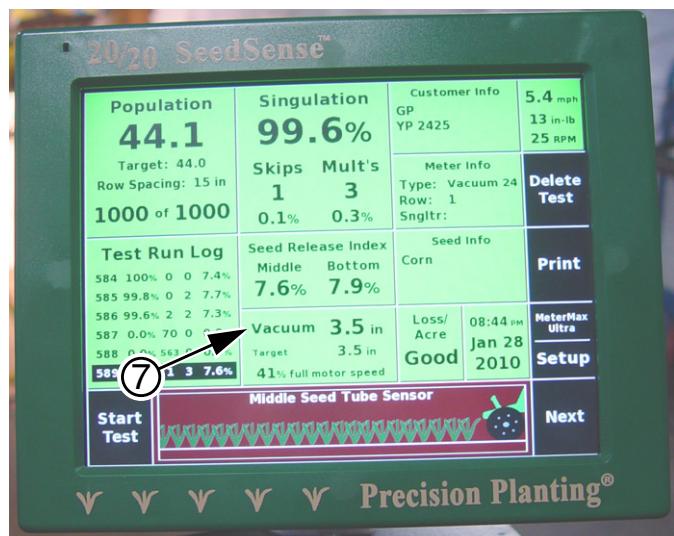


Figure 15
Seed Sense Display Monitor

31070

Meter Pressurization

Note: These are suggested initial (starting) pressures.
Higher or lower pressure adjustments can be expected to maximize singulation.

Initial Meter Pressurization: Cotton

1.5 inches of water (any seed density)
Initial seed inlet Shutter: 2

Initial Meter Pressurization: Milo

1.5 inches of water (all disk, any seed density)
Initial seed inlet Shutter: 1

Initial Meter Pressurization: Soybeans

2.0 inches of water (84 cell disk, any seed density)
3.0 inches of water (168 cell disk, any seed density)
Initial seed inlet Shutter: 2

Initial Meter Pressurization: Sunflowers

817-851C Sunflower Oil Large
8500 seeds/pound (or fewer)
8500-7000 s/lb 1.25 inches of water
7000-5500 s/lb 1.75 inches of water
5500 s/lb and fewer 2.25 inches of water
Adjust pressure as needed to achieve desired population.
Initial seed inlet Shutter: 2

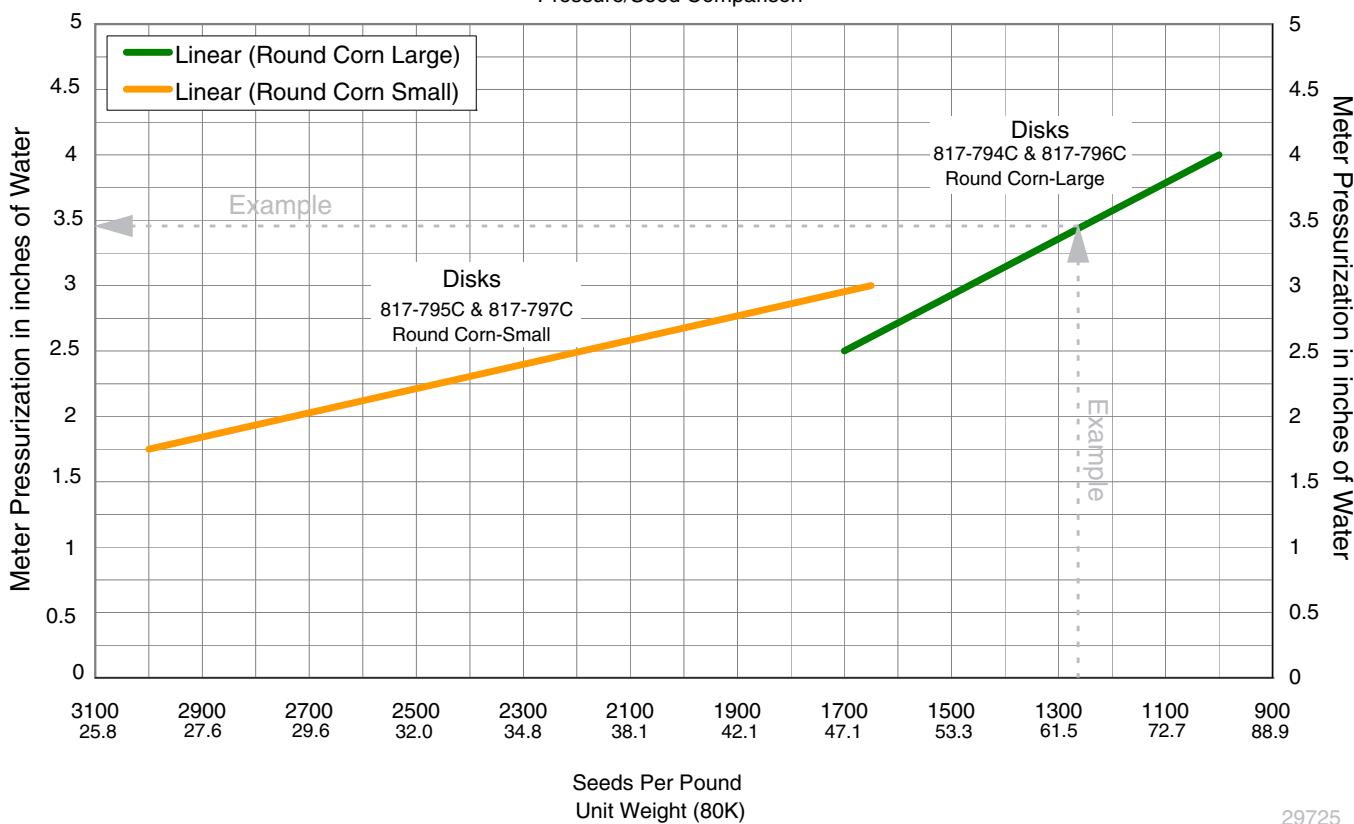
Reading a Corn Pressure Chart

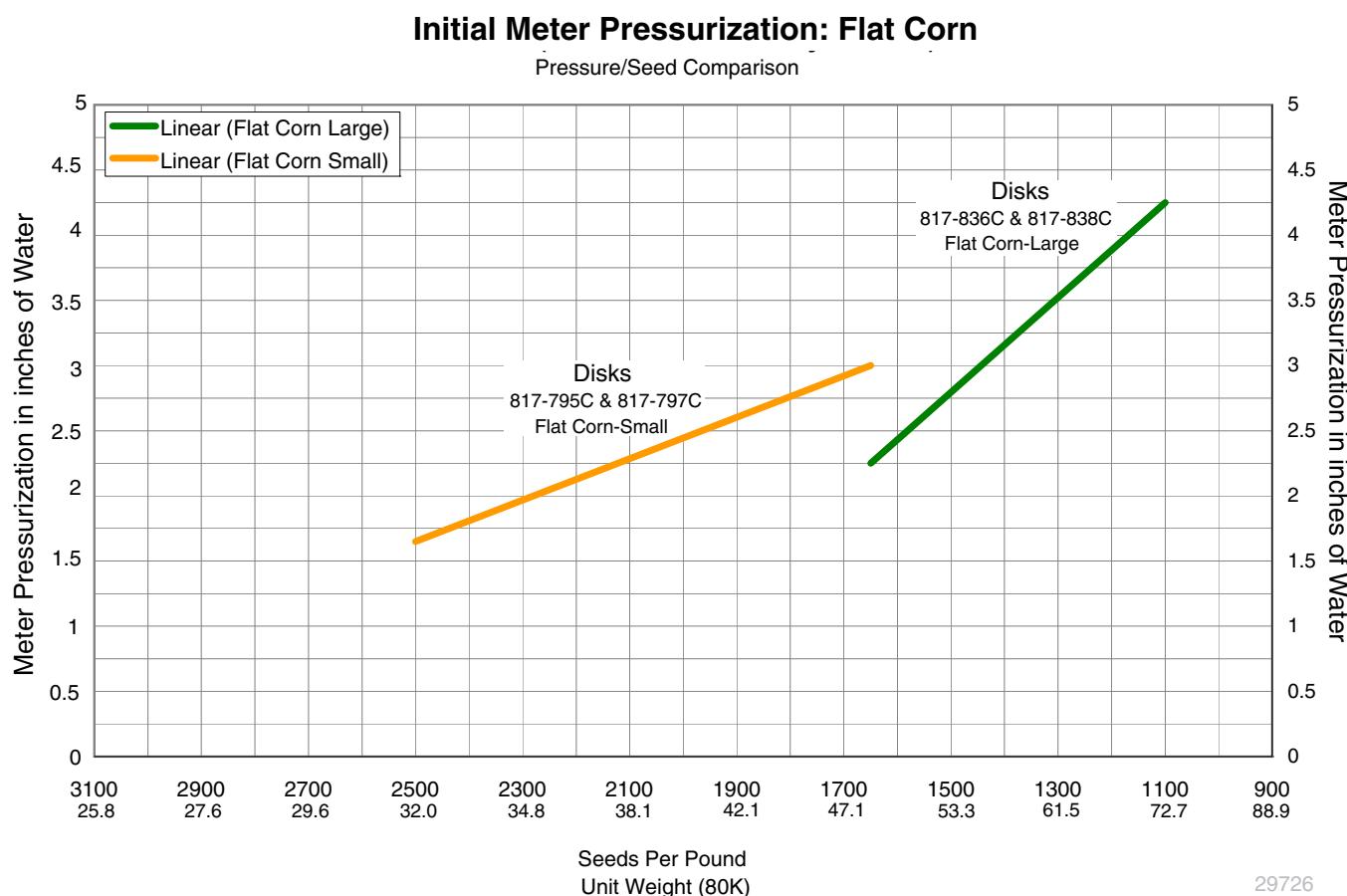
1. Pick the chart based on seed shape (flat, round).
Example: large round corn
2. Pick a line based on seed size (large, small).
Example: the right line below
3. Find the seed density on the bottom scale.
Example: 1260 seeds/pound
4. Read the suggested starting pressure on the left scale, where the line (example shown as dotted gray) intersects the density.
Example: 3.4 inches of water

Initial seed inlet Shutter for corn is: 3

Initial Meter Pressurization: Round Corn

Pressure/Seed Comparison





Air-Pro® Meter Disk Selection

| | |
|----------------------------------|----------------------------------|
| CORN | CORN |
| 24 Cell Disk | 40 Cell Disk |
| 817-794C Corn Round Large | 817-796C Corn Round Large |
| 817-795C Corn Round Small | 817-797C Corn Round Small |
| 817-836C Corn Flat Large | 817-838C Corn Flat Large |

(Sweet Corn plants in Round Corn disks)

Seed Size Recommendations.

| | | |
|-------------------------|------------------------|---------------------------------|
| Corn Round Large | Seeds per Pound | Unit Weight (or heavier) |
| | 1700 (or fewer) | 47 pounds |
| Corn Round Small | Seeds per Pound | Unit Weight (or lighter) |
| | 1650 (or more) | 48.5 pounds |
| Corn Flat Large | Seeds per Pound | Unit Weight (or lighter) |
| | 1650 (or fewer) | 48.5 pounds |
| Corn Flat Small | Seeds per Pound | Unit Weight (or lighter) |
| | 1650 (or more) | 48.5 pounds |

ATTENTION: This Corn is planted with the Corn Round Small Disks!!!!!!

(Recommended)

| | | |
|----------------------|--|---------------------|
| 40in Rows | <i>Below 19 400 Population @ 5.5 MPH</i> | 24 Cell Disk |
| | <i>Above 19 400 Population @ 5.5 MPH</i> | 40 Cell Disk |
| 38in Rows | <i>Below 20 500 Population @ 5.5 MPH</i> | 24 Cell Disk |
| | <i>Above 20 500 Population @ 5.5 MPH</i> | 40 Cell Disk |
| 36in Rows | <i>Below 21 600 Population @ 5.5 MPH</i> | 24 Cell Disk |
| | <i>Above 21 600 Population @ 5.5 MPH</i> | 40 Cell Disk |
| 30in Rows | <i>Below 25 900 Population @ 5.5 MPH</i> | 24 Cell Disk |
| | <i>Above 25 900 Population @ 5.5 MPH</i> | 40 Cell Disk |
| 22in Rows | <i>Below 35 300 Population @ 5.5 MPH</i> | 24 Cell Disk |
| | <i>Above 35 300 Population @ 5.5 MPH</i> | 40 Cell Disk |
| Twin Row 40in | <i>Below 38 900 Population @ 5.5 MPH</i> | 24 Cell Disk |
| 20in Rows | <i>Above 38 900 Population @ 5.5 MPH</i> | 40 Cell Disk |
| Twin Row 38in | <i>Below 40 900 Population @ 5.5 MPH</i> | 24 Cell Disk |
| | <i>Above 40 900 Population @ 5.5 MPH</i> | 40 Cell Disk |
| Twin Row 36in | <i>Below 43 200 Population @ 5.5 MPH</i> | 24 Cell Disk |
| | <i>Above 43 200 Population @ 5.5 MPH</i> | 40 Cell Disk |
| Twin Row 30in | <i>Below 51 800 Population @ 5.5 MPH</i> | 24 Cell Disk |
| 15in Rows | <i>Above 51 800 Population @ 5.5 MPH</i> | 40 Cell Disk |

COTTON
60 Cell Disk
817-857C

Seed Size Recommendations.

This disk should plant all seed sizes and row spacings for Cotton.

32228A

AIR-PRO® METER DISK SELECTION

MILO
65 Cell Disk
817-849C

MILO
130 Cell Disk
817-800C

Seed Size Recommendations.

These disks should plant all seed sizes of Milo and Pelletized Sugar Beets.

(Recommended)

| | | |
|----------------------|--|-------------------------------|
| 40in Rows | <i>Below 48 300 Population @ 6 MPH</i> <i>Above 48 300 Population @ 6 MPH</i> | 65 Cell Disk 130 Cell Disk |
| 38in Rows | <i>Below 50 800 Population @ 6 MPH</i> <i>Above 50 800 Population @ 6 MPH</i> | 65 Cell Disk 130 Cell Disk |
| 36in Rows | <i>Below 53 600 Population @ 6 MPH</i> <i>Above 53 600 Population @ 6 MPH</i> | 65 Cell Disk 130 Cell Disk |
| 30in Rows | <i>Below 64 300 Population @ 6 MPH</i> <i>Above 64 300 Population @ 6 MPH</i> | 65 Cell Disk 130 Cell Disk |
| 22in Rows | <i>Below 87 700 Population @ 6 MPH</i> <i>Above 87 700 Population @ 6 MPH</i> | 65 Cell Disk 130 Cell Disk |
| Twin Row 40in | <i>Below 96 500 Population @ 6 MPH</i> | 65 Cell Disk |
| 20in Rows | <i>Above 96 500 Population @ 6 MPH</i> | 130 Cell Disk |
| Twin Row 38in | <i>Below 101 600 Population @ 6 MPH</i> <i>Above 101 600 Population @ 6 MPH</i> | 65 Cell Disk 130 Cell Disk |
| Twin Row 36in | <i>Below 107 200 Population @ 6 MPH</i> <i>Above 107 200 Population @ 6 MPH</i> | 65 Cell Disk 130 Cell Disk |
| Twin Row 30in | <i>Below 128 700 Population @ 6 MPH</i> | 65 Cell Disk |
| 15in Rows | <i>Above 128 700 Population @ 6 MPH</i> | 130 Cell Disk |
| 10in Rows | <i>Below 193 000 Population @ 6 MPH</i> <i>Above 193 000 Population @ 6 MPH</i> | 65 Cell Disk 130 Cell Disk |

SOYBEAN
84 Cell Disk
817-798C

SOYBEAN
168 Cell Disk
403-551D

Seed Size Recommendations.

These disks should plant all seed sizes of Soybeans.

Small edible beans (navy, black jack, black eye peas, etc) will plant with this disk also.

(Recommended)

| | | |
|----------------------|--|-------------------------------|
| 40in Rows | <i>Below 76 900 Population @ 6 MPH</i> <i>Above 76 900 Population @ 6 MPH</i> | 84 Cell Disk 168 Cell Disk |
| 38in Rows | <i>Below 81 000 Population @ 6 MPH</i> <i>Above 81 000 Population @ 6 MPH</i> | 84 Cell Disk 168 Cell Disk |
| 36in Rows | <i>Below 85 500 Population @ 6 MPH</i> <i>Above 85 500 Population @ 6 MPH</i> | 84 Cell Disk 168 Cell Disk |
| 30in Rows | <i>Below 102 500 Population @ 6 MPH</i> <i>Above 102 500 Population @ 6 MPH</i> | 84 Cell Disk 168 Cell Disk |
| 22in Rows | <i>Below 139 800 Population @ 6 MPH</i> <i>Above 139 800 Population @ 6 MPH</i> | 84 Cell Disk 168 Cell Disk |
| Twin Row 40in | <i>Below 153 800 Population @ 6 MPH</i> | 84 Cell Disk |
| 20in Rows | <i>Above 153 800 Population @ 6 MPH</i> | 168 Cell Disk |
| Twin Row 38in | <i>Below 161 900 Population @ 6 MPH</i> <i>Above 161 900 Population @ 6 MPH</i> | 84 Cell Disk 168 Cell Disk |
| Twin Row 36in | <i>Below 170 900 Population @ 6 MPH</i> <i>Above 170 900 Population @ 6 MPH</i> | 84 Cell Disk 168 Cell Disk |
| Twin Row 30in | <i>Below 205 100 Population @ 6 MPH</i> | 84 Cell Disk |
| 15in Rows | <i>Above 205 100 Population @ 6 MPH</i> | 168 Cell Disk |
| 10in Rows | <i>Below 307 700 Population @ 6 MPH</i> <i>Above 307 700 Population @ 6 MPH</i> | 84 Cell Disk 168 Cell Disk |

32228B

AIR-PRO® METER DISK SELECTION**SUNFLOWER
24 Cell Disk
817-851C SUNFLOWER OIL LARGE**

This disk should plant all seed sizes of popcorn.

Seed Size Recommendations.

| | |
|-----------------------------|------------------------|
| Sunflower Oil Large | Seeds per Pound |
| 2's - most 3's | 8500 (or fewer) |
| And a few of the larger 4's | (or fewer) |

**Volumetric No.1 84 Cell Disk
817-867C*****Available for:***

Wheat

**Air Meter Blank Disk
817-841C**

**These disks are used in (Off Row Meters) when changing from 15" to 30" Rows.
Twin Row 30" to 30" Rows. Twin Row 40" to 40" Rows. (etc)**

32228C

Seed Spacing

Seed Spacing (U.S. Customary units, page 1 of 2)

| Plant Population (seeds/acre) | Row Spacings | | | | | | | | | |
|-------------------------------------|-----------------------|------------------|------------------|------------------|------------------|--------------|--------------|--------------|--------------|--------------|
| | | Twin Row 30in | Twin Row 36in | Twin Row 38in | Twin Row 40in | | | | | |
| | 10in Rows | 15in Rows | | | 20in Rows | 22in Rows | 30in Rows | 36in Rows | 38in Rows | 40in Rows |
| | Seed Spacing (inches) | | | | | | | | | |
| 14 000 | 44.8 | 29.9 | 24.9 | 23.6 | 22.4 | 20.4 | 14.9 | 12.4 | 11.8 | 11.2 |
| 15 000 | 41.8 | 27.9 | 23.2 | 22.0 | 20.9 | 19.0 | 13.9 | 11.6 | 11.0 | 10.5 |
| 16 000 | 39.2 | 26.1 | 21.8 | 20.6 | 19.6 | 17.8 | 13.1 | 10.9 | 10.3 | 9.8 |
| 17 000 | 36.9 | 24.6 | 20.5 | 19.4 | 18.4 | 16.8 | 12.3 | 10.2 | 9.7 | 9.2 |
| 18 000 | 34.8 | 23.2 | 19.4 | 18.3 | 17.4 | 15.8 | 11.6 | 9.7 | 9.2 | 8.7 |
| 19 000 | 33.0 | 22.0 | 18.3 | 17.4 | 16.5 | 15.0 | 11.0 | 9.2 | 8.7 | 8.3 |
| 20 000 | 31.4 | 20.9 | 17.4 | 16.5 | 15.7 | 14.3 | 10.5 | 8.7 | 8.3 | 7.8 |
| 21 000 | 29.9 | 19.9 | 16.6 | 15.7 | 14.9 | 13.6 | 10.0 | 8.3 | 7.9 | 7.5 |
| 22 000 | 28.5 | 19.0 | 15.8 | 15.0 | 14.3 | 13.0 | 9.5 | 7.9 | 7.5 | 7.1 |
| 23 000 | 27.3 | 18.2 | 15.2 | 14.4 | 13.6 | 12.4 | 9.1 | 7.6 | 7.2 | 6.8 |
| 24 000 | 26.1 | 17.4 | 14.5 | 13.8 | 13.1 | 11.9 | 8.7 | 7.3 | 6.9 | 6.5 |
| 25 000 | 25.1 | 16.7 | 13.9 | 13.2 | 12.5 | 11.4 | 8.4 | 7.0 | 6.6 | 6.3 |
| 26 000 | 24.1 | 16.1 | 13.4 | 12.7 | 12.1 | 11.0 | 8.0 | 6.7 | 6.3 | 6.0 |
| 27 000 | 23.2 | 15.5 | 12.9 | 12.2 | 11.6 | 10.6 | 7.7 | 6.5 | 6.1 | 5.8 |
| 28 000 | 22.4 | 14.9 | 12.4 | 11.8 | 11.2 | 10.2 | 7.5 | 6.2 | 5.9 | 5.6 |
| 29 000 | 21.6 | 14.4 | 12.0 | 11.4 | 10.8 | 9.8 | 7.2 | 6.0 | 5.7 | 5.4 |
| 30 000 | 20.9 | 13.9 | 11.6 | 11.0 | 10.5 | 9.5 | 7.0 | 5.8 | 5.5 | 5.2 |
| 31 000 | 20.2 | 13.5 | 11.2 | 10.6 | 10.1 | 9.2 | 6.7 | 5.6 | 5.3 | 5.1 |
| 32 000 | 19.6 | 13.1 | 10.9 | 10.3 | 9.8 | 8.9 | 6.5 | 5.4 | 5.2 | 4.9 |
| 33 000 | 19.0 | 12.7 | 10.6 | 10.0 | 9.5 | 8.6 | 6.3 | 5.3 | 5.0 | 4.8 |
| 34 000 | 18.4 | 12.3 | 10.2 | 9.7 | 9.2 | 8.4 | 6.1 | 5.1 | 4.9 | 4.6 |
| 35 000 | 17.9 | 11.9 | 10.0 | 9.4 | 9.0 | 8.1 | 6.0 | 5.0 | 4.7 | 4.5 |
| 36 000 | 17.4 | 11.6 | 9.7 | 9.2 | 8.7 | 7.9 | 5.8 | 4.8 | 4.6 | 4.4 |
| 37 000 | 17.0 | 11.3 | 9.4 | 8.9 | 8.5 | 7.7 | 5.7 | 4.7 | 4.5 | 4.2 |
| 38 000 | 16.5 | 11.0 | 9.2 | 8.7 | 8.3 | 7.5 | 5.5 | 4.6 | 4.3 | 4.1 |
| 39 000 | 16.1 | 10.7 | 8.9 | 8.5 | 8.0 | 7.3 | 5.4 | 4.5 | 4.2 | 4.0 |
| 40 000 | 15.7 | 10.5 | 8.7 | 8.3 | 7.8 | 7.1 | 5.2 | 4.4 | 4.1 | 3.9 |
| 41 000 | 15.3 | 10.2 | 8.5 | 8.1 | 7.6 | 7.0 | 5.1 | 4.2 | 4.0 | 3.8 |
| 42 000 | 14.9 | 10.0 | 8.3 | 7.9 | 7.5 | 6.8 | 5.0 | 4.1 | 3.9 | 3.7 |
| 43 000 | 14.6 | 9.7 | 8.1 | 7.7 | 7.3 | 6.6 | 4.9 | 4.1 | 3.8 | 3.6 |
| 44 000 | 14.3 | 9.5 | 7.9 | 7.5 | 7.1 | 6.5 | 4.8 | 4.0 | 3.8 | 3.6 |
| 45 000 | 13.9 | 9.3 | 7.7 | 7.3 | 7.0 | 6.3 | 4.6 | 3.9 | 3.7 | 3.5 |
| 46 000 | 13.6 | 9.1 | 7.6 | 7.2 | 6.8 | 6.2 | 4.5 | 3.8 | 3.6 | 3.4 |
| 47 000 | 13.3 | 8.9 | 7.4 | 7.0 | 6.7 | 6.1 | 4.4 | 3.7 | 3.5 | 3.3 |
| 48 000 | 13.1 | 8.7 | 7.3 | 6.9 | 6.5 | 5.9 | 4.4 | 3.6 | 3.4 | 3.3 |
| 49 000 | 12.8 | 8.5 | 7.1 | 6.7 | 6.4 | 5.8 | 4.3 | 3.6 | 3.4 | 3.2 |
| 50 000 | 12.5 | 8.4 | 7.0 | 6.6 | 6.3 | 5.7 | 4.2 | 3.5 | 3.3 | 3.1 |

32320A

Seed Spacing (U.S. Customary units, page 2 of 2)

| Plant Population (seeds/acre) | Row Spacings | | | | | | | | | |
|-------------------------------------|--------------|------------------|------------------|------------------|------------------|--------------|--------------|--------------|--------------|--------------|
| | | Twin Row 30in | Twin Row 36in | Twin Row 38in | Twin Row 40in | | | | | |
| | 10in Rows | 15in Rows | | | 20in Rows | 22in Rows | 30in Rows | 36in Rows | 38in Rows | 40in Rows |
| Seed Spacing (inches) | | | | | | | | | | |
| 50 000 | 12.5 | 8.4 | 7.0 | 6.6 | 6.3 | 5.7 | 4.2 | 3.5 | 3.3 | 3.1 |
| 55 000 | 11.4 | 7.6 | 6.3 | 6.0 | 5.7 | 5.2 | 3.8 | 3.2 | 3.0 | 2.9 |
| 60 000 | 10.5 | 7.0 | 5.8 | 5.5 | 5.2 | 4.8 | 3.5 | 2.9 | 2.8 | 2.6 |
| 65 000 | 9.7 | 6.4 | 5.4 | 5.1 | 4.8 | 4.4 | 3.2 | 2.7 | 2.5 | 2.4 |
| 70 000 | 9.0 | 6.0 | 5.0 | 4.7 | 4.5 | 4.1 | 3.0 | 2.5 | 2.4 | 2.2 |
| 75 000 | 8.4 | 5.6 | 4.6 | 4.4 | 4.2 | 3.8 | 2.8 | 2.3 | 2.2 | 2.1 |
| 80 000 | 7.8 | 5.2 | 4.4 | 4.1 | 3.9 | 3.6 | 2.6 | 2.2 | 2.1 | 2.0 |
| 85 000 | 7.4 | 4.9 | 4.1 | 3.9 | 3.7 | 3.4 | 2.5 | 2.0 | 1.9 | 1.8 |
| 90 000 | 7.0 | 4.6 | 3.9 | 3.7 | 3.5 | 3.2 | 2.3 | 1.9 | 1.8 | 1.7 |
| 95 000 | 6.6 | 4.4 | 3.7 | 3.5 | 3.3 | 3.0 | 2.2 | 1.8 | 1.7 | 1.7 |
| 100 000 | 6.3 | 4.2 | 3.5 | 3.3 | 3.1 | 2.9 | 2.1 | 1.7 | 1.7 | 1.6 |
| 105 000 | 6.0 | 4.0 | 3.3 | 3.1 | 3.0 | 2.7 | 2.0 | 1.7 | 1.6 | 1.5 |
| 110 000 | 5.7 | 3.8 | 3.2 | 3.0 | 2.9 | 2.6 | 1.9 | 1.6 | 1.5 | 1.4 |
| 115 000 | 5.5 | 3.6 | 3.0 | 2.9 | 2.7 | 2.5 | 1.8 | 1.5 | 1.4 | 1.4 |
| 120 000 | 5.2 | 3.5 | 2.9 | 2.8 | 2.6 | 2.4 | 1.7 | 1.5 | 1.4 | 1.3 |
| 125 000 | 5.0 | 3.3 | 2.8 | 2.6 | 2.5 | 2.3 | 1.7 | 1.4 | 1.3 | 1.3 |
| 130 000 | 4.8 | 3.2 | 2.7 | 2.5 | 2.4 | 2.2 | 1.6 | 1.3 | 1.3 | 1.2 |
| 135 000 | 4.6 | 3.1 | 2.6 | 2.4 | 2.3 | 2.1 | 1.5 | 1.3 | 1.2 | 1.2 |
| 140 000 | 4.5 | 3.0 | 2.5 | 2.4 | 2.2 | 2.0 | 1.5 | 1.2 | 1.2 | 1.1 |
| 145 000 | 4.3 | 2.9 | 2.4 | 2.3 | 2.2 | 2.0 | 1.4 | 1.2 | 1.1 | 1.1 |
| 150 000 | 4.2 | 2.8 | 2.3 | 2.2 | 2.1 | 1.9 | 1.4 | 1.2 | 1.1 | 1.0 |
| 155 000 | 4.0 | 2.7 | 2.2 | 2.1 | 2.0 | 1.8 | 1.3 | 1.1 | 1.1 | 1.0 |
| 160 000 | 3.9 | 2.6 | 2.2 | 2.1 | 2.0 | 1.8 | 1.3 | 1.1 | 1.0 | 1.0 |
| 165 000 | 3.8 | 2.5 | 2.1 | 2.0 | 1.9 | 1.7 | 1.3 | 1.1 | 1.0 | 1.0 |
| 170 000 | 3.7 | 2.5 | 2.0 | 1.9 | 1.8 | 1.7 | 1.2 | 1.0 | 1.0 | 0.9 |
| 175 000 | 3.6 | 2.4 | 2.0 | 1.9 | 1.8 | 1.6 | 1.2 | 1.0 | 0.9 | 0.9 |
| 180 000 | 3.5 | 2.3 | 1.9 | 1.8 | 1.7 | 1.6 | 1.2 | 1.0 | 0.9 | 0.9 |
| 185 000 | 3.4 | 2.3 | 1.9 | 1.8 | 1.7 | 1.5 | 1.1 | 0.9 | 0.9 | 0.8 |
| 190 000 | 3.3 | 2.2 | 1.8 | 1.7 | 1.7 | 1.5 | 1.1 | 0.9 | 0.9 | 0.8 |
| 195 000 | 3.2 | 2.1 | 1.8 | 1.7 | 1.6 | 1.5 | 1.1 | 0.9 | 0.8 | 0.8 |
| 200 000 | 3.1 | 2.1 | 1.7 | 1.7 | 1.6 | 1.4 | 1.0 | 0.9 | 0.8 | 0.8 |
| 225 000 | 2.8 | 1.9 | 1.5 | 1.5 | 1.4 | 1.3 | 0.9 | 0.8 | 0.7 | 0.7 |
| 250 000 | 2.5 | 1.7 | 1.4 | 1.3 | 1.3 | 1.1 | 0.8 | 0.7 | 0.7 | 0.6 |
| 275 000 | 2.3 | 1.5 | 1.3 | 1.2 | 1.1 | 1.0 | 0.8 | 0.6 | 0.6 | 0.6 |
| 300 000 | 2.1 | 1.4 | 1.2 | 1.1 | 1.0 | 1.0 | 0.7 | 0.6 | 0.6 | 0.5 |

32320B

Seed Lubricants

Air-Pro® Meters (all seeds)

Ezee Glide Plus Talc + Graphite Mix

821-069C bucket, 5 gallon (19 liter)

Ezee Glide Plus Lubricant

To maximize performance of Great Plains metering systems, it is imperative to use only "Ezee Glide Plus" lubricant. "Ezee Glide Plus" Talc + Graphite lubricant is mandatory for all seeds, especially treated or inoculated seed. **Thorough mixing of seed and added lubricant is required.**

Recommended Usage:

For clean seeds other than milo, cotton, and sunflowers sprinkle one cup of Ezee Glide Plus per 4 bushels or units (170 ml per 100 liters) of seed.

For milo, cotton, and sunflowers double the application to one cup (or more) per 2 bu or units (335 ml per 100 liters) of seed.

Adjust this rate as necessary so all seeds become coated while avoiding an accumulation of lubricant in the bottom of the hopper.

For seed with excessive treatment, or for humid planting environments, increase the rate as needed for smooth meter operation.



29248

⚠ CAUTION

Irritation and Chronic Exposure Hazard:

Wear gloves. DO NOT use hands or any part of your body to mix seed lubricant. Wear a respirator when transferring and mixing. Avoid breathing lubricant dust. Not an acute hazard.

May cause mechanical eye or skin irritation in high concentrations. As with all mineral spills, minimize dusting during clean-up. Prolonged inhalation may cause lung injury. Product can become slippery when wet.

Metric Charts

Air-Pro® Meter Disk Selection - Metric

CORN

24 Cell Disk
817-794C Corn Round Large
817-795C Corn Round Small
817-836C Corn Flat Large

CORN

40 Cell Disk
817-796C Corn Round Large
817-797C Corn Round Small
817-838C Corn Flat Large

(Sweet Corn plants in Round Corn disks)

Seed Size Recommendations.

| | |
|------------------|---------------------------------------|
| Corn Round Large | Seeds per Kilogram 3750 (or fewer) |
| Corn Round Small | Seeds per Kilogram 3640 (or more) |
| Corn Flat Large | Seeds per Kilogram 3640 (or fewer) |
| Corn Flat Small | Seeds per Kilogram 3640 (or more) |

ATTENTION: This Corn is planted with the Corn Round Small Disks!!!!!!

(Recommended)

| | | |
|------------------|--|------------------------------|
| 101.6cm Rows | Below 48 000 seeds/ha @ 8.9kph Above 48 000 seeds/ha @ 8.9kph | 24 Cell Disk 40 Cell Disk |
| 96.5cm Rows | Below 50 600 seeds/ha @ 8.9kph Above 50 600 seeds/ha @ 8.9kph | 24 Cell Disk 40 Cell Disk |
| 91.4cm Rows | Below 53 400 seeds/ha @ 8.9kph Above 53 400 seeds/ha @ 8.9kph | 24 Cell Disk 40 Cell Disk |
| 76.2cm Rows | Below 64 000 seeds/ha @ 8.9kph Above 64 000 seeds/ha @ 8.9kph | 24 Cell Disk 40 Cell Disk |
| 70cm Rows | Below 69 700 seeds/ha @ 8.9kph Above 69 700 seeds/ha @ 8.9kph | 24 Cell Disk 40 Cell Disk |
| 55.9cm Rows | Below 87 300 seeds/ha @ 8.9kph Above 87 300 seeds/ha @ 8.9kph | 24 Cell Disk 40 Cell Disk |
| Twin Row 101.6cm | Below 96 100 seeds/ha @ 8.9kph | 24 Cell Disk |
| 50.8cm Rows | Above 96 100 seeds/ha @ 8.9kph | 40 Cell Disk |
| Twin Row 96.5cm | Below 101 100 seeds/ha @ 8.9kph Above 101 100 seeds/ha @ 8.9kph | 24 Cell Disk 40 Cell Disk |
| Twin Row 91.4cm | Below 106 700 seeds/ha @ 8.9kph Above 106 700 seeds/ha @ 8.9kph | 24 Cell Disk 40 Cell Disk |
| Twin Row 76.2cm | Below 129 000 seeds/ha @ 8.9kph | 24 Cell Disk |
| 38.1cm Rows | Above 129 000 seeds/ha @ 8.9kph | 40 Cell Disk |
| Twin Row 70cm | Below 139 400 seeds/ha @ 8.9kph | 24 Cell Disk |
| 35cm Rows | Above 139 400 seeds/ha @ 8.9kph | 40 Cell Disk |

COTTON

60 Cell Disk
817-857C

Seed Size Recommendations.

This disk should plant all seed sizes and row spacings for Cotton.

32200A

METRIC
AIR-PRO® METER DISK SELECTION

MILO
65 Cell Disk
817-849C

MILO
130 Cell Disk
817-800C

Seed Size Recommendations.

These disks should plant all seed sizes of Milo and Pelletized Sugar Beets.

(Recommended)

| | | |
|-------------------------|--|-------------------------------|
| 101.6cm Rows | <i>Below 119 300 seeds/ha @ 9.7kph</i> <i>Above 119 300 seeds/ha @ 9.7kph</i> | 65 Cell Disk 130 Cell Disk |
| 96.5cm Rows | <i>Below 125 500 seeds/ha @ 9.7kph</i> <i>Above 125 500 seeds/ha @ 9.7kph</i> | 65 Cell Disk 130 Cell Disk |
| 91.4cm Rows | <i>Below 132 500 seeds/ha @ 9.7kph</i> <i>Above 132 500 seeds/ha @ 9.7kph</i> | 65 Cell Disk 130 Cell Disk |
| 76.2cm Rows | <i>Below 159 000 seeds/ha @ 9.7kph</i> <i>Above 159 000 seeds/ha @ 9.7kph</i> | 65 Cell Disk 130 Cell Disk |
| 70cm Rows | <i>Below 173 100 seeds/ha @ 8.9kph</i> <i>Above 173 100 seeds/ha @ 8.9kph</i> | 65 Cell Disk 130 Cell Disk |
| 55.9cm Rows | <i>Below 216 800 seeds/ha @ 9.7kph</i> <i>Above 216 800 seeds/ha @ 9.7kph</i> | 65 Cell Disk 130 Cell Disk |
| Twin Row 101.6cm | <i>Below 238 500 seeds/ha @ 9.7kph</i> | 65 Cell Disk |
| 50.8cm Rows | <i>Above 238 500 seeds/ha @ 9.7kph</i> | 130 Cell Disk |
| Twin Row 96.5cm | <i>Below 251 100 seeds/ha @ 9.7kph</i> <i>Above 251 100 seeds/ha @ 9.7kph</i> | 65 Cell Disk 130 Cell Disk |
| Twin Row 91.4cm | <i>Below 265 000 seeds/ha @ 9.7kph</i> <i>Above 265 000 seeds/ha @ 9.7kph</i> | 65 Cell Disk 130 Cell Disk |
| Twin Row 76.2cm | <i>Below 318 000 seeds/ha @ 9.7kph</i> | 65 Cell Disk |
| 38.1cm Rows | <i>Above 318 000 seeds/ha @ 9.7kph</i> | 130 Cell Disk |
| Twin Row 70cm | <i>Below 346 200 seeds/ha @ 8.9kph</i> | 65 Cell Disk |
| 35cm Rows | <i>Above 346 200 seeds/ha @ 8.9kph</i> | 130 Cell Disk |

SOYBEAN
84 Cell Disk
817-798C

SOYBEAN
168 Cell Disk
403-551D

Seed Size Recommendations.

These disks should plant all seed sizes of Soybeans.

Small edible beans (navy, black jack, black eye peas, etc) will plant with this disk also.

(Recommended)

| | | |
|-------------------------|--|-------------------------------|
| 101.6cm Rows | <i>Below 190 100 seeds/ha @ 9.7kph</i> <i>Above 190 100 seeds/ha @ 9.7kph</i> | 84 Cell Disk 168 Cell Disk |
| 96.5cm Rows | <i>Below 200 100 seeds/ha @ 9.7kph</i> <i>Above 200 100 seeds/ha @ 9.7kph</i> | 84 Cell Disk 168 Cell Disk |
| 91.4cm Rows | <i>Below 211 200 seeds/ha @ 9.7kph</i> <i>Above 211 200 seeds/ha @ 9.7kph</i> | 84 Cell Disk 168 Cell Disk |
| 76.2cm Rows | <i>Below 253 400 seeds/ha @ 9.7kph</i> <i>Above 253 400 seeds/ha @ 9.7kph</i> | 84 Cell Disk 168 Cell Disk |
| 70cm Rows | <i>Below 275 900 seeds/ha @ 8.9kph</i> <i>Above 275 900 seeds/ha @ 8.9kph</i> | 84 Cell Disk 168 Cell Disk |
| 55.9cm Rows | <i>Below 345 600 seeds/ha @ 9.7kph</i> <i>Above 345 600 seeds/ha @ 9.7kph</i> | 84 Cell Disk 168 Cell Disk |
| Twin Row 101.6cm | <i>Below 380 100 seeds/ha @ 9.7kph</i> | 84 Cell Disk |
| 50.8cm Rows | <i>Above 380 100 seeds/ha @ 9.7kph</i> | 168 Cell Disk |
| Twin Row 96.5cm | <i>Below 400 200 seeds/ha @ 9.7kph</i> <i>Above 400 200 seeds/ha @ 9.7kph</i> | 84 Cell Disk 168 Cell Disk |
| Twin Row 91.4cm | <i>Below 422 400 seeds/ha @ 9.7kph</i> <i>Above 422 400 seeds/ha @ 9.7kph</i> | 84 Cell Disk 168 Cell Disk |
| Twin Row 76.2cm | <i>Below 506 900 seeds/ha @ 9.7kph</i> | 84 Cell Disk |
| 38.1cm Rows | <i>Above 506 900 seeds/ha @ 9.7kph</i> | 168 Cell Disk |
| Twin Row 70cm | <i>Below 551 800 seeds/ha @ 8.9kph</i> | 84 Cell Disk |
| 35cm Rows | <i>Above 551 800 seeds/ha @ 8.9kph</i> | 168 Cell Disk |

32200B

METRIC
AIR-PRO® METER DISK SELECTION

SUNFLOWER
24 Cell Disk
817-851C SUNFLOWER OIL LARGE

This disk should plant all seed sizes of popcorn.

Seed Size Recommendations.

| | |
|-----------------------------|--------------------|
| Sunflower Oil Large | Seeds per Kilogram |
| 2's - most 3's | 18700 |
| And a few of the larger 4's | (or fewer) |

Volumetric No.1 84 Cell Disk
817-867C

Available for:

Wheat

Air Meter Blank Disk
817-841C

These disks are used in (Off Row Meters) when changing from 35cm to 70cm Rows. (etc)

32200C

Seed Spacing - Metric

| Plant Population (seeds/ha) | Row Spacings | | | | | | | | | | | |
|--------------------------------|----------------|--------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|----------------|--------------|----------------|----------------|----------------|-----------------|
| | 25.4cm Rows | Twin Row 70cm Rows | Twin Row 76.2cm Rows | Twin Row 91.4cm Rows | Twin Row 96.5cm Rows | Twin Row 101.6cm Rows | | | | | | |
| | 25.4cm Rows | 35cm Rows | 38.1cm Rows | | | 50.8cm Rows | 55.9cm Rows | 70cm Rows | 76.2cm Rows | 91.4cm Rows | 96.5cm Rows | 101.6cm Rows |
| 34 594 | 113.8 | 82.6 | 75.9 | 63.2 | 59.9 | 56.9 | 51.7 | 41.3 | 37.9 | 31.6 | 29.9 | 28.5 |
| 37 064 | 106.2 | 77.1 | 70.8 | 59.0 | 55.9 | 53.1 | 48.3 | 38.5 | 35.4 | 29.5 | 28.0 | 26.6 |
| 39 535 | 99.6 | 72.3 | 66.4 | 55.3 | 52.4 | 49.8 | 45.3 | 36.1 | 33.2 | 27.7 | 26.2 | 24.9 |
| 42 006 | 93.7 | 68.0 | 62.5 | 52.1 | 49.3 | 46.9 | 42.6 | 34.0 | 31.2 | 26.0 | 24.7 | 23.4 |
| 44 477 | 88.5 | 64.2 | 59.0 | 49.2 | 46.6 | 44.3 | 40.2 | 32.1 | 29.5 | 24.6 | 23.3 | 22.1 |
| 46 948 | 83.9 | 60.9 | 55.9 | 46.6 | 44.1 | 41.9 | 38.1 | 30.4 | 28.0 | 23.3 | 22.1 | 21.0 |
| 49 419 | 79.7 | 57.8 | 53.1 | 44.3 | 41.9 | 39.8 | 36.2 | 28.9 | 26.6 | 22.1 | 21.0 | 19.9 |
| 51 890 | 75.9 | 55.1 | 50.6 | 42.1 | 39.9 | 37.9 | 34.5 | 27.5 | 25.3 | 21.1 | 20.0 | 19.0 |
| 54 361 | 72.4 | 52.6 | 48.3 | 40.2 | 38.1 | 36.2 | 32.9 | 26.3 | 24.1 | 20.1 | 19.1 | 18.1 |
| 56 832 | 69.3 | 50.3 | 46.2 | 38.5 | 36.5 | 34.6 | 31.5 | 25.1 | 23.1 | 19.2 | 18.2 | 17.3 |
| 59 303 | 66.4 | 48.2 | 44.3 | 36.9 | 34.9 | 33.2 | 30.2 | 24.1 | 22.1 | 18.4 | 17.5 | 16.6 |
| 61 774 | 63.7 | 46.2 | 42.5 | 35.4 | 33.5 | 31.9 | 29.0 | 23.1 | 21.2 | 17.7 | 16.8 | 15.9 |
| 64 245 | 61.3 | 44.5 | 40.9 | 34.0 | 32.3 | 30.6 | 27.9 | 22.2 | 20.4 | 17.0 | 16.1 | 15.3 |
| 66 716 | 59.0 | 42.8 | 39.3 | 32.8 | 31.1 | 29.5 | 26.8 | 21.4 | 19.7 | 16.4 | 15.5 | 14.8 |
| 69 187 | 56.9 | 41.3 | 37.9 | 31.6 | 29.9 | 28.5 | 25.9 | 20.6 | 19.0 | 15.8 | 15.0 | 14.2 |
| 71 658 | 54.9 | 39.9 | 36.6 | 30.5 | 28.9 | 27.5 | 25.0 | 19.9 | 18.3 | 15.3 | 14.5 | 13.7 |
| 74 129 | 53.1 | 38.5 | 35.4 | 29.5 | 28.0 | 26.6 | 24.1 | 19.3 | 17.7 | 14.8 | 14.0 | 13.3 |
| 76 600 | 51.4 | 37.3 | 34.3 | 28.6 | 27.1 | 25.7 | 23.4 | 18.6 | 17.1 | 14.3 | 13.5 | 12.8 |
| 79 071 | 49.8 | 36.1 | 33.2 | 27.7 | 26.2 | 24.9 | 22.6 | 18.1 | 16.6 | 13.8 | 13.1 | 12.4 |
| 81 542 | 48.3 | 35.0 | 32.2 | 26.8 | 25.4 | 24.1 | 21.9 | 17.5 | 16.1 | 13.4 | 12.7 | 12.1 |
| 84 013 | 46.9 | 34.0 | 31.2 | 26.0 | 24.7 | 23.4 | 21.3 | 17.0 | 15.6 | 13.0 | 12.3 | 11.7 |
| 86 484 | 45.5 | 33.0 | 30.3 | 25.3 | 24.0 | 22.8 | 20.7 | 16.5 | 15.2 | 12.6 | 12.0 | 11.4 |
| 88 955 | 44.3 | 32.1 | 29.5 | 24.6 | 23.3 | 22.1 | 20.1 | 16.1 | 14.8 | 12.3 | 11.6 | 11.1 |
| 91 426 | 43.1 | 31.2 | 28.7 | 23.9 | 22.7 | 21.5 | 19.6 | 15.6 | 14.4 | 12.0 | 11.3 | 10.8 |
| 93 897 | 41.9 | 30.4 | 28.0 | 23.3 | 22.1 | 21.0 | 19.1 | 15.2 | 14.0 | 11.6 | 11.0 | 10.5 |
| 96 368 | 40.9 | 29.6 | 27.2 | 22.7 | 21.5 | 20.4 | 18.6 | 14.8 | 13.6 | 11.3 | 10.8 | 10.2 |
| 98 839 | 39.8 | 28.9 | 26.6 | 22.1 | 21.0 | 19.9 | 18.1 | 14.5 | 13.3 | 11.1 | 10.5 | 10.0 |
| 101 310 | 38.9 | 28.2 | 25.9 | 21.6 | 20.5 | 19.4 | 17.7 | 14.1 | 13.0 | 10.8 | 10.2 | 9.7 |
| 103 781 | 37.9 | 27.5 | 25.3 | 21.1 | 20.0 | 19.0 | 17.2 | 13.8 | 12.6 | 10.5 | 10.0 | 9.5 |
| 106 252 | 37.1 | 26.9 | 24.7 | 20.6 | 19.5 | 18.5 | 16.8 | 13.4 | 12.4 | 10.3 | 9.8 | 9.3 |
| 108 723 | 36.2 | 26.3 | 24.1 | 20.1 | 19.1 | 18.1 | 16.5 | 13.1 | 12.1 | 10.1 | 9.5 | 9.1 |
| 111 193 | 35.4 | 25.7 | 23.6 | 19.7 | 18.6 | 17.7 | 16.1 | 12.8 | 11.8 | 9.8 | 9.3 | 8.9 |
| 113 664 | 34.6 | 25.1 | 23.1 | 19.2 | 18.2 | 17.3 | 15.7 | 12.6 | 11.5 | 9.6 | 9.1 | 8.7 |
| 116 135 | 33.9 | 24.6 | 22.6 | 18.8 | 17.8 | 16.9 | 15.4 | 12.3 | 11.3 | 9.4 | 8.9 | 8.5 |
| 118 606 | 33.2 | 24.1 | 22.1 | 18.4 | 17.5 | 16.6 | 15.1 | 12.0 | 11.1 | 9.2 | 8.7 | 8.3 |
| 121 077 | 32.5 | 23.6 | 21.7 | 18.1 | 17.1 | 16.3 | 14.8 | 11.8 | 10.8 | 9.0 | 8.6 | 8.1 |
| 123 548 | 31.9 | 23.1 | 21.2 | 17.7 | 16.8 | 15.9 | 14.5 | 11.6 | 10.6 | 8.9 | 8.4 | 8.0 |

32321A

Seed Spacing - Metric (cont.)

| Plant Population (seeds/ha) | | Row Spacings | | | | | | | | | | | | |
|-----------------------------------|--|-------------------|--------------------|--------------------|--------------------|---------------------|----------------|----------------|--------------|----------------|----------------|----------------|-----------------|--|
| | | Twin Row 70cm | Twin Row 76.2cm | Twin Row 91.4cm | Twin Row 96.5cm | Twin Row 101.6cm | | | | | | | | |
| | | 25.4cm Rows | 35cm Rows | 38.1cm Rows | | | 50.8cm Rows | 55.9cm Rows | 70cm Rows | 76.2cm Rows | 91.4cm Rows | 96.5cm Rows | 101.6cm Rows | |
| | | Seed Spacing (cm) | | | | | | | | | | | | |
| 123 548 | | 31.9 | 23.1 | 21.2 | 17.7 | 16.8 | 15.9 | 14.5 | 11.6 | 10.6 | 8.9 | 8.4 | 8.0 | |
| 135 903 | | 29.0 | 21.0 | 19.3 | 16.1 | 15.2 | 14.5 | 13.2 | 10.5 | 9.7 | 8.0 | 7.6 | 7.2 | |
| 148 258 | | 26.6 | 19.3 | 17.7 | 14.8 | 14.0 | 13.3 | 12.1 | 9.6 | 8.9 | 7.4 | 7.0 | 6.6 | |
| 160 613 | | 24.5 | 17.8 | 16.3 | 13.6 | 12.9 | 12.3 | 11.1 | 8.9 | 8.2 | 6.8 | 6.5 | 6.1 | |
| 172 968 | | 22.8 | 16.5 | 15.2 | 12.6 | 12.0 | 11.4 | 10.3 | 8.3 | 7.6 | 6.3 | 6.0 | 5.7 | |
| 185 322 | | 21.2 | 15.4 | 14.2 | 11.8 | 11.2 | 10.6 | 9.7 | 7.7 | 7.1 | 5.9 | 5.6 | 5.3 | |
| 197 677 | | 19.9 | 14.5 | 13.3 | 11.1 | 10.5 | 10.0 | 9.1 | 7.2 | 6.6 | 5.5 | 5.2 | 5.0 | |
| 210 032 | | 18.7 | 13.6 | 12.5 | 10.4 | 9.9 | 9.4 | 8.5 | 6.8 | 6.2 | 5.2 | 4.9 | 4.7 | |
| 222 387 | | 17.7 | 12.8 | 11.8 | 9.8 | 9.3 | 8.9 | 8.0 | 6.4 | 5.9 | 4.9 | 4.7 | 4.4 | |
| 234 742 | | 16.8 | 12.2 | 11.2 | 9.3 | 8.8 | 8.4 | 7.6 | 6.1 | 5.6 | 4.7 | 4.4 | 4.2 | |
| 247 097 | | 15.9 | 11.6 | 10.6 | 8.9 | 8.4 | 8.0 | 7.2 | 5.8 | 5.3 | 4.4 | 4.2 | 4.0 | |
| 259 451 | | 15.2 | 11.0 | 10.1 | 8.4 | 8.0 | 7.6 | 6.9 | 5.5 | 5.1 | 4.2 | 4.0 | 3.8 | |
| 271 806 | | 14.5 | 10.5 | 9.7 | 8.0 | 7.6 | 7.2 | 6.6 | 5.3 | 4.8 | 4.0 | 3.8 | 3.6 | |
| 284 161 | | 13.9 | 10.1 | 9.2 | 7.7 | 7.3 | 6.9 | 6.3 | 5.0 | 4.6 | 3.8 | 3.6 | 3.5 | |
| 296 516 | | 13.3 | 9.6 | 8.9 | 7.4 | 7.0 | 6.6 | 6.0 | 4.8 | 4.4 | 3.7 | 3.5 | 3.3 | |
| 308 871 | | 12.7 | 9.2 | 8.5 | 7.1 | 6.7 | 6.4 | 5.8 | 4.6 | 4.2 | 3.5 | 3.4 | 3.2 | |
| 321 226 | | 12.3 | 8.9 | 8.2 | 6.8 | 6.5 | 6.1 | 5.6 | 4.4 | 4.1 | 3.4 | 3.2 | 3.1 | |
| 333 580 | | 11.8 | 8.6 | 7.9 | 6.6 | 6.2 | 5.9 | 5.4 | 4.3 | 3.9 | 3.3 | 3.1 | 3.0 | |
| 345 935 | | 11.4 | 8.3 | 7.6 | 6.3 | 6.0 | 5.7 | 5.2 | 4.1 | 3.8 | 3.2 | 3.0 | 2.8 | |
| 358 290 | | 11.0 | 8.0 | 7.3 | 6.1 | 5.8 | 5.5 | 5.0 | 4.0 | 3.7 | 3.1 | 2.9 | 2.7 | |
| 370 645 | | 10.6 | 7.7 | 7.1 | 5.9 | 5.6 | 5.3 | 4.8 | 3.9 | 3.5 | 3.0 | 2.8 | 2.7 | |
| 383 000 | | 10.3 | 7.5 | 6.9 | 5.7 | 5.4 | 5.1 | 4.7 | 3.7 | 3.4 | 2.9 | 2.7 | 2.6 | |
| 395 355 | | 10.0 | 7.2 | 6.6 | 5.5 | 5.2 | 5.0 | 4.5 | 3.6 | 3.3 | 2.8 | 2.6 | 2.5 | |
| 407 709 | | 9.7 | 7.0 | 6.4 | 5.4 | 5.1 | 4.8 | 4.4 | 3.5 | 3.2 | 2.7 | 2.5 | 2.4 | |
| 420 064 | | 9.4 | 6.8 | 6.2 | 5.2 | 4.9 | 4.7 | 4.3 | 3.4 | 3.1 | 2.6 | 2.5 | 2.3 | |
| 432 419 | | 9.1 | 6.6 | 6.1 | 5.1 | 4.8 | 4.6 | 4.1 | 3.3 | 3.0 | 2.5 | 2.4 | 2.3 | |
| 444 774 | | 8.9 | 6.4 | 5.9 | 4.9 | 4.7 | 4.4 | 4.0 | 3.2 | 3.0 | 2.5 | 2.3 | 2.2 | |
| 457 129 | | 8.6 | 6.2 | 5.7 | 4.8 | 4.5 | 4.3 | 3.9 | 3.1 | 2.9 | 2.4 | 2.3 | 2.2 | |
| 469 484 | | 8.4 | 6.1 | 5.6 | 4.7 | 4.4 | 4.2 | 3.8 | 3.0 | 2.8 | 2.3 | 2.2 | 2.1 | |
| 481 838 | | 8.2 | 5.9 | 5.4 | 4.5 | 4.3 | 4.1 | 3.7 | 3.0 | 2.7 | 2.3 | 2.2 | 2.0 | |
| 494 193 | | 8.0 | 5.8 | 5.3 | 4.4 | 4.2 | 4.0 | 3.6 | 2.9 | 2.7 | 2.2 | 2.1 | 2.0 | |
| 555 967 | | 7.1 | 5.1 | 4.7 | 3.9 | 3.7 | 3.5 | 3.2 | 2.6 | 2.4 | 2.0 | 1.9 | 1.8 | |
| 617 742 | | 6.4 | 4.6 | 4.2 | 3.5 | 3.4 | 3.2 | 2.9 | 2.3 | 2.1 | 1.8 | 1.7 | 1.6 | |
| 679 516 | | 5.8 | 4.2 | 3.9 | 3.2 | 3.0 | 2.9 | 2.6 | 2.1 | 1.9 | 1.6 | 1.5 | 1.4 | |
| 741 290 | | 5.3 | 3.9 | 3.5 | 3.0 | 2.8 | 2.7 | 2.4 | 1.9 | 1.8 | 1.5 | 1.4 | 1.3 | |

32321B

Meter Pressurization - Metric

Note: These are suggested initial (starting) pressures.
Use the seed monitor console to adjust them up or down per the procedure in the Meter Stand Operator Manuals.

Corn: Reading a Pressure Chart (below, next page)

1. Pick the chart based on seed shape (flat, round).
Example: large round corn
2. Pick a line based on seed size (large, small).
Example: the right line below
3. Find the seed density on the bottom scale.
Example: 2800 seeds/kg
4. Read the suggested starting pressure on the left scale, where the line (example shown as dotted gray) intersects the density.
Example: 3.4 inches of water

Initial seed inlet Shutter for corn is: 3

Initial Meter Pressurization: Cotton

1.5 inches of water (any seed density)

Initial seed inlet Shutter: 2

Initial Meter Pressurization: Milo

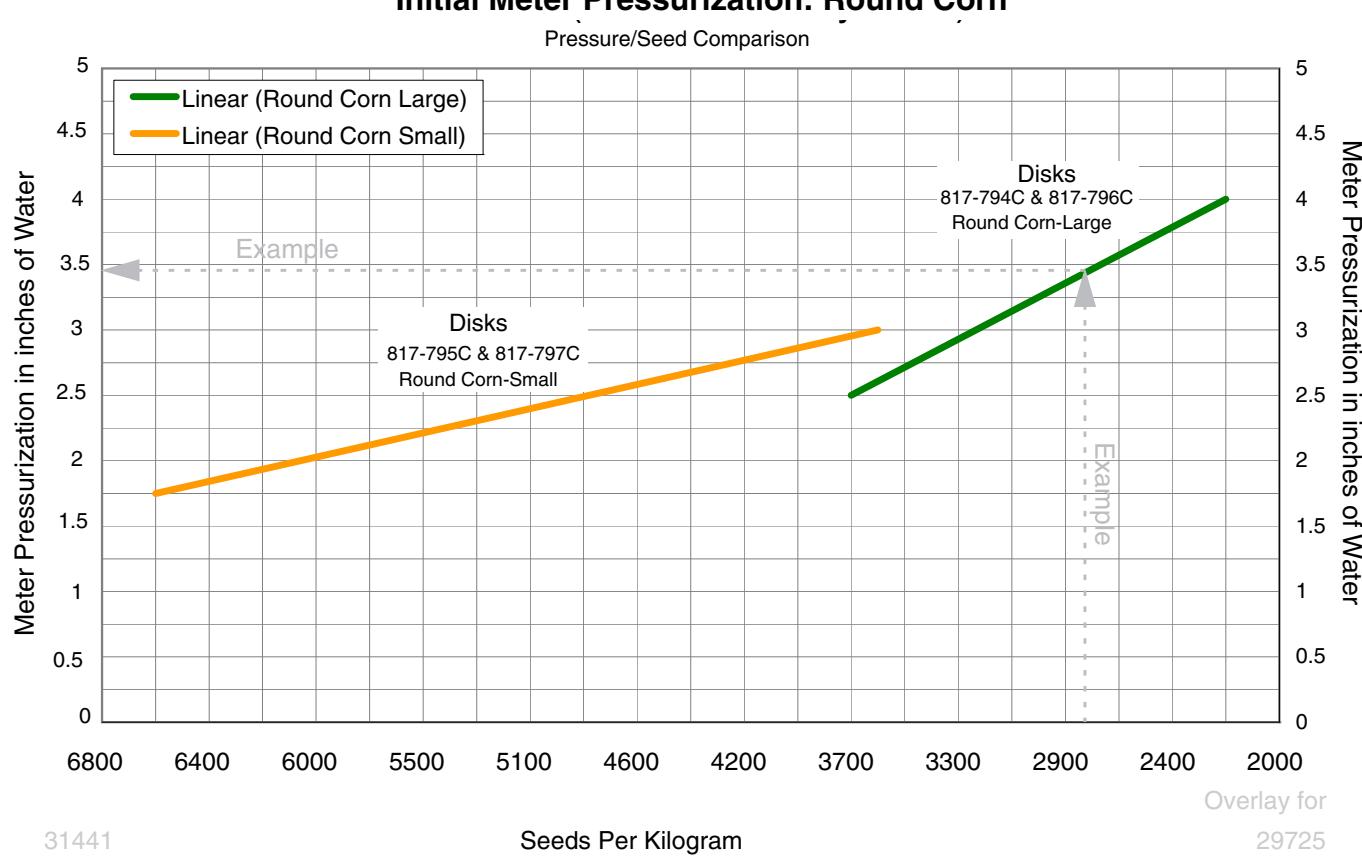
1.5 inches of water (all disk, any seed density)
Initial seed inlet Shutter: 1

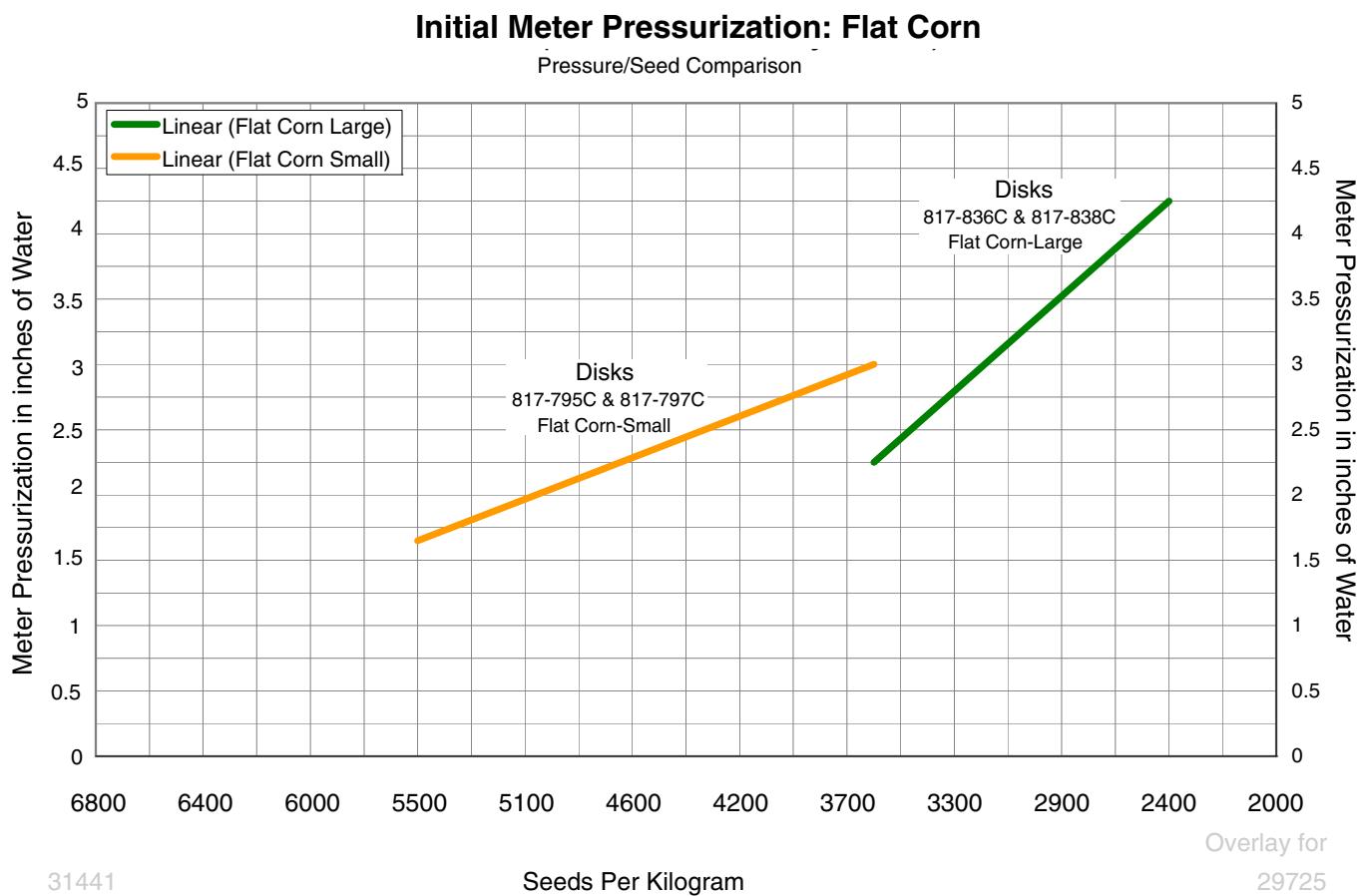
Initial Meter Pressurization: Soybeans

2.0 inches of water (84 cell disk, any seed density)
3.0 inches of water (168 cell disk, any seed density)
Initial seed inlet Shutter: 2

Initial Meter Pressurization: Sunflower

Disk: 817-851C SUNFLOWER OIL LARGE
18700 seeds/kg (or fewer)
18700 - 15400 s/kg 1.25 inches of water
15400 - 12100 s/kg 1.75 inches of water
12100 s/kg and fewer 2.25 inches of water
Adjust pressure as needed for desired population.
Initial seed inlet Shutter:2





APPENDIX

New Parts

The part call-out numbers in this list match all Figures in these installation instructions. Part descriptions match those in your updated Parts Manual.

Quantities are units ("ea").

Kit Content

403-531A Air-Pro® Test Stand Meter Mount Kit

| Callout | Quantity | Part Number | Part Description |
|---------|----------|-------------|-----------------------------|
| 11 | 1 | 403-533M | MANUAL METER TEST STAND |
| 12 | 1 | 403-271K | AIR METER ASSY, 25 SER |
| 13 | 1 | 403-301S | SEED TUBE AM TB,CLIP & SENS |
| 14 | 1 | 403-528H | TEST STAND PIN DRIVER F/ 19 |
| 15 | 1 | 403-530H | RH METER MAX MOUNT FOR AIR |
| 16 | 1 | 403-532K | METER MOUNT & CLAMP ASY |
| 17 | 1 | 803-374C | NUT HEX JAM 7/16-20 PLT |
| 18 | 1 | 817-613C | SEED DISCHARGE HOSE 42 |
| 19 | 1 | 817-868C | TEST STAND FUNNEL |
| 20 | 1 | 830-414C | CP KENT CAT4 M QD X 1/4 HB |
| 21 | 1 | 830-415C | CP KENT CAT4 F QD X CAP |
| 22 | 1 | 891-122C | AD 7/16MORB X 1/4HB BRASS |
| 23 | 3 | 990-021R | HOSE 1/4 RUBBER AIR |

Abbreviations

| | |
|------|-----------|
| ASSY | Assembly |
| CAT | Category |
| CP | Coupler |
| HB | Hose Barb |
| LH | Left Hand |

| | |
|------|------------------|
| MORB | Male O-Ring Boss |
| PLT | Plated |
| QD | Quick Disconnect |
| RH | Right Hand |
| TB | Tube |

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