



Air-Pro® Meter Ultra Test Stand Kit - Second Generation 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® Ultra Test Stand.

These instructions apply to an installation of:

Kit	Kit Description
403-940A	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

TP-71226

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.
- ⑪ to ⑳ Two-digit callouts in the range 11 to 23 reference new parts from the list on page 16.

^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

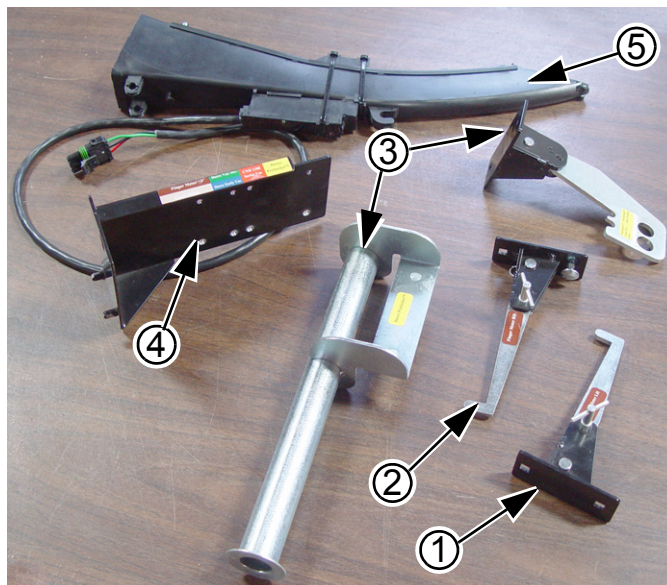


Figure 2
Attachments To Be Removed

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Mount Brackets and Drive Hub

Refer to Figure 3

2. Select one each of the following:

- ⑭ drive hub
- ⑮ RH bracket
- ⑯ LH bracket (meter mount and clamp asy).

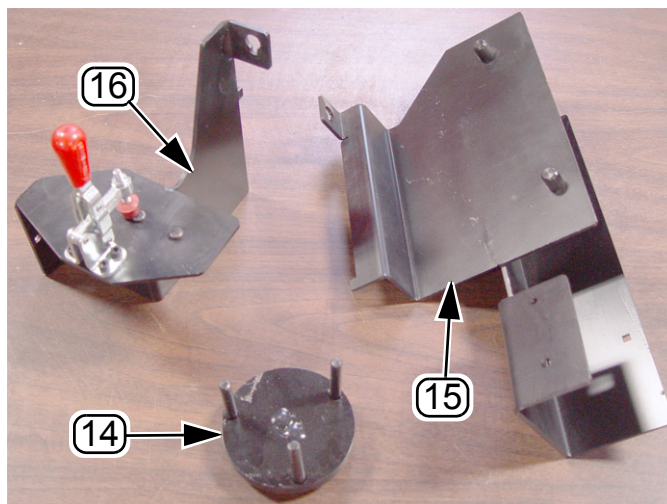


Figure 3
Air-Pro® Mounting Brkts & Drive Hub

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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).

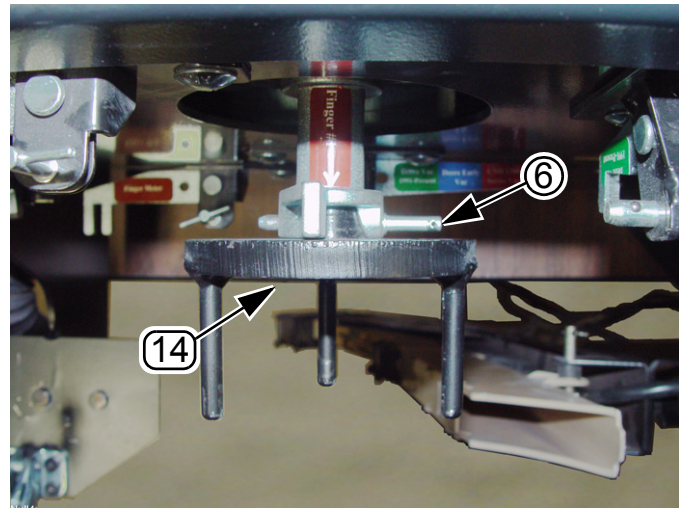


Figure 4
Drive Hub and Long Pin

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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).

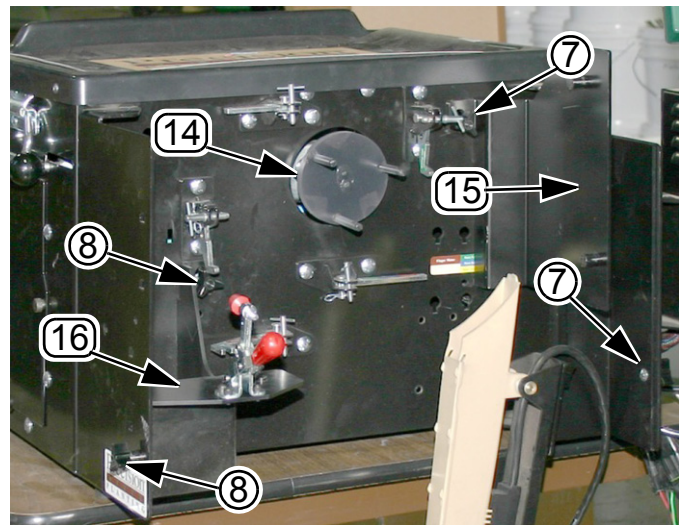


Figure 5
Test Stand Showing Brackets & Drive

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).

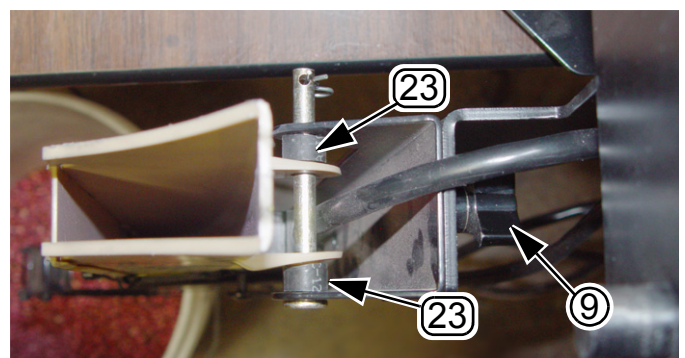


Figure 6
Seed Tube Centered in Bracket

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.

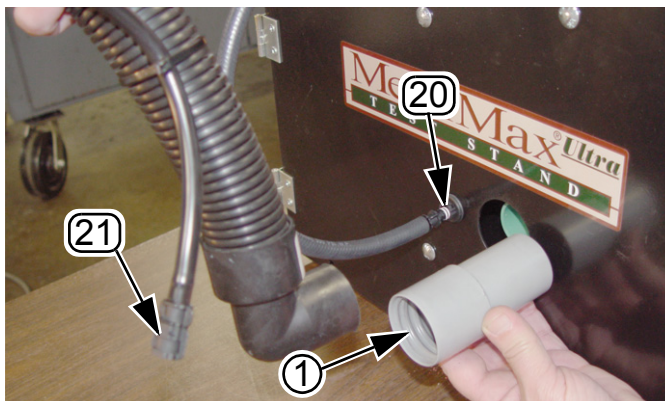


Figure 7
Hose Extension and Sensing Hose

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11. Secure the 1/4 in barb quick connect ②② to one end of supplied pressure sensing hose ②③ and plug in back of Ultra Test Stand.

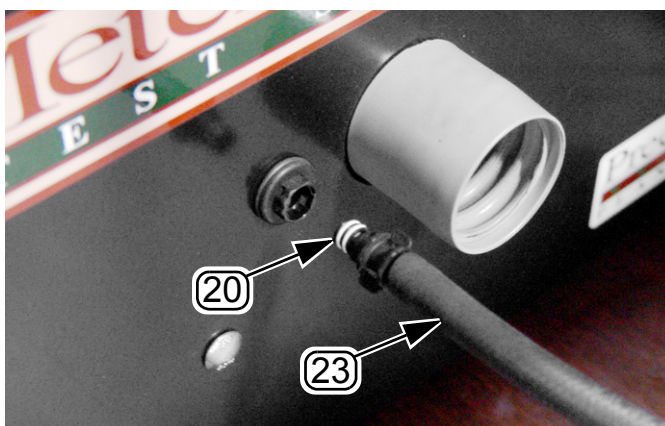


Figure 8
Quick Connect

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Figure 9
Hoses Connected Back of Stand

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Mount Air-Pro® Meter

Refer to Figure 10

12. Remove the metal knockout plug from the meter housing ③.

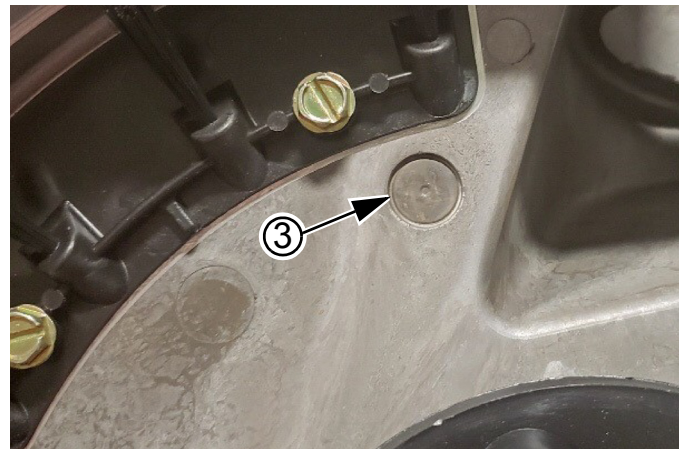


Figure 10
Meter Housing Plastic Plug

TP-71231

Refer to Figure 11 and Figure 12

13. After you remove the metal knockout plug from the meter housing install the $\frac{1}{4}$ in pressure port ② and nut ①7 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.

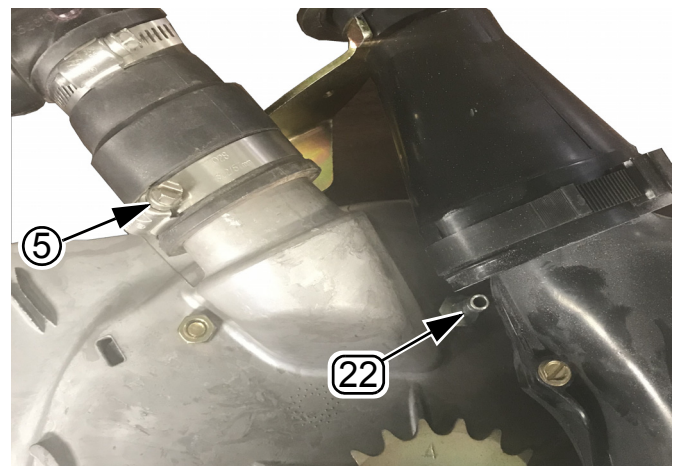


Figure 11
Adaptor for Blower Hose

TP-71233

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.

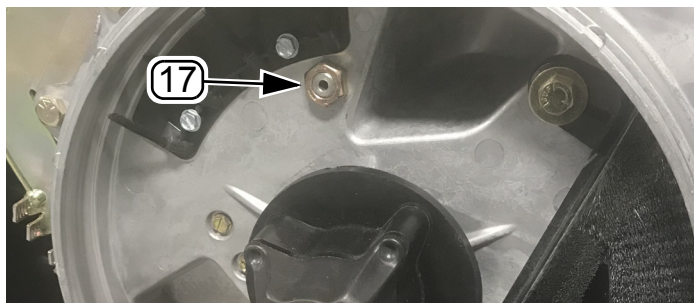


Figure 12
Mount Air-Pro® on Test Stand

TP-71234

Refer to Figure 13

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

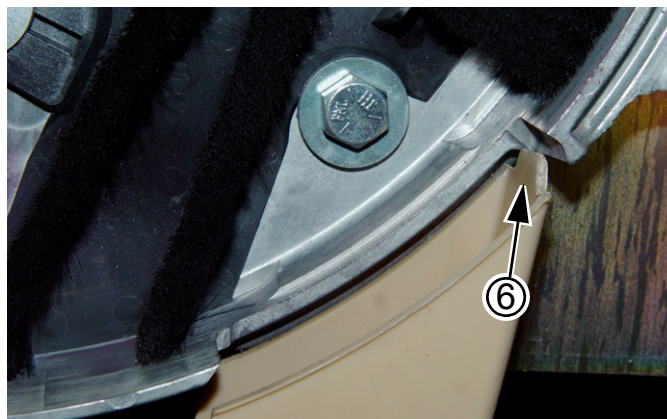


Figure 13
Top of Seed Tube

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Refer to Figure 14

18. Cut seed hose ⑱ 1 1/2 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.**

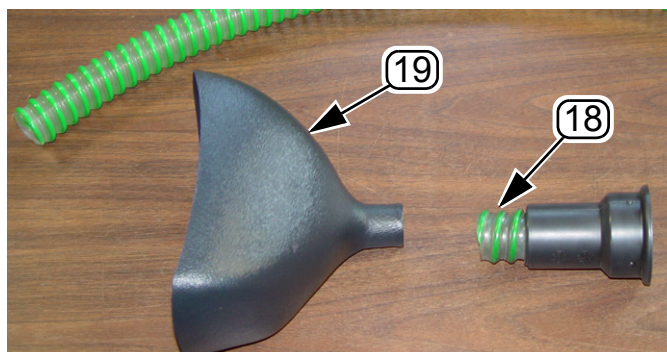


Figure 14
Funnel and Seed Hose

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."

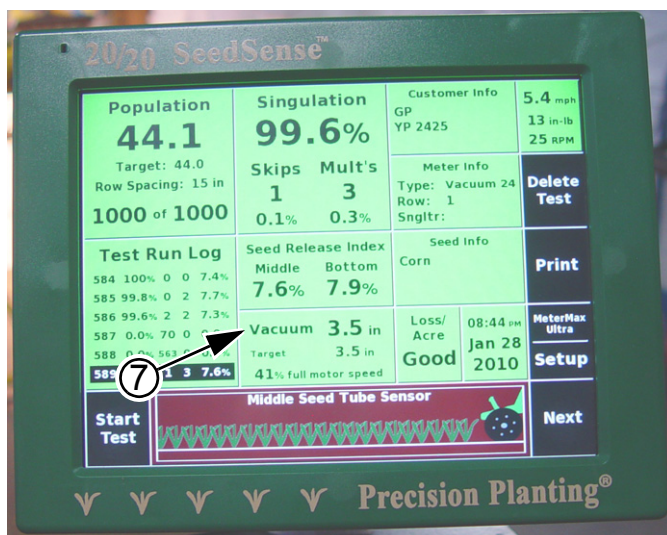


Figure 15
Seed Sense Display Monitor

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: 3

Initial Meter Pressurization: Milo

1.5 inches of water (all disk, any seed density)
Initial seed inlet Shutter: 3

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: 3

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: 4

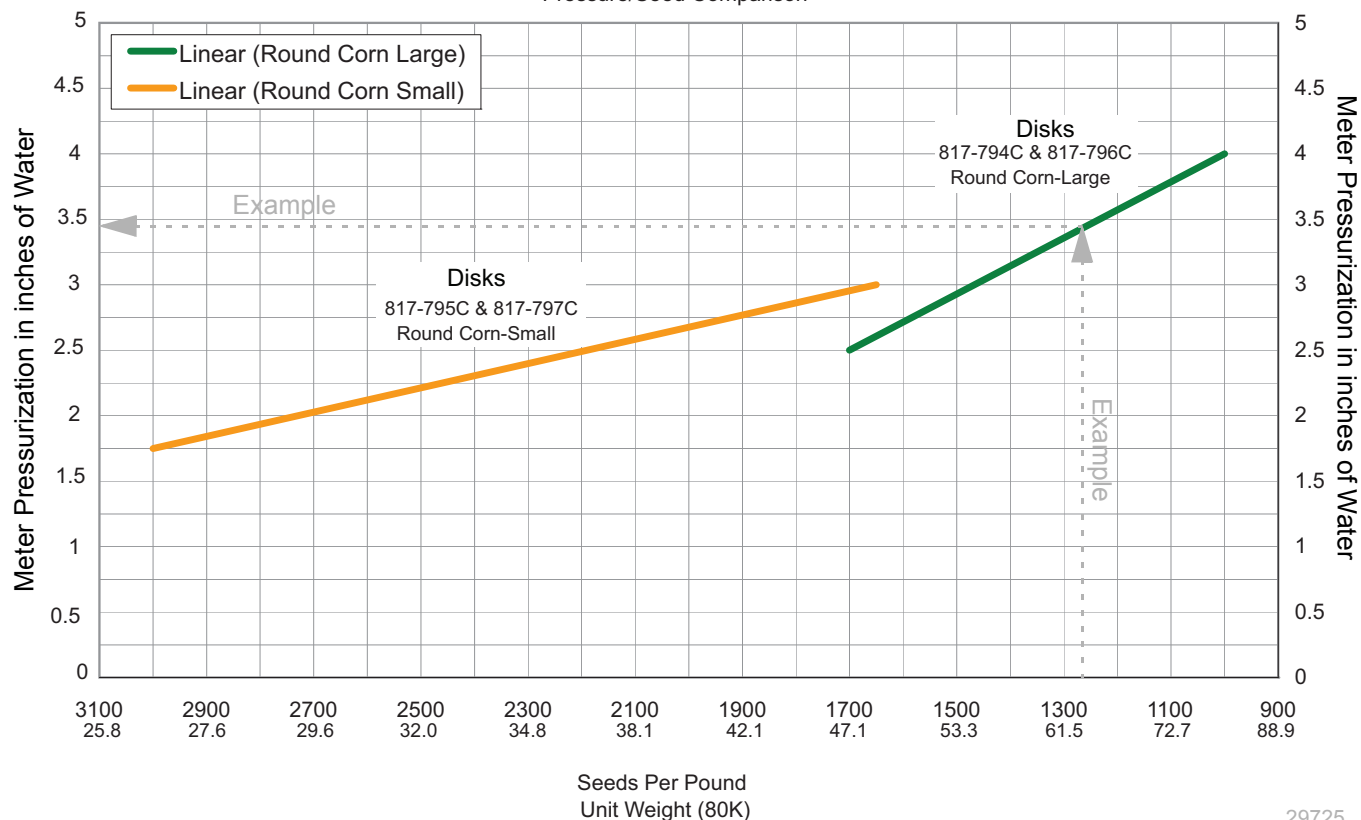
Reading a Corn Pressure Chart

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: 5

Initial Meter Pressurization: Round Corn

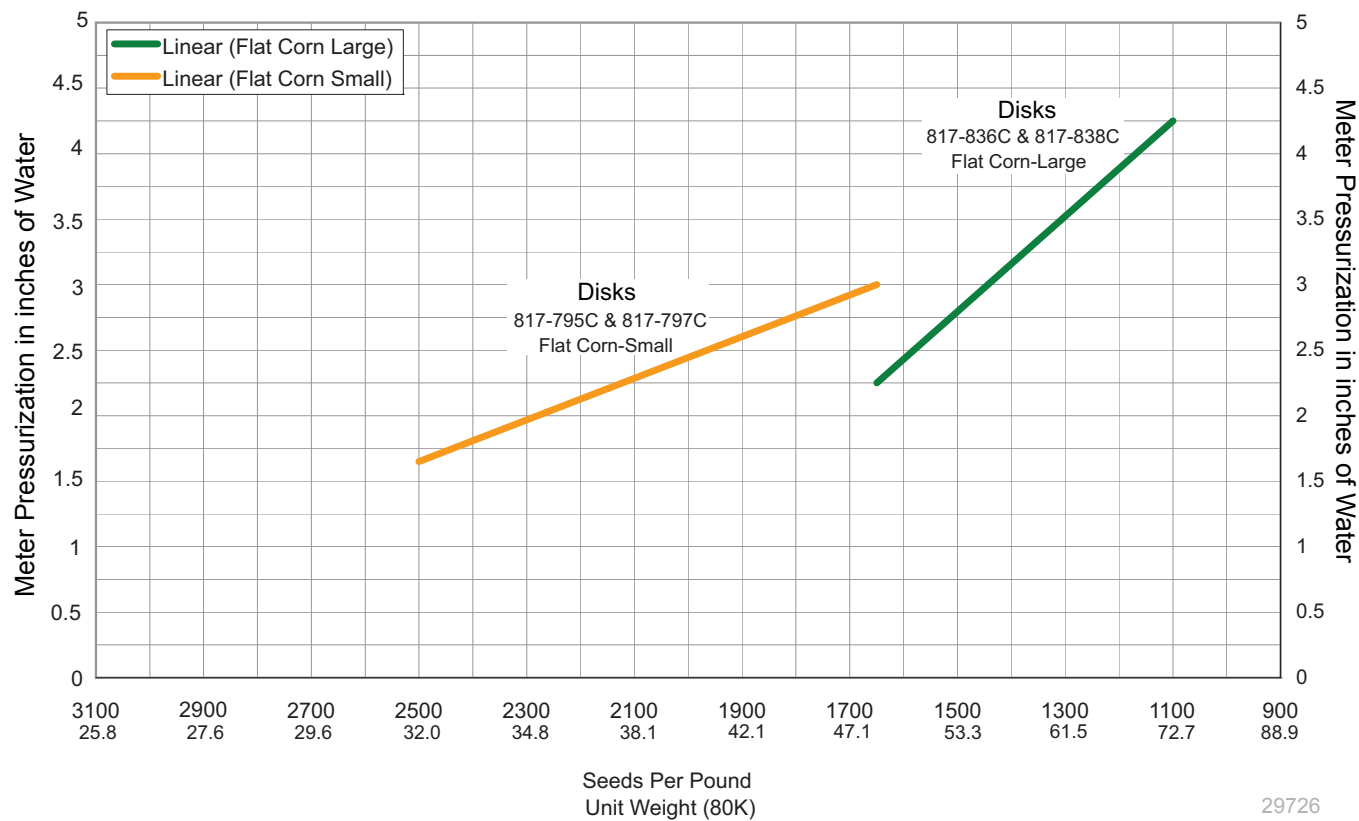
Pressure/Seed Comparison



29725

Initial Meter Pressurization: Flat Corn

Pressure/Seed Comparison



29726

Air-Pro® Meter Disk Selection

CORN

24 Cell Disk

817 - 794C Corn Round Large
837 - 126C Corn Round Med
817 - 795C Corn Round Small
817 - 836C Corn Flat Large

CORN

40 Cell Disk

817 - 796C Corn Round Large
837 - 127C Corn Round Med
817 - 797C Corn Round Small
817 - 838C Corn Flat Large

(Sweet Corn plants in Round Corn disks)

Seed Size Recommendations	Seeds/lb	Unit Weight	Seeds/kg
Corn Round Large	1300 (or fewer)	61.5 lb (or heavier)	2865 (or fewer)
Corn Round Med	1300 to 2000	61.5 to 40 pounds	2865 to 4410
Corn Round Small	2000 (or more)	40 pounds (or lighter)	4410 (or more)
Corn Flat Large	1650 (or fewer)	48.5 pounds (or heavier)	3640 (or fewer)
Corn Flat Small	1650 (or more)	48.5 pounds (or lighter)	3640 (or more)
ATTENTION: This Corn is planted with the Corn Round Small Disks!!!!!!			

	Seeds/acre @ 5.5 mph	Seeds/ha @ 8.9 kph	Recommended
40 in (101.6 cm) Rows	Below 19 400 Above 19 400	Below 52 500 Above 52 500	24 Cell Disk 40 Cell Disk
38 in (96.5 cm) Rows	Below 20 500 Above 20 500	Below 50 600 Above 50 600	24 Cell Disk 40 Cell Disk
36 in (91.4 cm) Rows	Below 21 600 Above 21 600	Below 53 400 Above 53 400	24 Cell Disk 40 Cell Disk
30 in (76.2 cm) Rows 75 cm Rows	Below 25 900 Above 25 900	Below 64 000 Above 64 000	24 Cell Disk 40 Cell Disk
70 cm Rows	Below 28 200 Above 28 200	Below 69 700 Above 69 700	24 Cell Disk 40 Cell Disk
22 in (55.9 cm) Rows	Below 35 300 Above 35 300	Below 87 300 Above 87 300	24 Cell Disk 40 Cell Disk
Twin Row 40 in (101.6 cm) 20 in (50.8cm) Rows	Below 38 900 Above 38 900	Below 96 100 Above 96 100	24 Cell Disk 40 Cell Disk
Twin Row 38 in (96.5 cm)	Below 40 900 Above 40 900	Below 101 000 Above 101 000	24 Cell Disk 40 Cell Disk
Twin Row 36 in (91.4cm)	Below 43 200 Above 43 200	Below 106 700 Above 106 700	24 Cell Disk 40 Cell Disk
Twin Row 30 in (76.2 cm) 15 in (38.1 cm Rows)	Below 51 800 Above 51 800	Below 129 000 Above 129 000	24 Cell Disk 40 Cell Disk
Twin Row 70 cm	Below 56 400 Above 56 400	Below 139 400 Above 139 400	24 Cell Disk 40 Cell Disk
Twin Row 20 in (50.8 cm) 10 in (25.4 cm) Rows	Below 77 700 Above 77 700	Below 192 100 Above 192 100	24 Cell Disk 40 Cell Disk

Medium Edible Bean

60 Cell Disk

837 - 065C

Seed Size Recommendations

1000 seeds per pound or more (a smaller bean)	2200 seeds per kg or more (a smaller bean)
This disk should plant medium peanuts.	
ATTENTION: This disk is for Hopper Style Planters only. Do not use with an Air Delivery type planter.	

68251A

Large Edible Bean

56 Cell Disk

817 - 967C

Seed Size Recommendations1000 seeds per pound or fewer
(a larger bean)2200 seeds per kg or fewer
(a larger bean)

This disk should plant medium peanuts.

ATTENTION: This disk is for Hopper Style Planters only. Do not use with an Air Delivery type planter.**CANOLA**

150 Cell Disk

837 - 148C

250 Cell Disk

817 - 991C

Seed Size Recommendations

This disk should plant all seed sizes and row spacings for Canola & Mustard

Population @ 6 mph	Population @ 9.7 kph	Recommended
<i>Below 125 000</i>	<i>Below 200 000</i>	<i>150 Cell Disk</i>
<i>Above 125 000</i>	<i>Above 200 000</i>	<i>250 Cell Disk</i>

COTTON

60 Cell Disk

817 - 857C

Seed Size Recommendations

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

MILO / PELLETIZED SUGAR BEET

30 Cell Disk

837 - 057C

65 Cell Disk

817 - 849C

130 Cell Disk

817 - 800C

Seed Size Recommendations

These disks should plant all seed sizes of Milo, Pelletized Sugar Beets, Tillage Radish & Hemp

	Seeds/acre @ 6 mph	Seeds/ha @ 9.7 kph	Recommended
40 in (101.6 cm) Rows	<i>Below 48 300</i>	<i>Below 119 300</i>	30 Cell Disk
	<i>Above 48 300</i>	<i>Above 119 300</i>	65 Cell Disk
38 in (96.5 cm) Rows	<i>Below 50 800</i>	<i>Below 125 500</i>	30 Cell Disk
	<i>Above 50 800</i>	<i>Above 125 500</i>	65 Cell Disk
36 in (91.4 cm) Rows	<i>Below 53 600</i>	<i>Below 132 500</i>	30 Cell Disk
	<i>Above 53 600</i>	<i>Above 132 500</i>	65 Cell Disk
30 in (76.2 cm) Rows	<i>Below 64 300</i>	<i>Below 159 000</i>	30 Cell Disk
	<i>Above 64 300</i>	<i>Above 159 000</i>	65 Cell Disk
75 cm Rows	<i>Below 70 100</i>	<i>Below 173 100</i>	30 Cell Disk
	<i>Above 70 100</i>	<i>Above 173 100</i>	65 Cell Disk
70 cm Rows	<i>Below 70 100</i>	<i>Below 173 100</i>	30 Cell Disk
	<i>Above 70 100</i>	<i>Above 173 100</i>	65 Cell Disk
22 in (55.9 cm) Rows	<i>Below 87 700</i>	<i>Below 216 800</i>	30 Cell Disk
	<i>Above 87 700</i>	<i>Above 216 800</i>	65 Cell Disk
Twin Row 40 in (101.6 cm)	<i>Below 96 500</i>	<i>Below 238 500</i>	30 Cell Disk
	<i>Above 96 500</i>	<i>Above 238 500</i>	65 Cell Disk
20 in (50.8 cm) Rows	<i>Below 96 500</i>	<i>Above 238 500</i>	65 Cell Disk
	<i>Above 96 500</i>	<i>Above 238 500</i>	65 Cell Disk
Twin Row 30 in (76.2 cm)	<i>Below 24 000</i>	<i>Below 58 000</i>	30 Cell Disk
	<i>Below 128 700</i>	<i>Below 318 000</i>	65 Cell Disk
15 in (38.1 cm) Rows	<i>Above 128 700</i>	<i>Above 318 000</i>	130 Cell Disk
	<i>Above 128 700</i>	<i>Above 318 000</i>	130 Cell Disk
Twin Row 70 cm	<i>Below 25 100</i>	<i>Below 62 000</i>	30 Cell Disk
	<i>Below 140 100</i>	<i>Below 346 200</i>	65 Cell Disk
35 cm Rows	<i>Above 140 100</i>	<i>Above 346 200</i>	130 Cell Disk
	<i>Above 140 100</i>	<i>Above 346 200</i>	130 Cell Disk
Twin Row 20 in (50.8 cm)	<i>Below 34 000</i>	<i>Below 84 000</i>	30 Cell Disk
	<i>Below 193 000</i>	<i>Below 477 000</i>	65 Cell Disk
10 in (25.4 cm) Rows	<i>Above 193 000</i>	<i>Above 477 000</i>	130 Cell Disk
	<i>Above 193 000</i>	<i>Above 477 000</i>	130 Cell Disk

68251B

SOYBEAN**84 Cell Disk**

817 - 798C

(Small Edible Beans)**Seed Size Recommendations****168 Cell Disk**

403 - 551D

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.**

	<i>Seeds/acre @ 6 mph</i>	<i>Seeds/ha @ 9.7 kph</i>	<i>Recommended</i>
40 in (101.6 cm) Rows	<i>Below 76 900</i> <i>Above 76 900</i>	<i>Below 190 100</i> <i>Above 190 100</i>	84 Cell Disk 168 Cell Disk
38 in (96.5 cm) Rows	<i>Below 81 000</i> <i>Above 81 000</i>	<i>Below 200 100</i> <i>Above 200 100</i>	84 Cell Disk 168 Cell Disk
36 in (91.4 cm) Rows	<i>Below 85 500</i> <i>Above 85 500</i>	<i>Below 211 200</i> <i>Above 211 200</i>	84 Cell Disk 168 Cell Disk
30 in (76.2 cm) Rows	<i>Below 102 500</i> <i>Above 102 500</i>	<i>Below 253 400</i> <i>Above 253 400</i>	84 Cell Disk 168 Cell Disk
75 cm Rows	<i>Below 111 600</i> <i>Above 111 600</i>	<i>Below 275 900</i> <i>Above 275 900</i>	84 Cell Disk 168 Cell Disk
70 cm Rows	<i>Below 139 800</i> <i>Above 139 800</i>	<i>Below 345 600</i> <i>Above 345 600</i>	84 Cell Disk 168 Cell Disk
22 in (55.9 cm) Rows	<i>Below 153 800</i> <i>Above 153 800</i>	<i>Below 380 100</i> <i>Above 380 100</i>	84 Cell Disk 168 Cell Disk
Twin Row 40 in (101.6 cm)	<i>Below 161 900</i> <i>Above 161 900</i>	<i>Below 400 200</i> <i>Above 400 200</i>	84 Cell Disk 168 Cell Disk
20 in (50.8 cm) Rows	<i>Below 170 900</i> <i>Above 170 900</i>	<i>Below 422 400</i> <i>Above 422 400</i>	84 Cell Disk 168 Cell Disk
Twin Row 38 in (96.5 cm)	<i>Below 205 100</i> <i>Above 205 100</i>	<i>Below 506 900</i> <i>Above 506 900</i>	84 Cell Disk 168 Cell Disk
Twin Row 36 in (91.4 cm)	<i>Below 223 300</i> <i>Above 223 300</i>	<i>Below 551 800</i> <i>Above 551 800</i>	84 Cell Disk 168 Cell Disk
Twin Row 30 in (76.2 cm)	<i>Below 307 700</i> <i>Above 307 700</i>	<i>Below 760 300</i> <i>Above 760 300</i>	84 Cell Disk 168 Cell Disk
15in (38.1 cm) Rows			
Twin Row 70 cm			
35 cm Rows			
Twin Row 20 in (50.8 cm)			
10 in (25.4 cm) Rows			

SUNFLOWER OIL SMALL / MEDIUM**60 CELL DISK**

837-234C SMALL

60 CELL DISK

837-235C MEDIUM

Sunflower Oil Small	6 500 - 8 500 Seeds per Pound	14 300 - 18 700 Seeds per Kilogram
ATTENTION: This disk is for Hopper Style Planters only. Do not use with an Air Delivery type planter.		

Sunflower Oil Medium	4 500 - 6 500 Seeds per Pound	9 900 - 14 300 Seeds per Kilogram
ATTENTION: This disk is for Hopper Style Planters only. Do not use with an Air Delivery type planter.		

SUNFLOWER OIL LARGE / POPCORN**24 Cell Disk**

817 - 851C

Seed Size Recommendations

Sunflower Oil Large	Seeds/lb	Seeds/kg	Popcorn
2's - most 3's	4 500 (or fewer)	9 900 (or fewer)	This disk should plant all seed sizes of Popcorn.
And a few of the larger 4's			

VIRGINIA PEANUTS**48 CELL DISK**

403-959D

This disk should plant all seed sizes and row spacings for Virginia Peanuts.
ATTENTION: This disk is for Hopper Style Planters only. Do not use with an Air Delivery type planter.

GEORGIA PEANUTS**46 CELL DISK**

837-137C

This disk should plant all seed sizes and row spacings for Georgia Peanuts.
ATTENTION: This disk is for Hopper Style Planters only. Do not use with an Air Delivery type planter.

Air Meter Blank Disk

817 - 841C

These disks are used in (Off Row Meters) when changing from 15 in to 30 in Rows.
Twin Row 30 in to 30 in Rows, (etc)
These disks are used in (Off Row Meters) when changing from 35 cm to 70 cm Rows, (etc)

Industrial Hemp

5 Cell Disk

837-364C

Seed Size Recommendations

This disk should plant all seed sizes and wide row spacings for Industrial Hemp.

Seed Spacing

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

Plant Population (seeds/acre)	Row Spacings									
	Twin Row					Single Row				
	20 in. 10 in. Rows	30 in. 15 in. Rows	36 in.	38 in.	40 in. 20 in. Rows	22 in. Rows	30 in. Rows	36 in. Rows	38 in. Rows	40 in. 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					Single Row				
	20 in. 10 in. Rows	30 in. 15 in. Rows	36 in.	38 in.	40 in. 20 in. Rows	22 in. Rows	30 in. Rows	36 in. Rows	38 in. Rows	40 in. 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.

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.



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

403-940A Air-Pro® Test Stand Meter Mount Kit

Callout	Quantity	Part Number	Part Description
11	1	403-942M	MANUAL METER TEST STAND
12	1	403-850K	AIR METER G2 BULK MECH
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	891-328C	EL 45 7/16MORB X 1/4HB
23	3	990-021R	HOSE 1/4 RUBBER AIR

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