



GUIDE TO ACCURATE SOYBEAN PLANTING

SMALL TO NORMAL SEED SIZE		LARGE SEED SIZE	
2500 seeds per pound or greater; 56 lbs. or less per 140k unit		2500 seeds per pound or less (1800 to 2500) 56 lbs. per 140k unit or more	
John Deere Non-Vac (Finger Pickup Type Corn Planters) *1 *4 *5	Using Kinze Brush Meters – (2200 seeds/lb or more) Black Brush Type 60 Cell Seed Metering Plate Using Radial Metering Bean Plate – (3700 - 4500 seeds/lb) setting “A”, (2800 - 3700 seeds/lb) setting “B”	Using Kinze Brush Meters – (2200 seeds/lb or less) Blue Brush Type 48 Cell Seed Metering Plate Using Radial Metering Bean Plate – (2000 - 2800) seeds/lb) setting “C”	
Kinze Non-Vac *2 *1 *5	(2200 seeds/lb or more) Black Brush Type 60 Cell Seed Metering Plate	(2200 seeds/lb or less) Blue Brush Type 48 Cell Seed Metering Plate	
John Deere Vac Planters *3 *1 *5	Only one disc option – Vacuum setting at 8	Only one disc option – Vacuum setting at 9 (test and adjust accordingly) If feeding problems persist – remove the elbow from the hose feeding the hopper	
John Deere ExactEmerge™ Meter *1 *8 Vacuum Level (in oz. water)	(3300-3100 seeds/lb) 8-10 (2900-2700 seeds/lb) 14-16	(3100-2900 seeds/lb) 10-14 (2700-2500 seeds/lb) 16-18	(2500-2300 seeds/lb) 18-19 (2300-2100 seeds/lb) 19-21
Kinze Vac Planters *2 *1 *5	Use 60 cell plate – Singular setting at 5 – Vacuum setting at 10	Use 60 cell plate – Singular setting of 5 – Start vacuum setting at 10 (Test and adjust accordingly)	
Case IH Vac Planters *6 *1 *5	(2600-3500 seeds/lb) 193017A1 disc – Singulator setting at 8 – Vacuum at 15-17” (3500-4500 seeds/lb) 87420630 disc or comparable – Singulator setting at 8 – Vacuum at 15-17” (2500-3500 seeds/lb) 87698875 disc or comparable – Singulator setting at 8 – Vacuum at 15-17”	(2000-3500 seeds/lb) 87698875 disc or comparable – Singulator setting at 8 – Vacuum at 15-17”	
White Vac Planters *7 *1 *5	(3000-4500 seeds/lb) Use 7000722513 (120 cell) disc – Air pressure at 1-3” (2000-3500 seeds/lb) Use 852432 (120 cell) disc of 30” rows – Air pressure at 2-2.5” (2000-3500 seeds/lb) Use 852433 (60 cell) disc of 15” rows – Air pressure at 2-2.5”	(2000-3500 seeds/lb) Use 852432 (120 cell) disc for 30” rows – Air pressure at 2-2.5” (2000-3500 seeds/lb) Use 852433 (60 cell) disc for 15” rows – Air pressure at 2-2.5” (Test and adjust accordingly)	

- *1 Consult the operator’s manual for additional talc/graphite recommendations
- *2 One TBSP of graphite per hopper for a standard 2 bu hopper and 1-1.5 lbs of graphite per 50 unit container
- *3 For central fill planters, use a 1/2 rate of talc for untreated beans and a full rate (corn rate) of talc with treated beans
- *4 Add 3/8 TBSP of graphite per hopper
- *5 Adjust speed as directed in the operator’s manual

- *6 Consult the operator’s manual for seed disc RPM recommendations
 - *7 Do not exceed 35 RPM on seed disc
 - *8 Some seed sizes, shapes, and planting speed and seeding rate require vacuum levels be adjusted slightly
- Always check the operator’s manual.**
Always use talc, graphite, etc. according to the label for lubricant to avoid bridging in the planter box.