



vSet 2 Crop Setup Guide

Crop Setup Guide Instructions and notes

General notes:

1. eFlow Lubricant is recommended to use on all seeds at 1/8 - 1/4 cup per bag of seed depending on seed size. Do not over apply.
2. Color on Table corresponds to actual color of parts
3. **Bold** text indicates that part is included in the crop kit.

WaveVision Notes

1. For correct WaveVision operation, the smallest diameter of **any seed** in **any direction** must be **.150"** or greater.
2. WaveVision compatible crops are **Corn, Soybeans, Cotton, SugarBeets, and Edible Beans**. **In all cases the seed must meet the .150" diameter requirement**

Small Seed Notes:

1. Central fill planters will need D tube screens with **SugarBeets, Milo, and Canola crops**.
2. If you experience very small seeds leaking out of the bottom of the meter, consider adding 1-2 small (.010" thick) disk shims. Adding shims may increase vDrive current draw and reduce stability, so only add as necessary. These shims should be removed when converting to other crops. Factory shimming on vSet 2 is recommended in most circumstances for least current draw, best stability, and best spacing.
3. Very small seeds (Canola, Sesame) will want to use the **Small Seed Spacer** (768811) to keep seed from getting behind the singulator and grinding in the vDrive Motor.

Specific Crop Notes Relating to Disc and Singulators:

1. **Edible Beans** - If the seed size is within 200 seeds/lb of the seed size range, test both disks
2. The **56 hole soybean** kit can run either corn or soybean singulator if planting with seedtubes. If planting with SpeedTube it is required to use the soybean singulator.
3. The **56 hole soybean** kit is recommended for optimal seeding performance when running SpeedTube. It is limited to less than 140 seeds/sec
4. **Corn** - If the seed is greater than 2500 seeds/lb, the 730085 Specialty disk (.155" hole size) often performs better than the 730079 Corn Disk. If planting corn in that seed size, test both disk for best performance
5. **Peanuts** - If using the small peanut disk, it might be necessary to remove the baffle completely to prevent seed bridging. It also may be necessary to remove the singulator with large, long seeds.

Crop		Field Corn	Sweet Corn				Popcorn		
Size (Qualitative)			Small	Medium	Large	X-Large	Small	Medium	Large
Size (Seeds/lb)		1000-2800	2000-4600				1500-4800		
Seeding Rate (Seeds/Sec)		<32							
Recommended Vacuum Settings	vSet / mSet	20"	18"-22"	18"-22"	18"-22"	18"-22"	20"	20"	20"
	w/Speedtube	20"-25"							
	vSet Select	23"							
Baffle Position		2	4	4	4	4	2	2	2
Kit Part #		768341							
Disk	Name	Corn	Specialty	Specialty	Specialty	Specialty	Specialty	Specialty	Specialty
	# of holes	27	27	27	27	27	27	27	27
	Hole Size	0.176	0.125	0.135	0.145	0.155	0.115	0.115	0.125
	Part #	730079	730082	730083	730084	730085	730081	730081	730082
Singulator	Name	Corn	Corn	Corn	Corn	Corn	Corn	Corn	Corn
	Part #	768355	768355	768355	768355	768355	768355	768355	768355
Ejector	Name	Corn	Specialty	Specialty	Specialty	Specialty	Specialty	Specialty	Specialty
	Part #	768291	768293	768293	768293	768293	768293	768293	768293
Add'l Components	Description								
	Part #								
	Description								
	Part #								
SpeedTube Compatible		Yes	No	No	No	No	No	No	No
WaveVision Compatible		Yes							

Crop		Pumpkins		Sunflowers						
Size (Qualitative)		Canning	Ornamental	Edible Large	Edible Small	#1	#2	#3	#4	.100" Hole Specialty Disc
Size (Seeds/lb)				2000-4000		3K-10K				>10K
Seeding Rate (Seeds/Sec)										
Recommended Vacuum Settings	vSet / mSet	11"-12"	12"-14"	12"-13"	11"-12"	11"-12"	11"-12"	7"-8"	6"-7"	6"-12"
	w/Speedtube									
	vSet Select									
Baffle Position		3	3	4	4	4	4	3	2	2
Kit Part #				768341	768341					
Disk	Name	Specialty	Specialty	Corn	Corn	Specialty	Specialty	Specialty	Specialty	Specialty
	# of holes	27	27	27	27	27	27	27	27	27
	Hole Size	0.125	0.125	0.176	0.176	0.155	0.135	0.115	0.115	0.100
	Part #	730082	730082	730079	730079	730085	730083	730081	730081	730080
Singulator	Name	Corn	Corn	Corn	Corn	Corn	Corn	Corn	Corn	Corn
	Part #	768355	768355	768355	768355	768355	768355	768355	768355	768355
Ejector	Name	Specialty	Specialty	Corn	Corn	Specialty	Specialty	Specialty	Specialty	Specialty
	Part #	768293	768293	768291	768291	768293	768293	768293	768293	768293
Add'l Components	Description			Large Seed Upper Brush						
	Part #			768428						
	Description									
	Part #									
SpeedTube Compatible		No	No	No	No	No	No	No	No	No
WaveVision Compatible										

Crop		Soybeans		Edible Beans			Peanuts	
Size (Qualitative)				Small	Medium	Large	Small - Medium	Large
Size (Seeds/lb)		2000-4500		>2000	1300-2000	<1300	500-1400	200-600
Seeding Rate (Seeds/Sec)			<120				<50	<50
Recommended Vacuum Settings	vSet / mSet	20"	20"	18"-22"	18"-24"	18"-26"	20"-30"	15"-30"
	w/Speedtube	25"-30"	25"-30"					
	vSet Select	24"	24"					
Baffle Position		2	2	2	3	4	4	REMOVE
Kit Part #		768342	768690	768342	768349	768343	768429	768650
Disk	Name	Soybean	Soybean	Soybean	Medium Edible Bean	Large Edible Bean	Peanut	Large Peanut
	# of holes	80	56	80	70	32	32	29
	Hole Size	0.155	0.155	0.155	0.170	0.210	0.230	0.250
	Part #	730039	768687	730039	730295	730294	730361	768651
Singulator	Name	Soybean	Soybean	Soybean	Medium Edible Bean	Soybean	Soybean	N/A
	Part #	768360	768360	768360	768430	768360	768360	N/A
Ejector	Name	Soybean	Soybean	Soybean	Soybean	Large Edible	Large Edible	Large Edible
	Part #	768292	768689	768292	768292	768294	768294	768294
Add'l Components	Description				Large Seed Upper Brush	Large Seed Upper Brush	Large Seed Upper Brush	Large Seed Upper Brush
	Part #				768428	768428	768428	768428
	Description						May need JD large seed tube	May need JD large seed tube
	Part #							
SpeedTube Compatible		Yes	Yes	No	No	No	No	No
WaveVision Compatible		Yes	Yes	Yes	Yes	Yes		

Crop		Cotton			Sorghum / Milo	Wheat / Cereal Rye	Canola	Sugarbeets / Onions	
Size (Qualitative)		Singulated High Rate	2-Seed Hilldrop	3-Seed Hilldrop				Small <9.5/64"	Large >9.5/64"
Size (Seeds/lb)		4200-6300			12K-19K		75K-180K	>28K	<28K
Seeding Rate (Seeds/Sec)		<35				<300			
Recommended Vacuum Settings	vSet / mSet	20"-22"	10"-30"	10"-30"	10"-16"	6"-16"	16"-26"	10"-20"	10"-20"
	w/Speedtube								
	vSet Select								
Baffle Position		1	1	1	1	1-2	1	1	1
Kit Part #		768499	768344	768345	768347	768665	768348	768346	768347
Disk	Name	Singulated High Rate Cotton	2-Seed Hilldrop Cotton	3-Seed Hilldrop Cotton	Large Sugarbeet	Wheat	Canola	Small Sugarbeet	Large Sugarbeet
	# of holes	32	40	39	32	164	80	32	32
	Hole Size	0.115	0.115	0.115	0.086	0.070	0.047	0.062	0.086
	Part #	730296	730292	730298	730291	768663	768338	730290	730291
Singulator	Name	Corn	Soybean	Soybean	Corn	Soybean	Corn	Corn	Corn
	Part #	768355	768360	768360	768355	768360	768355	768355	768355
Ejector	Name	Sugarbeet	2-Seed Hilldrop Cotton	3-Seed Hilldrop Cotton	Sugarbeet	Wheat	Canola	Sugarbeet	Sugarbeet
	Part #	768295	768296	768297	768295	768666	768680	768295	768295
Add'l Components	Description		Up Rstrct Brush	Up Rstrct Brush	Milo Screen	Up Rstrct Brush	Wiper Kit	Milo Screen	Milo Screen
	Part #		768379	768379	720253	768379	768335	720253	720253
	Description						Small Grain Spacer		
	Part #						768811		
	Description					Canola Screen (Super Small)	Canola Screen (Super Small)		
Part #					720288	720288			
SpeedTube Compatible		Yes	No	No	No	No	No	No	No
WaveVision Compatible			Yes (±4%)	Yes (±4%)	No	No Pop Mon.	No Pop Mon.	No Pop Mon.	See Note