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Website: [www.lincolntagproducts.com](http://www.lincolntagproducts.com)

Email: [sales@lincolntagproducts.com](mailto:sales@lincolntagproducts.com)

Address: 228 County Road 640 Granby, CO 80446

### **Price List – Plastic Planter Plates**

**January 1, 2026 – December 31, 2026**

- All Plates, Filler Rings and Adaptors are **\$85.00 each**.
- Individual orders of **25 plates or more receive a 10% Quantity Discount\*** and ship free via UPS Ground.
- Star Knockers: BSK-1 & CSK-1, for use with 60 cell Sorghum Plates are \$2.00 each.
- Standard UPS Ground **Shipping is \$25.00\*\*** per order.
- Special Shipping Charges:
  - UPS Next Day Air Shipping is \$80.00 per order\*\*
  - UPS 2<sup>nd</sup> Day Air Shipping is \$40.00 per order\*\*
  - UPS 3<sup>rd</sup> Day Select Shipping is \$30.00 per order\*\*
  - UPS C.O.D. is \$18.00 per order\*\*

\*Quantity Discount of 10% does not apply to expedited shipping charges.

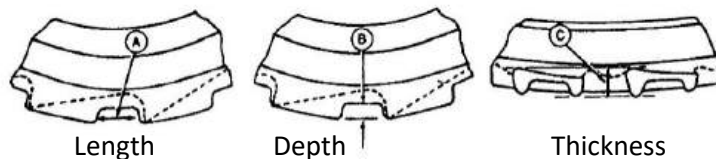
\*\*All shipping prices are for orders shipped within the continental United States, excluding Alaska and Hawaii.

- No Returns, Exchanges, or Discounts without prior Authorization.
- Inspect orders shipped to you and report any discrepancies within 10 days.
- Non established accounts can place orders with a credit card, check or COD only.
- All accounts are due 30 days after the date of the invoice. 1.5% interest per month will be charged on all accounts not paid within 30 days of invoice date. Annual rate is 18%.



### General Information

- **John Deere** seed plates have part numbers starting with letter **B**. They are 6-15/16" overall diameter and fit the following planters:
  - *John Deere 71* and similar JD gravity fed plate planters.
  - *Yetter 71 Series* currently manufactured and sold today.
  - *Allis Chalmers* gravity fed plate planters in combination with an AC-Adaptor we sell.
- **International** seed plates have part numbers that start with letter **C**. They are 7-5/8" overall diameter and fit the following planters:
  - *IHC 56* and similar model IHC gravity fed plate planters.
  - 1968 and later models of *Case*.
- **Dimensions of individual seed cell sizes listed next to each part number are as follows:**
  - All cell sizes are listed in 64<sup>th</sup>s of an inch.
  - The 3 dimensions are listed as *Length - Depth - Thickness*
    - *Length* being measured along the outer edge of the plate.
    - *Depth* being measured from the outer most edge of the plate to the inside of the cell opening.
    - *Thickness* being measured from top to the bottom of the cell.



**CORN PLATES**

**16 CELL FLATS - JD**

QTY	LAP PLASTIC #	J.D. CAST IRON #	PLASTIC COLOR	CELL DIMENSIONS
	B13-16	2503	Lt. Blue	38-15-20
	B5-16	2156	Dk. Blue	40-14-20
	B8-16	695	Green	40-12-20
	B11-16	2504	Dk. Green	38-13-20
	B7-16	694	Lt. Green	36-12-20
	B12-16	1572	Yel. Green	36-12-20
	B6-16	697	White	32-11-20
	B10-16	1571	Turquoise	32-10-20
	B17-16		Med. Violet	30-11-20
	B9-16	1268	Pink	28-12-20
	B90-16		Lt. Gold	34-11-18
	B190-16		Silver	31-11-18
	B19-16		Avocado	28-11-18
	B20-16		Rust	26-10-17

**16 CELL FLATS - IHC**

QTY	LAP. PLASTIC	IHC CAST IRON #	PLASTIC COLOR	CELL DIMENSIONS
	C8-16	1978	Dk. Blue	40-13-20
	C11-16		Dk. Green	38-13-20
	C7-16	1977	Lt. Green	38-12-20
	C7-16X		Med. Green	36-12-20
	C65-16		Ivory	36-12-20
	C6-16	1975	White	32-12-20
	C10-16X	3546	Tan	33-12-20
	C697-16		Lt. Yellow	32-11-20
	C17-16		Med. Violet	30-11-20
	C9-16	3236	Pink	28-12-20
	C90-16		Lt. Gold	34-11-18
	C190-16		Silver	31-11-18
	C19-16		Avocado	28-11-18
	C20-16		Rust	26-10-17

**16 CELL ROUNDS - JD**

	B28-16	2820	Med. Blue	42-23-20
	B0-16	2044	Red	40-22-20
	B54-16		Red-Orange	41-18.5-20
	B1-16X	1933	Orange	34-20-20
	B150-16		Gold	34-18-20
	B2-16	2043	Maroon	34-16-20
	B25-16		Olive	31-15-20
	B3-16X	2295	Brown	28-14-20
	B30-16		Coral	26-14-18

**16 CELL ROUNDS - IHC**

	COX-16		Red	40-22-20
	C12-16		Med. Blue	41-21-20
	C13-16	3042	Dk. Green	32-22-20
	C54-16	462-354	Red-Orange	41-18.5-20
	C1X-16		Orange	34-20-20
	C150-16		Gold	34-18-20
	C15-16	3324	Yel. Green	30-19-20
	C14-16	3561	Turquoise	32-19-20
	C2X-16		Maroon	33-17-20
	C25-16		Olive	31-15-20
	C3-16		Brown	28-14-20
	C30-16		Coral	26-14-18

**24 CELL FLATS - JD**

	B13-24	2847	Lt. Blue	38-15-20
	B5-24X	2594	Dk. Blue	40-14-20
	B8-24X	950	Green	40-12-20
	B11-24	2848	Dk. Green	38-13-20
	B7-24X	1302	Lt. Green	36-12-20
	B12-24	2711	Yel. Green	36-12-20
	B62-24		Yellow	34-12-20
	B6-24X	30070	White	32-11-20
	B10-24	16237	Turquoise	32-10-20
	B17-24		Med. Violet	30-11-20
	B9-24X	16236	Pink	28-12-20
	B90-24		Lt. Gold	34-11-18
	B190-24		Silver	31-11-18
	B19-24		Avocado	28-11-18
	B20-24		Rust	26-10-17

**24 CELL FLATS - IHC**

	C18-24	474-665	Lt. Blue	44-13-20
	C8-24	469-811	Dk. Blue	40-13-20
	C11-24		Dk. Green	38-13-20
	C7-24	469-810	Lt. Green	38-12-20
	C7-24X		Med. Green	36-12-20
	C65-24	480-189	Ivory	36-12-20
	C6-24	469-809	White	32-12-20
	C10-24	480-691	Tan	33-12-20
	C697-24		Lt. Yellow	32-11-20
	C17-24		Med. Violet	30-11-20
	C9-24	480-190	Pink	28-12-20
	C90-24		Lt. Gold	34-11-18
	C190-24X		Silver	31-11-18
	C19-24		Avocado	28-11-18
	C20-24		Rust	26-10-17

**24 CELL ROUNDS - JD**

	B28-24		Med. Blue	42-23-20
	B0-24	2712	Red	40-22-20
	B54-24		Red-Orange	41-18.5-20
	B1-24X	10853	Orange-Red	34-20-20
	B150-24		Gold	34-18-20
	B2-24	2824	Maroon	34-16-20
	B25-24		Olive	31-15-20
	B3-24X	16238	Brown	28-14-20
	B30-24		Coral	26-14-18

**24 CELL ROUNDS - IHC**

	COX-24		Red	40-22-20
	C12-24	480-693	Med. Blue	41-21-20
	C13-24X	3043AA	Dk. Green	32-22-20
	C54-24		Red-Orange	41-18.5-20
	C1X-24		Orange	34-20-20
	C150-24		Gold	34-18-20
	C15-24X	480-509	Yel. Green	30-19-20
	C14-24	480-510	Turquoise	32-19-20
	C2X-24		Maroon	33-17-20
	C25-24		Olive	31-15-20
	C3-24X		Brown	28-14-20
	C16-24		Gray	28-16-16
	C30-24		Coral	26-14-18

**BLANK AND ADAPTOR - JD**

	B-Blank-2		Red	0-0-20
	AC-Adaptor	MC4300 - Allis-Chalmer Type Adaptor		
		Converts "B" Type Plate to A.C. Type plate		

**BLANK PLATE - INTERNATIONAL**

	C-Blank	Color: Red; Req CFR-2	0-0-12
	CFR-2	Color: Ivory; Filler Ring	0-0-8

**SORGHUM PLATES**

JOHN DEERE					INTERNATIONAL				
QTY	LAP PLASTIC #	# OF CELLS	PLASTIC COLOR	CELL DIMENSIONS	QTY	LAP. PLASTIC	# OF CELLS	PLASTIC COLOR	CELL DIMENSIONS
	B-Sorg 2	24 Cells	Yellow	24-13-20		C-Sorg	24 Cells	Yellow	18-11-20
	B-Sorg 1	24 Cells	Yellow	24-13-15					
	B-Sorg 13-30	30 Cells	Lt. Green	13-13-8		C-Sorg 13-30	30 Cells	Lt. Green	13-13-8
		For 10,000-12,000 seeds per pound					For 10,000-12,000 seeds per pound		
	B-Sorg 13-60	60 Cells	Lt. Green	13-13-8		C-Sorg 13-60	60 Cells	Lt. Green	13-13-8
		For 10,000-12,000 seeds per pound					For 10,000-12,000 seeds per pound		
	B-Sorg 12-30	30 Cells	Red	12-12-8		C-Sorg 12-30	30 Cells	Red	12-12-8
		For 12,000-15,000 seeds per pound					For 12,000-15,000 seeds per pound		
	B-Sorg 12-60	60 Cells	Red	12-12-8		C-Sorg 12-60	60 Cells	Red	12-12-8
		For 12,000-15,000 seeds per pound					For 12,000-15,000 seeds per pound		
	B-Sorg 00-30	30 Cells	White	11-11-8		C-Sorg 00-30	30 Cells	White	11-11-8
		For 15,000-18,000 seeds per pound					For 15,000-18,000 seeds per pound		
	B-Sorg 00-60	60 Cells	White	11-11-8		C-Sorg 00-60	60 Cells	White	11-11-8
		For 15,000-18,000 seeds per pound					For 15,000-18,000 seeds per pound		
	B-Sorg 10-30	30 Cells	Blue	10-10-8		C-Blank Sorg	No Cells	White	0-0-8
		For 18,000+ seeds per pound							
	B-Blank 1	No Cells	Ivory	0-0-8		CFR-1	Ivory Filler Ring For Above 6 Plates		
						CSK-1	Star Knocker Red		
							(for use with 60 cell sorghum plates)		
	BFR-1	Clear Filler Ring For Above 7 Plates							
	BSK-1	Star Knocker White							
		(for use with 60 cell sorghum plates)							

**SOYBEAN PLATES**

JOHN DEERE					INTERNATIONAL				
QTY	LAP PLASTIC #	# OF CELLS	PLASTIC COLOR	CELL DIMENSIONS	QTY	LAP PLASTIC #	# OF CELLS	PLASTIC COLOR	CELL DIMENSIONS
	B-Soy	20 Cells	Violet	50-27-20		C-Soy	22 Cells	Violet	54-46-20
		Average Beans per Cell: 8					Average Beans per Cell: 11		
	B-Soy 2	24 Cells	White	36-27-20		C-Soy 2	24 Cells	White	44-26-20
		Average Beans per Cell: 5					Average Beans per Cell: 5.5		
	B-Soy 3X	32 Cells	Yellow	25-28-18		C-Soy 3	38 Cells	Yellow	24-40-18
		Average Beans per Cell: 3					Average Beans per Cell: 3		
	B-Blank Soy	No Cells	White	0-0-20		C-Blank Soy	No Cells	White	0-0-20
	<i>B-Soy = John Deere Cast Iron Plate #1255</i>					<i>C-Soy = IHC Cast Iron Plate #3127</i>			
						<b>Note:</b> Average seeds per cell based on a Soybean variety of 2700			

**SUNFLOWER PLATES**

**JOHN DEERE**

**INTERNATIONAL**

QTY	LAP PLASTIC #	PLASTIC COLOR	CELL DIMENSIONS	QTY	LAP. PLASTIC	PLASTIC COLOR	CELL DIMENSIONS
	B008-16	White	55-25-14		C008-16	White	55-25-14
	B-Blank 010	Dark Green	0-0-12		C010-16	Dark Green	48-22-12
	B010-16	Dark Green	48-22-12		C015-16	Pink	46-20-10
	B030-24S	Brown	25-13-13		C-Blank 015	Pink	0-0-10
	BFR-10	Dark Green	0-0-8		C030-24S	Brown	25-13-13
		Filler Ring for the Above 4 Plates					
					C-Blank	Red	0-0-12
	B-Blank 015	Pink	0-0-10				
					CFR-2	White	0-0-8
	B015-16	Pink	46-20-10			Filler Ring for the Above 6 Plates	
	B020-24	Yellow	37-17-10		C020-24	Yellow	37-17-10
	B030-16	Red	37-14-9		C030-16	Red	37-14-9
	B030-24	Red	37-14-9		C030-24	Red	37-14-9
	B040-24S	Lt. Green	25-12-14		C035-24	Orange	37-14-7
	BFR-2	White	0-0-10		C040-16	Blue	35-13-7
		Filler Ring for Above 6 Plates					
					C040-24	Blue	35-13-7
	B035-24	Orange	37-14-7				
					C040-24S	Lt. Green	25-12-14
	B040-16	Blue	35-13-7				
					C050-16	Green	34-11-7
	B040-24	Blue	35-13-7				
					C050-24	Green	34-11-7
	B-Blank 050	Green	0-0-7				
					CFR-3	White	0-0-10
	B050-16	Green	34-11-7			Filler Ring for the Above 9 Plates	
	B050-24	Green	34-11-7		CFR-40	Blue	0-0-12
						Optional Filler Ring for the C035, C040 and C050 plates	
	BFR-40	Blue	0-0-13				
		Filler Ring for the Above 6 Plates					
				Sunflower Seed Sizing Guide:			
				Seed for Oil		JD	IHC
					#2	B020	C020
					#3	B030	C030
					#4	B040	C040
					#5	B050	C050
				Seed for Confection (Edible)			
					#8	B008	C008
					#10	B010	C010
					#15	B015	C015
					#20	B020	C020

**SUGAR BEET PLATES**

**JOHN DEERE - 72 CELL PLATES**

QTY	LAP PLASTIC #	PLASTIC COLOR	CELL DIAMETER	PLATE THICKNESS
	B-8-083	Yellow	8/64"	0.083
		Equivalent to Cast Iron Plate #13298		
	B-9-083	Red	9/64"	0.083
		Equivalent to Cast Iron Plate #14015		
	B-10-105	Blue	10/64"	0.105
		Equivalent to Cast Iron Plate #13304		
	B-10-125	Black	10/64"	0.125
	B-11-105	Green	11/64"	0.105
		Equivalent to Cast Iron Plate #13931		
	B-11-115	Salmon	11/64"	0.115
	B-11-140MP	Orange	11/64"	0.140
	B-12-160RP	Lt. Green	12/64"	0.160
	B-12-115	Brown	12/64"	0.115
	B-13-115	White	13/64"	0.115

**JOHN DEERE - 36 CELL PLATES**

QTY	LAP PLASTIC #	PLASTIC COLOR	CELL DIAMETER	PLATE THICKNESS
	B-10-105-36	Lt. Blue	10/64"	0.105
	B-11-115-36	Salmon	11/64"	0.115
	B-11-140MP-36	Orange	11/64"	0.140
	B-12-160RP-36	Lt. Green	12/64"	0.160

**INTERNATIONAL - 82 CELL PLATES**

QTY	LAP PLASTIC #	PLASTIC COLOR	CELL DIAMETER	PLATE THICKNESS
	C-8-083	Yellow	8/64"	0.083
		Equivalent to Cast Iron Plate #463-426		
	C-9-083	Red	9/64"	0.083
		Equivalent to Cast Iron Plate #469-282		
	C-10-105	Blue	10/64"	0.105
		Equivalent to Cast Iron Plate #463-428		
	C-10-125	Black	10/64"	0.125
	C-11-105	Green	11/64"	0.105
		Equivalent to Cast Iron Plate #469-283		

**Note:** All Sugar Beet plates **require a Sugar Beet bottom** different from a typical Corn bottom found in most planters.

**MASSEY FERGUSON PLATES**

QTY	ITEM #	COLOR	NUMBER OF CELLS	CELL DIMENSIONS	THICKNESS
	440314M2	White	24	1/2" Round	5/32"
	443014M1	White	0	Blank - No Cells	5/32"
	689054M2	White	24	5/16" Round	5/32"
	440315M2	White	24	11/16" Round	5/16"



### **Seed Sizing Guide**

Proper plate sizing to the specific seed you are planting is critical in achieving consistent planting rates for high crop yields. Seed can be very expensive, so it is critical to use the proper sized plate to minimize seed waste and maximize crop yield. The following is a general guide for matching your seed to the proper sized plate. This information is for sizing seed to the John Deere and International Harvester style plates.

You can always send us a small sample of seed, just 10-20, for sizing. If you do send seed for sizing always wrap them up so they do not get crushed by the postage machines. The bubble wrap envelopes work very well. And always include your email address as well as what type of planter you have. We typically email you with a plate recommendation the same day we receive the seed.

Once you have selected the proper sized plate it is always wise to do a couple rotations with the planter above ground on a flat surface, like a road, to make sure everything is working correctly before going into the field. This would also be a good time to make any adjustments to the spacing with the sprockets.

**General Sizing Guidelines:**

- Always size the plate to the largest seed in your sample. Otherwise, the larger seeds will plug the cells and you will get skips. If the seed varies greatly in size, you may get some doubles of the smaller seed depending upon how well the seed is graded in size.
- It is recommended to have at least 1/64" of clearance between all sides of the seed and the cell of the plate. You do not want a lot of additional space where a second seed could fit within the cell.
- It is generally preferred to have 1 seed per cell or drop, however for some crops like soybeans, it is preferred to have multiple seeds per cell or drop for population purposes.
- Some plates are thinner than a standard corn or soybean plate, such as our Sunflower and Sorghum plates. Because they are thinner, they require a specific filler ring, so they fit tight in the planter bottom.
- All filler rings are of a specific thickness to work with an individual plate. It is critical you use the correct filler ring for the specific plate you are using.
- Older more worn-out plates will plant at a different rate than a new plate. Always ensure the plates you are using are of equal wear to achieve consistent planting rates among different rows.
- Most all corn plates have a wear gauge built in. There is little hole located on the bottom of the plate. When the top of the plate becomes worn down over time from the seed rubbing on it the hole will eventually become visible from the top indicating it is time to replace the plates.
- Some planter bottoms where the plate goes can become very worn over time. This creates additional space between the plate and the planter bottom where some smaller seed can get resulting in varying spacing and planting rates.

**Corn:**

- For corn if there is not a specific planter plate recommendation on the bag of seed it is best to send us a small sample and we can match it up to the correct plate. We have about 15-20 different sizes for both round and flat corn seed.
- Round corn plates have a round or tear drop shaped cell, whereas flat corn plates have a rectangular shaped cell.
- Typically corn seed that does carry a specific plate recommendation is graded more consistent in size for use with gravity fed plate style planters.

**Round Corn Seed:**

- For sizing round corn seed there are only 2 critical dimensions. The length of the seed and the width at the widest point.
- You want to compare the length and width of the largest seed in your sample to the length and depth of the cell on the plate.
- You are looking for a plate with a slightly longer length and deeper depth than your seed.

**Flat Corn Seed:**

- For sizing flat corn seed there are 3 critical dimensions. The length, depth, and thickness of the seed.
- The length of the seed will be the largest of the 3 dimensions, being measured from the tip of the seed to the other end.
- The thickness of the seed is typically the middle of the 3 dimensions, being less than the length and greater than the depth. It is measured by lying the seed flat on a surface and measuring how wide it is at the largest point.
- The depth of the seed is always the least of the 3 dimensions. The depth is measured by placing the seed flat on a surface and measuring how far up from the surface the skinny side of the seed is while lying flat.
- The depth of the seed is most critical to get the correct sized plate.
- You are looking for a plate with a cell having a depth of about 1/64" larger than the depth of your seed.
- The flat corn seed will ride up on the skinny edge when it fits within the cell of the plate.

- After finding a plate with the correct depth of cell for your seed, compare the length and thickness of the seed to make sure they fit within the cell on the plate as well.
- Most all corn plates are 20/64" thick. Because of this, the thickness of the plate or seed is the least critical dimension to get the correct sized plate.
  - Some smaller flat corn plates will have a thickness less than 20/64" of an inch.
- If you have a flat corn seed of a width greater than 20/64" you may need to flip over the floor plate that hinges closed on the planter bottom holding the plate in.
  - There is usually a flat side and a grooved side to the floor plate that closes shut.
  - The grooved side will help accommodate seed of a width larger than 20/64".

### **Sorghum:**

- Sorghum seed is usually listed as so many thousand seeds per pound, ranging from 10,000 - 20,000 seeds per pound. That correlates to a specific plate, so you only get 1 seed per cell or drop. All the single drop sorghum plates require a specific filler ring, so they fit tight in the planter bottom because the plates are thinner than a standard corn plate. Without the filler ring seed would get above or below the plate and drop out randomly.
- Most of the single drop sorghum plates come in either 30 or 60 cells for spacing purposes. The 60 cell plates should plant anywhere from 2-8lbs per acre (assuming 36" rows) and the 30 cell plates will plant half that depending on your sprocket settings.
- Or we have multiple drop sorghum plates that are thicker like a corn plate. But you will get multiple seeds per cell or drop. These thicker multiple drop plates do not require a filler ring.
- Please refer to the product information packet or the specific plate descriptions on our website for which sorghum plates correspond to what seed size.

### **Sunflower:**

- Sunflower plates are thinner than a typical corn plate, so they require a specific thickness filler ring to fit tight in the planter bottom.
- Sunflower seed is typically labeled with a size, #2 through #20. That size then correlates to a specific plate, so you get just 1 seed per cell or drop.

- If a size is not listed, we would need a sample of the seed to recommend a specific plate.
  - If the seed is not labeled most seed dealers can get you this information.
  - If it came from a smaller bag without a label most always the larger bag it came from is labeled with a size.
- Please refer to the product information packet or the specific plate descriptions on our website for which sunflower plates correspond to what seed size.

### **Soybean:**

- We have 3 different sized soybean plates for both John Deere and International planters.
- All the soybean plates are multiple drop plates, meaning you get multiple soybeans seeds per cell or drop. This is needed to get the preferred populations for planting soybeans.
- Because they allow multiple soybean seeds per cell the plates will work with all sizes of soybean seed.
- Please refer to the product information packet or the specific plate descriptions on our website for soybean planting rate information.

### **Sugar Beet:**

- Sugar Beet plates require a specific sugar beet bottom in the planter.
  - Different from a standard corn bottom.
- A Sugar Beet bottom consists of a specific metal floor plate that hinges shut and works in combination with a metal filler ring with an integral drop tube in combination with a specific sprocket setup.
  - All different than what is used on a standard corn bottom.
- There are different thickness filler rings that work in combination with the different thickness sugar beet plates we have.
  - It is critical to make sure you have the correct combination.
  - For this information it is always best to consult your owner's manual.

Unfortunately, we do not have this information available as to what plates work with what filler rings.
- If you do not have a specific sugar beet bottom most people will use one of our single drop sorghum plates in combination with the required plastic filler ring, we sell.

- Most people find the single drop sorghum plates work very well for planting sugar beets.
- For sizing, simply measure the diameter of the sugar beet seed and make sure it will fit within the diameter of the cell and with reference to the plate thickness as to not crack the seed.

### **Miscellaneous Vegetable Seed:**

#### **Disclaimer**

- Please note, the following plate recommendations are simply based off previous customer's experience and positive feedback.
- Seeds do vary in size, even within the same variety, and could always require a different sized plate than what is recommended.
- It is crucial you always test fit your seed within the cell and do a couple rotations with the planter above ground to make ensure everything is working properly before planting in the field.

### **Beans (edible):**

- Lately we have been seeing all shapes and sizes of edible beans so it is best to send us a small sample and we can match them up to the best plate. In the past people have used the plates listed below.
- The B11-16, B11-24, B5-16, B5-24X, B13-16 and B13-24 are common plates to use for edible beans. Keep in mind we have been sizing beans to many different plates than these lately.
  - These plates often require modifications to enlarge the depth of the cells.

### **Collard Greens:**

- Most people prefer the largest single drop sorghum plates for planting collard greens, the same plate that is used for Okra.
  - For JD planters we recommend the B-Sorg 13-30 or B-Sorg 13-60 in combination with the required BFR-1 filler ring.

- For IHC planters we recommend the C-Sorg 13-30 or C-Sorg 13-60 in combination with the required CFR-1 filler ring.

### **Cucumber:**

- Most people prefer the following plates for planting cucumber.
  - For JD planters, our smallest sunflower plate, the B050-16, B050-24 or B-Blank 050. All in combination with the required BFR-40 filler ring.
  - For IHC planters, our smallest sunflower plate, the C050-16 & C050-24 or the C-Blank 015. All in combination with the required CFR-3 filler ring.
- Most customers report getting 2-3 seeds per cell in the sunflower plates with the existing cells. This seems to be preferred for population purposes.
- Some people prefer the blank plates to achieve specific spacing requirements different from that available with a 16 or 24 cell plate.

### **Okra:**

- For planting okra most people have good success using the largest single drop sorghum plates, the same plate as used for collard greens.
  - For JD planters we recommend the B-Sorg 13-30 or B-Sorg 13-60 in combination with the required BFR-1 filler ring.
  - For IHC planters we recommend the C-Sorg 13-30 or C-Sorg 13-60 in combination with the required CFR-1 filler ring.

### **Peas:**

- We size peas to a lot of different plates. The best option is to send us a small sample and we can match them up to the best plate for you.

### **Pumpkin Seed:**

- Most people prefer to cut their own cells into a blank sunflower plate when planting pumpkin seed.
  - For JD planters we recommend the B-Blank 015 in combination with the required BFR-2 filler ring.

- For IHC planters we recommend the C-Blank 015 in combination with the required CFR-2 filler ring.
- People seem to prefer anywhere from just 2-8 cells to achieve their preferred spacing for pumpkins.
- The blank plates are made of plastic and cut easily with a Dremel tool or even a hand file.
- Simply take your largest seed and lay it on the flat flange part of the plate and trace it.
- Next cut out the rough shape, making sure to cut small at first and test fit the seed often as you enlarge it, as to not make the cell too large.
  - Ideally you want a cell with about 1/64" clearance around the seed.
  - However, the cell shape and size does not need to be extremely precise. Basically, you don't want enough clearance where you could fit another seed or part of another seed within the cell, as it will then crack and will not germinate.
- Some people prefer to slightly chamfer the upper edge of the cell, to help the knocker assembly kick out any possible double seeds that are lying on top of one another.
- After cutting just 1 cell in the plate it is recommended to do some testing with the plate and some seed in the hopper and do a couple rotations above ground to ensure everything is working properly.
- Once everything seems to be working well go, ahead and cut however many cells you need in the plate to achieve your preferred spacing.

### **Squash:**

- Most people prefer the following plates for planting squash.
  - For JD planters, our smallest sunflower plate, the B050-16, B050-24 or B-Blank 050. All in combination with the required BFR-40 filler ring.
  - For IHC planters, our smallest sunflower plate, the C050-16 & C050-24 or the C-Blank 015. All in combination with the required CFR-3 filler ring.
- The sunflower plates with the existing 16 or 24 cells will need all the cells enlarged to accommodate the entire squash seed.
- Because of the all the required modifications to the plates with cells people often prefer blank plates to start from scratch.

## **Watermelon:**

- Most people prefer the following plates for planting watermelon.
  - For JD planters, our smallest sunflower plate, the B050-16, B050-24 or B-Blank 050. All in combination with the required BFR-40 filler ring.
  - For IHC planters, our smallest sunflower plate, the C050-16 & C050-24 or the C-Blank 015. All in combination with the required CFR-3 filler ring.
- The sunflower plates with the existing 16 or 24 cells will all need the cells enlarged to accommodate the entire watermelon seed.
- Because of the all the required modifications to the plates with cells people often prefer blank plates to start from scratch.