



Lincoln Ag-Products

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Price List – Plastic Planter Plates

January 1, 2021 – December 31, 2021

- All Plates, Filler Rings and Adaptors are **\$45.00 each**.
- Individual orders of **100 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 \$0.50 each.
- Standard UPS Ground **Shipping is \$20.00**** per order.
- Special Shipping Charges:
 - UPS Next Day Air Shipping is \$70.00 per order**
 - UPS 2nd Day Air Shipping is \$35.00 per order**
 - UPS 3rd Day Select Shipping is \$25.00 per order**
 - UPS C.O.D. is \$16.50 per order**

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

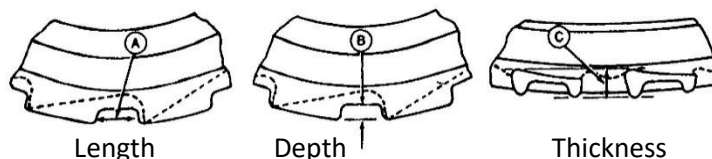
**All shipping prices are for orders of up to 100 plates, shipped within the continental United States; excluding Alaska and Hawaii.

- 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 B** type plates 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.
 - 1968 & later models of *White* (M.M. Oliver), *Cockshutt*, *Dempster* and *Cole* planters.
 - 1976 & later *Ford 352* pull type and *K.M.C.* (Kelly Mfg. Co.)
 - *Allis Chalmers* gravity fed plate planters in combination with an AC-Adaptor.
- **International C** type plates 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*.
- **Massey Ferguson** type plates are 8¼” overall diameter and fit the following planters:
 - Model 37, 39, 41, 46, 78, 468, 545
 - The Massey Ferguson plates are considered a flat drop plate with a completely enclosed round cell different from an edge drop plate.
 - Massey Ferguson made both flat drop and edge drop planter bottoms for most all models.
 - The Massey Ferguson edge drop style plates are larger in diameter than the flat drop style plates.
 - Verify your hopper takes flat drop type plates before ordering.
- **Dimensions of individual seed cell sizes:**
 - All cell sizes are listed in 64ths 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.



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>			
	Note: 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 5 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
	BFR-40	Blue	0-0-13			Optional Filler Ring for the C035, C040 and C050 plates	
		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

INTERNATIONAL - 82 CELL PLATES

QTY	LAP PLASTIC #	PLASTIC COLOR	CELL DIAMETER	PLATE THICKNESS	QTY	LAP PLASTIC #	PLASTIC COLOR	CELL DIAMETER	PLATE THICKNESS
	B-8-083	Yellow	8/64"	0.083		C-8-083	Yellow	8/64"	0.083
	Equivalent to Cast Iron Plate #13298					Equivalent to Cast Iron Plate #463-426			
	B-9-083	Red	9/64"	0.083		C-9-083	Red	9/64"	0.083
	Equivalent to Cast Iron Plate #14015					Equivalent to Cast Iron Plate #469-282			
	B-10-105	Blue	10/64"	0.105		C-10-105	Blue	10/64"	0.105
	Equivalent to Cast Iron Plate #13304					Equivalent to Cast Iron Plate #463-428			
	B-10-125	Black	10/64"	0.125		C-10-125	Black	10/64"	0.125
	B-11-105	Green	11/64"	0.105		C-11-105	Green	11/64"	0.105
	Equivalent to Cast Iron Plate #13931					Equivalent to Cast Iron Plate #469-283			
	B-11-115	Salmon	11/64"	0.115		<p>Note: All Sugar Beet plates require a Sugar Beet bottom different from a typical Corn bottom found in most planters.</p>			
	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					

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 contact information as well as what type of planter you have. We typically call 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:

- There are different plates specifically for round or flat corn seed.
- Round corn plates have a round or tear drop shaped cell, whereas flat corn plates have a rectangular shaped cell.
- Most all seed is labeled round or flat seed. Sometimes there is even a specific plate recommendation on the bag of corn seed, although this seems to be less common these days.
- 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 really 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 dimension, 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:

- There are both single drop and multiple drop plates for sorghum seed.

Single Drop Sorghum Plates:

- Single drop plates only allow 1 seed per cell and are thinner than multiple drop plates or a standard corn plate so they require a filler ring to fit tight in the planter bottom.
- Single drop plates are preferred whenever harvesting sorghum as they will produce stronger plants and higher yields.
- There are both 30 or 60 cell versions of most single drop sorghum plates.
 - The 60 cell plates will plant anywhere from 2-8lbs per acre with 36” rows depending upon your sprocket settings.
 - The 30 cell plates will plant half that.
- Most sorghum seed ranges in size from 10,000 to 20,000 seeds per pound.
 - The lower the number of seeds per pound the larger the size of the seed.
- There are different sized single drop sorghum plates depending upon the size of seed.
- The number of seeds per pound will correspond to one of the specific sized single drop sorghum plates. Please refer to the product information packet or the individual sorghum plate descriptions on our website for reference.

Multiple Drop Sorghum Plates:

- Multiple drop plates will allow multiple seeds on top of one another within the cells.
- Multiple drop plates will work with all sizes of sorghum seed.
- Multiple drop plates are sometimes preferred when planting for wildlife as you do not need a filler ring.
 - Keep in mind you will use significantly more seed per acre, sometimes even four times that of a single drop plate.
- Multiple drop plates also produce smaller plants as they are planted denser than a single drop plate, effectively reducing the amount of water each plant receives.
- There are 2 multiple drop sorghum plates for John Deere planters, the B-Sorg 1 and B-Sorg 2
 - The B-Sorg 1 will plant anywhere from 4-17lbs. per acre depending upon your sprocket settings*
 - The B-Sorg 2 will plant anywhere from 5-23lbs. per acre depending upon your sprocket settings*
- There is just 1 multiple drop sorghum plate for IHC planters, the C-Sorg.
 - The C-Sorg will plant anywhere from 4-16lbs. per acre depending upon your sprocket settings*

**Assuming 36" rows and seed sized at 14,000 seeds per pound.*

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.
 - 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:

- Soybeans are typically planted with a multiple drop plate to achieve preferred populations.
- There are 3 different sized soybean plates for JD planters.
 - B-Soy is the largest soybean plate.
 - Planting rates of 30-133lbs. per acre* depending upon sprocket settings.
 - Averages 7.8 beans per cell*
 - B-Soy 2 is the medium sized soybean plate, by far the most popular plate for soybeans.
 - Spaces the beans down the row much better than the larger B-Soy plate.
 - Planting rates of 24-98lbs. per acre* depending upon sprocket settings.
 - Averages about 5.5 beans per cell*.
 - B-Soy 3X is the smallest soybean plate.
 - Has a very small cell and is not recommended for larger soybean seeds as they will plug and you will get skips.
 - Planting rates of 18-76lbs. per acre* depending upon sprocket settings.
 - Averages about 3 beans per cell*.

**Based on a seed size of 2,700 seed per lb. and 30" row spacing.*

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 also 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):

- Large flat corn plates work well with beans.
- Measure the length and width of the largest beans in the sample.
 - Select a plate with a length and depth that will accommodate the largest seed.
 - The depth of the cell will often times need to be modified and enlarged to accommodate the entire width of edible beans.
- The B11-16, B11-24, B5-16, B5-24X, B13-16 and B13-24 are common plates to use for edible beans.

- Sometimes requiring modifications to enlarge the depth of the cells.

Collard Greens:

- Most people prefer the largest single drop sorghum plates for planting collard green, 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 in order 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:

- Medium to small round corn plates work well when planting Peas
- Simply measure the diameter of the largest pea and then select a round corn plate with a depth slightly larger than the diameter of the pea.

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 in order to achieve their preferred spacing for pumpkins.
- The blank plates are made of plastic and cut very 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 all need 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.