

SEED STARTING FLATS, TRAYS, DOMES & POTS

Seedling Flats

To incorporate our seedling flats into your growing system, first identify which flat best accommodates your crop using the chart below. Typically, the larger the seedling, the larger the cell you will need to allow for proper root development. Those crops that will be in flats for longer may benefit from being started in 20-row flats and “potted up” into plug flats. Seedlings can also be started in, or transplanted into, plug inserts or pots.

Type	Part #	Recommended Crops	Compatible With†	Cell Size††	Qty
20-Row Seed Flats Save space by starting seeds in one flat and transplanting into cell trays after germination.					
20-row	9523	Generally, crops that take longer to germinate and grow (e.g., Peppers, Eggplant, Perennial Herbs, Lisianthus)	Lightweight Shallow Tray (with Holes), Lightweight Shallow Tray	9¾" L x 7⁄8" W x 1¼" Deep	5
	9524				50
SureRoots Deep-Cell Plug Flats Promotes deeper root development.					
50-cell	7554	Sweet Peas, Asparagus, Perennials, and crops with a tap-root or that are sensitive to root disturbance	All bottom trays and 1020 domes	2" Square x 5" Deep	5
	7553				25
Plug Flats The standard compact design for efficiently growing seedlings.					
50-cell	9498	Artichokes, Cucumbers, Melons, Ornamental Grasses, Peppers, Squash, Tomatoes	Lightweight Shallow Tray (with Holes), Lightweight Shallow Tray	1⅞" Square x 2⅜" Deep	5
	9499				100
72-cell	9496	Basil, Broccoli, Cabbage, Flowers, Herbs, Kale, Swiss Chard		1½" Square x 2¼" Deep	5
	9497				100
128-cell	9494	Chicory, Delphinium, Fennel, Lettuce, Lisianthus, Onions, Shallots, Stock		1⅞" Square x 1⅞" Deep	5
	9495				100
200-cell	9492	Flowers and Herbs (small-seeded, e.g., Alyssum and Chamomile)		1 ⅜" Square x 1⅜" Deep	5
	9493				50
Jumbo Plug Inserts Separates into 6-packs for seedling sales.					
Six 6-packs	9027	Tomatoes, Peppers, Broccoli, Kale, Lettuce, Greens (for bunching), Flowers, Herbs	Lightweight Deep Tray (with Holes), Lightweight Deep Tray, Mesh Trays	2" L x 2¼" W x 3¼" Deep	5
	9019				100

† Only compatible with products listed.

†† All seedling flats shown here have drainage holes.



Seedling Grower Starter Kit 6962

EXCLUSIVE! Grow your own seedlings at home!

Includes: (3) 72-Cell Plug Trays, (2) 50-Cell Plug Trays, (5) Lightweight Shallow Trays, (5) 2" Clear Acrylic Domes, (1) Johnny's 512 Mix – 20 qt., (20) Wooden Pot Labels, and growing instructions. NOTE: Supplemental heat is needed to germinate warm-loving crops like tomatoes, peppers, and eggplants. Visit our website for shipping restrictions. **OG**

Support Trays

Use the chart below to select the right tray for your needs. Deep “1020” trays without holes serve as water reservoirs, carry trays for seedling flats and inserts, and are ideal for most seed-starting applications. Shallow trays are excellent for microgreens production. Mesh trays support seedling flats and soil blocks and are best for any application where water drainage is beneficial.

Product Name	Color	Part #	Uses	Compatible With¹	Depth	Qty
Solid Trays <i>without</i> Holes – For Bottom Watering						
NEW Endurance Deep Trays	Black	6343	Johnny’s thickest wall trays. Developed to endure the most rigorous commercial grower applications.	2.5” Pots, Polypro 5x5 Insert Pots (see website)	2³/10”	4
	Red	6345				
	Blue	6344				
Lightweight Deep Trays	Black	9514	Ideal for bottom watering.	Jumbo Plug Insert, Soil Block Propagation Tray, Plastic Pots	2¹/2”	5
		9515				100
Lightweight Shallow Trays	White	7244	Ideal for bottom watering.	20-row Seed Flat, Soil Block Propagation Tray, Plug Flats	1¹/4”	5
		7245				36
Solid Trays with Holes – For Drainage						
NEW Polypro Shallow Trays	Black	6369	Durable polypropylene shallow trays with holes for drainage. Available in colors for color-coded production.	2.5” Pots, Polypro Insert Pots (see website)	1”	4
	Blue	6370				
	Red	6371				
	Multicolor	6376				6
Lightweight Deep Trays (with Holes)	Black	9509	Standard 1020 tray. Seed straight into tray or use for extra support. Has holes for drainage.	Jumbo Plug Insert, Plastic Pots	2¹/2”	5
		9508				100
Lightweight Shallow Trays (with Holes)	Black	7291	Perfect for microgreens and shoots production. Has holes for drainage.	20-row Seed Flat, Plug Flats	1¹/4”	5
		7290				100
Mesh Trays						
NEW Polypro Shallow (Mesh) Trays	Black	6378	Tight mesh polypropylene design with reinforced ribbing for extra durability.	2.5” Pots, Polypro Insert Pots (see website)	1”	4
		6380			2.3”	
Medium Weight Mesh Tray	Black	7304	Provide easy transportation and support for seedling flats.	Jumbo Plug Insert, Plastic Pots	2¹/2”	5
		7305				50
Heavyweight Mesh Tray	Black	7306	Provide easy transportation and extra support for seedling flats.	Jumbo Plug Insert, Plastic Pots	2¹/2”	5
		7307				50

† Only compatible with products listed.



Find additional quantities of the Endurance and Polypro Trays at Johnnyseeds.com



Endurance Deep Trays



Lightweight Deep Tray



Lightweight Shallow Tray



Polypro Shallow Tray



Lightweight Deep Tray (with Holes)



Polypro Shallow (Mesh)



Medium Weight Mesh



Heavyweight Mesh



Try our Seed-Starting Date Calculator to determine when to start your seeds based on your frost-free date. Johnnyseeds.com/seed-starting-calculator



2" Clear Acrylic Dome



Large 7" Clear Propagation Dome

Humidity Domes

Provide the perfect environment for germination by covering your flat with a plastic dome that helps retain moisture and warmth. Remove the dome once the seeds emerge to reduce the risk of disease. Use in conjunction with a heat mat for faster, more uniform germination of heat-loving crops.

Product Name	Part #	Uses	Compatible With†	Vented?	Qty
2" Clear Acrylic Domes	9519	Standard humidity dome for germinating seedlings.	20-row Seed Flat, Plug Flats, Lightweight Shallow Tray (with Holes), Lightweight Shallow Tray, Lightweight Deep Tray (with Holes), Lightweight Deep Tray, Soil Block Propagation Tray, SureRoots Plug Flats	No	5
	9518				50
Large 7" Clear Propagation Domes	7150	Great healing chamber for newly grafted plants.	20-row Seed Flat, Plug Flats, Jumbo Plug Insert, Lightweight Shallow Tray (with Holes), Lightweight Shallow Tray, Lightweight Deep Tray (with Holes), Lightweight Deep Tray, Mesh Trays, SureRoots Plug Flats	Yes	5
	7149				25

† Dome rests lightly over the tray and does not form a tight seal.

Pots

Biodegradable Fertil Pots

Part #	Cells	Width	Height	# Fit in Tray†	Qty
Round					
9327	1	2 1/3"	2 1/3"	32	160
9313					3,000
9315		3 1/8"	3 1/8"	18	90
9429					1,370
9083		4"	4"	14	50
9452					810
Square Insert Strips††					
7384	36	1 1/2"	2"	2	10
7385					144
9211	20	2"	2"	2	10
9457					87
9217	18	2 1/3"	2 1/3"	2	10
9874					111
9351	12	3 1/8"	3 1/8"	1 1/2	8
9477					64

† Number of units that fit into a standard 1020 tray.

†† Must be used with a support tray.

Square Plastic Pots

Type†	Part#	Width	Height	# Fit in Tray††	Qty
Mini	9510	3 1/2"	2 7/8"	18	18
	9512				540
Maxi	7748	3 1/2"	3 1/2"	18	18
	7746				540
Jumbo	7749	5 1/4"	5 1/2"	8	8
	7747				200

† All plastic pots have drainage holes.

†† Number of pots that fit into a standard 1020 tray.



Mini

Maxi



Fertil Pots



Polypro 5x5 Insert Pots

NEW Polypro Insert Pots

Part #	Compatible With	Color	Width	Height	Qty
Polypro 2.5" Insert Pots					
6361	Endurance Trays, Polypro Trays, and Polypro 5x5 Insert Pots	Red	2.5"	3.5"	8
6365					32
6359		Blue	2.5"	3.5"	8
6364					32
6357		Black	2.5"	3.5"	8
6363					32
Polypro 5x5 Insert Pots					
6362	Endurance Trays, Polypro Trays, and 2.5" Insert Pots	Red	5"	2.5"	8
6368					24
6360		Blue	5"	2.5"	8
6367					24
6358		Black	5"	2.5"	8
6366					24