

maximize your
"pot-ential"



revolution™

KieftSeed™

revolution™ collection

A revolution in every pot size

Flower timing is synchronized across the color range in each Revolution series, so your production flows smoothly. You will grow, pick, pack and ship to hit your schedule. High uniformity enables consistent, fully programmable, high-density crops year-round.

Revolution F1 Collection

Gerbera 🌻

Gerbera jamesonii

Plug crop time: 6 to 7 weeks

Transplant to finish: 8 to 10 weeks

Supplied as coated seed.

Maximize your “pot-ential”

- The Revolution collection gives you so many choices in plant size and color.
- The flowering window of each Revolution series is uniform, so you can grow as a mix and separate at finishing.
- Each Revolution series features more stems, more blooms and more color for more value!

start your revolution™

1

Mega Revolution™

The biggest blooms for the biggest impact

2

Revolution™

Sets the standard for pot gerbera everywhere

3

Novelty

Midi, Mini and Micro options to boost your program



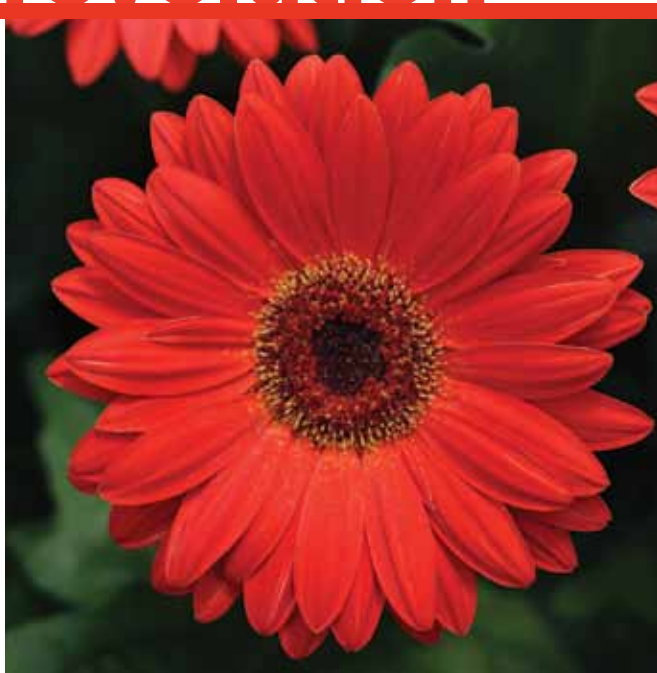
Mega Revolution Watermelon

**Revolution Pastel Orange
with Dark Eye**

Mini Revolution Yellow

	Best for	Height	Spread	Flower Size	
1	Mega Revolution	6-in./15-cm and larger pots	12 to 16 in./30 to 40 cm	8 in./20 cm	3.5 to 4 in./9 to 10 cm
2	Revolution	4.5 to 5.5-in./11 to 13-cm pots, quarts	12 to 16 in./30 to 40 cm	5 to 6 in./13 to 15 cm	2.5 to 3 in./6 to 8 cm
3	Midi Revolution	3.5 to 4.5-in./9 to 11-cm pots	10 to 12 in./25 to 30 cm	4.5 to 5 in./11 to 13 cm	2.5 in./6 cm
	Mini Revolution	3.5 to 4-in./9 to 10-cm pots	8 to 10 in./20 to 25 cm	4 to 5 in./10 to 13 cm	2 to 2.5 in./5 to 6 cm
	Micro Revolution	3-in./8-cm and smaller pots	8 to 10 in./20 to 25 cm	4 to 5 in./10 to 13 cm	1 to 1.5 in./3 to 4 cm

revolution™



Scarlet Red with Dark Eye



New Orange with Light Eye



New Bright Red with Dark Eye



Rose Shades



Neon Rose with Dark Eye



Terracotta



Pastel Orange with Dark Eye



Golden Yellow with Dark Eye



Yellow with Dark Eye



Yellow with Light Eye



Pink with Light Eye



Light Salmon with Dark Eye



Pastel Pink Shades with Dark Eye

Revolution Series

When it comes to uniformity of flowering window across a complete color range, Revolution is the leading standard-size pot gerbera over Festival, Royal and Jaguar. Features first-in-class seed quality too!



New White with Light Eye



Select Mixture is a uniform mix of bold, bright colors.



Spring Pastels



Classic Mixture has a broad range of bright and pastel colors.



**Pink with Light Eye,
Terracotta & White
with Light Eye**

mega revolution™



New Red with Dark Eye



New Bright Red with Light Eye



Watermelon



Rose with Light Eye



Purple Shades



Golden Yellow with Dark Eye



Yellow Shades



Champagne



Orange with Dark Eye



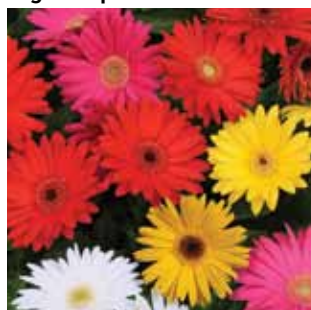
Golden Yellow with Dark Eye



Classic Mixture is a broad range of bright and pastel colors.



White



Select Mixture is a uniform mix of bold, bright colors.

Mega Revolution Series

- Produces vigorous, bushy plants with very large flowers.
- Ideal for your larger container size gerbera programs.

novelty



New Midi Revolution Strawberry Shortcake

Midi Revolution Strawberry Shortcake

- Intermediate type between Revolution and Mini Revolution
- Slightly smaller flower and plant size than Revolution for easy high-density production.
- Unique segregating mixture of rose, pink, red and magenta, most with bicolor petals or rings around the eye.



Mini Revolution Red with Dark Eye



Mini Revolution Red with Light Eye



Mini Revolution Rose

Mini Revolution Series

- Genetically compact and early to flower.
- Excellent plant habit and short stems.

Micro Revolution Irish Eyes Mixture

- Very compact mix with 100% light green-eyed varieties, including pastels and bicolors.
- Contains more than 50% double and semi-double flowers.



Mini Revolution Orange with Light Eye



Mini Revolution Yellow



Mini Revolution White



Micro Revolution Irish Eyes Mixture



Mini Revolution Mixture is a uniform mix of bold and pastel colors.

Revolution Collection Gerbera

Plug Production	Find complete Plug Production details at kiefseed.com
Container Size	See series-specific information on the inside flap.
Media	Use well-drained, disease-free, soilless medium with pH of 5.5 to 6.0 and medium initial nutrient charge.
Potting	Uniformity at all stages will greatly increase uniformity of overall crop. Fill pots 100% and with a uniform soil level. Do not compress soil. Place plugs in a dibbled hole in the center of the pot. Transplant uniform graded plugs approximately 0.25 in. above the soil level in the pot. They will settle a little after watering. Crown should be at soil level after watering. <i>Do not pot too deep as this may result in crown rot.</i>
Temperature	Nights: 62 to 66°F (17 to 19°C) are preferred. Days: 66 to 68°F (19 to 20°C) are preferred; temperatures above 85°F (29°C) are detrimental to quality. 65°F (18°C) nights are beneficial for the first 2 weeks after transplant. After that, nights as low as 60°F (16°C) can be tolerated. In darker periods, day and night temperatures can be reversed (negative DIF) to keep stem length somewhat shorter.
Light	Gerbera prefers high light conditions. Plug stage: See kiefseed.com. After potting: Range is 4,000 to 6,000 f.c. (40,000 to 60,000 Lux). Plants tolerate higher levels as they mature. Shade should be applied when levels are above 7,000 f.c. (70,000 Lux).
Irrigation	Gerbera likes a moderate to drier soil condition. Even immediately after transplanting, moderate watering will suffice. Overwatering is a common cause of lower quality and crop losses. Overhead watering is possible until the flower buds appear, but watering directly into pot or growing with ebb/flow floors is preferred. Drip tube culture works well also.
Fertilizer	See the chart below for general guidelines.
Growth Regulators	PGRs can be used to reduce stretching. B-Nine/Alar (daminozide) can be applied at 1,000 to 2,500 ppm (1.2 to 3.0 g/l of 85% formulation or 1.6 to 4.0 g/l of 64% formulation) 1 to 2 times with an interval of 9 to 10 days. Do not apply when flower buds are the size of a pea or larger to prevent decrease of flower size and a delay in flowering.
Pinching	None
Spacing	Space plants when the leaves of the plants are touching each other, 4 to 6 weeks after transplanting, depending on pot size.
Crop Scheduling	Sow to transplant (144 to 128-cell plug tray): 6 to 7 weeks Bulking after transplant: 4 to 6 weeks Finishing the crop: 4 to 6 weeks Crop schedule is dependent on sowing date, available light, and required pot/plant ratio. Total crop time is approximately 14 to 15 weeks from sowing to 50% flowering. 100% color will appear 10 to 14 days later.
Common Problems	Insects: Thrips are a major pest. Also watch for white flies, leaf miner, spider mites, shore fly and fungal gnat larvae and adult flies. Diseases: Good air movement over the crop is critical. Powdery mildew is most common. Downy mildew is problematic in moist warm conditions. Crown rot, <i>Botrytis</i> , <i>Fusarium</i> .
Postharvest Sleeving	Special wrapping sleeves are available in most countries. Do not use plastic; paper or polypropylene is preferred.

Fertilization

- Gerbera are moderate feeders. Fertilization frequency depends on light and temperature – less feed for lower light/shorter days, more feed for higher light/longer days.
- Use clear water 1 time each week or when necessary to maintain EC below 1.5 mmhos/cm.
- Avoid excessive ammonia nitrogen levels as this will cause excessive leaf growth and lower bud counts. Extreme levels will burn roots and deteriorate crop quality.
- Once every 2 to 3 weeks, drench the crop with a solution containing 1 lb. MgSo₄ and 1 oz. FeEDDHA per 100 gallons of water (1:100 injector).
- pH range: 5.6 to 6.2.
- Suggested approximate ppm ratios under normal conditions:

Stage of Production	N	P	K	Ca	Mg (MgSo ₄)*	Micro	E.C.
Plug production	See kiefseed.com						
At transplant**	150 ppm	25 ppm	100 ppm	50 ppm	25 ppm	***	1.2-1.5
At bud initiation and at spacing until flowering****	75 ppm	25 ppm	150 ppm	75 ppm	25 ppm	***	1.2-1.5

*A good source of Magnesium is MgSo₄ [Epsom salt].

**From transplant common fertilizer blends are: 17-5-17; 14-4-14

***Maintain micro-nutrient minimums throughout production cycle.

****From spacing and bud initiation onward, use fertilizer blend 13-5-23 or similar.

Contact your preferred distributor to order Revolution Collection Gerbera seed and plugs.

PanAmerican Seed
622 Town Road, West Chicago, Illinois 60185-2698 USA
630 231-1400 or 800 231-7065 Fax: 630 293-2557
panamseed.com

P.O. Box 63, 1606 ZH Venhuizen, The Netherlands
+31 (0)228 54 1844 Fax: +31 (0)228 54 3440

Visit panamseed.com for current Terms & Conditions of Sale.