maximize your “pot-ential”

revolution™
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 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!
Mega Revolution™
The biggest blooms for the biggest impact

Revolution™
Sets the standard for pot gerbera everywhere

Novelty
Midi, Mini and Micro options to boost your program

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

Find product & growing info at kieftseed.com
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

Find product & growing info at kieftseed.com
Select Mixture is a uniform mix of bold, bright colors.

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

Mega Revolution Series

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

Plug Production
Find complete Plug Production details at kieftseed.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
Uniformly 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 dilled 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. Do not pot too deep as this may result in crown rot.

Temperature

| Night: 62 to 66°F (17 to 19°C) are preferred. | Day: 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 kieftseed.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, Botrytis, Fusarium.

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 to 6.2.
• Suggested approximate ppm ratios under normal conditions:

<table>
<thead>
<tr>
<th>Stage of Production</th>
<th>N</th>
<th>P</th>
<th>K</th>
<th>Ca</th>
<th>Mg (MgSo4)*</th>
<th>Micro</th>
<th>E.C.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plug production</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>At transplant**</td>
<td>150 ppm</td>
<td>25 ppm</td>
<td>100 ppm</td>
<td>50 ppm</td>
<td>25 ppm</td>
<td>***</td>
<td>1.2-1.5</td>
</tr>
<tr>
<td>At bud initiation and at spacing until flowering****</td>
<td>75 ppm</td>
<td>25 ppm</td>
<td>150 ppm</td>
<td>75 ppm</td>
<td>25 ppm</td>
<td>***</td>
<td>1.2-1.5</td>
</tr>
</tbody>
</table>

* 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.

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panamseed.com

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