GrowerFacts

PanAmerican Seed®

Dianthus Rockin'™ F_1 Series

(Dianthus x barbatus interspecific)

Perennials Culture (revised 02/24/20)

Rockin' the garden!
This dynamite series rocks perennial borders year after year, thanks to vivid colour, durable performance and count-on-it overwintering!

Plug crop time: 4 to 6 weeks
Transplant to finish: 8 to 9 weeks

- The Rockin' series opens the door to premium product sales in perennial quart and gallon programs for mid-Spring and the Autumn decorating season.
- Lacy, slightly scented flowers top full and long-lasting plants – this one delivers *lots of plant for the money*.
- Reliably overwinters to USDA Zone 5 (-20°F/-29°C minimum temperatures) to assure multi-year performance.
- The best colour intensity occurs in the high light and cool temperatures of outdoor production.

General Information

Exposure	Bloom Season	Height	Spread	Spacing
Partial Sun, Sun	Early Spring, Spring, Late Spring, Summer, Late Summer, Autumn, Winter	18-24 in. (46-61 cm)	10-12 in. (25-30 cm)	12 in. (30 cm)

Germination

Seed Form	Recommended Plug Size	Seeds/Cell	Plug Crop Weeks	Days from 50% to maximum germination	Initial Media pH/EC (1:2)	Cover Seed
PEL	288	1	4-6	3-4	5.8-6.2 pH 0.75 mmhos/cm	Yes

Plug Production

	Stage 1	Stage 2	Stage 3	Stage 4
Moisture	Level 4	Level 3-4	Level 2-3	Level 2-3
Temperature	64-68°F (18-20°C)	65-70°F (18-21°C)	60-65°F (16-18°C)	55-60°F (13-16°C)
Light	Optional	5-8 $mol \cdot m^{-2} \cdot d^{-1}$	8-10 $mol \cdot m^{-2} \cdot d^{-1}$	10 $mol \cdot m^{-2} \cdot d^{-1}$
Fertiliser		Less than 100 ppm N (Less than 0.7 EC)	100 to 175 ppm N (0.7 to 1.2 EC)	175 to 225 ppm N (1.2 to 1.5 EC)
PGR			paclobutrazol/4-6 ppm/Spray	

Vernalisation

No

Propagation Key Tips

Paclobutrazol spray at 3-5 ppm at sowing will help control hypocotyl stretch.

Growing on to Finish

Growing on Temperature	Target Media pH/EC (1:2)	Fertiliser	Daylength
(day) 60-72°F (16-22°C) **(night)** 50-60°F (10-16°C)	5.8-6.2 pH 1.5-2.0 mmhos/cm	175 to 225 ppm N (1.2 to 1.5 EC)	Facultative Long Day

Daylength Notation

Long day beneficial

Crop Scheduling

Crop Type	Container Size	Plugs/Pot	Crop Time	Season	PGR
Annual	4"/4.5"/Quart/10 cm	1 (ppp)	9-10 (weeks)	Spring	paclobutrazol 15-20 ppm Spray
Annual	5"/6"/1 Gallon/15 cm	3 (ppp)	8-9 (weeks)	Autumn	paclobutrazol 15-20 ppm Spray
Annual	5"/6"/1 Gallon/15 cm	1-3 (ppp)	9-10 (weeks)	Spring	paclobutrazol 15-20 ppm Spray
Annual	10" Pot or HB/3 Gallon/25 cm	4 (ppp)	8-9 (weeks)	Autumn	paclobutrazol 15-20 ppm Spray

Common Problems

When grown under low light conditions, Rockin' varieties can show strong apical dominance that results in a main stem significantly taller than secondary lateral branches. To reduce apical dominance, ethephon (Florel) at about 300 ppm can be applied every other week, starting 2 to 3 weeks after transplant. Once plants show first colour, a paclobutrazol (Bonzi, Piccolo) 20 ppm spray can be effective to control plant final height.

Finishing Key Tips

3-4 applications of PGRs are needed to produce in quart or gallon containers.

NOTE: Growers should use the information presented here as guidelines only. PanAmerican Seed recommends that growers conduct a trial of products under their own conditions. Crop times will vary depending on the climate, location, time of year, and greenhouse environmental conditions. It is the responsibility of the grower to confirm the treatment is available in their region as well as read and follow all the current label directions relating to the products. Nothing herein shall be deemed a warranty or guaranty by PanAmerican Seed of any products listed herein. PanAmerican Seed's terms and conditions of sale shall apply to all products listed herein.

Variety Pictures


Pink Magic


Purple


Red


Rose

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