

## Tomato DarkStar F<sub>1</sub>

(*Solanum lycopersicum*)

Vegetables Culture (revised 01/19/21)

### A true garden star!

DarkStar is resistant to late blight, a common disease of tomato plants, and it has been tested for all common seedborne diseases, ensuring high-quality seed for propagation. You can rely on DarkStar to light up your vegetable program!

- Upgrade your garden with heirloom tomato flavour *and* modern hybrid tomato performance.
- Early-maturing, rich, purple beefsteak fruit has higher yield potential and fewer blemishes than most heirlooms.
- Large, purple beefsteak fruit is perfect for eating fresh on a sandwich or try preserving in sauce.
- Offers high disease resistance to late blight, too.
- Best grown in the ground with support of a trellis or cage.

## General Information

Exposure	Bloom Season	Height	Spread	Spacing
Sun	Spring, Late Spring, Summer, Late Summer	60-84 in. (152-213 cm)	36-48 in. (91-122 cm)	18-36 in. (46-91 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
RAW	288	1	3-4	2-3	5.5-5.8 pH 0.5 mmhos/cm	Light cover

## Plug Production

	Stage 1	Stage 2	Stage 3	Stage 4
<b>Moisture</b>	Level 4	Level 3-4	Level 2-3	Level 2-3
<b>Temperature</b>	70-75°F (21-24°C)	68-72°F (20-22°C)	68-72°F (20-22°C)	65-68°F (18-20°C)
<b>Light</b>		1,000-2,500 f.c. (10,800-26,900 Lux)	1,000-2,500 f.c. (10,800-26,900 Lux)	2,500-5,000 f.c. (26,900-53,800 Lux)
<b>Fertilizer</b>	Less than 100 ppm N (Less than 0.7 EC)	Less than 100 ppm N (Less than 0.7 EC)	Less than 100 ppm N (Less than 0.7 EC)	Less than 100 ppm N (Less than 0.7 EC)

## Fertilizer Notation

Tomatoes are very sensitive to high salts, particularly high ammonium, during germination. Keep ammonium level to less than 10 ppm.

## Propagation Key Tips

Height can be controlled by withholding fertilizer, avoiding overwatering, growing under high light conditions and using DIF when possible. If necessary, uniconazole (Sumagic) at a rate of 2.5 to 5 ppm can be applied at 2 weeks after sowing for height control. Repeat 2 weeks later if needed.

## Growing on to Finish

Growing on Temperature	Target Media pH/EC (1:2)	Fertilizer	Daylength
(day) 65-70°F (18-21°C) (night) 62-65°F (17-18°C)	5.5-6.2 pH 0.75-1.0 mmhos/cm	Less than 100 ppm N (Less than 0.7 EC)	-

## Days to Ripe Fruit

70-75

## Crop Scheduling

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Container Size	Plugs/Pot	Crop Time	Season	PGR
Cell Pack	1 (ppp)	2-4 (weeks)	Spring	-
4"/4.5"/Quart/10 cm	1 (ppp)	2-4 (weeks)	Spring	-
5"/6"/1 Gallon/15 cm	1 (ppp)	4-6 (weeks)	Spring	-

### Finishing Key Tips

Indeterminate variety. Performs best when grown in-ground and with support.

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

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PanAmericanSeed™

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