

Tomato Bellatrix F₁

(*Solanum lycopersicum*)

Vegetables Culture (revised 12/02/24)

- Bellatrix has high resistance to late blight, a common disease of tomato plants.
- It also has resistance to Fusarium, a common root zone disease.
- Red Roma/paste tomatoes ripen in a short period of time, allowing for a large harvest for cooking sauce or making salsa.
- Best grown in-ground with support.

General Information

| Exposure | Bloom Season | Height | Spread | Spacing |
|----------|--|-------------------------|-------------------------|-------------------------|
| Sun | Spring, Late Spring, Summer, Late Summer | 30-36 in. (76-91 cm) | 24-36 in. (61-91 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 |
|--------------------|---|---|---|---|
| Moisture | Level 4 | Level 3-4 | Level 2-3 | Level 2-3 |
| Temperature | 70-75°F (21-24°C) | 68-72°F (20-22°C) | 68-72°F (20-22°C) | 65-68°F (18-20°C) |
| Light | Optional | 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) |
| Fertiliser | 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) |

Fertiliser 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 fertiliser, avoiding overwatering, growing under high light conditions and using DIF when possible. If necessary, uniconazole (Sumagic) at the 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) | Fertiliser | 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

65-70

Crop Scheduling

| 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

Determinate 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



Bellatrix



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