

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

(*Solanum lycopersicum*)

Vegetables Culture (revised 02/02/21)

- Experience the taste of Summer with a perfect balance of sweet and acid from Helix red cherry tomato.
- With early-ripening fruit and high yields, Helix is perfect for fresh eating.
- High resistance to root-zone and foliar diseases, including late blight resistance, will help ensure excellent plant health.
- Best grown in-ground.

### General Information

| Exposure | Bloom Season                             | Height                    | Spread                   | Spacing                 |
|----------|--|---------------------------|--------------------------|-------------------------|
| Sun      | Spring, Late Spring, Summer, Late Summer | 60-84 in.<br>(152-213 cm) | 36-48 in.<br>(91-122 cm) | 18-36 in.<br>(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<br>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<br>(21-24°C)                      | 68-72°F<br>(20-22°C)                      | 68-72°F<br>(20-22°C)                      | 65-68°F<br>(18-20°C)                      |
| <b>Light</b>       | Optional                                  | 1,000-2,500 f.c.<br>(10,800-26,900 Lux)   | 1,000-2,500 f.c.<br>(10,800-26,900 Lux)   | 2,500-5,000 f.c.<br>(26,900-53,800 Lux)   |
| <b>Fertiliser</b>  | Less than 100 ppm N<br>(Less than 0.7 EC) | Less than 100 ppm N<br>(Less than 0.7 EC) | Less than 100 ppm N<br>(Less than 0.7 EC) | Less than 100 ppm N<br>(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 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)        | Fertiliser                                | Daylength |
|--|---------------------------------|---|-----------|
| (day) 65-70°F (18-21°C)<br>(night) 62-65°F (17-18°C) | 5.5-6.2 pH<br>0.75-1.0 mmhos/cm | Less than 100 ppm N<br>(Less than 0.7 EC) | -         |

### Days to Ripe Fruit

50-55

## 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 | -   |
| Field grown         | 1 (ppp)   | 7-8 (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



Helix



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