



Crop	Portulaca
Series	Sunseeker
Botanical name	<i>Portulaca grandiflora</i>
Plant type	Annual
Seed type	Raw & Multi-Pellet
Seed count	10,000 seeds / gr, 500 M-pellets / gr
Germination	22-25 °C - 7 days light favored
Growing	19-24°C
Optimum pH	5.8-6.2

Plug Culture: 3 weeks (405 cell tray)

Stage 1 (days 1–5) Sow the seeds into a plug tray filled with well-drained media with low fertilizer and a pH of 6.0. Sow the seed uncovered since it requires light to germinate. Optimum germination temperature is 22-25°C. Maintain 100% relative humidity until the seed germinates. The photoperiod should be at least 13 hours to achieve proper growth and flowering. Portulaca germinates in 3-5 days.

Stage 2 (days 5-10) After emergence, reduce humidity and lightly feed with 50 ppm of nitrogen using a well-balanced calcium nitrate based fertilizer. Maintain a temperature of 18-24°C.

Note: Portulaca Sunseeker is a facultative short-day plant, meaning that it sets buds quicker under short day conditions. Provide long day conditions (more than 14 hours) in the seedling stage to avoid premature flowering and build sufficient plant body.

Stage 3 (days 11–20) Continue feeding the seedlings at a rate of 100-150 ppm of nitrogen using a balanced fertilizer with micronutrients. Maintain the temperature of 19-24°C and provide strong light to avoid plant stretch.

Stage 4(day 21) The seedlings are now ready for transplanting.

Transplanting to finish: 3-4 weeks

Containers: Portulaca Sunseeker makes an ideal ground cover or a component plant for mixed planters. Ideal for both packs and 10 cm pots.

Media: Choose well-drained sterile medium with good aeration, and a porosity between 5-15%.

Temperature: The optimum production temperature range is 19-24°C. Once planted outdoors, Sunseeker will thrive in hot and dry conditions.

Fertilizer: Portulaca does not require high fertilizer rates. Apply 100 to 150 ppm of nitrogen as needed from a well-balanced calcium nitrate based fertilizer.

Flowering: If the photoperiod is less than 13 hours, Portulaca Sunseeker may flower too quickly. Provide 13 hours of photoperiod and sufficient fertilizer to build strong plants before flowering.

Plant growth regulators: None is required if plants are grown properly and transplanted on schedule.

Garden Site Selection: Portulaca does well in poor soil conditions but will not tolerate poorly drained sites.

Crop Schedule: 10 cm pots: 7-8 weeks from sowing.

All information given is intended for general guidance only and may have to be adjusted to meet individual needs. Cultural details are based on Asian conditions such as in Japan and Sakata cannot be held responsible for any crop damage related to the information given herein. Always follow manufacturer's label instructions. Testing a few plants prior to treating the entire crop is best.