

Helianthus annuus

Pacino®

Gold

Item no.: HA1101R



- Compact pot sunflower
- Different, vibrant yellow color tones
- High quantity of small flowers

Crop Time	Spring: 8 - 10 weeks
Height ☞	13 " / 33 cm
Width ☞	9 " / 23 cm
Flower Size ☞	4 " / 11 cm
Exposure	Sun
Seed Form	Raw Seed
Product Use	Pots, Mixed Containers, Landscape
Family, Origin	Asteraceae, North + Central
Minimum Germ. Rate	85%

TECHNICAL GUIDE

Helianthus annuus Pacino®

Usage

Plants for bedding, attractive pot plants and container plants for patio.

Sow time

March-End July, sowing in intervals

Sowing method

1-2 seeds per plug, can be sown directly into final pot

Germination

5 days at 65-75 °F (18-24 °C). Stage II 70 °F (21 °C). Supplemental lighting during germination and plug production to control seedling stretch is beneficial to overall crop quality. For Stage III & IV reduce temperatures to 62 °F (17 °C), and begin feeding at 100-150 ppm nitrogen.

Growing on

Direct sow seed or transplant at two true leaf stage. Continue feeding at 100 ppm nitrogen weekly. Maintain temperatures above 62 °F (17 °C) for improved branching and overall quality. Fertilize weekly at 200-250 ppm nitrogen. Avoid excessive phosphorus.

Media

Use a well-drained, growing substrate with 15-30 % clay, 1-3 kg/m³ complete balanced fertilizer, 0-2 kg/m³ slow release fertilizer (3-6 months), iron-chelate, micronutrients, pH: 5.5-6.2.

Temperature

Grow at 15-18 °C. Cultivate flowering plants not below 12 °C. Helianthus plants do not tolerate frost.

Fertilization

High fertilization levels are required. Fertilize the crop weekly with 200-250 ppm nitrogen, using a potassium balanced fertilizer (N: K₂O-ratio: 1:1,5). Avoid high ammonium and high nitrogen levels. Prevent magnesium deficiency by applying magnesium sulphate (0,05 %) 1-2 times and in case of iron deficiency apply iron-chelate for 1-2 times.

Expert Tip

Providing short day conditions in the early stages of production will result in a shorter finished plant. Application of growth regulators, B-Nine (daminozide) sprays can delay flowering by up to one week.

Stage I Starts with the radicle breaking through the testa. The roots are touching the medium. Ends with fully developed cotyledons.

Stage II Starts from fully developed cotyledons. Ends with the fully developed true leaf or true leaf pair.

Stage III Starts from the fully developed true leaf or true leaf pair and ends with 80% of the young plants being marketable.

Stage IV All young plants are ready for sale and in the process of being hardened off. This stage lasts about 7 days.

The cultural recommendations are based on results from trials conducted under Central European conditions. Different conditions in other parts of the world may lead to deviations in results achieved.

COLORS OF THE SERIES

Helianthus annuus Pacino®



Cola
HA1102R



Gold
HA1101R



Mix (incl. Lemon)
HA1199R