

Calceolaria

Description

Name: Calceolaria Cultivars

Family: Scrophulariaceae

Varieties: Calynopsis®



Product use

Use: Bedding plant for spring. Early-season annual. Ideal for mixed containers and small pots

Exposure: Full sun

Technical recommendations

Potting date/plants per m²: Potting date from December to early February. Recommended pot size 10,5 to 12 cm. Crop final spacing: 24 plants/m². Calynopsis are ready for sale when the first buds showing colour. At this moment the plants have the best shelf life in transport. For a sale directly to the consumer, the plants need one extra week

Substrate: Use a well-drained, disease-free, soilless medium with a good structure adapted to each pot size. pH 5.8-6.2. As a basic fertilization starter a 1-1,5 g/l compound fertilizers should be in the substrate.

Fertilizer: Start with low concentrations until the roots are well established. Then gradually increase rates using a balanced 3-1-5 NPK with Ca, Mg and micronutrients fertilizer at 0,7-0,9 gr/l in every watering. Avoid using too much Nitrogen; it will result in big leaves.

Temperature: After potting keep temperature up 18-20°C (64-68°F) until roots are well established. Then drop the temperature to minimum 12-13°C (53-55°F) in order to harden the plants, improve plant habit and quality. Lower temperature may delay flower induction.

Watering: Calceolaria is very sensitive to sudden changes in the media moisture. Avoid drying out or overwatering the substrate as this will affect plant quality and finishing time. "Keep constantly moist" means watering the plants just before substrate becomes dry.

Light levels: for winter production the best quality is achieved under full sun conditions or under greenhouse with light conditions (40- 50 Klux). Provide cool temperatures and short days during bulking period. Provide long days (night interrupt) and cool to moderate temperatures for flower induction.

Pinch: not required

Growth regulation: Normally not required. Calceolaria is responsive to Daminozide (Dazide/Alar/B-nine) and Cloromequat (Cycocel). First application should be done about 7-10 days after sticking, second when needed. These recommendations for plant growth regulators should be used only as general guidelines.

Cultural recommendation

Technical recommendations

Growers must trial all PGR under their conditions and follow the registration uses of each chemical in their country. The use of “Cool Morning” treatments will improve plant quality and control the growth during the last growing stages. Lower the temperature by 6-8 °C (43-46°F), 2 hours before sunrise until 2-3 hours after sunrise.

Pest and Diseases: Calceolaria is mainly sensitive to whiteflies, aphids and mites. Start with clean material a well disinfected facilities together with a proper pest management program using different control strategies: exclusion, monitoring, biological and chemical control, are the best tools to control these pests.

Calceolaria is sensitive to several diseases like, Rhizoctonia, Pythium, Botrytis and Phytophthora. Avoid overhead and excessive watering around flowering to prevent botrytis. Disease management should be addressed by sanitation strategies, environmental conditions control, biological and chemical control. For the chemical control, follow the registration uses of each product in each region

Crop schedule * 12 cm pot

Winter Production*

Week	1	2	3	4	5	6	7	8	9	10	11	12
	P										F	F

P: Potting.. F: Finish plant

* This is a reference time schedule that can vary depending on the variety, growing conditions and region. Starting from RC.

NOTE: Growers should use the information presented here as guidelines only. Selecta One 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 read and follow all the current label directions relating to the products. Nothing herein shall be deemed a warranty or guaranty by Selecta One of any products listed herein