

# Cultural recommendation

## Verbena

### Description

**Name:** Verbena cultivars  
**Family:** Verbenaceae  
**Series:** Drums<sup>®</sup>, Lascar<sup>®</sup>, Blues<sup>®</sup>



### Product use

**Use:** Bedding and balcony plant  
**Exposure:** Full sun – half shaded

### Technical recommendations

#### Potting and Spacing:

Series	Recommended pot size	Potting week	Spacing plants/m <sup>2</sup>
Lascar	T 10,5- 12	3-12	20-25
Blues	T 10,5- 12	3-12	25-30
Drums	T 10,5 -12	3-12	30-35

**Substrate:** Use a well-drained, disease-free, soilless medium with a good structure and pH 5.8-6.2.

**Fertilizer:** Start feeding when first roots become visible. Use a balanced 1-0,5-1,5 + Ca+Mg fertilizer at 1-1,2 gr/l in every watering.

**Temperature:** First 2 weeks keep night temperature > 16°C (62°F) until the crop is well established. Then nights: 11 to 17°C (52 to 62°F) Day temperature: 14 to 24°C (58 to 75°F). Cooler temperatures can be used to help control growth and tone the plants at the end of the crop. Higher than recommended temperatures will cause stretch, weak stems and soft plants

**Water:** Media should be allowed to moderately dry between irrigations to prevent diseases and promote stronger growth. Don't let Verbenas get extremely dry since this can cause leaf chlorosis, necrosis, and loss of flowers

**Light:** Keep light intensities at 50 to 65 Klux. Low light levels promote stem stretch and reduced plant quality. During winter-spring time a high light exposure during the short days period and under medium-low temperatures leads to better branching and early flowering. Verbena series Lascar and Blues are a long day plant.

**Pinching:** 1-2 times depending on the pot size; except the Drums-series, that should not be pinched!

## Technical recommendations

**Growth regulation:** Using the “Cool morning pulse” at the beginning of the growing/flowering time reducing the greenhouse temperature to 8°C (46°F) for 2- 3 hours at dawn, will help to reduce plant height and keep compact plants. Providing cool temperatures, high light and keeping the media on the dry side, will also help to prevent the stretch.

**PGR's:** Verbena are responsive to Daminozide (Dazide/Alar/B-nine), avoid using it on the most compact varieties, especially the Drums-varieties that should not get PGR- treatments at all! These recommendations for plant growth regulators should be used only as general guidelines. Growers must trial all PGR under their conditions and follow the registration uses of each chemical in their country.

**Pest and diseases:** Verbenas are sensitive to various pest under greenhouse conditions. Whiteflies, aphids, thrips and spider mites are the most common pest of Verbenas. 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.

Verbenas are also sensitive to several diseases like, Mildew, Pythium, Botrytis and several viruses. 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 country.

## Crop schedule \* 10,5 cm pot

### Spring production:

Week	1	2	3	4	5	6	7	8	9
North	P	Pi*						F	F
South	P	Pi*					F	F	

### Winter Production:

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

P: Potting. Pi\* Pinch ( *except the Drums- series, that should not be pinched!*) F: Finish plant

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

\*\* South, winter production is possible under frost free conditions

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## Crop schedule \* 12-13 cm pot

### Spring production:

Week	1	2	3	4	5	6	7	8	9	10	11	12
North	P	Pi*									F	F
South	P	Pi*								F	F	

### Winter Production:

Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14
South**	P	Pi*											F	F

P: Potting. Pi\* Pinch (except *Drums series, that should not be pinched!*) F: Finish plant

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

\*\* South, winter production is possible under frost free conditions

**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