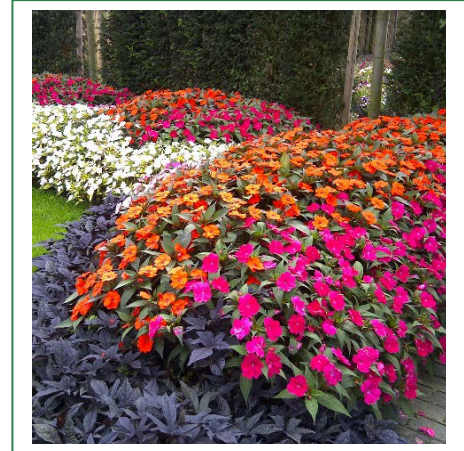


# Impatiens x hybrida hort

## SunPatiens® Vigorous



SunPatiens® Vigorous is the SunPatiens® series most used for landscape and mass plantings. Constant development in these genetics has led to better control of the ratio between vigour and plant habit, so that the new generation of Vigorous SunPatiens is strong, well branched and with well-controlled vigour, even in warmer climates. Vigorous SunPatiens® are recommended for use in (mass) beds and large containers, and are ideal for economical, long-lasting ground cover.



Annual



Cuttings



Patio, bedding,  
mix containers,  
hanging baskets



Mounding



60-100 cm



Full sun - half shade



60-85 cm



14-18 cm

## Culture Guide

### Propagation

Propagation takes 2.5-3 weeks. Stick cuttings in pre-moistened rooting media with a pH of 5.8-6.2. Use media with good drainage. Maintain temperatures at 18-20°C. SunPatiens is easy and roots fast. Therefore rooting hormone should not be required. Start to harden off the young plants 10-12 days after roots emerged. This will avoid stretching. Ideally, lower the temperature and increase light levels too ensure compact well branched young plants. Allow the young plants to dry down somewhat between irrigations. If needed, apply PGR, such as Alar.

### Pack & Pot Culture

#### In general

SunPatiens root quickly and should be ready to transplant around 3 weeks after sticking, depending on the plug size used. Do not delay transplanting as SunPatiens are strong growers and this will result in undesirable stretching. Do not grow SunPatiens in the shade. SunPatiens should be grown under full sun and high light. Once established SunPatiens are best grown at an average day temperature of 14°C.

#### Media

Transplant in a well aerated media. Optimum pH for SunPatiens is 5.8-6.3 and starting with an EC at 0.75 ms (1:2 slurry).

#### Temperature

SunPatiens can be grown across a wide range of temperatures from 13-28°C. Lower temperatures will help keep plants compact and also increase flower size. When plants established it is recommended to grow SunPatiens at a day temperature of 14-15°C. This will benefit a compact plant habit and flower quality, including the flower size. Recent research at Sächsisches Landesamt für Umwelt, Landwirtschaft und Geologie (LfULG) in Dresden, a wide range of Impatiens New Guinea - including SunPatiens - was grown at two different growing conditions, one with an average day temperature of 14°C and the other at an average temperature of 19°C. All SunPatiens varieties in the test scored higher in overall impression at 14°C compared to plants grown at 19°C.

#### Fertilizer

Allow the media to dry down a little between irrigations. Keeping plants on the dry side will contribute to compact and strong plant habits. Feed with a complete balanced fertilizer at 100-150 ppm nitrogen (calcium nitrate-based) at constant liquid feed. While SunPatiens can tolerate higher fertilizer rates than traditional NGI, they do not need high amount of fertilizer. Monitor EC level, ideal is 1.2 to 1.5 (1:2 slurry).

#### Lighting

SunPatiens is best grown under full light and should never be grown under shade, also avoid growing below hanging basket lines as lower light levels will reduce the number of flowers and increase internode stretch.

<b>Growth regulators</b>	With ideal culture controls (high light, water stress, low temperature and spacing on time), SunPatiens can be grown without using PGRs. If chemical growth regulation is needed, Alar can be applied.
<b>Pests &amp; diseases</b>	Susceptible to Botrytis.
<b>Crop schedule</b>	<p>Production time for SunPatiens is dependable on the culture and temperature regime chosen. Expect a production time of 12-13 weeks when plants are grown at 14-15°C. Space plants when foliage begin to touch neighbouring plants. Do not delay spacing. SunPatiens are vigorous growers and delay will easily result in stretched plants with thin stems.</p> <p>Space Recommendation:</p> <p>14 cm: 20-26 plants/m<sup>2</sup></p> <p>18 cm: 16-20 plants/m<sup>2</sup></p>

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*All information given is intended for general guidance only and is believed to be accurate. Cultural details are based on Northern Hemisphere conditions and Sakata cannot be held responsible for any crop damage related to the information given herein. Application of recommended growth regulators and chemicals are subject to local legislations and manufacturer's label instructions.*