











# Primula acaulis F1

## Danique

Danique is an all-new series representing the next generation of mid-early Primula, designed to meet future market requirements. Danique series has more natural compactness and therefore requires less PGR's. Danique genetics have furthermore excellent characteristics across all features and offer the quality and reliability of Sakata's well-renowned and trusted Primula breeding. The brightly coloured flowers are large and, beautifully shaped, on a compact but strong plant.



 Biennial	 Pot Plant
 Indoor + bedding + patio + mixed combo	 Half-shade & full Sun
 Round shaped	 1,100/gram;
 15cm	 Normal
 20cm	 9-12cm pot

## Culture Guide

### Plug Culture

**Stage 1** (days 1-14) Select a sterile substrate containing a high amount of organic matter and a pH between 6.0-6.5. Primula seed requires light for germination but a light cover of vermiculite is recommended to maintain sufficient moisture. Optimum germination temperature is 15°C. Maintain high humidity levels and if needed place the flats in a germination chamber or shaded greenhouse to provide cool conditions.

**Stage 2** (days 15-29) When the cotyledons are fully expanded, lower the humidity levels but do not allow the plants to dry out. A light mist 2-3 times per day is beneficial. Primula plants are very sensitive and the leaves can easily burn in strong light (>3,000 foot candles/32,000 lux). A light shade is recommended to protect the plugs from intense sunshine. During periods of high temperatures the plants grow very slowly. Fertilize with 50-75 ppm of Nitrogen to strengthen the plants. Select a well-balanced calcium nitrate based fertilizer to produce strong and healthy seedlings.

**Stage 3** (days 30-48) The first true leaves have formed. For high quality plugs it is necessary to maintain cool temperatures and sufficient humidity. Fertilize the plants with 100 ppm N as needed to maintain E.C. levels around 1.0 mmhos (2:1 slurry).

**Stage 4** (days 49-56) The plants have 3-4 true leaves and are now ready for transplanting. Applying 200 ppm N a week before transplanting helps the plants make the transition from the plug tray to the final container.

### Pack & pot culture

**In general** Danique can be cultivated in various pot sizes from 9-12 cm. Long Term Seed Storage: Unopened seed

packets may be stored in a freezer at 20°C for up to 12 months with good shelf life. When you are ready to use frozen seed please place the packet in a refrigerator at 5°C or in a cool room for 24 hours first to allow the seed to thaw and the temperature to equalize to avoid moisture forming on the seed or inside the seed packet.

- Media** Use a well-drained sterile media. Optimum pH is between 6.0-6.5.
- Transplanting** Transplant plugs into pots using a well-drained sterile media. Optimum pH is between 6.0-6.5. A maximum of 32,000 lux is recommended for Primula production.
- Temperature** After potting, a temperature of 15°C is recommended until the plants are well established. The temperature should not drop below 8°C until plants are established. To initiate flowering, drop the temperature to 7-10°C for 7 weeks.
- Fertilizer** A well-balanced calcium nitrate based formulation is recommended. Apply 100-150 ppm N as necessary to maintain an E.C. between 1.0-1.2 mmhos (1:2 slurry).
- Lighting** Supply a light level at 27,000-32,000 lux. Do not exceed 32,000 lux as higher light levels cause leaf damage.
- Growth Regulators** In general, Primula growth is controlled with cool temperatures and restricting fertilizer. If necessary, the following chemical growth regulators are effective. Do not apply below 5°C. To avoid over-regulation, multiple applications at lower rates is best. Do not apply after flower bud set.  
-Alar (daminozide) at 0.25-0.5%/2,500-5,000 ppm
- Pests & Diseases:** Primula requires cool conditions and high humidity to produce high quality plants which favour the development of Botrytis. Good sanitation, watering early in the day and good air movement helps control and prevent this disease.

**Crop schedule:** **Flowering periods per area:**

		October	November	December	January	February	March
North Western Europe	Danessa	yes	x	x	x	x	x
	Dania	x	yes	yes	yes	x	x
	<b>Danique</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>yes</b>	<b>yes</b>	<b>x</b>
	Danova	x	x	x	yes	yes	x
	Daniella	x	x	x	x	yes	yes
	SuperNova	yes	yes	x	yes	yes	yes
Southern Europe	Danessa	x	yes	yes	x	x	x
	Dania	x	x	yes	yes	x	x
	<b>Danique</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>yes</b>	<b>yes</b>	<b>x</b>
	Danova	x	x	x	yes	yes	x
	Daniella	x	x	x	x	yes	x
	SuperNova	x	yes	yes	x	yes	yes
Eastern Europe	Danessa	x	x	x	x	x	x
	Dania	x	x	yes	yes	x	x
	<b>Danique</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>yes</b>	<b>yes</b>	<b>x</b>
	Danova	x	x	x	yes	yes	x
	Daniella	x	x	x	x	yes	yes
	SuperNova	x	x	x	x	yes	yes

*Disclaimer*

*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.*

*Any advice or opinions provided in this document or otherwise are for informational purposes only and should not be considered as professional advice of any kind. Unless explicitly agreed otherwise in writing, any such information or advice is given on an as-is basis and neither the sender nor Sakata Ornamentals Europe & Sakata Holland BV makes any representations or warranties, express or implied, about the completeness, accuracy, reliability, or suitability of the information provided. Sakata Ornamentals Europe & Sakata Holland BV disclaims any liability for direct, indirect, or consequential damages arising from the use, reliance, or interpretation of any advice or information provided in this document or otherwise. You are in all cases responsible for assessing whether the information and/or advice provided to you through this document or otherwise is suitable for the specific circumstances.*