

Catch the Spirit

Begonia boliviensis SANTA CRUZ Sunset

NEW!



Begonia boliviensis SANTA CRUZ Sunset



- Excellent seed quality
> 85 % usable plants
- Competitive, cost-efficient alternative to cutting raised varieties
No royalties – High value for money
- Compact, upright habit during production, fast bench runner
Economic production and shipping costs
- Drought and rain tolerant, thrives in full sun and shade
Low maintenance crop
- Abundance of fiery bright red-orange, bell-shaped flowers
Increased impulse sales
- Available as pellets only



Benary
www.benary.com
www.benary.de

SANTA CRUZ Sunset

Technical Information

Uses: Annual – Ideal for hanging baskets, containers and garden landscape

Exposure: Full sun – partial shade

Garden height: 12-16" (30-40 cm)

Garden width: 16-20" (40-50 cm)

Crop time: Plug crop: 7-8 weeks

Transplant to finish: 7-8 weeks (from 288 tray)

Total crop time: 14-16 weeks

10" (25 cm) basket: 8-10 weeks, with 3-5 plugs

Seed form: Pelleted seed

Excellent seed quality: 85 % usable plants.

Sowing method: 1 seed per pellet. 288 tray recommended

Germination:

Stage I: 7-14 days at 70-73 °F (21-23 °C) and relative humidity of 95 %. Maintain high moisture. Light germinator, do not cover pellets. Additional light (50 W/m²) accelerates germination and improves quality of the seedlings

Stage II: 7-14 days at 68-70 °F (20-21 °C). Continue long day lighting (14 h) and avoid saturated or dry media, lower humidity levels. Water temperature should be 64 °F (18 °C)

Stage III-IV: 28-42 days at 64-68 °F (18-20 °C)

Sowing media: Use a well-drained, growing substrate with 15-30 % clay, 0-20 % perlite, 1-2 kg/m² complete balanced fertilizer, iron-chelate, micronutrients, pH 5.5-6.2.

Plug culture: From Stage II reduce the moisture, but the plug should not dry and cultivate under long day (14 h). Do not let soluble salt level rise above 0,5 EC. The roots are sensitive to high salt levels in substrates. Start fertilization at 50 ppm nitrogen in a well balanced formula. During Stage III and Stage IV fertilization levels can be increased up to 150-200 ppm.

Growing on: 7-8 weeks after sowing transplant 1 plant into pot: 4-5" (10,5-12 cm).

Media: Use a well-drained, growing substrate with 20-30 % clay, 1-1,5 kg/m³ complete balanced fertilizer, 0-2 kg/m³ slow release fertilizer (3-6 months), iron-chelate, micronutrients, pH 5.5-6.0.

Temperature: Grow at 60-64 °F (16-18 °C). 10 days before selling temperature can be decreased to 60 °F (16 °C). Temperatures below 57 °F (14 °C) will result in tuber formation and crop delay.

Fertilization: Moderate fertilization levels are required. Fertilize weekly with 150-200 ppm nitrogen, using a complete and potassium balanced fertilizer (N:K₂O-ratio: 1:1,5). Keep low ammonium levels, otherwise the roots become damaged. At high nitrogen levels the foliage can become very big. Avoid pH above 6.5, as high pH causes iron deficiency. Apply chelated iron, if chlorosis becomes a problem. To prevent magnesium deficiency apply magnesium sulphate (0,025 %) 1-2 times. Additional foliage fertilization with potassium supports compact plant growth and provides a dark green foliage color. Avoid high soluble salts in the soil.

Light: Long day plant. Long day (14-16 h) is necessary for flower initiation. In winter assimilation light is recommended for good plant development and quality and will shorten crop time.

Plant treatment: If needed, Cycocel treatments 2 weeks after transplanting with 0.04 %.

Cultural hints: Before selling harden the plants at 64 °F (16 °C) and UV light. Keep sufficient distance between plants in greenhouse. Do not cultivate too wet, because roots are sensitive. Avoid high relative humidity in greenhouse. Check plants for Powdery Mildew and treat appropriately.

Crop time

Plug crop	7-8 weeks
Transplant to finish 4-5" (10,5-12 cm) pot	7-8 weeks (from 288 tray)
Total crop time	14-16 weeks
10" (25 cm) basket	8-10 weeks, with 3-5 plugs



Ernst Benary Samenzucht GmbH

Friedrich-Benary-Weg 1
34346 Hann. Münden, Germany
Phone: +49 (0) 5541 7009-0
Fax: +49 (0) 5541 7009-20
E-Mail: info@benary.de

Ernst Benary of America, Inc.

2759 Wagner Court, Suite C
DeKalb, IL 60115-8609, USA
Phone: 815 756 4546
Fax: 815 756 9128
E-Mail: info@benary.com



Benary
www.benary.com
www.benary.de