

Rudbeckia Sunbeckia Culture Clinic



Subjects



**Details to the
Rudbeckia
Sunbeckia**



**Young plant
production**

Tissue Culture
Rooting



**Growing the
finished product**

Transplanting
PGR
The finished product



Varieties



Questions



Tissue Culture Stage III



Starting from TC Stage 3

- ▶ Receiving
- ▶ Standard lighting
- ▶ 54°F for storing
- ▶ Suggested transplanting in 72 cell tray or similar
- ▶ Note: Breeder is using 40 cell tray

- ▶ Temperature
 - ▶ 68° average day/night
 - ▶ Plastic tunnel for climate control
 - ▶ RH about 85-90%

- ▶ Media
 - ▶ Standard propagation mix

Standard Propagation Area



Rooting Liners

- Allow approximately 6 weeks from sticking to rooted.





Transplanting

- ▶ Remove liner carefully from trays so as to not damage roots.
- ▶ Plant liner even with soil line when transplanting.
- ▶ Keep soil surface of liner level with surface of finished pot.

Growing Media

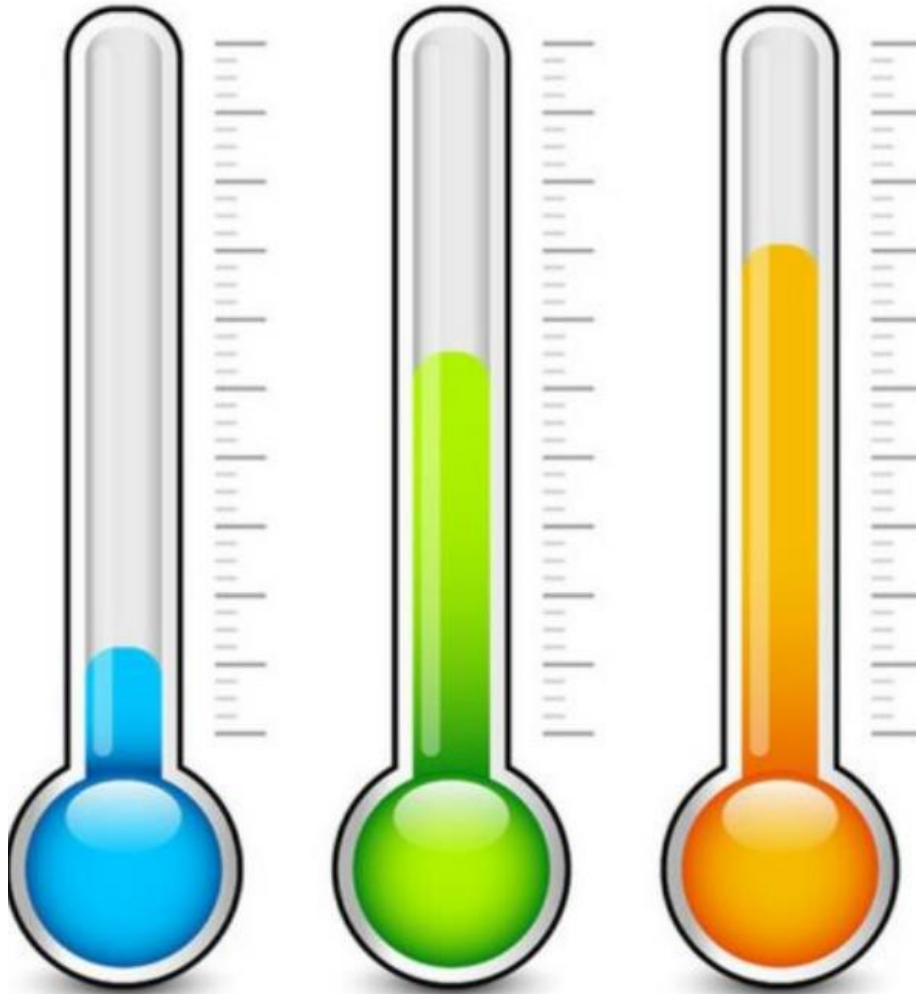


- ▶ Suggested to plant into a well-drained soil mix which contains coarse components for good drainage.
- ▶ pH 5.5 - 6.0



Container Sizes and Crop Times

- ▶ Gallon/6" - 1ppp. 8-10 weeks from transplant.
- ▶ 8" - 1ppp. 10-11 weeks from transplant.
- ▶ .



Temperature & Light Requirements

- ▶ Day Temperature: 60-64°F (15-18°C)
- ▶ Night Temperature: 50-55°F (10-13°C)
- ▶ Vernalization is not required for flowering.
- ▶ Long Days (12+ hours) are required for flowering the Sunbeekia.



Water & Feed

- ▶ Rudbeckia Sunbeckia should be growing using a well balanced fertilizer (15-15-15 or similar) approximately once a week.
- ▶ Calcium nitrate can help with growth if plants are too small. 200-250ppm N is suggested.
- ▶ It is important to maintain consistent moisture in the soil. Overhead irrigation or drip irrigation is best.



Growth Regulators

- ▶ PGR can be applied when the bottom shoots start to stretch.
- ▶ When the flower buds are visible and stems start to stretch B-Nine is beneficial and can be applied approximately 4-5 weeks after transplant.
- ▶ If needed, Bonzi in the later weeks can be applied.
- ▶ ****Picture is 5 weeks after transplant**

Pests & Diseases

- ▶ Mites
- ▶ Thrips
- ▶ Aphids
- ▶ Botrytis
- ▶ Pythium
- ▶ Phytophthora



1 week after transplant



4 weeks after transplant and spacing

6-8 plants /10 square feet



Developed root system



Crop timing photos

7 weeks after planting



9 weeks after planting



Finished Sunbeckia



Hartwig with Ophelia



Shipping

Packing in the field



Easy to Ship on Racks



Sunbeckia

Sophia



Alicia



Olivia



Sunbeckia

Ophelia



Juliana



Paulina



Sunbeckia

Victoria



Carolina



Maya



Sunbeckia

Luna



Mia



Laura



Thank you!



BULL
Plant Genetics