

### License for propagation is required

#### Propagation

**CELL FLAT SIZE:** 128, 72 cell.

**MEDIA:** Propagation media with high porosity and water-holding capacity. Should not contain bark or slow-release fertilizer.

**PROPAGATION AIR TEMPERATURE:** 70°F (21°C) once out of propagation, but not after transplant.

**HORMONE:** IBA Soluble Salts spray at 1000 ppm within 24 hours of stick.

**Fertilizer:** Once rooting begins, fertilize with 50 to 100 ppm nitrogen once a week.

**COMMON PROPAGATION PESTS:** Fungus gnat larvae.

**COMMON PROPAGATION DISEASES:** None seen.

**CUTTING HANDLING:** Recommend application of a broad-spectrum fungicide drench and fungus gnat larvaecide within 24 hours of stick. Before using any pesticides, be sure they are registered for use. Follow label directions. The label is the law.

**PINCHING:** Pinch once in cell flat.

**WEEKS IN PROPAGATION:** About 2 to 3 weeks.

**GENERAL MIST SCHEDULE:** Place cuttings on a high mist until they callus. Then move to moderate mist until rooting begins. Rooting should begin in about 15 to 20 days after stick. Once rooting begins, move to a low mist until rooted out.

**WEEKS TO READY:** 8 weeks

#### TRANSPLANT LINERS

**POT SIZE:** Transplant liner into 1-gallon (4 litre) pot with one cell per pot.

**MEDIA:** Porous soil with good drainage.

**VERNALIZATION TRIALS:** Vernalization trials

#### VARIETY FEATURES

- Striking flower color – purple buds open to peach flowers that mature to pink and purple.
- Long blooming and heat tolerant
- UGA 2009 City Classic Award
- Made Dallas Arboretum Approved list 2008 and 2009
- From Roger Hanley, Wales



are executed by placing cell flats in a cold greenhouse set at 38°F (3°C). Fluctuations in temperature occur based on natural day and nighttime temperatures in Lancaster, PA, USA.

**VERNALIZATION TRIAL RESULTS:** Vernalization is highly beneficial for flowering. Vernalization increases the quantity of flowers and decreases weeks to flower. Liners that were transplanted after 10 weeks of vernalization flowered well in 6 weeks after transplant. Liners that were transplanted after 5 weeks of vernalization flowered well in 8 weeks after transplant. Liners that were transplanted with no vernalization flowered in 9 weeks after transplant but flower canopy was compromised.

## GROWING ON

**MEDIA pH:** Optimum not tested. Standard for 1-gallon (4 litre) pot is 5.5 to 6.5.

**MEDIA EC:** Optimum not tested. Standard for 1-gallon (4 litre) pot is 1.5 to 3.

**MOISTURE:** Can grow on the dryer side. Fertilizer: While actively growing, plants perform well with a constant liquid feed of 100 to 150 ppm nitrogen.

Supplemental Lighting: Not necessary

**TEMPERATURE:** If finishing in the greenhouse, heat set at 68°F (20°C) night temperature with venting at 72°F (22°F) is sufficient.

**COMMON PESTS:** Aphids

**COMMON DISEASES:** None seen

Pinching: Not needed

**GROWTH REGULATORS:** Not necessary unless holding in 6-inch (15 cm) pot. Not trialed.

## SCHEDULING RECOMMENDATIONS

Plant vernalized 72-cell liners for flowering plants in 6 to 8 weeks.

## CONTAINER STATISTICS:

**LIGHT:** Full sun

**CONTAINER HEIGHT:** 20 inches (51 cm)

**USDA HARDINESS ZONE:** 7 to 9

## GARDEN STATISTICS:

**LIGHT:** Full sun

**HEIGHT:** 20 to 24 inches (51 to 61 cm)

**WIDTH:** 24 inches (61 cm)

**USDA HARDINESS ZONE:** 7 to 9



*Erysimum 'Jenny Brook'* from left to right: 10 weeks of vernalization, 5 weeks of vernalization, 0 weeks of vernalization. Photo taken 8 weeks after transplant.



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