

2017 Easter Lily Production

RootShield Application Schedule

Easter this year is on April 16th. The mid-month date allows for adequate time to complete all the necessary steps without cutting corners. Below is a schedule for RootShield[®] treatment for your bulbs that will help. Protection of the stem root system is essential for optimal plant growth and development. For years growers have had excellent success protecting their Easter lilies from *Pythium*, *Rhizoctonia* and *Thielaviopsis*. RootShield *PLUS*⁺ is an option for controlling *Phytophthora* Root Rot and more complete suppression of *Fusarium* diseases with its additional modes of action. **The result? A more robust basal root system and healthier plants.**



Left: Untreated bulb - *Rhizoctonia* damage
Right: Treated with RootShield – Healthy roots, better growth, cleaner bulb

POT COOLED

October:

Option 1: Dust or dip bulbs with RootShield WP or RootShield *PLUS*⁺ WP before planting.

Dip: 8 oz/20 gallons

Dust: ½ - 1 lb/100 lb of bulbs

Option 2: Pot up bulbs in media with RootShield Granules at 1.25 lb/cu yd or RootShield *PLUS* Granules incorporated 2.0 lb/cu. yd.

Option 3: Drench with RootShield WP at 4 oz/100 gal or RootShield *PLUS*⁺ WP at 6 oz/100 gal after planting. Then allow bulbs to grow at 60° - 62° F for up to 3 weeks for rooting before vernalization.

November:

Cool bulbs at 40° - 45°F for 6 weeks to satisfy the vernalization requirement.

December:

Begin forcing lilies in greenhouses no later than 14 weeks before Easter. Pull from the cooler and drench with 4 oz/100gal of RootShield WP or 6 oz/100 gal RootShield *PLUS*⁺ WP if not already treated.

February:

To continue protection, re-treat with a drench of RootShield WP at 2 oz/100 gal or RootShield *PLUS*⁺ WP at 6 oz/100 gal.

Mid-February:

Flower buds should be visible on most plants 6 weeks ahead to be ready for Easter.

CASE COOLED

December:

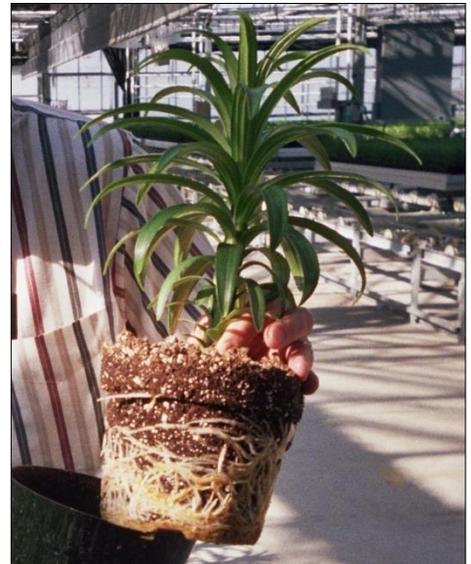
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Addition Notes

Soil Temperatures

- Storage conditions for the cooling period (vernalization) will not harm the active fungal ingredient, *Trichoderma harzianum* hybrid strain T22, found in RootShield

Watering and Leaching

- Heavy watering increases the risk of root disease problems, and should be avoided
- Watering will not leach RootShield away from the crop's root zone
- It will continue to grow on the roots as it expands through the growing media for up to three months