



## PRODUCTION SCHEDULE: ROOTSHIELD<sup>®</sup>

### EASTER LILY BULBS

Below are schedules for RootShield treatments for your bulbs that will protect the stem root system for optimal plant growth and development. For years, growers have had excellent success protecting their Easter lilies from *Pythium*, *Rhizoctonia* and *Thielaviopsis*. RootShield PLUS<sup>+</sup> provides added control of *Phytophthora* Root Rot and more complete suppression of *Fusarium* diseases with its dual active ingredients. The result? A robust basal root system and healthier plants.



LEFT: UNTREATED BULB-RHIZOCTONIA DAMAGE; RIGHT: TREATED WITH ROOTSHIELD-HEALTHY ROOTS, BETTER GROWTH, CLEANER BULB

#### POT COOLED\*

##### Mid-October/Early November

- + Option 1:
  - + Cool bulbs at 40 °-45 °F for 6 weeks to satisfy the vernalization requirement
  - + Dust or dip bulbs with RootShield WP or RootShield PLUS<sup>+</sup> 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<sup>+</sup> Granules incorporated at 2.0 lb/cu yd
- + Option 3:
  - + Drench with RootShield WP at 4 oz/100 gal or RootShield PLUS<sup>+</sup> WP at 6 oz/100 gal after planting
  - + Allow bulbs to grow at 60 °-62 °F for up to 3 weeks for rooting before vernalization  
Then cool at 40 °-45 °F for 6 weeks

##### Mid-Late 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<sup>+</sup> WP if not already treated

##### Early February

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

##### Late February

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

\*Suggested dates are subject to change depending on required ship dates for the Easter holiday. To program crops correctly, first determine finish dates.



## PRODUCTION SCHEDULE: ROOTSHIELD®

### EASTER LILY BULBS

#### CASE COOLED\*

##### December

- + **Option 1:**
  - + Dust or dip bulbs with RootShield WP or RootShield PLUS<sup>®</sup> WP before planting
  - + Dip: 8 oz/20 gal
  - + Dust: ½-1 lb/100 lbs of bulbs
- + **Option 2:**
  - + Pot up bulbs in media with RootShield Granules at 1.25 lb/cu yd or RootShield PLUS<sup>®</sup> Granules incorporated 2.0 lb/cu yd
- + **Option 3:**
  - + Drench with RootShield WP at 2 oz/100 gal or RootShield PLUS<sup>®</sup> WP at 6 oz/100 gal after planting
  - + Begin forcing lilies in greenhouses no later than 17 weeks before Easter



##### Early February

- + To continue protection, re-treat with a drench of RootShield WP at 4 oz/100 gal or RootShield PLUS<sup>®</sup> WP at 6 oz/100 gal

##### Late February

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

\*Suggested dates are subject to change depending on required ship dates for the Easter holiday. To program crops correctly, first determine finish dates.

#### ADDITIONAL NOTES

##### Soil Temperatures

- + Storage conditions for the cooling period (vernalization) will not harm the active fungal ingredients in RootShield (*Trichoderma harzianum* strain T-22), or in RootShield PLUS<sup>®</sup> (T-22 plus *Trichoderma virens* strain G-41)

##### Water 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
- + RootShield will grow on the roots as it expands through the growing media for up to 3 months

Refer to product labels for complete application details. Additional technical information is available at [bioworksinc.com](http://bioworksinc.com) or from your BioWorks technical sales representative. BotryStop<sup>®</sup> WP is a trademark of BioWorks, Inc. Always read and follow label directions.

#### GOING ABOVE AND BEYOND

At BioWorks, we not only help eradicate harmful diseases and pests that threaten your crops, but we design and support integrated plant health management programs. And because we know how quickly some diseases can work, we respond to any questions you might have in just 48 hours. So you can get back to the business of successful growing.



**BioWorks**<sup>®</sup>  
A MEMBER OF BIOBEST GROUP

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