

For Control of Texas Root Rot/Cotton Root Rot  
(*Phymatotrichopsis omnivora*) in Texas Grapes

Registered for use in TX under a  
State 24c Special Local Needs  
Label

### CONTROL OF TEXAS ROOT ROT (Cotton Root Rot) IN GRAPES

#### TOPGUARD® Terra Fungicide Benefits

- Season long control
- Apply in single or split applications
- Extremely active on *Phymatotrichopsis* fungus which is responsible for Texas Root Rot disease
- Allows successful vineyard establishment in areas infested with root rot fungus
- Increases vineyard productivity and reduces cost by eliminating or diminishing the number of vines needing to be replaced each year

RATE OF APPLICATION	
Rate fl oz per Acre	Pounds active Ingredient per Acre
7.6 – 15.3	0.25 – 0.5

#### DIRECTIONS FOR USE THROUGH DRIP IRRIGATION

Apply at recommended use rates through above-ground drip irrigation system as outlined in **USE DIRECTIONS** section of the Section 24c Label. Irrigation system must be configured with at least one emitter within 8" of vine trunk.

#### **APPLICATION RATE**

Apply TOPGUARD Terra fungicide in a single application at 15.3 fl oz per acre or in a split of two applications of 7.6 fl oz per acre each. Do not apply more than 15.3 fl oz per year.

#### **APPLICATION TIMING**

Make initial application between 30 to 60 days after bud break. If a split application is desired, make second application no closer than 45 days after first application but not within 14 days of harvest. The second application may be applied postharvest to manage late season disease.



Texas root rot symptoms show rapid death of vines in late season. Death is usually so rapid, desiccated leaves remain on the vine.

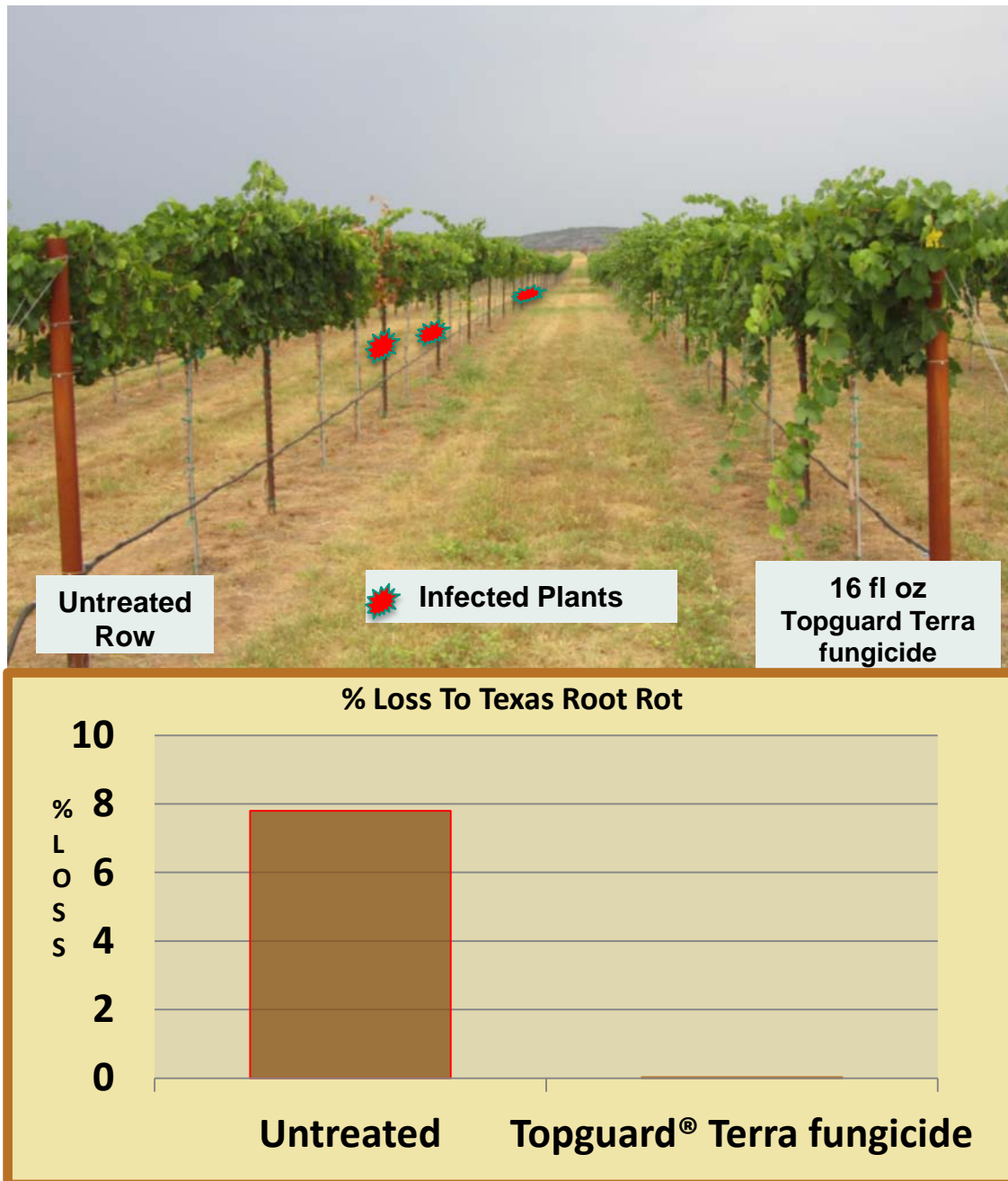


**Healthy vines after treating with Topguard Terra fungicide.**

# Evaluation of Texas Root Rot Control in Grapes with Topguard® Terra fungicide - K.L. Smith, D.N. Appel, and S. McBride

Abstract: 3,540 individual vines were included in a single study near Burnet, TX with 1,180 vines being left untreated, 1,180 received the equivalent of 8 fl oz per acre Topguard Terra fungicide, and 1,180 received the equivalent of 16 fl oz per acre Topguard Terra fungicide. Treated and untreated rows were randomized throughout the vineyard.

Only 7 plants that received Topguard Terra fungicide at either rate died from root rot infection. Of the 1180 untreated plants, 92 died from root rot. This accounts for nearly 8 percent loss in a single year.



Always read and follow directions. The State Section 24c Label for this use must be in possession of user at time of application. FMC and Topguard are trademarks of FMC Corporation or an affiliate. ©2016 FMC Corporation. All rights reserved. 01/16