

ZELTO® + PHOSPHITE

Pythium blight university study

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Trial objective

To determine the efficacy of Zelto® fungicide in combination with a phosphite for controlling *Pythium* blight, primarily *Pythium aphanidermatum*, on seeded perennial ryegrass (*Lolium perenne*).

Materials and methods

- Trial was initiated on June 24, 2021, and concluded August 19, 2021.
- Treatments were applied on a 14-day interval.
- The plots included 3 x 5' treatment blocks with 1' of untreated border separating each plot.
- Disease infestation was evaluated on a 0-100% scale, with 0 being no disease present, 100 being total infestation in the plot.
- Turf quality was also recorded and evaluated on a 1-9 scale, with 9 being best quality and 6 being minimum acceptable quality.

Trial results and conclusions

- Zelto alone provided 40% control.
- Zelto mixed with a phosphite provided over 90% control of *Pythium*. This tank mix provided a statistically significant reduction of *Pythium* compared to the untreated control.
- This treatment provided better control during highest levels of *Pythium* infestation compared to industry standards.

FIFRA 2(ee) Recommendation

A FIFRA 2(ee) recommendation has been issued for the use of Zelto fungicide to control *Pythium* blight in turfgrass, under the following directions:

Application method:

Foliar (ground application) in a minimum of 65 gallons of water per acre or 1.5 gallons of water per 1,000 square feet

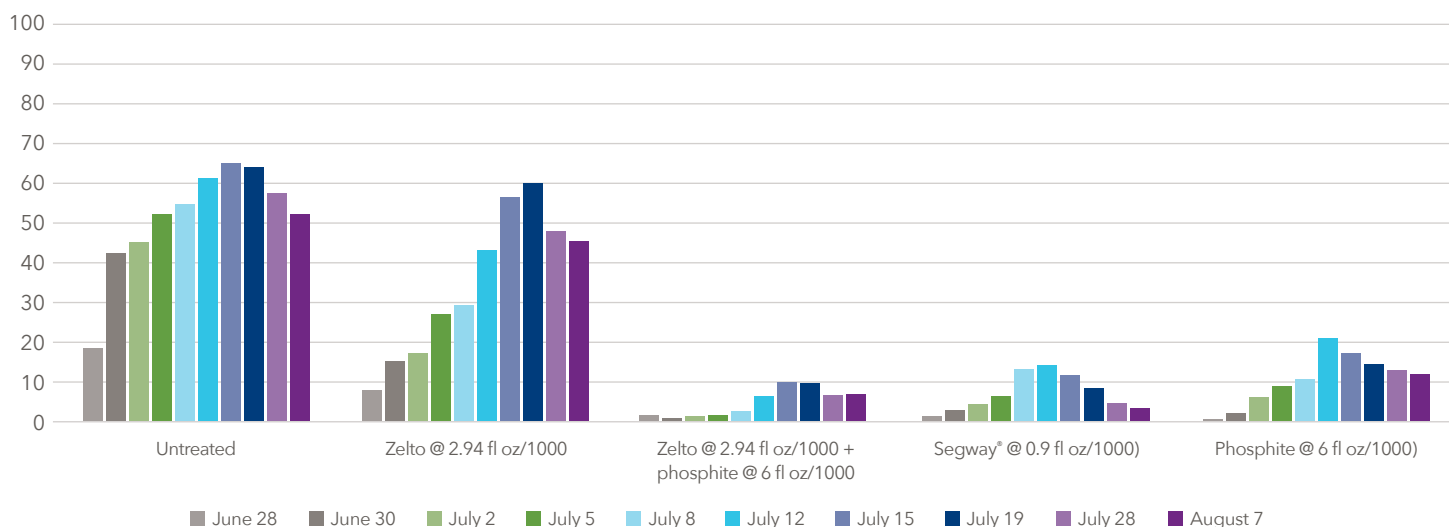
Product use rate:

1 gallon per acre (2.94 fluid ounces per 1,000 square feet)

Application instructions:

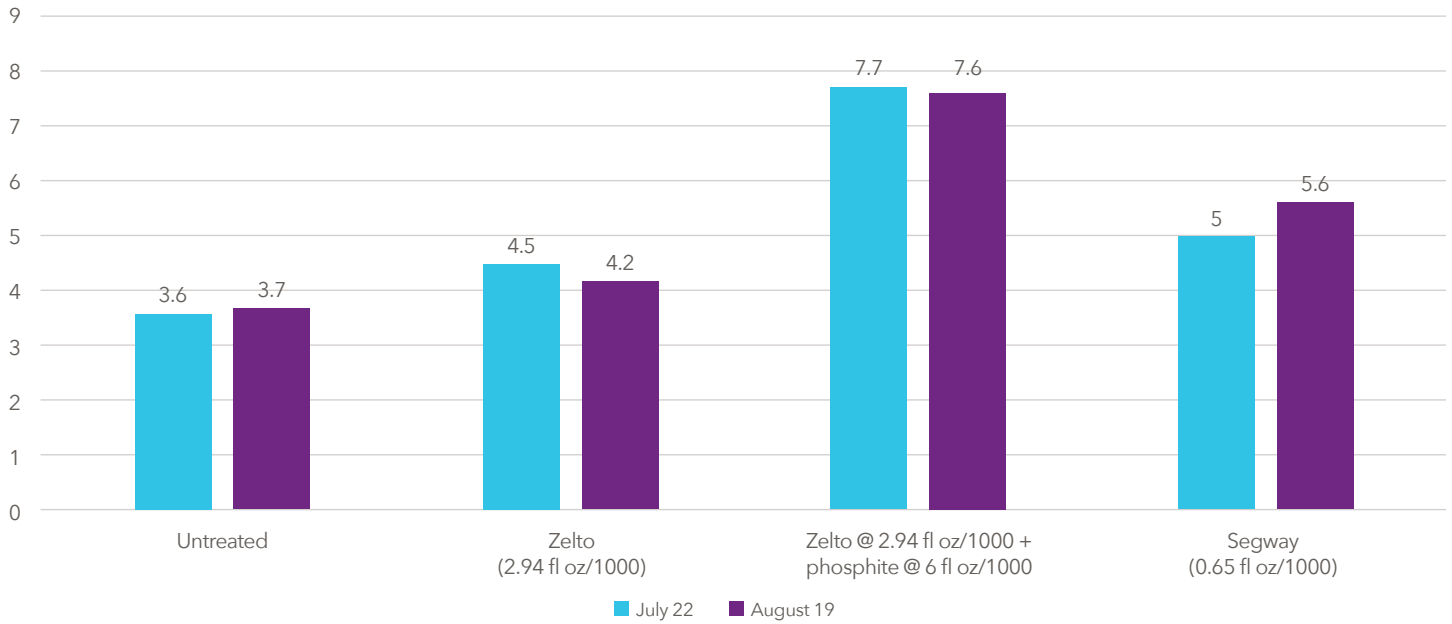
For suppression of *Pythium* blight (*Pythium* spp.) in turfgrass apply Zelto preventively prior to disease symptoms on a 10-21-day interval. During periods of prolonged conditions favorable for disease development, apply on a 14-day schedule.

Pythium blight - % disease severity @ 14 day intervals • Rutgers 2021



Pythium blight - turf quality • Rutgers 2021

Turf quality recorded and evaluated on a 1-9 scale, with 9 being best quality and 6 being minimum acceptable quality.



Untreated area



Zelto + phosphite

2.94 fl oz/1000 + 6 fl oz/1000 @ 14 int



Scan for more information about Zelto.

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