



Simply More Effective on Onions

A study was conducted to determine the influence of Actagro Resist and Resist 57 on onions growing in *Phoma terrestris* (Pink Root) infected soil. The Actagro[®] formulations were applied as a foliar spray or soil drench in a green house trial; treatments were applied post-Pink Root infection. Plants were evaluated for disease severity, plant height and root mass, shoot and bulb weight.

Pink Root severity ratings after post-infection treatment application indicate that the Actagro formulations significantly improve plant health by increasing root mass. Resist and Resist 57 applied as a foliar spray, soil drench, or with Actagro Liquid Humus[®] increased root mass.

Applications of Resist and Resist 57 to onion seedlings growing in Pink Root infested potting mix produced plants with a root mass equal to or greater than the seedlings growing in clean (non-infected) potting mix (see Figure 1 below). Improved root growth may allow plants to continue growing in the presence of yield robbing disease.

Although it cannot be suggested that the introduction of either Resist product decreased disease occurrence, both products were shown to aid in the overall health of onion plants allowing them to reach maturity regardless of the existence of Pink Root



Treatments:

1. Resist @ 0.5 gpa + LI700 @ 0.0625%
2. Resist @ 1 gpa
3. Resist 57 @ 0.40 gpa + LI700 0.0625%
4. Resist 57 @ 0.75 gpa
5. Resist 57 + Actagro Liquid Humus[®] @ 0.75 gpa + 2 gpa
6. Untreated- Clean non-infected soil mix



Actagro formulations significantly improve plant health by increasing root mass. Even in Pink Root infested soil, Resist and Resist 57 helped maintain plant vigor, root mass, and bulb size.