



Melons

Tech Sheet

PRODUCT OVERVIEW

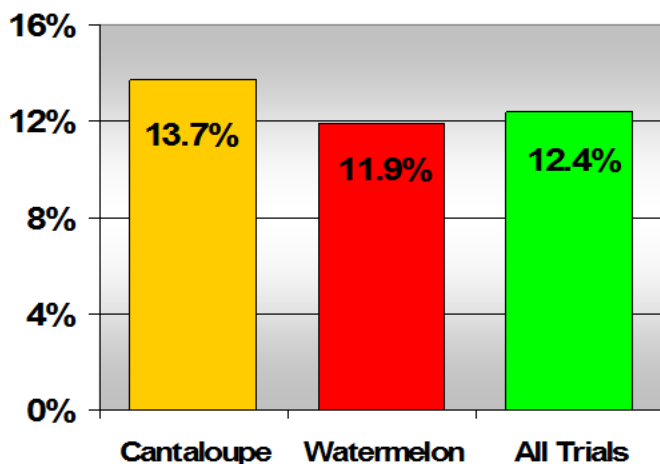
Employ[®] is a Plant Health Promoter based on **Harp-N-Tek**[®], a proprietary harpin protein technology. When **Employ** is applied to melons, the harpin protein active ingredient binds to harpin receptors on the plant. These receptors respond to harpin as if it were a pathogen, and this reaction initiates an “**inside-out plant response**” that turns on a plant’s own intrinsic growth and stress-defense capabilities.

PERFORMANCE SUMMARY

In multiple years of commercial and small plot trials replicated field trials, Harp-N-Tek based products have been shown to reduce nematodes while increasing melon yields.

- Increases in yields typically exceed **10%**.
- The average yield increase from Harp-N-Tek products in 57 melon trials was 12%, which was **due to increased set, not increased size**.
- Grower trials using this program have given similar increases in yield.

Avg. Yield Increase (%) from 57 Trials



NEMATODE DEFENSE

Employ also offers a different mode of action for nematode suppression, interfering with the nematode lifecycle and reducing nematode eggs and juvenile populations as much as 60%. This contributes to a healthier and more productive plant.

Disease Suppression

While **Employ** should not be used alone as a disease control product, it can greatly improve plant resistance to disease, and/or it can be used to compliment an existing disease control program. The plant response typically leads to a thickening of cuticle walls and increased levels of disease fighting properties within the plant. **Employ** has demonstrated suppression of Rust, White Mold, and Rhizoctonia, as well as bacterial diseases.

USE RATE AND TIMING

- **USE RATE:** Apply **Employ** at 2 oz per acre.
- **APPLICATION:** Foliar spray or Chemigation
- **TIMING:** If possible, treat transplants prior to setting out. Make 1st in-field application about 2 weeks after transplanting, make 2nd and 3rd applications on 21 to 30 day intervals.

IMPORTANT THINGS TO CONSIDER

REGULATORY: Excellent safety profile, easy to use, and not a restricted use material; REI is 4 hours; PHI is 0 days.

Unlike standard materials, **Employ**’s performance is not a function of plant absorption or residual. In fact, there will be no detectable residue of **Employ** remaining within hours of application.

ProAct is EPA exempt from food tolerance and can be used on export beans.

Always read and follow label instructions before using this product.

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