

ON MELONS

Maximize your melons.



BENEFITS TO MELONS

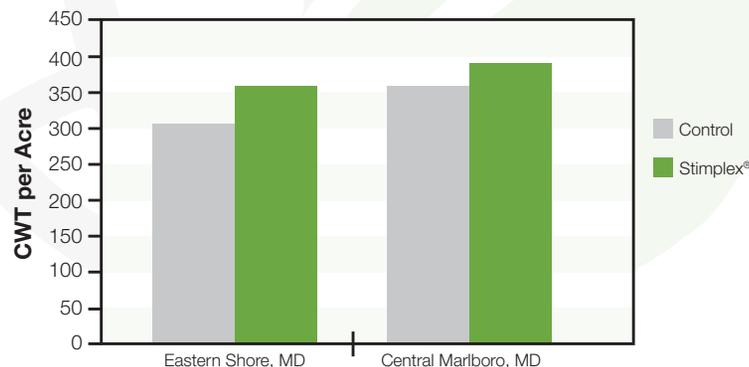
- Enhances rooting
- Increases nutrient uptake
- Mitigates environmental stresses
- Improves overall yield

Stimplex[®] is a unique plant growth regulator that fuels the growth and development of healthy plants. It works at a cellular level by improving the production of naturally occurring plant hormones that stimulate stress resistance, improve root growth and, in conjunction with a standard nutritional program, maximize nutrient uptake.

STIMPLEX[®] IMPROVES YIELD AND QUALITY

Why settle for average melon yield when you can maximize it? Stimplex[®] gives your crop strong early growth and the ability to tolerate challenging growing conditions. In addition, Stimplex[®] works at a cellular level by improving the nutritional status of your crop, leading to large, firm fruit. It all works together to give you excellent packouts of quality fruit.

EFFECTS OF STIMPLEX[®] ON YIELD OF MELONS



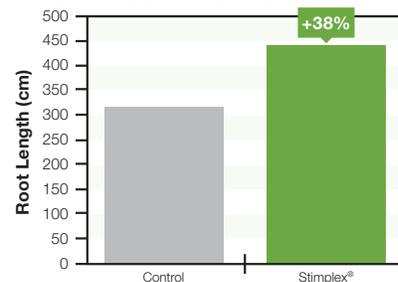
Stimplex[®] improved yield of watermelons by an average of 40 CWT per acre (12%).



HOW DOES STIMPLEX® BENEFIT MELONS?

ENHANCES ROOTING Applying Stimplex® at planting results in a stronger root system that stands up to increased fruit load season-long. Stimplex® modulates levels of plant hormones, including auxins and cytokinins, resulting in large, healthy root systems. The unique bioactive compounds in Stimplex®, such as fucose-rich sulphated polysaccharides and alginates, stimulate root initiation and enhance the formation of small absorptive roots. This leads to improved plant establishment and more efficient uptake of water and nutrients.

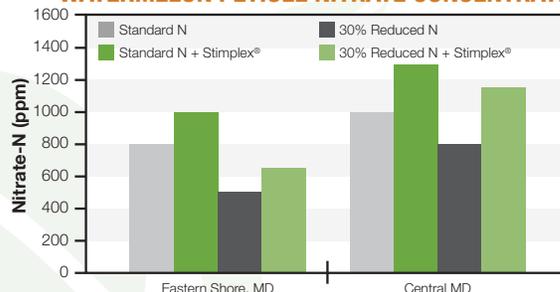
TOTAL ROOT LENGTH OF WATERMELON



Seven days after application of Stimplex®, the treated watermelon seedlings showed improved total root length as analyzed by a WinRhizo® root-scanning device.

INCREASES NUTRIENT UPTAKE Stimplex enhances your nutritional program by improving nutrient uptake. It contains natural complexing sugars that bind to micronutrients, thereby improving the bioavailability and translocation of nutrients within the plant. When you apply Stimplex® with fertility products like calcium and nitrogen, you're putting nutrients on the fast track to ensure your plants get the most out of every ounce of fertilizer and decrease calcium deficiency symptoms.

WATERMELON PETIOLE NITRATE CONCENTRATION



Reducing fertility reduced nitrate levels in watermelons as expected. There were higher nitrogen levels in all of the Stimplex®-treated plots compared to the corresponding Control treatments.



Cantaloupe seedlings grown under 0.7 ppm saline conditions. Note the improved growth of the Stimplex®-treated seedling.

MITIGATES ENVIRONMENTAL STRESSES Don't let stress ruin your yield! Stress threatens melon quality with culls, misshapen fruit and blossom end rot. Stimplex® improves your crop's tolerance to tough growing conditions, assuring robust root growth and in turn, large, quality fruit. With its numerous bioactive compounds such as mannitol, unique polysaccharides and betaines, Stimplex® improves plants' tolerance to a variety of stressful growing conditions including drought, heat, chill and salinity stress.

IMPROVES OVERALL YIELD Strong early growth, good nutrition and improved stress tolerance work together to give you excellent packouts of quality fruit.

RATES AND TIMINGS

Apply Stimplex® at 2-3L/ha at the following timings:

- **1st application:** soil or transplant treatment at planting
- **Repeat:** soil or foliar applications every 2-3 weeks until harvest is complete

Additional applications can be made at times of stress.

Stimplex® mixes well with nutrients and other agricultural products.



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