

# IMPROVE YIELDS BY HELPING YOUR CROP FIGHT OFF STRESS

*Dicarboxylic acid, the active  
ingredient in PHOTON®*



## What is PHOTON®?

- PHOTON® increases the yield and/or quality of treated crops, increasing grower returns.
- PHOTON helps crops remain productive under adverse environmental conditions, including heat, cold, drought, excess radiation, and salinity.
- PHOTON is a blend of dicarboxylic acids, compounds which occur naturally in plants.

## Mode of Action: What does PHOTON do?

- PHOTON stimulates the key stress sensing enzyme systems in plants so that they are prepared to react quickly and effectively to environmental stresses, such as excessive temperatures (hot and cold), drought, salinity, high radiation.
- PHOTON is applied as a foliar spray and is taken in by the plant within 24 hours. After this the product is rain-fast.
- PHOTON remains effective in the plant for several weeks to more than a month, after which it becomes inert. Targeted applications are effective in row crops such as corn, soybeans, cereals, canola, and many others. To obtain the best results in horticultural crops PHOTON should be used in a season long program to maintain the protection against abiotic stresses.



## Key Points about PHOTON®

- Increases yield and quality
- Unique mode of action
- Season long protection from heat and chilling injury
- Can be used on all crops at any time during the season
- Very low rate of use = g/Ha
- Not a pesticide; no resistance issues
- Based on a defined blend of naturally occurring plant compounds

## Use Rate Guide: For foliar application only

Crop	Use Rate	Comments
Field Crop: Corn, Soybean, Cereals	40 g/Ha	Apply as directed during key growth stage e.g. flowering, pod set, grain fill, etc.
Table grapes Wine Grapes	4 g/100 Liters of water	Apply from flowering through to harvest
Tree fruits & Nuts	Minimum 20 g/Ha	Apply from flowering through to harvest
Vegetables	4 g/100 liters of water	Apply at transplant and then from commencement of flowering through harvest

**ALWAYS READ PRODUCT LABELS FOR USE DIRECTIONS BEFORE USING ANY PRODUCTS**

## Crops

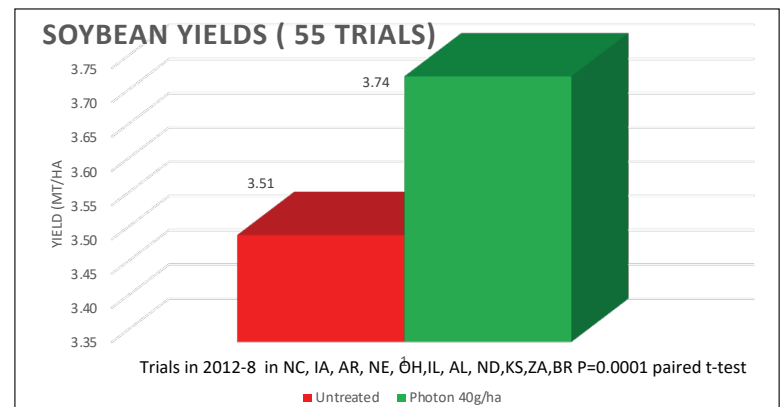
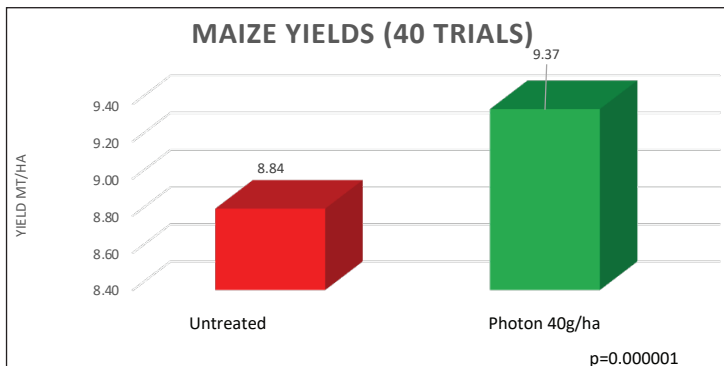
**Row crops:** Corn, soybeans, cereals (wheat, barley)

**Vegetables:** Tomato, pepper, beans, eggplant, lettuce, melons, cabbage, cucurbits

**Tree Fruits:** Apple, pear, cherry, citrus, mango, avocado, banana, grapes

**Vines & Nuts:** Wine and table grapes; macadamia, walnut, hazelnut, almond, pistachio

**Root Crops:** Potatoes, sweet potatoes



[www.cropstress.com](http://www.cropstress.com) • [info@cropstress.com](mailto:info@cropstress.com) • (919) 624-6182