

# PostBoost™

Biological Solution  
From Crop to Fruit

## Our Partners



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## General Overview

Depending on application method and timing, PostBoost can be used either as a post-harvest or a pre-harvest product. As a post-harvest product, it extends the shelf life of fruits and improves their color. It also improves sensory parameters and increases health parameters of fruits and fruit juices. As a pre-harvest product, it serves as a biological solution for crop protection against various pests and diseases (fungi, insects, bacteria and viruses).

## Scientific Background

Like many other agricultural solutions, PostBoost has been developed in an academic research lab at the Agricultural Research Organization (ARO) – Volcani Center, Israel.

Over the past six years, Prof. Michal Oren-Shamir, Dr. Noam Alkan and Prof. Yigal Elad have been studying ways to biologically improve fruit protection, influence and enhance the taste and aroma of fruits, and extend their shelf life – ultimately making them more attractive to consumers.

Following successful results in labs and greenhouses, PostBoost has been further developed and examined by agricultural input suppliers from South Africa and Israel who conducted numerous field and greenhouse trials, testing the product as a pre-harvest as well as a post-harvest treatment.

The trials and studies clearly demonstrated that PostBoost can effectively protect crops against various pathogens such as *Tuta absoluta*, red spider mites, gray mold and powdery mildew. It also extends the shelf life of fruits and protects them from various pathogens, such as anthracnose, stem-end rot and *Alternaria alternata*.

In addition, it enhances the red color of mangos and apples, and provides protection against chilling injuring in mangos, oranges and lemons.

Other amazing benefits of PostBoost were discovered while analyzing the aroma and sweetness of the fruits. Improvement was shown in sensory parameters of fruits and fruit juices, especially in the aroma and taste of mangos, grapes and grape juice.

Today, PostBoost Ltd. is a portfolio company of COPIA Agriculture and Food Technologies L.P., an Israeli VC fund that invests in technologies which improve sustainability along the food supply chain and bridge the gap between academic research and the industry.

## Benefits

- ✓ Protects Crops Biologically
- ✓ Extends Fruit Shelf-Life
- ✓ Safer to Use
- ✓ Reduces Chilling Injuries
- ✓ Improves Flavor
- ✓ Improves Nutritional Values

# Protecting Grapes from *Botrytis Cinerea*



## *Botrytis Cinerea* - Grapes (Field Trials in South Africa)

**Location:** A commercial vineyard, Western Cape Province of South Africa

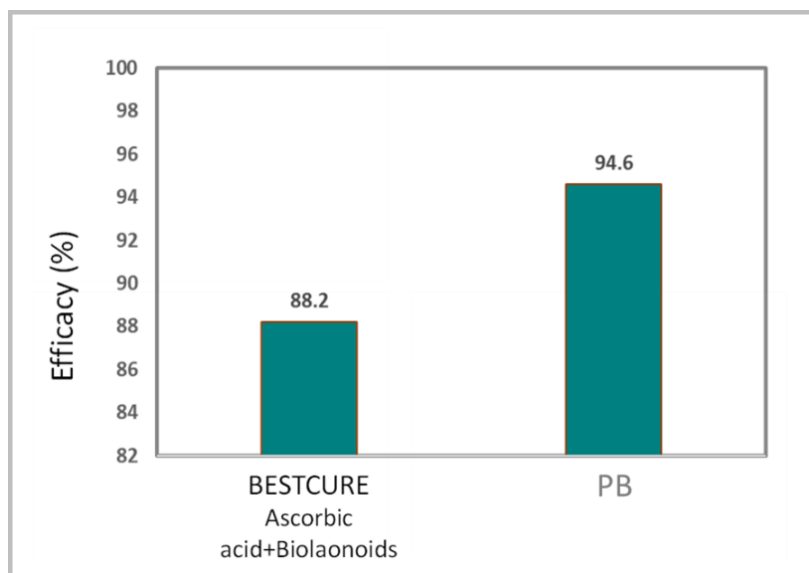
**Objective:** To determine the efficacy of PB\* on controlling *Botrytis* bunch rot on table grapes cv. Alison.

**Trial design:** Randomized Complete Block (RCB), four monthly applications in comparison to standard Bestcure (Ascorbic Acid and Biolaonoids) treatment.

**Control:** 15% Infection



\* **Note:** Code for PostBoost is "PB" in this document.



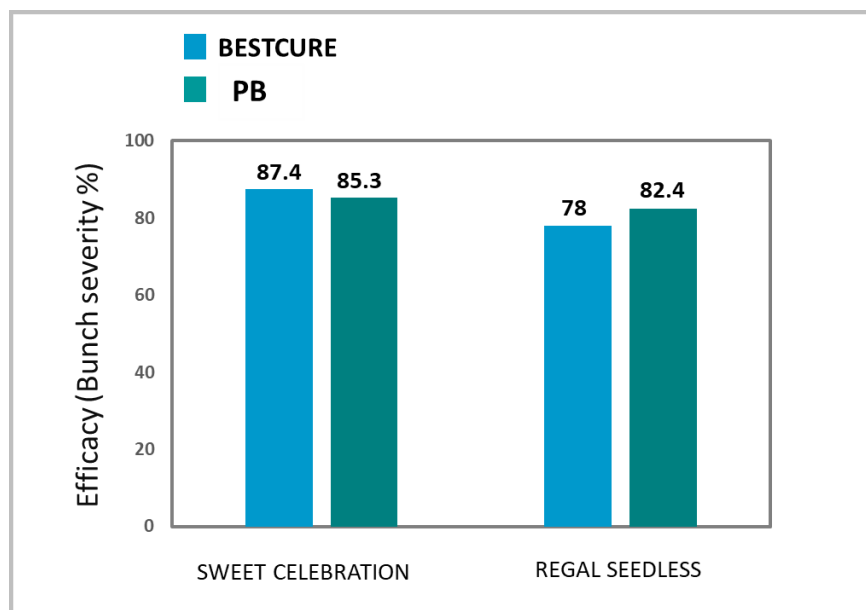
## *Botrytis Cinerea* - Grapes (Field Trials in South Africa)

**Location:** A commercial vineyard, Western Cape Province of South Africa.

**Objective:** To determine the efficacy of PB on controlling *Botrytis* bunch rot on table grapes cv. sweet celebration and cv. Regal seedless.

**Trial design:** Randomized Complete Block (RCB), four monthly applications in comparison to standard Bestcure (Ascorbic Acid and Biolaonoids) treatment.

**Control:** Sweet celebration 54.8% Infection, Regal seedless 48.4% infection.



For more information please contact:

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