

# PostBoost™

Biological Solution  
From Crop to Fruit

## Our Partners



## Contact Us

1 Shankar St. Herzliya, 4672501 ISRAEL

Phone: +972-3-535-3043

Fax: +972-3-7618001

[info@copia-agro.com](mailto:info@copia-agro.com)

[www.postboost.biz](http://www.postboost.biz)



## 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

# Decreasing Post- Harvest Decay in Avocado

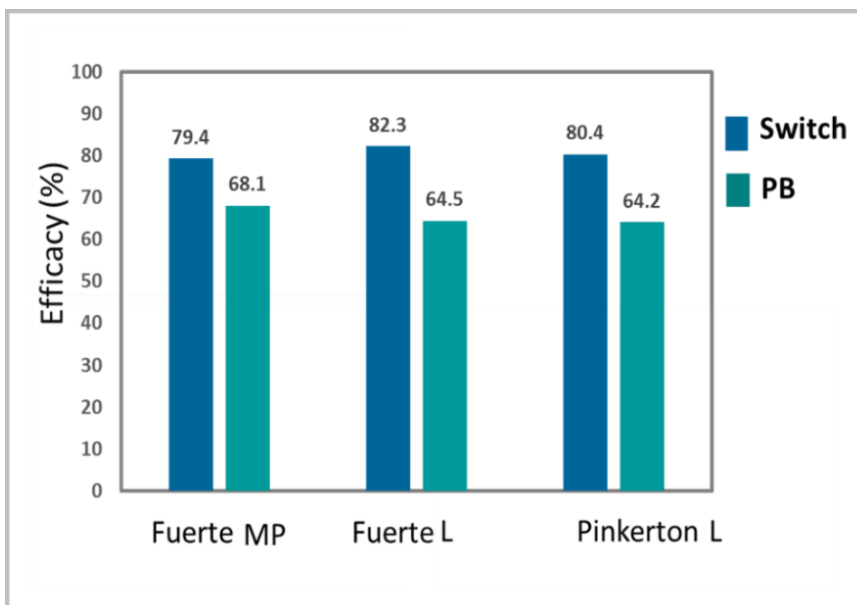


## Anthracnose Decay in Avocado Orchard Trial #1 in South Africa

**Locations:** Tzaneen, Emgwenya and Louis Trichardt

**Objective:** To determine the efficacy of applying PB\* on avocado flowers in order to decrease post-harvest decay in comparison to standard treatment, Switch (Co-formulation of cyprodinil and fludioxonil) on three avocado cultivars: Fuerte MP, Fuerte L, and Pinkerton L.

**Application:** First application was given when the first flowers opened. Three more applications were applied in 14-day intervals.



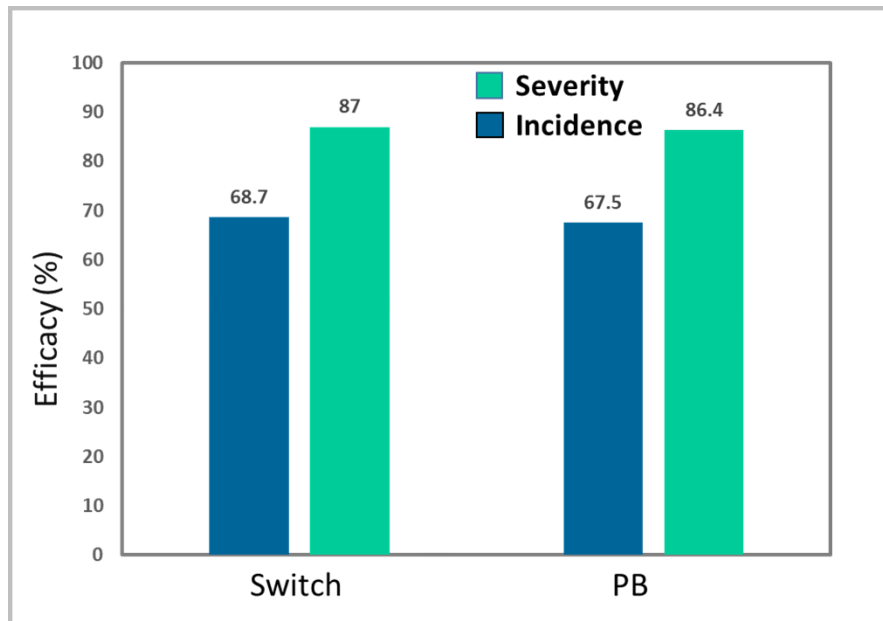
\* **Note:** Code for PostBoost is "PB" in this document.

## Orchard Trial #2 in South Africa

**Locations:** Komatipoort in South Africa

**Objective:** To determine the efficacy of applying PB on avocado cv. Hass flowers in order to decrease post-harvest decay in comparison to standard treatment, Switch (Co-formulation of cyprodinil and fludioxonil).

**Application:** First application was given when the first flowers opened. Three more applications were applied in 14-day intervals and one more application 10 days before harvesting.



For more information please contact:

COPIA Agro and Food Technologies L.P.

1 Shankar St. Herzliya, 4672501 Israel

Phone: +972-3-535-3043

Fax: +972-3-7618001

info@copia-agro.com

www.postboost.biz

