

STRAWBERRY PRE-PLANT ROOT DIP TRIAL - SANTA MARIA 2018-19

Manzanita Berry Farms – Ranch No. 2 (West Main Street)
Cultivar BG-3024 planted October 2018, Harvested Feb-July, 2019

Prior to 2015 we had settled on the Healthy Soil® program as a standard based on previous years' trials.

After the year that Colletotrichum caused widespread damage to CA strawberries, we adopted pre-plant dipping in Switch® fungicide as a precaution against fungal diseases.

During 2017 and 2018 harvest seasons the plant dip tests that were conducted on our ranch showed the Healthy Soil®/standard treatments consistently under-performing compared to almost all other treatments.

We suspected the introduction of Switch® dipping might account for the drop in performance.

Comparing Harvest Yield Between Treatments of Pre-plant Dips with:

Switch[®]: 0.5oz/2.5 gal – 5 min dip

PhycoTerra[®]: 5% soln – 15 min dip

Healthy Soil[®]: Proprietary blend/time

Water: 5 min dip

No-dip Check

Planting Layout and Plot Design

Each treatment was applied to approximately 5,000 plants immediately prior to planting

Each treatment was planted to 5 separate beds

One 40-plant harvest plot was designated in each treatment bed (5 harvest plots/treatment) and harvested from Feb 25 through July 13, 2019.

Plant Dip Treatment Map

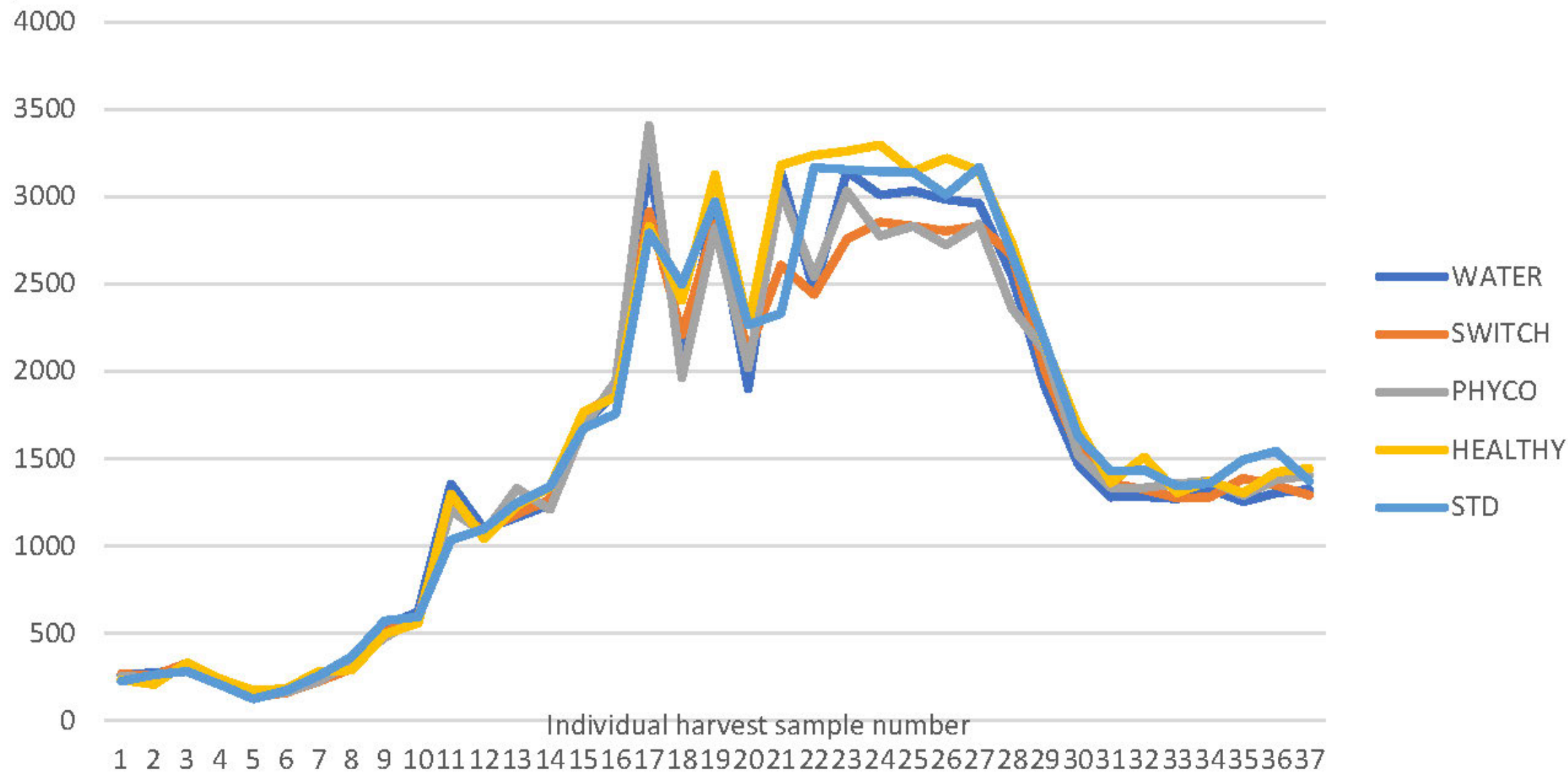
No.	Treatment
1	Healthy Soil
2	CHECK
3	Switch
4	PhycoTerra
5	WATER
6	CHECK
7	CHECK
8	Healthy Soil
9	Healthy Soil
10	Switch
11	PhycoTerra
12	CHECK
13	WATER
14	PhycoTerra
15	CHECK
16	PhycoTerra
17	Healthy Soil
18	Switch
19	Healthy Soil
20	WATER
21	PhycoTerra
22	WATER
23	Switch
24	Switch
25	WATER

North

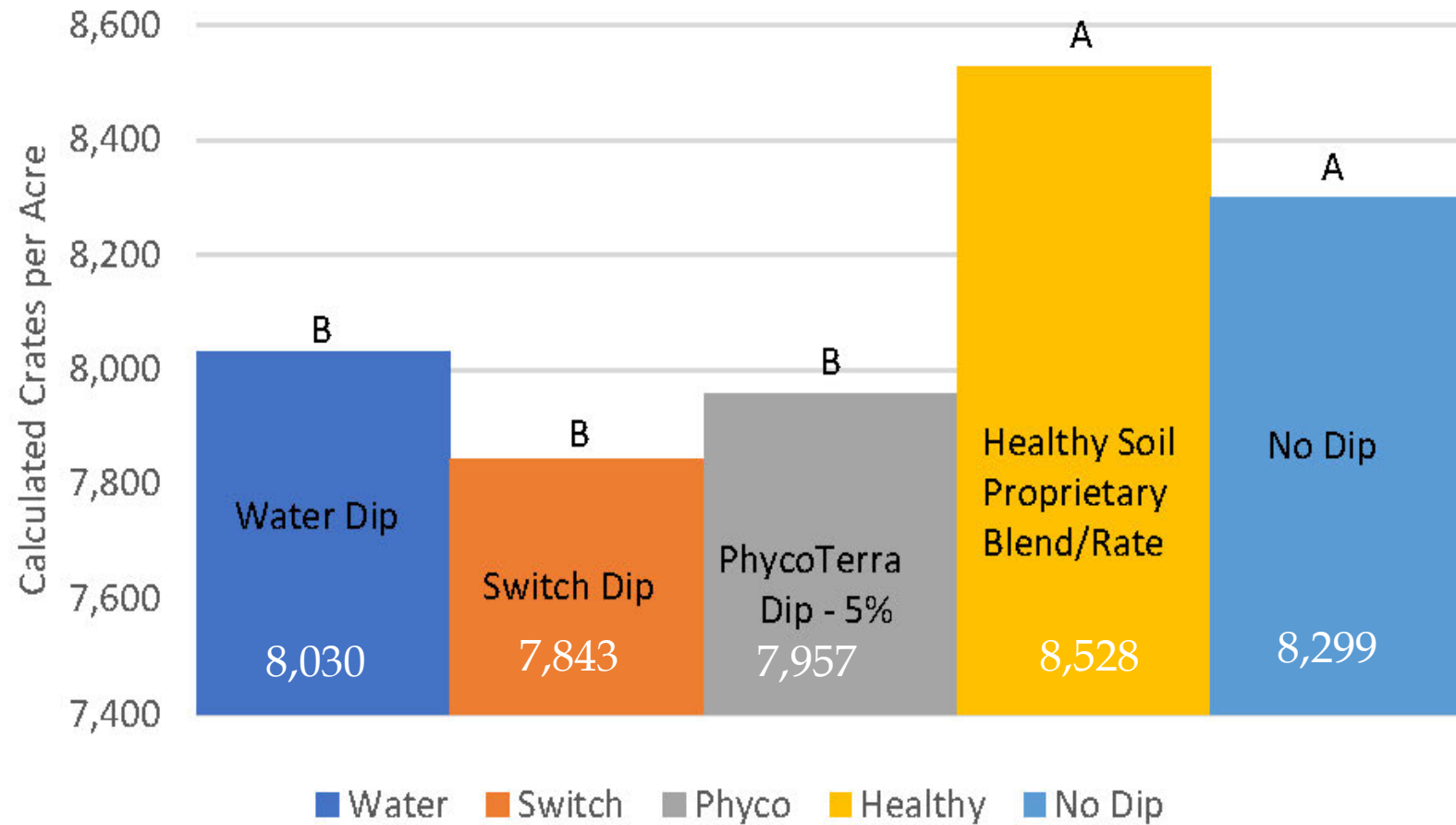


Grams
per Pick

Plant Dip Trials Fall 2018



Pre-planting Root Dip Trial Fall 2018, cv. BG-3024



(LSD All-Pairwise Comparisons Test of Yield)

Total gram weight of marketable fruit multiplied by 0.14 to convert to approximate crates per acre.

Summary Notes

- Dipping in Switch caused significant reduction in yield in this particular situation
- There were no significant differences observed in the plants between the different treatments, plant weights were not measured.
- The plants in this test did not exhibit any signs of disease prior to planting, no Colletotrichum was observed
- During the last 4 weeks of harvest the commercial field was being harvested for processor, but test plots were harvested according to fresh market to conclusion.