

2017

BioRoc™

PILOT PROJECT



TEST OBJECTIVE

Evaluate the effectiveness of PNTI fertilisers (including BioRoc™) on almond yield.

TEST PLOT

7-acre section (HR7) of Stevenson Ranch Almond Orchard.

TEST DESIGN

1. Initial fertilisation of HR7 with PNTI products (PoweRoc™, BioRoc™, RocTea™) in October 2016.
2. Second fertilisation in February 2017:
 - a. HR7 divided into five 1.4-acre sections.
 - b. Each section received a different combination of PNTI products.
 - c. No other fertilisers applied during the testing period.
 - d. PNTI test regions received only water on the same schedule as the main orchard.
3. Almonds harvested at maturity (September for Non-Pareil, October for Monterey).
4. Field weights measured for harvested almonds.
5. Samples collected for laboratory analysis of nut composition (husk, shell, meat).



KEY FINDINGS

1. HR7 trees treated with PNTI fertilisers in 2017 yielded an average of 2,107 lbs of almond meats per acre.
2. This represents a 75% increase compared to the untreated yield of 1,202 lbs per acre in 2016.
3. Nutrient levels and average almond weight in PNTI-treated areas closely matched conventionally fertilised trees in another orchard section (HR6).

