concentric™

FIELD TRIAL RESULTS AND RECOMMENDATIONS

2017 & 2018

ALMOND TRIAL
WITH PACIFIC AG RESEARCH

Concentric's IN-M1* was applied in a trial conducted by Pacific Ag Research over a two-year period in an established orchard in Sanger, California.

TRIAL DESIGN

- The trial utilized a randomized complete block design and involved three treatments, each with six replications.
- Almonds (Monterey variety) on Nemaguard rootstock were transplanted in 2010 at 15' spacings, with rows spaced 21' apart (138 trees/acre).
- In addition to an untreated control block, there were two blocks treated with IN-M1*. The blocks received 1 gallon/acre of IN-M1 through the drip system at the following times:
  - At petal fall (mid-March) and nut set (late-March)
  - At petal fall (mid-March), nut set (late-March), and after summer nut drop (June)

FIGURE 1: Almonds forming after blossom in the second year of the trial, on 3/22/18.

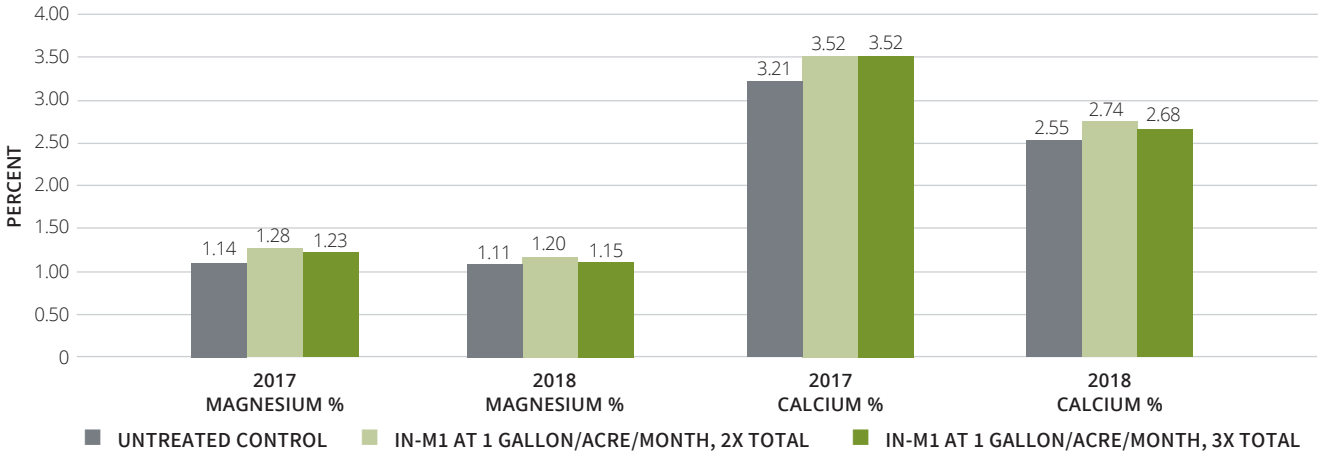
RECOMMENDATIONS

RATE	TIMING
1 gallon/acre	Apply 3 times per year through the drip system: at petal fall, nut set, and summer nut drop.

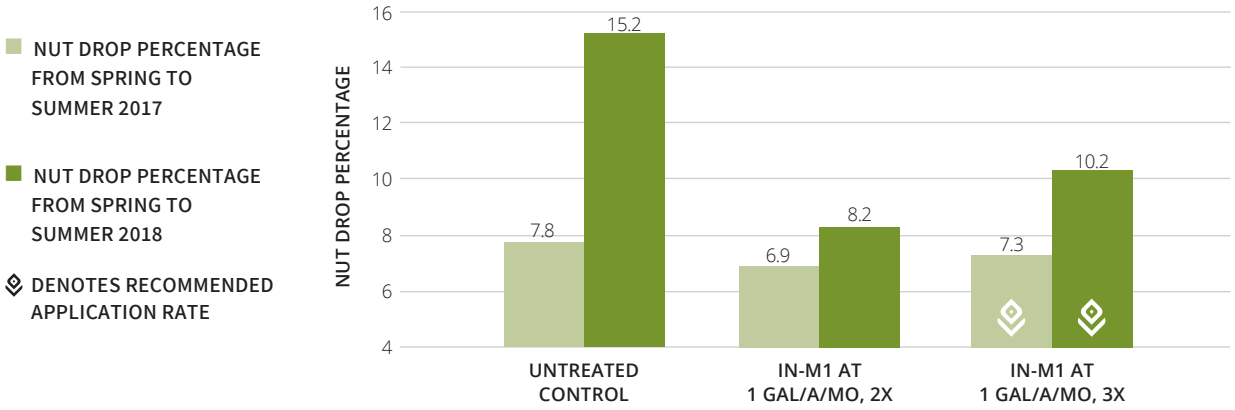
**IN-M1 is currently labeled as GARDEN SOLUTION® in the U.S. and SYNERGRO® in Canada.*

RESULTS

PRESENCE OF MAGNESIUM AND CALCIUM IN ALMONDS



NUT DROP PERCENTAGE FROM SPRING TO SUMMER BY YEAR



- The nut drop from spring to summer was lower with both treatments of IN-M1 – more of the nuts were harvested with IN-M1.
- Both years showed an increase in foliar calcium and magnesium in trees treated with IN-M1.

YIELD RESULTS		
Treatment	% Yield increase - 2017	% Yield Increase - 2018
IN-M1 at 1 gallon/acre/ month, 2x total	2.7%	2.5%
IN-M1 at 1 gallon/acre/ month, 3x total	5.2%	0.6%

IN-M1 (currently labeled as GARDEN SOLUTION® in the U.S. and SYNERGRO® in Canada) is a microbial technology for growers that sustainably improves plant health, boosts root and plant vigor, and increases yield, consistency and quality. It is designed to be active across a diverse range of high-value produce, geographies and for all types of modern growing systems from field to greenhouse to hydroponics, for both organic and conventional growers. More robust plants can better deal with the challenges of production agriculture, including transplantation of seedlings, poor soil, extreme weather and other biotic and abiotic stresses.

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OMRI LISTED® For Organic Use

TO LEARN MORE ABOUT IN-M1, CONTACT:

RON RESTUM

VICE PRESIDENT, SALES AND COMMERCIAL DEVELOPMENT

M: 316-744-5260

RRESTUM@CONCENTRICAG.COM