Fact Sheet

ALMONDS

DATE: 2018 - 2020
LOCATION: California

NanoCrop

Below are the latest results from an organic in-field study using NanoCrop, *Powered by PureCrop NanoTech*, for two full seasons. Notice the comparison of 2018's harvest without NanoCrop to the following two seasons of switching to an organic NanoCrop program, which replaced seven pesticides. The California farm **increased yield by an additional 73% over two seasons and reduced the off-grade level due to pest damage by 95%.**

KEY TAKEAWAYS

- NanoCrop effectively controls leaffooted plant bug and stink bug.
- Provides better coverage due to its particle size and surfactant properties.
- Highly compatible with most products.
- Significantly enhances efficacy when used as an adjuvant.

ALMOND
YIELD & OFF-GRADE

	Yield	Off-Grade
2018	2200	22%
2019	3000	1%
2020	3800	0.5%

DILUTION RATES

Curative treatment:
1%-1.5% v/v rate every 10-12 days

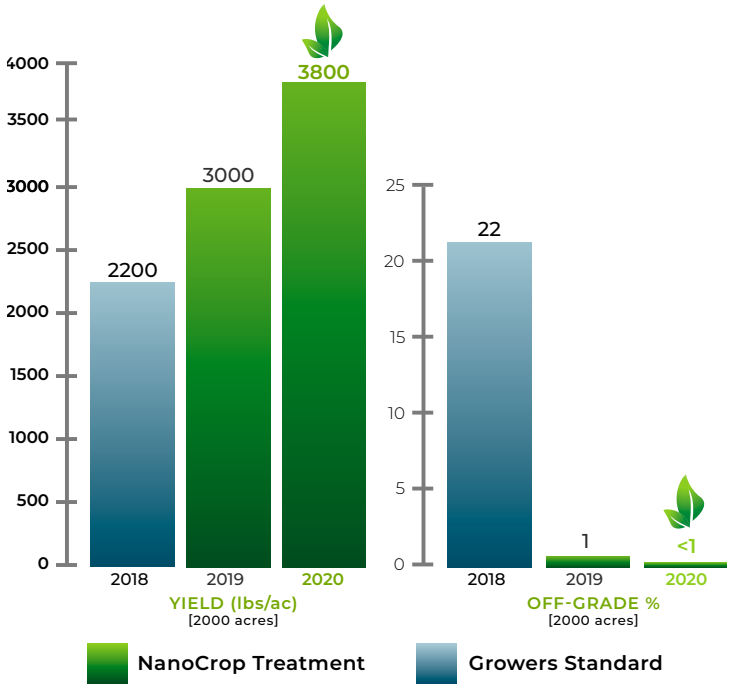
Preventative care:
1% v/v rate until control

We recommend 1.5% for first-time users.

**Frequency and dilution rates depend on the variation in crops, growing methods, climate, and geography. Adjust your IPM process based on your specific needs.*

BENEFICIAL FRIENDLY · PLANT BASED · ZERO HOUR REI & PHI

Total Almond Yield & Off-Grade



**All references to "NanoCrop" in this fact sheet and referenced data refer to and reference PureCrop1 data, results, and application. NanoCrop's formula is based on PureCrop NanoTech and is optimized for commercial agriculture application. Results will be comparable.*

Scan the QR Code to read more about this study!

See these results in YOUR fields
Call our team today! +1.707.972.5650

NanoCrop Label Summary

OPTIMIZED FOR COMMERCIAL AG
POWERED BY PURECROP NANOTECH

NanoCrop

Modes of Action

INSECTICIDE

Eliminates sap-sucking insects by interfering with their digestive enzymes, causing constant micelle expansion and rupturing the insect. NanoCrop — Powered by PureCrop NanoTech — is safe for use around beneficial insects, such as honey bees, predatory mites and wasps, and ladybugs.

FUNGICIDE

Contains surface acting agents that physically remove mold and mildew from the leaf's surface. The micelle encapsulates and biodegrades spores, while also preventing reattachment and growth for up to ten days due to its translaminar properties.

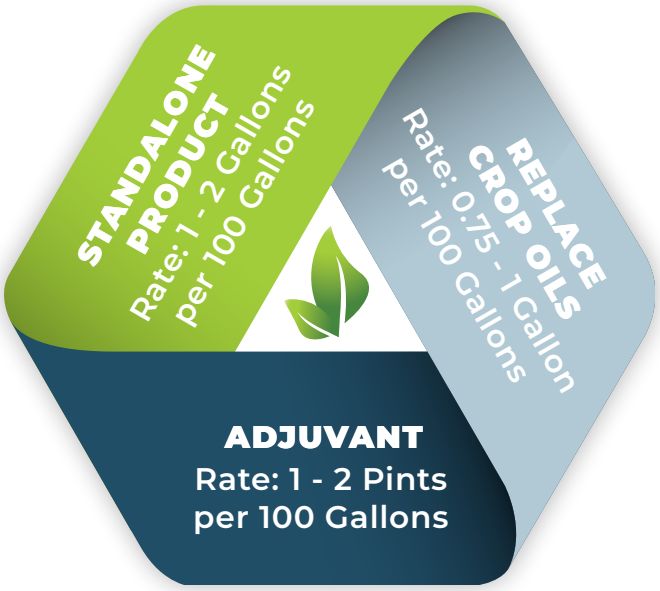
BIOSTIMULANT

NanoCrop is made of long-chain fatty acids that the plant converts into amino acids, which reduces interfacial tension, and enhances mesophyll conductance and ion transfer capacity—resulting in the ability to respond to abiotic stress, maximizing water and nutrient utilization and improve overall plant health.

SUPRA-MOLECULAR SURFACTANT

NanoCrop utilizes surfactant molecules, micelles, to lower the surface tension of water. They enable NanoCrop to spread and adhere to leaf surfaces uniformly, while dispersing evenly in water and mix indefinitely. Micelles do not clog or flood the stomata due to their size and are compatible with most products, except other surfactants.

NanoCrop Uses



PESTS & DISEASES

Including, but not limited to: Aphid, Asian Citrus Psyllid, Broad Mite, Citrus Rust Mite, Spider Mite, Russet Mite, Thrips, Whiteflies, Lygus, Stink Bug, Leaf-Footed Plant Bug, Mealybug, Scale, Snail, Botrytis, Fusarium Wilt, Downy Mildew, Powdery Mildew, Alternaria, Anthracnose, Bacterial Blast, FireBlight.

BUFFER RECOMMENDATIONS

Buffer water to pH 5.5-5.8 with citric acid before adding NanoCrop. Do not buffer with ammonia sulfates or sodium based buffers.

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