Fact Sheet

RASPBERRIES

DATE: July 2021

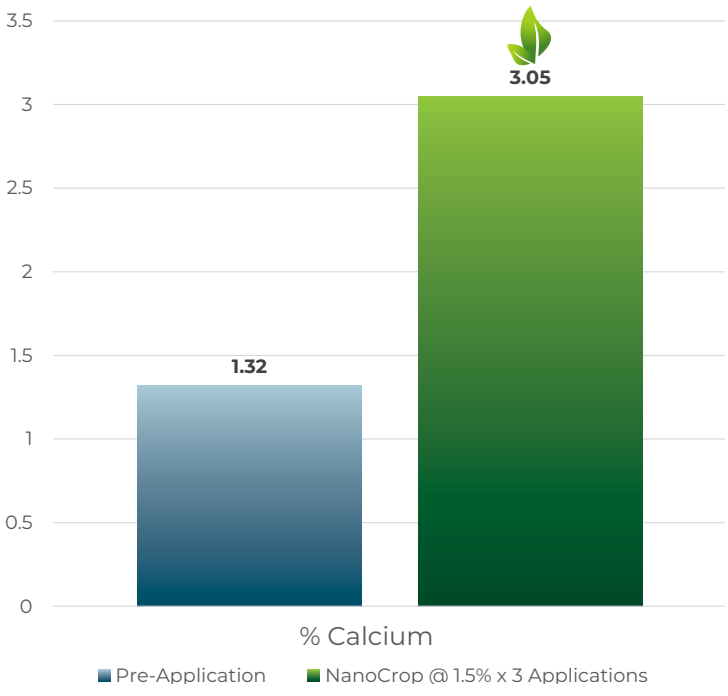
LOCATION: Santa Maria, California

This trial was conducted on three acres of raspberries in Santa Maria, California, to test the efficacy of NanoCrop, *Powered by PureCrop Nanotech*, in increasing nutrient uptake. This farmer wanted to improve the overall calcium levels in his berries. NanoCrop was applied foliar at 1.5% v/v once per week over the course of three weeks. Fruit tissues were analyzed before and after the NanoCrop applications.

KEY TAKEWAYS

- Nutrients across the board increased.
- No calcium added during this trial.
- SWD Control as well during applications.
- Increased brix after application.

After three applications, NanoCrop increased overall calcium levels by 131%. This demonstrates NanoCrop's efficiency at delivering nutrients through the plant and into the fruit. Plants treated with NanoCrop are able to mobilize the calcium to the end product, in this case berries.



DILUTION RATES

CURATIVE TREATMENT:

1.5% v/v rate at higher frequency until control

PREVENTATIVE CARE:

0.75% v/v rate every 7-10 days

**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 0

**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!

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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.

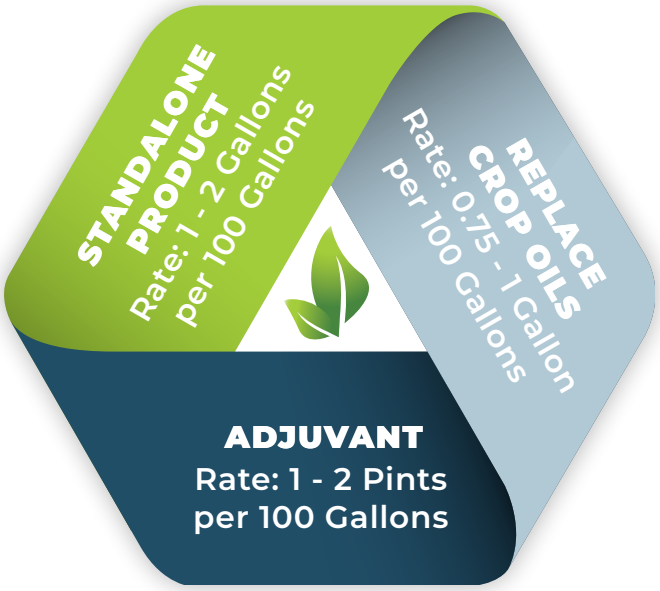
BIOSTIMULANT

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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