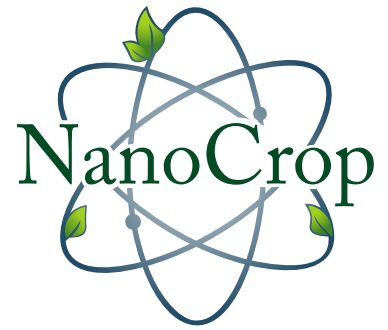


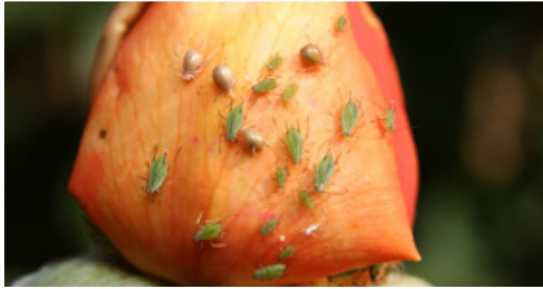
Fact Sheet

APHIDS




DATE: August 2018


LOCATION: California




NanoCrop, Powered by PureCrop NanoTech, was evaluated for efficacy against four common aphids. At a dilution as low as 0.66% v/v, **NanoCrop demonstrated consistent control of aphid populations within 36 hours** of application. NanoCrop was effective under a broad range of conditions, similar to those in home and commercial settings, and was easy to mix. Additionally, NanoCrop left virtually no visible residual on leaf surfaces.

KEY TAKEAWAYS

 Can be used both as a preventative care and as a curative treatment.

 NanoCrop remains effective for up to 10 days as a translaminar.

 NanoCrop is an eco-friendly product that is not your standard “knockout” treatment. It may take several days after the initial application to eliminate pests.

“Overall, the results of these evaluations provide encouraging evidence that PureCrop [NanoTech] could be developed into an effective, reliable and easy-to-use commercial insecticide against aphid pests.”

- Brook C. Murphy, Ph.D
Entomologist
University of California Davis

DILUTION RATES

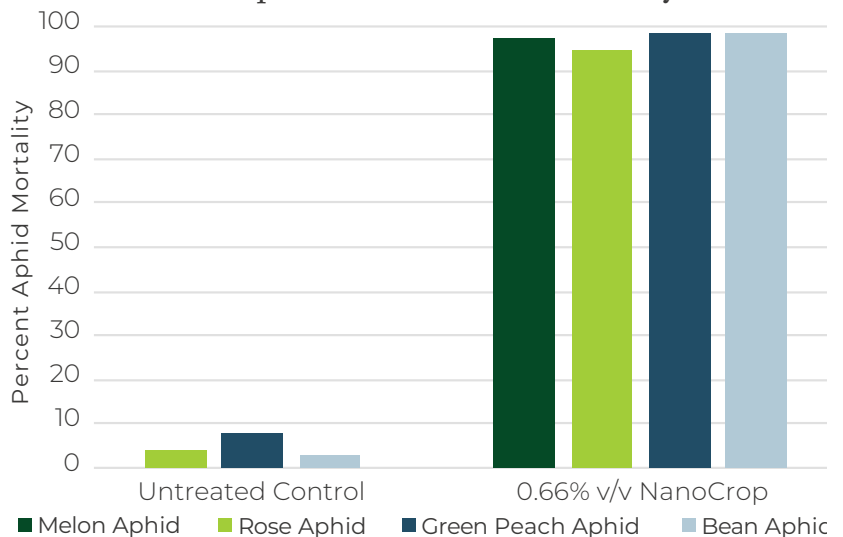
We recommend 1% to 1.5% v/v dilution of NanoCrop for treatment against aphids.

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



Scan the QR Code to read more about this study!

Comparative Dose Mortality



The graph illustrates the dose-mortality relationship of NanoCrop treatment on four aphid species - melon, rose, green peach, and bean - 36 hours after application.

**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.*

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

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.

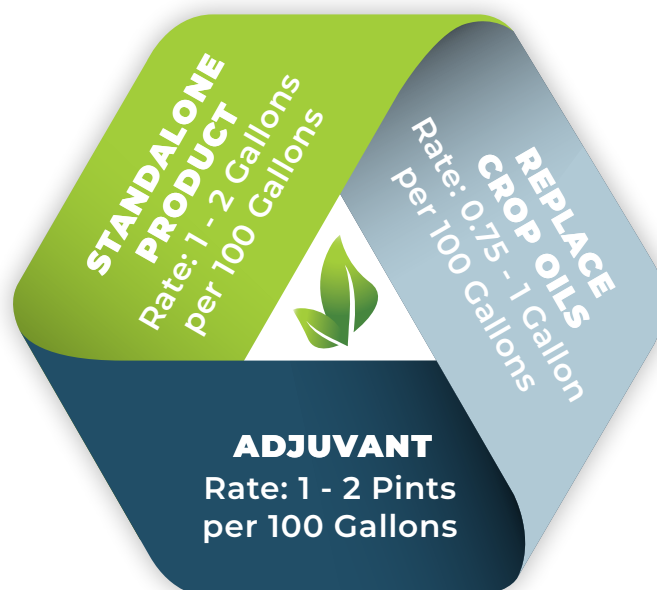
BIOSTIMULANT

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.

