

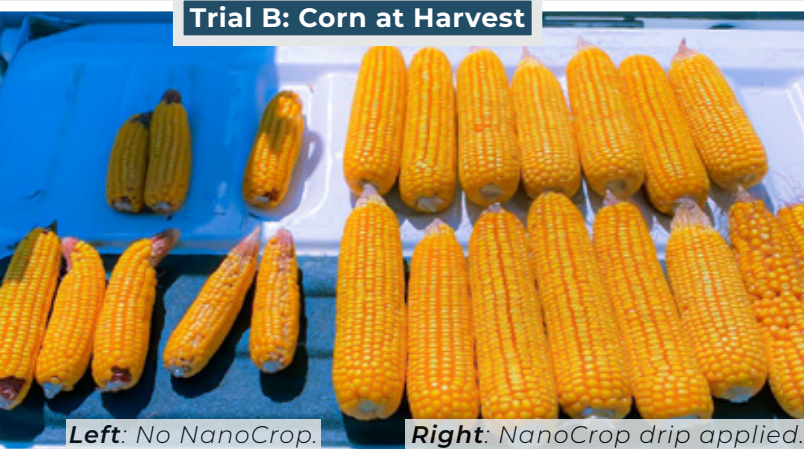
# Case Study

## CORN SILAGE



A commercial farmer in Selma, CA, was seeking to improve the yield and quality of his “Bawgiletto 90-Day Corn Silage” crop while increasing the effectiveness of his herbicide and insecticide sprays.

Trial B: Corn at Harvest



Left: No NanoCrop.

Right: NanoCrop drip applied.

Trial B: 6 Days after Application



The farmer added **NanoCrop powered by PureCrop NanoTech as a biostimulant and adjuvant** to his standard fertilizer program. To test its effectiveness, he conducted two plot trials: Trial A involved mulching the crop with wood chips and flood irrigation, while Trial B involved growing the crop with healthy soil and drip irrigation.



The addition of NanoCrop to the fertilizer program resulted in overwhelmingly positive outcomes. The farmer **significantly decreased water usage** (by 0.5 acre/ft per acre) in both trials. Furthermore, the **yield increased by 6 tons/ac** after implementing NanoCrop (compared to previous year).

### TRIAL B | Total Yield: 37 tons/ac

TIMING	PRODUCTS & RATE	APPLICATION TYPE
<b>1st Application</b>   3-6" growth	1qt. NanoCrop added to 5gal of Worm Casting Tea (per acre)	Foliar
<b>2nd Application</b>   Herbicide   18-20" growth	1qt./100 of NanoCrop (288oz Nanocrop)	By air @ 20gal/ac   5ac =100gal water by air
<b>3rd Application</b>   Insecticide/ Mite Spray	1qt./100 of NanoCrop (288oz NanoCrop)	By air @ 20gal/ac   5ac =100gal water by air
<b>4 Irrigation sets</b>	1qt./ac of NanoCrop mixed with CaN17 @ 50 units a set	Drip applied

The farmer successfully achieved his goal of improving the yield and quality of his crop and enhancing the effectiveness of herbicide and insecticide sprays. The use of **NanoCrop reduced water usage** and increased yields, making it a **valuable addition to the fertilizer program**. The farmer highly recommends NanoCrop to other farmers seeking to improve crop performance.



Scan the QR Code to read more about this study!

See these results in **YOUR** fields  
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# 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.

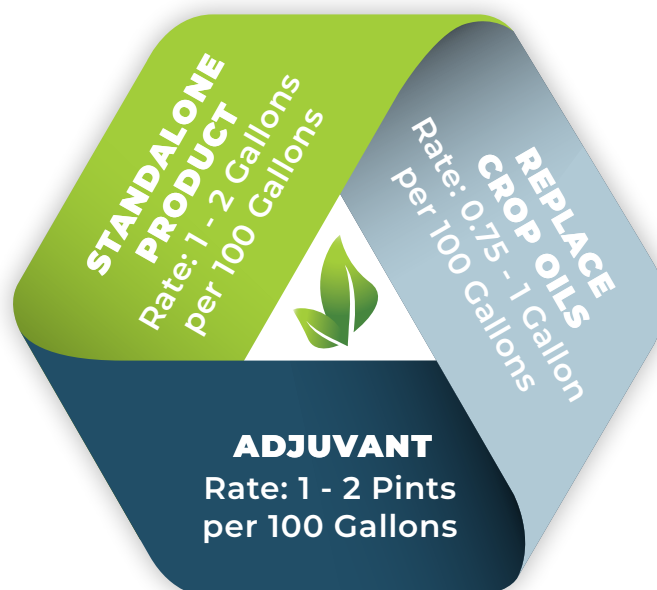
### BIOSTIMULANT

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.

