

# APPLES

## CROP ADVANTAGE



Soil-Set®, Agro-Mos®, Galvanize® Contact and Crop-Set® work together to give apples an advantage for increased yields, color and marketable quality.

### SOIL HEALTH

Use **Soil-Set** to:

- Enrich soil characteristics with an improved symbiotic relationship in microbial populations between the soil and tree.
- Maximize nutrients available to the tree through healthy root development.
- Promote beneficial microbial populations and facilitate residue breakdown.

### CROP DEFENSE

Use **Agro-Mos** to:

- Naturally strengthen an orchard's ability to fight off disease without synthetic residues.
- Fortify a tree's internal and external defense mechanisms.
- Help manage external stressors throughout the growing season.

Use **Galvanize Contact** to:

- Quickly support trees during stress to minimize potential growth limitations.
- Give trees nourishment vital to an effective defense system.

### CROP DEVELOPMENT

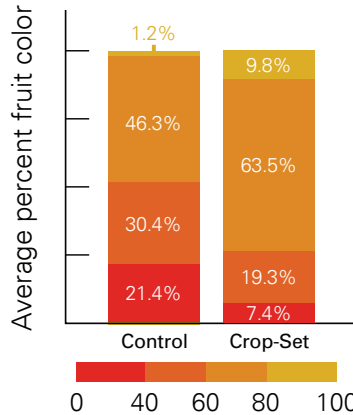
Use **Crop-Set** to:

- Provide essential nutrition for larger fruit size, improved uniformity and enhanced color.
- Naturally stimulate chlorophyll production, bolstering a plant's metabolic processes and overall performance.

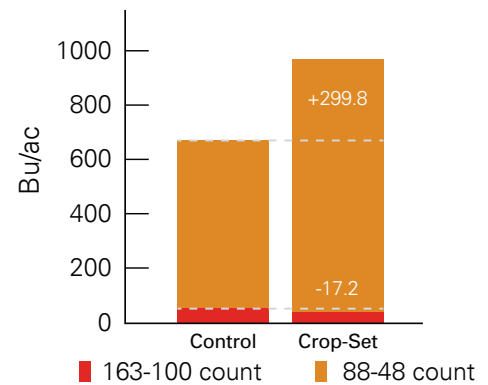
8 oz/A of **Crop-Set** 3 weeks before harvest will increase color and quantity of sellable fruit without synthetic residues.

Crop-Set provides optimal nutrition for enhanced root growth and reproductive formation, leading to enhanced quality.

Overall average percent fruit color at harvest



Bu/ac of sellable fruit >60% color, by size at harvest

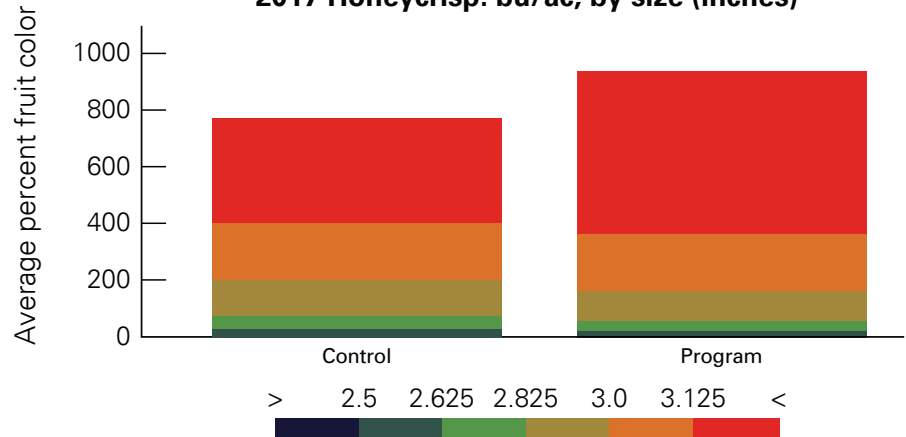


Trial conducted with third party in Lyons, New York.

In combination, **Soil-Set**, **Crop-Set**, **Agro-Mos** and **Galvanize Contact** delivered MORE, LARGER apples.

Treatments supported healthy, vigorous trees by enabling natural defenses against disease and stress.

2017 Honeycrisp: bu/ac, by size (inches)



Trial conducted with third party in Lyons, New York.

# APPLICATION TIMING

	Crop-Set					
	Galvanize Contact					
	Agro-Mos					
Soil-Set						
	SOIL HEALTH		CROP DEFENSE		CROP DEVELOPMENT	
	SOIL SET®	AGRO MOS®	GALVANIZE® CONTACT		CROP SET®	
Rate	16-32 oz/A	16 oz/A	16-32 oz/A	8 oz/A		
Application Timing	Apply every 45-60 days during growing season.	Apply beginning at 2" shoot length every 2-3 weeks, alternating with pesticide program.	Apply at bloom.	Apply 3 weeks before harvest to improve color.	Apply between petal fall and pea sized fruit to increase the number of flowers and fruit.	Apply at 1-1.5" timing to increase the size and uniformity of the crop.
For best results, application timing should be determined by the crop stage.						

## SCIENCE-BASED SUPERIORITY

In contrast to live microbial products, which require fostering a viable culture in precise environmental conditions, our products use the beneficial metabolites produced by microbes – not the microbes themselves. The result is a consistent, effective product every time.

### About fermentation and metabolite technology

HELM's crop advantage products are manufactured by Alltech Crop Science using a precise, controlled fermentation process that yields fermentation metabolites. These metabolites have a beneficial effect on soil and crops and act like the "active ingredient" of the product. They won't feed harmful microbes or pathogens, and, in many cases, will outcompete pathogens to reduce plant stress.

Metabolites are used based on their benefit and become the basis for products.

### Where our fermentation- and metabolite-based products win:

- Stable and stand up to most on-farm storage conditions.
- Can be stored for multiple growing seasons without compromising quality.
- Compatible with most tank mix chemicals.
- Produced in a laboratory setting for high precision, uniformity and consistency with every batch.

Geek out on **more** fermentation science:



Give this year's apple crop the ultimate advantage.

Reach out to your regional HELM sales rep today.



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