

# Testimonials

*"We've been using BAM-FX for about six months on our commercial nursery and farm company and have shortened our harvestable regrowth from 73 days to 58 days, along with excellent success with regrowth on other crops."*

Ron Trunk, Owner, Iron Mountain Nursery & Farm Stage Coach, NV

*"I have used BAM-FX on multiple crops for both farm and greenhouse production. I believe the product is very beneficial as a precision agricultural product for efficiently supplying highly bio-available forms of Zinc, Copper, Sulfur and Nitrogen to crop plants."*

*BAM-FX's formula has multiple growth promoting effects and markedly enhances both crop yields and the nutritional quality of crop plants."*

John L. Freeman, PhD

Plant Biochemist, Molecular Biologist, Food Chemist  
 Director of Scientific Affairs & Principal Investigator  
 Intrinsyx Technologies Corporation, NASA Ames Research Park



## BAM AGRICULTURAL SOLUTIONS

[bamagsolutions.com](http://bamagsolutions.com)

**BAM-FX.com**

561.416.0400

Contact your local representative:



# BAM-FX<sup>®</sup>

THE KEY TO POWERFUL PLANTS<sup>®</sup>





Infected pomegranate plant      Same plant after BAM-FX treatment

## What is BAM-FX?

**BAM-FX**<sup>®</sup> (Bio-Available Minerals-Formula X) is a plant priming technology for production agriculture that utilizes the latest scientific discoveries in biochemistry, agronomy and chemical engineering to enhance nutrition efficiency, biotic and abiotic stress tolerance, and crop quality. **BAM-FX** enhances nutrient availability and use, strengthens the plant's innate immune response, and enhances the performance of other inputs.

**BAM-FX** works by activating a plant's innate immunity and enhancing plant vigor to respond more strongly to both biotic and abiotic stress factors (i.e. insects, plant pathogens, drought, flooding, excessive heat or cold) throughout the crop life cycle.

Higher profit margins are achievable through increased yield and farm crop value, the ability to save crops that would otherwise have to be destroyed and enhancing the performance of other crop protection inputs.

Initially developed for use by NASA astronauts to grow fresh, robust and nutrient-dense food crops in space, BAM-FX offers significant benefits for plants here on Earth when used as part of a standard protocol. The result is more robust plants with greater yield and quality.

## Benefits of BAM-FX

Observed results and independent lab analyses from multi-season field trials worldwide on a large variety of crops have consistently demonstrated:

- Increases yield/less culls
- Greater biomass
- Improves Brix (sugar) content
- Improves end product's nutritive contents and value
- Higher levels of chlorophyll
- Faster ripening/earlier flowering
- Improves nutrient absorption and use
- Improves seed germination and seedling survival rates
- Increases root biomass and development
- Increases fruit size
- Increases the end product's nutritive content and value
- Strengthens innate immune response to biological and environmental stress factors



Control vs. **BAM-FX** Hass Avocado (both picked on same day)

## The Science of BAM-FX

- **BAM-FX** is formulated to enhance plant growth and development through increased nutrition efficiency, abiotic stress tolerance and/or crop quality traits.
- **BAM-FX** without genetic modification, changes the plant's physiology and activates an innate immune response, which greatly enhances metabolic pathways for nutrient absorption and promotes the development of defense genes that cope with stress throughout the crop life cycle.
- **BAM-FX** achieves the development of defense genes, through enhanced plant metabolism, allows for increased nutrient absorption and use and systemic resistance to biotic and abiotic stress factors throughout the crop life cycle.
- **BAM-FX** activates plant defenses through increased nutrient uptake through roots, chlorophyll content and photosynthesis, antioxidant activity to reduce abiotic stress and elicitor activity to reduce biotic stress.
- **BAM-FX** creates a systemic response, which is a form of induced resistance that is activated throughout a plant after being exposed to elicitors via foliar application.
- **BAM-FX** has demonstrated the ability to help improve soil structure, function or performance, enhancing plant response.
- Extensive **BAM-FX** field trials on a large variety of crops across a broad range of climates and conditions have consistently demonstrated the superior yields at harvest due to enhanced rooting, increased plant growth and better fruit or grain development.