



# **BLACKMAX<sup>®</sup> 22** **EDUCATOR**



# IF YOU FEED IT, YOU NEED IT!

**BLACKMAX 22** is a nutritional enhancement tool designed to positively impact nutrient availability and support positive soil attributes. As part of a fertilizer program the C<sup>2</sup> Technology in BLACKMAX 22 can give growers more nutrition for their crops and provide a better soil environment in which to grow.

## FEATURES

- C<sup>2</sup> Technology to enhance applied nutrient availability and uptake
- Contains extracted carbon and a carbohydrate package for nutrient chelation and soil amendment properties
- Sound, efficient formulation compatible with many fertilizers

## RATES

0.5-4 gal/A banded or broadcast

## GROWER BENEFITS

- Enhanced existing nutrient mineralization and nutrient solubility
- Designed to promote beneficial microbes to drive soil process that makes nutrition move available to the growing crop
- Sound, efficient, flexible formulation

## ANALYSIS

0-0-4 with C<sup>2</sup> Technology

BLACKMAX 22 IS NOT REGISTERED FOR SALE OR USE IN CALIFORNIA

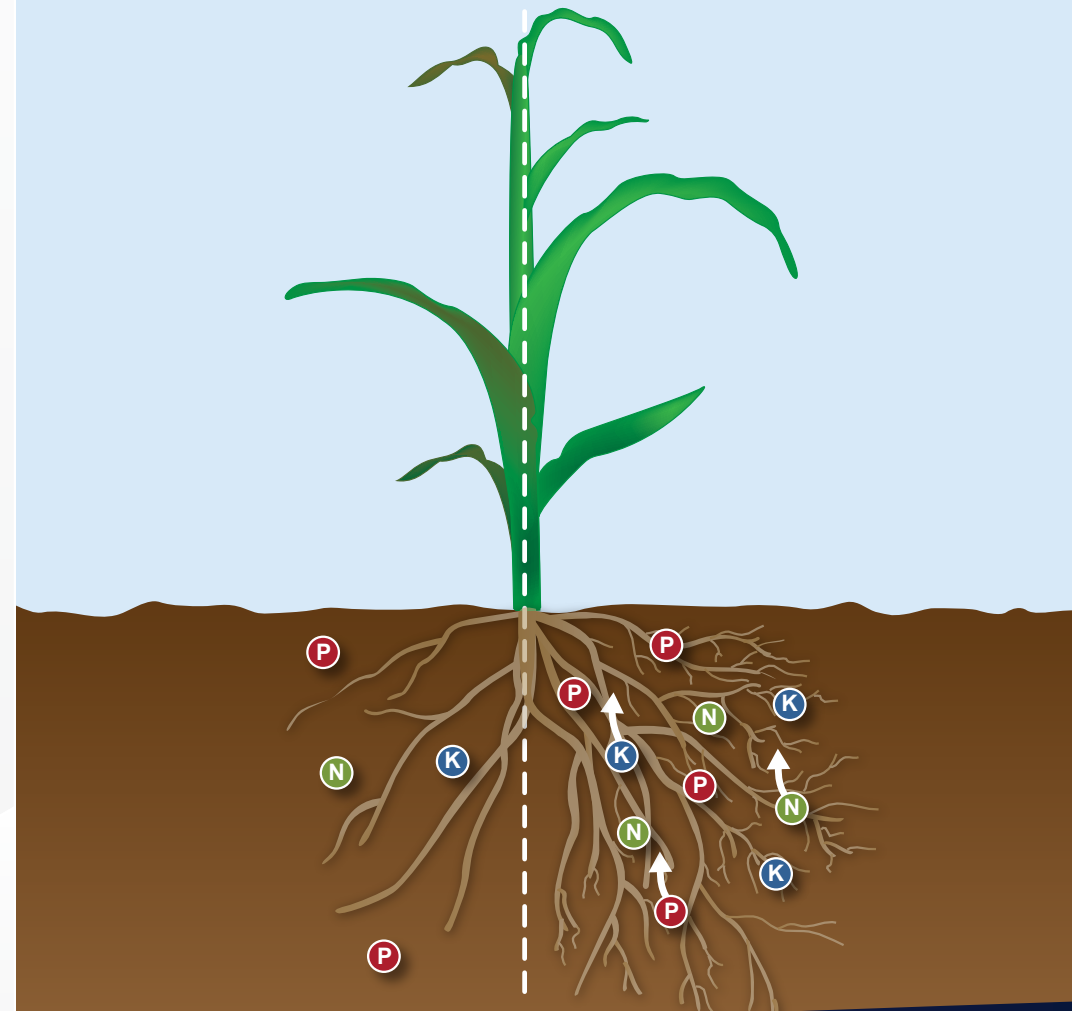
## STANDARD FERTILIZER PROGRAM VS. BLACKMAX<sup>®</sup> 22 ENHANCED FERTILIZER

### Standard Fertilizer Program

- Limited nutrient mineralization/ solubility
- Poor soil structure
- Weak root mass
- Potential for root/tissue burn

### **BLACKMAX<sup>®</sup> 22**

- Positively impacts soil structure
- Encourages root mass
- Limits the potential for root/tissue burn from fertilizer
- Promotes beneficial microbes
- Higher productivity potential per acre



# WHAT IS C<sup>2</sup> TECHNOLOGY?



C<sup>2</sup> is a proprietary technology consisting of extracted carbon and carbohydrate reacted with nutrients for improved soil and plant performance.

**Carbon:** Increases nutrient availability by fostering growth of beneficial soil microbes and positively impacting soil attributes, creating better holding capacity for nutrients and water.

**Carbohydrate:** Improves nutrient uptake and availability in both soil and foliar applications.

## BENEFITS

### Carbon

- Unique carbon components drive chemical, biological activity in the soil as well as promote soil structure.
- Carbon serves as a storage structure for beneficial soil microbiome.

### Carbohydrate

- A food source for beneficial soil microbes as well as energy source for the plant.
- Assists in complexing nutrients for increased availability.

### Extracted

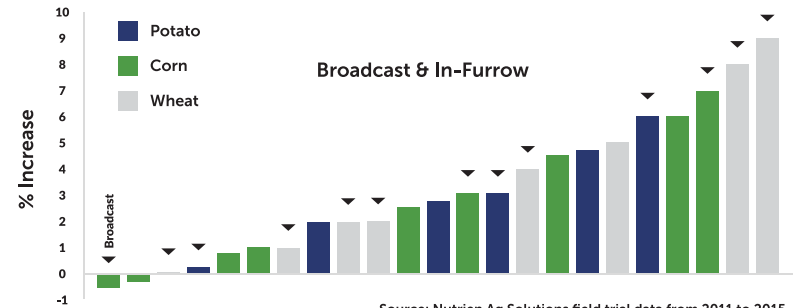
- Proprietary method creates customized carbon extractions to meet the unique needs of each nutrient with which they are combined.
- Extraction method results in a more stable end product.

### Reacted

- Nutrients are reacted under heat and pressure to form a stronger bond to increase fertilizer efficiency and reduce soil tie-up.
- Resulting complex provides flexibility in application.

### BLACKMAX 22

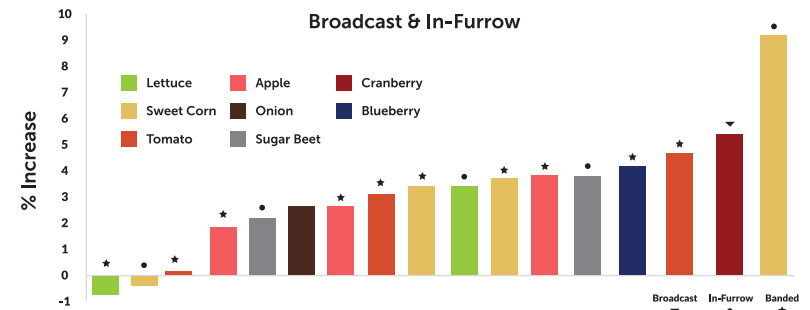
Soil Application (Row Crop)



Source: CPS field trial data from 2011 to 2015

### BLACKMAX 22

Soil Application (Row Crop)



Source: CPS field trial data from 2011 to 2015

## AT A GLANCE

<b>APPLICATION</b>	Suitable for soil-applied fertility with foliar flexibility
<b>KEY FEATURES</b>	<ul style="list-style-type: none"> <li>Enhanced existing nutrient mineralization and nutrient solubility</li> <li>Designed to promote beneficial microbes to drive soil process that make nutrition move available to the growing crop</li> <li>Sound, efficient, flexible formulation</li> </ul>

## USES AND RATES

KEY CROPS	SOIL APPLIED RATE	FOLIAR APPLIED RATE
Cereal Grains	0.5-4 gal/A in-furrow or banded	1-12 qts/A per application
Legume Vegetables	0.5-4 qts/A	1-12 qts/A per application
Root and Tuber Vegetables	0.5-4 gal/A in-furrow or banded	1-12 qts/A per application

## BLACKMAX® 22 IS PART OF A SOUND NUTRITIONAL PROGRAM THAT MAY INCLUDE:



The leading phosphate fertilizer built with C<sup>2</sup> Technology to provide sound, efficient and immediately available phosphate-based nutrition. C<sup>2</sup> Technology reacted with nutrition promotes extended nutrient uptake and supports a better soil environment for better results at harvest.



A patented formulation of IBA and kinetin, in optimized ratios, to enhance early season vigor and drive maximum root growth. The proven technology in RADIATE® provides growers with consistent performance across a wide variety of crops.

\*Radiate is not Registered in the State of California



A combination of ACCOMPLISH technology, which drives nutrient mineralization, plus natural marine-based technology to improve crop tolerance to abiotic stresses like cold spring temperatures and salinity from applied fertilizers.



**GET GROWING.**

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