

ENHANCE YOUR NITROGEN

# CarbonWorks Cetain®

## ANALYSIS

pH: 2.2 – 2.6

Molecular Oxygen: +250

Stabilize nutrients and boost microbial activity in one pass. CarbonWorks Cetain is the preferred nitrogen enhancement for growers striving to achieve maximum yield.



STABILIZE  
NUTRIENTS



DELIVER OXYGEN & FOOD  
TO SOIL MICROBES



CLEANSE THE SOIL OF  
SALTS & OTHER TOXINS



INCREASE  
ROOT GROWTH

## HOW IT WORKS

CarbonWorks Cetain capitalizes on carbon's powerful nutrient holding capabilities to stabilize your nitrogen in the soil.

And we've gone one step further.

Our newest nutrient stabilizer brings a second critical element to the mix—oxygen. The aerobic microbes responsible for making nutrients available for your corn plants cannot survive when your soils become overly saturated and devoid of oxygen. CarbonWorks Cetain delivers a timely supply of molecular oxygen to ensure they can perform their job.

This combination preserves the environment while giving you a better chance at success, even when the conditions become unfavorable.

## BASIC USE

CarbonWorks Cetain can be mixed with liquid fertilizers that are injected into the soil or applied on top of the soil. It can also be impregnated with urea for incorporated broadcast or top-dress applications.

### Application with UAN

For fertilizer application rates less than 30 gallons per acre, mix 1 ounce of CarbonWorks Cetain per 1-2 gallons of liquid fertilizer.

For fertilizer application rates greater than 30 gallons per acre, mix 1 ounce of CarbonWorks Cetain per 3-4 gallons of liquid fertilizer.

### Application with Urea

Mix 1 ounce of CarbonWorks Cetain per 25 pounds of urea.

## NET PROFIT

# +\$29 /AC\*

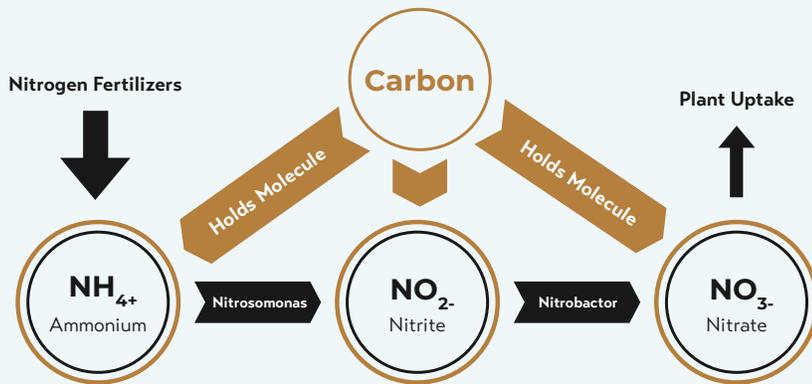
Based on the 2-year average yield increase of 7.4 bu/ac when added to liquid UAN at a corn price of \$5.00/bu.

\*The yield data on this sheet is from 2 years of replicated field trials.

## CARBON

# Smarter nutrient stabilization.

## CARBON HOLDS EVERY FORM OF NITROGEN



The nitrogen conversion process converts synthetic nitrogen fertilizers (NH<sub>4</sub>) to the most readily available form of nitrogen for your plants (NO<sub>3</sub>). However, this same form is also the most easily lost. To prevent loss, some nitrogen stabilizers kill off the soil bacteria necessary for completing this conversion process. Others hold the nitrogen fertilizer in the NH<sub>4</sub> form longer. Only carbon holds all 3 forms of nitrogen in the soil, giving you the widest range of protection against loss without harming your soil microbes.

Nitrogen molecules and soil particles repel each other.

Carbon creates a link that holds your nitrogen to the soil.

The oxygen in CarbonWorks CetaiN® boosts microbial activity to make more of your nitrogen plant-available.

