

# Deploy.

ENVIRONOC 401 is applied at a rate of 1 pint per acre. It can be applied through planters, sprayers, micro-misters, drip and center pivot irrigation.

# Unleash.

Versatile beneficial microbes bring atmospheric nitrogen into the rhizosphere (root area) and produce plant growth stimulating hormones.

# Reclaim.

Diverse microbe strains can solubilize insoluble forms of phosphorus, making them available to the plants, and release compounds (Siderophores) that help capture iron.



CORN



POTATO

## Deploy. Unleash. Reclaim

ENVIRONOC 401 is only part of the story. Add these other Biodyne products to your annual program to help your farm work harder for you – naturally.



Reduce solids, sludges and odors and release vital nutrients with ENVIRONOC 301. This non-GMO product uses strains of microorganisms to enhance your waste control operations.



ENVIRONOC 501 Biological Stubble Digester is a broadcast application utilizing high concentrations of non-GMO microbe strains blended to boost the natural process of breaking down and recycling nutrients from residue and stubble back into the soil, preparing the soil for next season's crop.



Deploy. Unleash. Reclaim.



Helping Nature Help Itself

# Stronger plants. Stronger profits.

You've been at this a long time. You already know how to squeeze every penny of profit out of every acre of land. But what if you could employ your crops to work for you? What if you could effortlessly grow stronger, thriving plants that feed themselves and the soil around them, while building soil health?

Meet Biodyne's ENVIRONOC 401 PLANT BIOSTIMULANT, a solution with a unique and diverse team of naturally occurring beneficial microbes, present in high counts (billions per gallon). ENVIRONOC 401 improves sustainability, supports quicker germination and stand, increases plant health and encourages vigor, productivity and soil condition [tilth]. Plus, it does all of this by increasing the efficiency of old and newly applied fertilizers while reducing the impact of over applying N, P, and K.

What does this mean for you? A simple and straightforward approach to improved profitability. ENVIRONOC 401 is easy to use and can adapt to most any tillage practices, from conventional till to no till. The ENVIRONOC team of microbes works in both soil and soil-less media (hydroponics) and with all plants. It can be run through planters, sprayers, micro-misters, drip and center pivot irrigation. Use of the product results in increased nutrient release and leads to quicker establishment, bigger root masses, larger leaves, larger plants and greater yields of higher quality crops.

## Inside ENVIRONOC 401.

Just like every Biodyne product, ENVIRONOC 401 harnesses the power of naturally occurring microorganisms. The blend is formulated to maximize the natural growth process without the need for excessive synthetic fertilizers. A specialized combination of live microbes manufactures enzymes (catalysts) to help stabilize applied soil nitrogen and grab nitrogen from the air, incorporating it in to the soil. 401 microbes also release phosphate and iron that are present in soil minerals but held in an unavailable form to plants.

Various strains in the blend produce and make available vitamins and root growth stimulants and form various enzymes and signal compounds designed to feed and communicate messages to the roots of the plants. Yes that's right, your plants finally have someone to talk to.

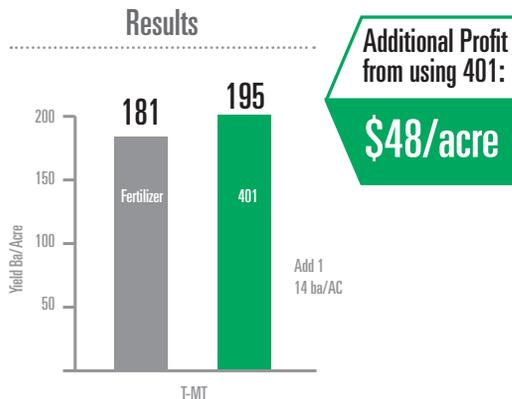


## ENVIRONOC 401 at work.

ENVIRONOC 401 has been tested on a wide range (hundreds) of popular crops all over the world with outstanding results.

### Corn Trial 2015 | Noblesville, Indiana

An 80 acre field was fertilized with a standard corn fertility program. 40 acres of that field were treated additionally with ENVIRONOC 401 at the rate of 1 pint per acre in furrow with the starter fertilizer.



### Soybean Trial 2015 | Independent Research Plot

Two plots, A & B: Seed variety and rate was identical for both plots: Pioneer P34T07R2 / Seeding Rate: 150,000 seeds per acre. Herbicide Application was identical for both plots: Preemergence: Sequence / Postemergence: Touchdown.

	Plot A	Plot B
Treatment	100 lbs./acre 18-46-0	No Added Fertilizer
	100 lbs./acre 0-0-60	ENVIRONOC 401 (1 pint/acre in furrow)

