CORN

PRODUCT PORTFOLIO

biotrinsic™ by indigo

SATISFACTION GUARANTEE 100% with replant policy.

INDIGO'S BIOLOGICAL SEED TREATMENT

Plant for Performance and Grow with Confidence

CORN

biotrinsic™ M33 + M34

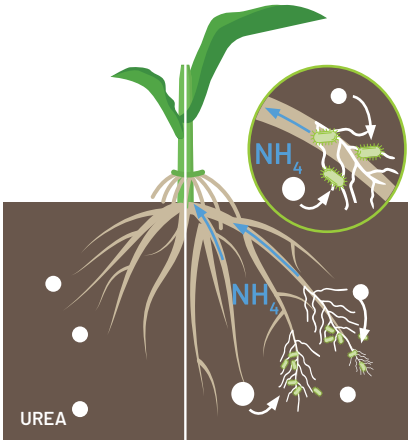
biotrinsic™ M33+M34 is a combination of two live microbes that allow the corn plant to better utilize nitrogen while helpin to protect it from yield robbing stress. These microbes work directly with the roots providing nitrogen that would otherwise be unused in the soil.

2 NEW BREAKTHROUGH TECHNOLOGIES COMBINED TO INCREASE NUTRIENT UPTAKE IN STRESSFUL CONDITIONS

What if your corn could spend less energy acquiring and converting nitrogen and use that energy to improve yield?

After all, nitrogen is the most important and expensive nutrient for corn growth and yield.

- M33+M34 ADHERES DIRECTLY TO THE SEED AND BEGINS TO WORK THE MOMENT YOU PLANT IT IN THE SOIL TO START ACQUIRING AND CONVERTING UREA INTO AMMONIA THE PLANT CAN USE.
- IT PROVIDES AN AVERAGE OF 17 LBS NITROGEN AND UP TO AN INCREASE OF 42 LBS. A YIELD INCREASE OF 5 BUSHELS HAS ALSO BEEN OBSERVED PROVIDING GREATER RETURN ON YOUR NITROGEN INVESTMENT.



FEATURES AND BENEFITS

- THE COMBINATION OF THESE TWO LIVE MICROBES FORM A SYMBIOTIC RELATIONSHIP WITH THE PLANT TO PROVIDE ENHANCED NITROGEN UPTAKE BY FACILITATING THE CONVERSION OF UREA TO AMMONIUM FOR GREATER PLANT UPTAKE, GROWTH, AND YIELD.
- HAS BEEN SHOWN TO IMPROVE THE ROOT VOLUME AND SURFACE AREA ALLOWING FOR GREATER NUTRIENT AND WATER MINING.
- IMPROVED DROUGHT AND HEAT TOLERANCE THAT LEADS TO INCREASED YIELDS.
- BY APPLYING IT DIRECTLY TO THE SEED THE MICROBES ARE ADHERED TO THE ROOTS WHERE IT STARTS WORKING IMMEDIATELY SUPPORTING PLANT HEALTH AND NUTRITION. YOU DON'T HAVE TO WORRY ABOUT WEATHER EVENTS STRIPPING AWAY YOUR INVESTMENT.
- EASY TO USE FLOWABLE FORMULATION WHICH ALSO IMPROVES SEED FLOWABILITY AND CAN BE APPLIED DIRECTLY IN THE PLANTER BOX, PRO BOX, MINI BULK, OR SEED TENDER.

17 lbs
Nitrogen

Average lbs of Nitrogen with a maximum of 41 lbs observed

+5
bu/a

Average Yield Uplift

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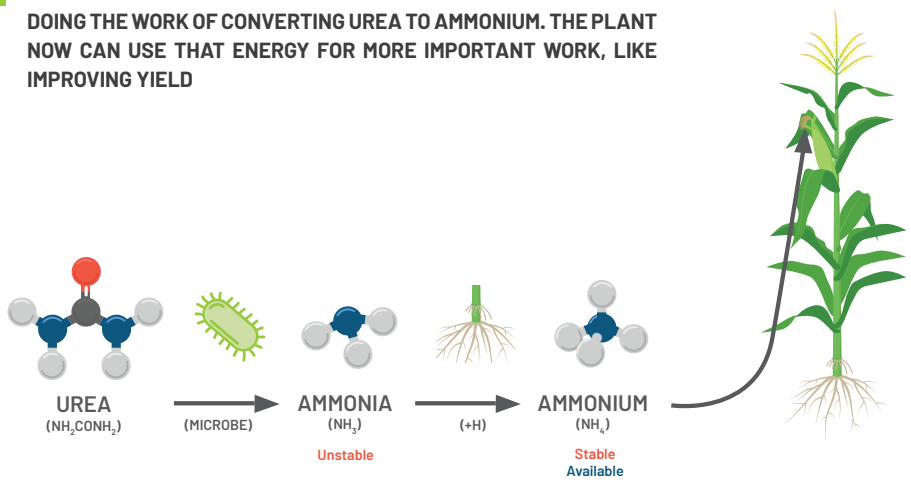
HOW IT WORKS

biotrinsic™ M33 + M34 microbes have been shown to help bridge the gap between soil nitrogen and plant nitrogen. They seek out soil nitrogen and improve the conversion of soil nitrogen into the most stable and desired form the plant can use for greater plant uptake, growth, and yield.

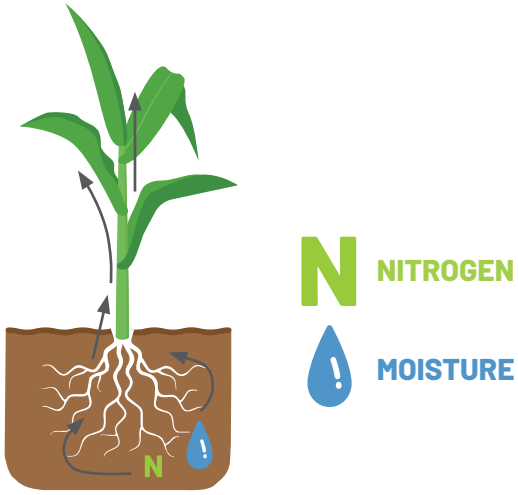
- **THIS SAVES THE PLANT ENERGY BECAUSE THE MICROBES ARE DOING THE WORK OF CONVERTING UREA TO AMMONIUM. THE PLANT NOW CAN USE THAT ENERGY FOR MORE IMPORTANT WORK, LIKE IMPROVING YIELD**

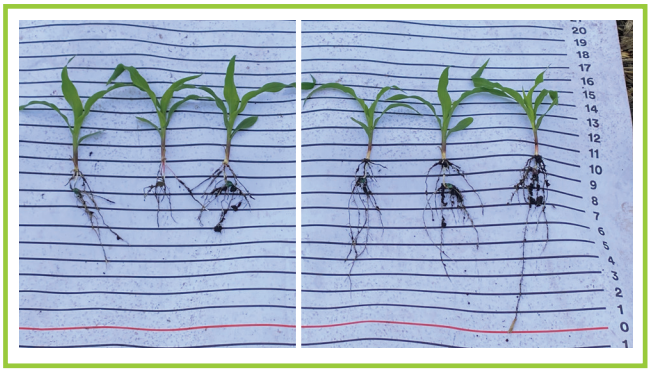


IMPROVED ROOT MASS AND LENGTH LEADS TO GREATER NITROGEN AND MOISTURE ABSORPTION CAPACITY

biotrinsic™ M33 + M34 microbes have been shown to increase root mass and length. It improves nitrogen and moisture absorption capacity in two ways:

- **THE ROOTS EXTEND INTO AREAS OF THE SOIL WHERE THEY CAN ACCESS MORE NITROGEN AND MOISTURE**
- **THE MICROBES ACT AS AN EXTENSION OF THE ROOTS AND HELP ACCESS MORE NITROGEN AND SOIL MOISTURE**





Untreated biotrinsic™

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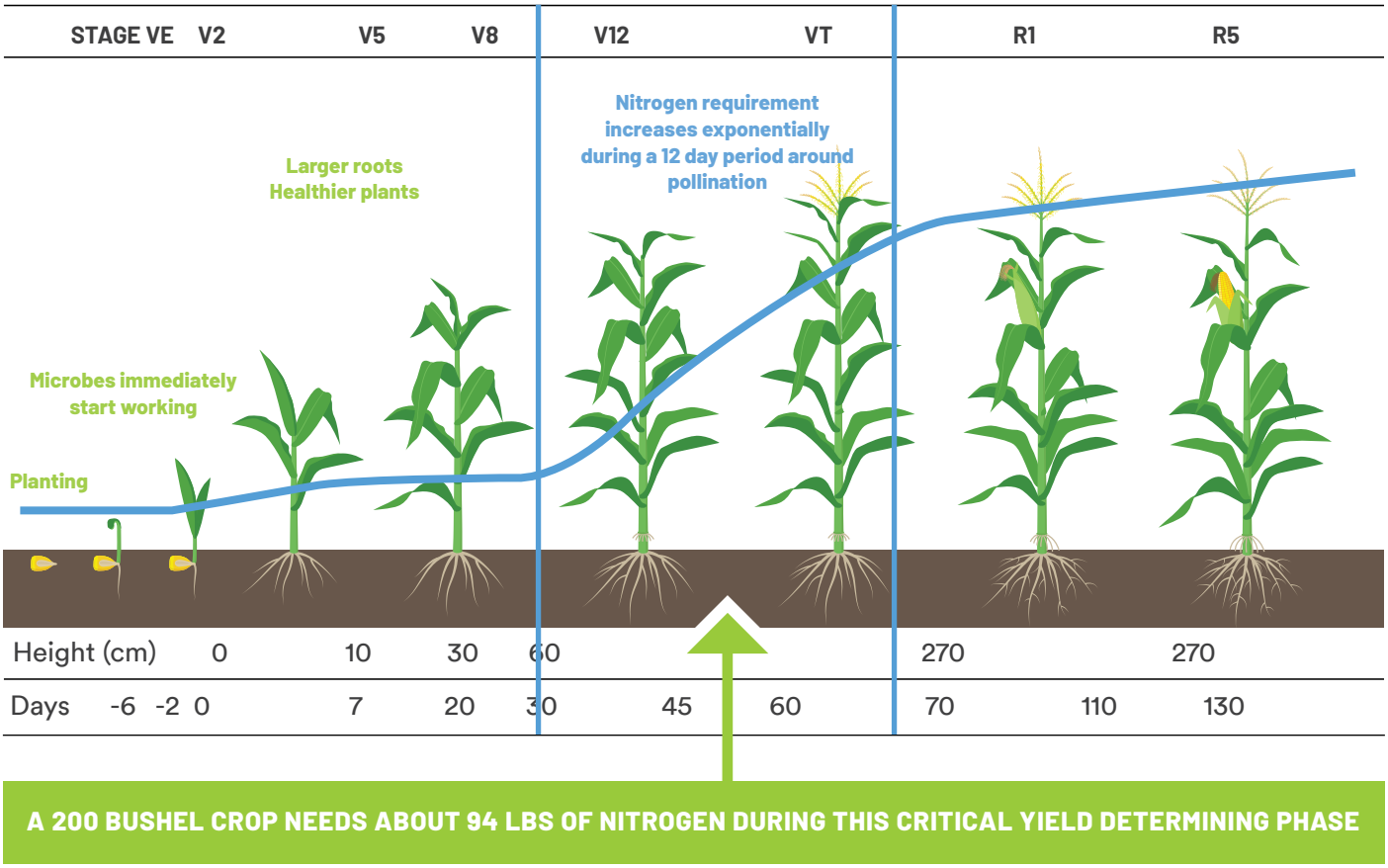
DROUGHT AND NITROGEN UPTAKE

Drought can decrease the plant's nitrogen uptake from the soil and reduces the concentration of nitrogen in plant tissue. Nitrogen uptake in dry soil is reduced primarily by the inhibition of root growth along with a decrease in nitrogen transport in the soil to the root surfaces.



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PRODUCT DETAILS

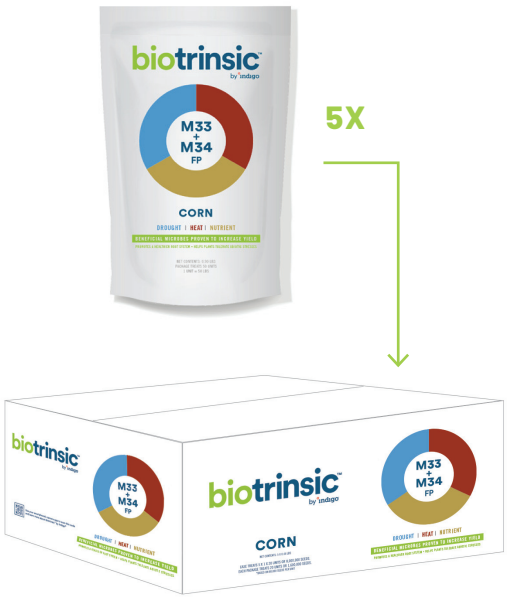
CAN BE USED ON

- Fields where nitrogen deficiencies have limited yields in the past
- Fields where nitrogen may be adjusted to save costs
- Fields where nitrogen loss is a concern or issue
- Dryland fields where rain fed crops are limited by moisture
- Crops that are planted in an ideal or late planting window
- Irrigated fields where irrigation is limited in amount of water that can be applied or efficiency of applied water
- Fields where elevation changes make water infiltration into the soil profile difficult
- Fields where soil texture is limiting water holding capacity
- All corn hybrids and traits

Pkg Treats	Pkgs/ Case	Case	Case Treats	Unit Measures
20 units	5	5x1x20	100 units	50 lbs
50 units	5	5x1x50	250 units	50 lbs

HOW TO USE IT

- Can be applied to corn seed at any time in the pro box, mini bulk bag, seed tender, or planter hopper (always follow recommended on seed stability guidelines).
- The low use rate allows additional room on the seed so it can be applied with other products like talc and graphite due to its low use rate.
- The low dust formulation allows it to be used with equipment and operators where dust off is a problem.
- No expensive additional equipment is needed to apply and it can be used with any planter.
- By applying it directly to the seed the microbes are adhered to the roots where it starts working immediately supporting plant health and nutrition. You don't have to worry about weather events stripping away your investment.
- Application on the seed is the catalyst that creates an immediate team between microbes and plants positively improving plant and root growth with no wasted time. Our seed treatment starts working the moment you plant because it's on the corn seed. With in-furrow treatment the corn plant must grow to the treatment which could take many days.
- 15 days on-seed stability provides the flexibility you need during the planting season.
- Broad chemical compatibility so it can be used with your existing treatments. Always reference the Indigo Ag compatibility guide.



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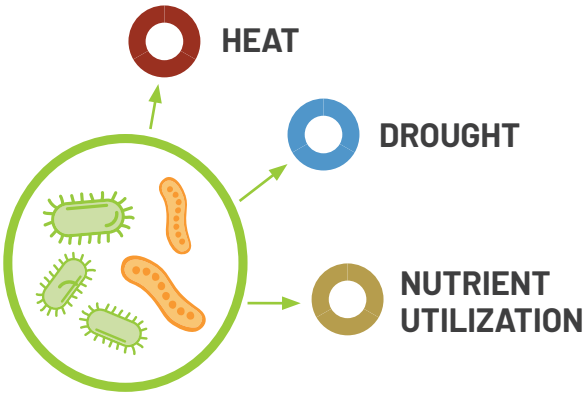
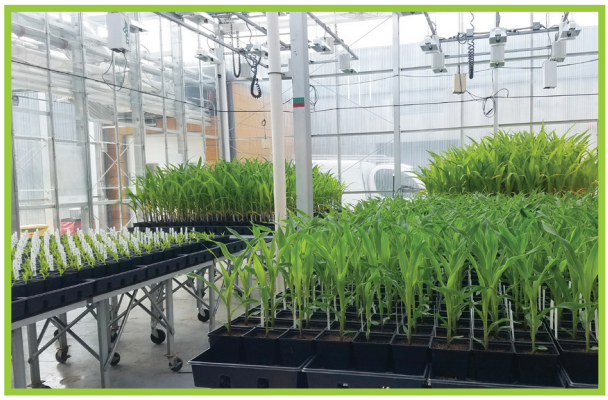
THE SCIENCE BEHIND THE DIFFERENCE

Microbiomes, or communities of microbes, help maintain internal processes for all living things – Indigo focuses on identifying microbes that have evolved in conjunction with plants over time to optimize their health and maximize their productivity.

At Indigo, we identify which of these microbes are most beneficial to a plant's health through the application of algorithms and machine learning. We further prove their performance at our research laboratories and greenhouses in Boston, Massachusetts and Research Triangle Park, North Carolina along with extensive field trials throughout the United States. Our resulting seed treatment products complement a plant's natural process to improve health and development across each phase of life, while boosting crop yields.





WHAT MAKES BIOTRINSIC™ DIFFERENT

More Beneficial for Your Crop

Microbes are selected to address the key stresses that limit crop yield potential. This allows you to select the right biotrinsic™ products based on the stresses that have the greatest impact on your farm.

From Plants for Plants

biotrinsic™ is a collection of over 30,000 all naturally occurring microbes that have been extracted from plants thriving in stressful conditions. We isolate microbes that are abundant in plants that are thriving under stress while other plants around them are not. This allows us to tailor our products to a specific crop and set of stresses.

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