



Composition

Methylobacterium symbioticum

Application

Timing: Apply to growth stage V4-V8

Rate: 5 oz/A

Max. applications per crop cycle: 1

- Best applied in the early morning, when a greater number stomata are open
- Spray volume: between 10 and 25 GPA
- Water total chlorine content: < 2 ppm
- Water pH: between 5 and 8
- Rain fast: one hour after application
- To be used within current nitrogen programs

Utrisha™ N nutrient efficiency optimizer

Fixes nitrogen from the air and converts it for the plant

- 1 Enters the plant through the stomata and gets into the leaf cells.
- 2 Converts N_2 from the air into ammonium resulting in a constant supply of amino acids to the plant

Flexibility

Supplemental nitrogen source to add to nitrogen management program

Effective

Enhances Nitrogen Use Efficiency (NUE) and reduces dependency on nitrogen uptake from the soil

Sustainable

Natural bacteria that can supplement nitrogen to the plant

Recommendations

- **Apply in healthy crops** unaffected by poor nutrition or other biotic/abiotic stresses
- **Apply with sufficient plant biomass**, when the crop presents good soil coverage
- **Apply to standard side-dressing fertilization timing** as closely as possible
- **Mix with water only** for best product performance
- **Spray volume:** between 10 and 25 GPA
- **Water total chlorine content:** < 2 ppm
- **Water pH:** between 5 and 8
- **Rain fast:** one hour after application
- To be used within current nitrogen programs

Corn yield increase from Utrisha™ N related to yield potential*

Yield environment	Yield increase
Low (120-179 bu/A) - 14 trials	+ 8.2 bu/A
Medium (180-219 bu/A) - 74 trials	+ 6.0 bu/A
High (220-280 bu/A) - 147 trials	+ 3.1 bu/A

*Data is based on average yield advantage of Utrisha N + optimal nitrogen application compared to optimal nitrogen application in 2021 field trials. Product performance is variable and depends on a variety of factors including but not limited to weather conditions, soil factors and manner of use or application. Individual results may vary.

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