



### Utrisha<sup>®</sup> N

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 overall 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

#### Composition

Methylobacterium symbioticum

#### Recommendations

- **Max. applications per crop cycle:** 1
- **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

**Application recommendations:**

Crops	Rate (per acre)	Timing**
<b>Horticultural crops</b>		
Artichoke, asparagus, asparagus ( <i>white</i> ), broad bean, broccoli, cabbage, cauliflower, carrot, celery, chard, escarole, fennel, garlic, leek, lettuce, melon, onion, onions ( <i>green</i> ), pea, radish, romanesco, spinach, sugar beet, watermelon	5 oz	Apply between BBCH 14 & 20 (4 leaf stage to beginning of tillering/ branch development)
Potato		Apply between BBCH 14 & 51 (4 leaf stage to flower bud appearance)
Strawberry		Apply between BBCH 14 & 61 (5 leaf stage to beginning of flowering)
Cucumbers, eggplant, peppers, pepper for paprika and tomatoes, zucchini		Apply between BBCH 20 & 51 (beginning branch development to flower bud appearance)
<b>Cereals, grain &amp; fiber crops</b>		
Canola, cereals, rapeseed, rice ( <i>winter, spring</i> )	5 oz	Apply between BBCH 14 & 31 (4 leaf stage to the first detectable node in grass crops or rosette stage in broadleaf crops)
Cotton, grain legumes		Apply between BBCH 13 & 20 (3 leaf stage to early branch development)
Corn, sorghum, soybeans, sugar beets, sunflower		Apply between BBCH 14 & 18 (4 to 8 leaf stage)
<b>Hay &amp; forage crops</b>		
Alfalfa, range & pasture	5 oz	Apply between BBCH 21 & 39 (early branch/tiller development until just prior to initiation of reproductive growth stages)
<b>Woody crops</b>		
Citrus trees, fruit trees ( <i>pome, stone</i> ), nut trees, olive tree	5 oz	Apply between BBCH 31 & 39 (from beginning until the end of stem elongation)
Grapes		Apply between BBCH 15 & 75 (5 leaf stage to middle stages of fruit development)

\* For other crops and/or more information, consult your company representative for further information.

\*\* The BBCH indications are approximate and may vary according to the edaphoclimatic conditions and agricultural practices. It is recommended to apply close to the top-dressing fertilization application time, if applicable. For winter cereals, spray when cereal resumes growth after winter dormancy.

For more information on Utrisha N, please contact your local Corteva Agriscience territory manager or call **800-258-3033**.



Visit us at [www.corteva.us/utrisha-n](http://www.corteva.us/utrisha-n)

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