StabilureN®

- Climate change, weather fluctuation and the lack of precipitation affects modern agriculture.
- Crop yields are fundamentally influenced by the course of precipitation during the period after an application of nitrogen fertilizers.
- It is necessary to increase the effectiveness of nitrogen fertilizers, even under minimal rainfall.
- In the moment we cannot forecast which weather conditions will prevail, however, StabilureN® technology ensures that the applied nutrients persist in unchanged form until rain or irrigation allows them to penetrate the root zone.
- Reduction of nitrogen losses ensures the cost-effectiveness of inputs.
- Easy storage in original packing at temperatures between -20°C and +35°C
- Packed in 5, 10 and 20 l canisters, 600 and 1000 l IBC containers

Do you have any question? Do you need our assistance? Please contact us!
We will be more than happy to help you.

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AGRA®

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StabilureN® Patented Nitrogen Stabilizer

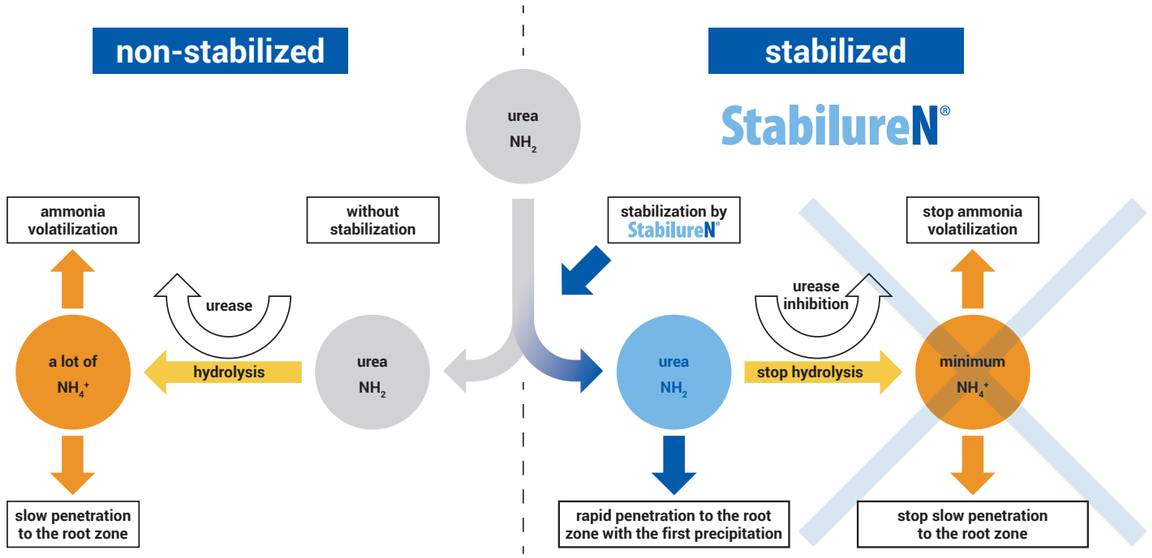
Urease inhibitor (NBPT) for granular and prilled urea, liquid UAN, UAS and urea solutions.

- *minimizes ammonia volatilization*
- *increases nitrogen efficiency*
- *applied nitrogen penetrates to the root zone with the first rain*
- *environmentally friendly*

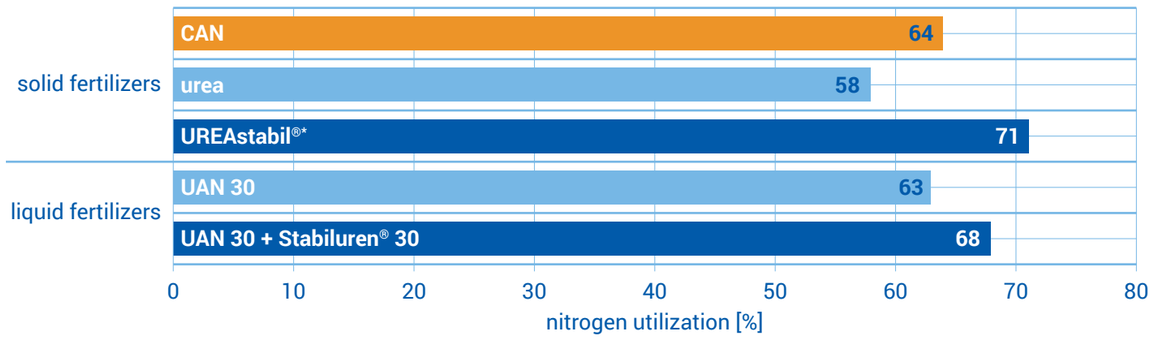
AGRA®

StabilureN® – patented nitrogen stabilizer:

- combines NBPT (urease inhibitor) together with unique organic solvent system tailored for urea and liquid fertilizers containing amidic/urea nitrogen. This formulation gives ability StabilureN® to be distributed extremely uniformly when applied
- protects urea nitrogen until it can penetrate deeper into the soil profile to the root zone, either during the first effective rainfall after application (i.e. precipitation approximately 5 mm), or through irrigation
- allows much more of the fertilizer's original nutrient content to be taken up by plants, either directly as urea nitrogen (NH_2), or after hydrolysis to ammonium nitrogen (NH_4^+) in the root zone which could be also held in the soil by sorption for later uptake
- improves nitrogen use efficiency, that results in higher and more stable crop yields, and reduced environmental pollution
- represents ideal technology to be used when the fertilizer is applied on the soil surface during the plant vegetation without mechanical incorporation to the soil profile
- is also proved for fertilizer application before or during sowing



Nitrogen utilization by winter wheat (Czech field trial results, Prague, 2016)



Dosage: 60 kg N/ha (isotopic labeled ^{15}N) Timing: beginning of flowering

*UREAstabil® is urea stabilized by StabilureN® technology; Souce: Crop Research Institute Prague

StabilureN® – Tailored solutions for fertilizers

StabilureN® TS25R (25% NBPT) liquid formulation for granular or prilled urea coating.

- high efficient homogeneous coating of each granule
- low viscosity even during low temperatures
- perfect adhesion to urea
- dosage:

treated fertilizer	StabilureN® TS25R
granulled or prilled urea	1,7 – 3,1 kg/t

StabilureN®30 (30% NBPT) for liquid UAN, UAS fertilizers, and urea solutions.

- excellent miscibility with UAN, UAS and with urea solutions
- may be used with common plant protection products
- does not increase the risk of UAN or UAS plant burn
- dosage:

treated fertilizer	StabilureN®30
UAN	1,1 – 1,24 l/m³
UAS	0,9 – 1,0 l/m²
Urea solutions	1,4 – 2,5 ml/kg of dissolved urea

NBPT content stability after preparation of StabilureN®30 and UAN 30 mixture (proved at 22°C)