

# StabilureN<sup>®</sup>30

auxiliary soil preparation with urease inhibitor



**Producer and supplier:** AGRA GROUP a.s., Tovární 201, Střelské Hoštice, Czech Republic

**Packaging:** 5 or 20 litre canister

## Chemical and physical properties

| Property                            | Value       |
|-------------------------------------|-------------|
| Urease inhibitor NBPT* content in % | min. 30     |
| Organic solvent content in %        | 69          |
| density in g/cm <sup>3</sup>        | 1,04 – 1,05 |

\*NBPT = N-(n-butyl) thiophosphoric triamide

StabilureN<sup>®</sup> 30 is a preparation designed to reduce the potential loss of nitrogen (N) from urea-based fertilizers broadcast on the soil surface. It reduces the volatilization of ammonia during hydrolysis of the urea, which is catalyzed by urease enzyme. For its use StabilureN<sup>®</sup> 30 can be dissolved in fluid urea-based fertilizers (e.g. UAN) at the recommended rates.

## Range and method of application:

StabilureN<sup>®</sup> 30 is primarily designed for mixing with liquid urea-based fertilizer (e.g. UAN) in recommended rate. Such mixtures can be used with manure application for 7 days after addition of StabilureN<sup>®</sup> 30 without significant losses in efficiency of inhibitor. However mixtures containing simultaneously phosphorus should be used within 1 day after mixing with StabilureN 30 without losses in efficiency of inhibitor.

StabilureN<sup>®</sup> TS (different solvent system) can also be spread on the surface of solid fertilizer (e.g. Urea) in appropriate blending machine at the recommended rate.

**Preparation must not be used in combination with fertilizers containing less than ½ of the total content of nitrogen in amidic form.**

| Recommended dosage  |   |
|---|---|
| Mixing with urea solutions                                | 1,4 - 2,5 L / 1000 kg of dissolved urea |
| Mixing with liquid urea-based fertilizers                 |   |
| – UAN   | 1 - 2 L / 1 m <sup>3</sup> of solution  |
| – fertilizer solutions with the content of urea (general) | 1,4 – 2,5 L / 1000 kg of dissolved urea |

Lower doses of preparation are recommended when fertilizers are used in lower temperatures of soil and in local application of the fertilizers (e.g. by application tubes, under-root fertilization etc.), higher doses are used in higher temperatures of the soil and during high biological activity of soil (e.g. abundant crop remains, application of organic fertilizers). Fertilizers treated by preparation StabilureN<sup>®</sup>30 are used similarly as untreated fertilizers. After adding into the above-mentioned fertilizers, preparation StabilureN<sup>®</sup> 30 reduces ammonia losses and improves the utilization of nitrogen from applied fertilizers by plants.

## Storage instructions:

**Recommended temperature of storage: from -15 °C to + 30 °C.** In case of the occurrence of crystals in a solution stored at lower temperatures than recommended, the crystals will spontaneously dissolve when the temperature of preparation returns to normal. This does not reduce the effectiveness of the preparation. However, it is not recommended to store the preparation at higher temperatures than recommended, otherwise its effectiveness might decrease. The specified

temperatures of storage (in particular the upper limit) also apply to fertilizers adjusted by the addition of StabilureN®30.

**Liquidation of packages and residues of the preparation:** Deliver empty PE containers for recycling or burning in an accredited incineration house. Use wash water to prepare the application solution for spraying. **Sanitation:** Clean the application device, personal protective means and auxiliary containers with 3% solution of soda. **Auxiliary soil preparation is delivered packaged.**

## DANGER

### StabilureN® 30 contains:

N-(n-butyl) thiophosphoric triamide.  
2-(2-methoxyethoxy) ethanol



**H318:** Causes serious eye damage.

**H361:** Suspected of damaging fertility or the unborn child

### Safe handling instructions:

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

**P280:** Wear protective gloves/protective clothing/eye protection/face protection.

P281: Use personal protective equipment as required.

**P305+P351+P338 IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P308+P313: IF exposed or concerned, get medical advice/attention.

**P401+P411:** Store in original packaging. Do not expose to temperatures exceeding 30 °C.

**P403+P404:** Store in a well ventilated place. Store in a closed container.

P501: Dispose of contents/container to recycling or burning in an accredited incineration house.

AGRA service: [www.agra.cz](http://www.agra.cz), tel.: +420 601 097 191