



**Proteus** is specially formulated for application to arable crops to enhance yield and quality.

It is a stabilised Nitrogen foliar feed containing Nitrogen in both the Ammoniacal and Ureic forms. It is formulated for optimum compatibility with agrochemicals and contains acidifying penetrants for rapid plant uptake.

The urea based Nitrogen content of the product is stabilised to reduce scorch, and it also contains a high level of instantly available Sulphur to improve nitrogen metabolism at uptake and to feed grain filling.

### Type:

Macronutrient

### Features

- A unique formula for full absorption within 45 minutes, without scorching even at high rates
- Independently measured at 85% plus nitrogen usage efficiency; Soil applied fertilisers struggle to do better than 55% efficiency
- Perfect combination of humectants, surfactants and spray retention agents which is uniquely optimised for foliar application and for eliminating ammonia volatilisation (no scorch)
- Urea thiosulphate form inhibiting nitrification
- Multiple forms of Nitrogen to satisfy every need of the crop, in wheat trials 35% less total nitrogen needed
- An extra sulphur boost in a rapidly biologically available form
- Can be adapted to local registration requirements

### Product Specs:

### Appearance:

Thick bronze liquid

**Typical analysis:**

Nitrogen (N) : 330 g/L  
Ureic N : 158g/L  
Ammoniacal N : 111g/L  
Nitrate N : 65g/L  
Sulphur (SO<sub>3</sub>) : 250 g/L

**Crop Types & Application rates:**

Rates from as little as 3L/ha are effective for use on young plants at the 3 Leaf stage.

During vegetative growth and before the leaf canopy offers ground cover, no more than 40L /ha is recommended.

The amount required will depend on the overall Nitrogen fertilisation regime and the growing conditions.

For enhanced oil content in Oil Seed Rape / Canola use 40 Litres per hectare or 2 x 25L/ha at Petal fall.

**Water Rates:** Where suitable spraying machinery is used, Proteus may be applied in water volumes as low as 200 litres per hectare for conventional hydraulic sprayers fitted with appropriate nozzles. Ideally a volume of 300 litres per hectare should be used for maximum coverage and uptake, with minimum scorch risk.

**Crops:** Proteus has been formulated specifically for the milling wheat crop or on oilseed rape at petal fall, where a top up dose of foliar Nitrogen is required to increase protein levels and enhance yield and quality of the crop. Proteus has been produced specifically to exploit that opportunity.

**Timing:** The application of Proteus needs to be carefully timed, as it is easy to be too late or too early in applying the product. The correct timing is at the milky ripe stage. However, it is unlikely that the whole crop will evenly achieve this growth stage at the same time. It may be preferable to split treat in these circumstances. If there is any doubt as to timing the single application correctly, then a split treatment may be recommended. Avoid spraying in hot sunshine; conditions at the start and end of the day are best for spraying foliar Nitrogen.

**Compatibility:**

**Proteus** is physically and chemically compatible with a wide range of agrochemical products.

For more information on specific tank mix compatibility, please speak to your distributor, qualified agronomist, or the team at Micromix Plant Health [info@micromix.com](mailto:info@micromix.com)