



Turf Rise MU

Slow Release Nitrogen with Methylene Urea

For many years Angus Horticulture has manufactured granular fertilisers containing methylene urea (MU), these products have proved popular and successful in many situations where an extended availability of nitrogen (N) is required. They're used on greens, tees and approaches as well as fairways and sports fields.

- Methylene Urea (MU) reduces the loss of available nitrogen for plants
- Reduces potential of nitrate ground water pollution
- Increases natural soil/root zone fertility (source of organic carbon)
- Reduces phytotoxicity and scorch potential
- Rapid root development
- Long lasting nitrogen up to 24 weeks
- Nitrogen availability is synchronized with plant demand
- Less nitrogen is lost to leaching and volatilisation, which reduces environmental impact
- Predictable results for healthy, green grass plants
- This range complements our ProLoNg™ range of nitrogen efficient fertilisers
- Very low salt index

Nitrogen sources:

Nitric N is immediately available to the plant and offers a quick response. Susceptible to leaching, nitrates are easily lost to the environment with damaging effects. Lush uptake of nitrates assimilated by the plant means that the grass plant will be more prone to disease due excess proteins stored in the leaf. The use of Turf Rise MU will substantially reduce these problems.

Ammonium N is plant available and unlike nitrates will only be assimilated when the plant requires the nitrogen. Nitrification converts ammonium to nitrates. Ammonium is subject to volatilization.

Urea while plant available as a foliar spray through the foliage, isn't plant available in the root zone. Hydrolysis takes place with the presence of soil moisture converting urea to ammonium. Urea is also subject to volatilisation – loss of N to the atmosphere.

Methylene Urea (MU) on the other hand is an extremely safe way of feeding nitrogen to plants offering a truly controlled release pattern over a period of weeks. The mineralization of MU nitrogen to ammonium depends on the soil micro-biology. Our MU, rather than inhibiting the activity of the microbes, improves the natural fertility, increasing and sustaining the population of beneficial micro-organisms.

The environmental conditions (temperature & moisture) that affect the growth and activity of the grass plant also regulate the activity of the micro-organisms. This means that the MU nitrogen is made available at the time when the grass plant most requires it for optimal root and shoot development.

Turf Rise MU

55% of N as MU 12/18 week*

15 - 1 - 15 + 1% MgO + 2.5% CaO + seaweed

Ammoniacal N 6.75%, Ureic N 8.25% including 8.25% N as MU
50% of Potash from Potassium Sulphate

Rate of Application:

35-50g/m²

20kg bag treats 400-571m²

Nutrients applied per m² @ 50g/m²

7.5g N – 0.5g P₂O₅ - 7.5g K₂O + 0.5g MgO + 1.25g CaO

1-2.5mm granules

suitable for greens, tees and all sports turf

**Longevities quoted are based on recommended application rates & are purely a guide, as plant variety, plant density and environmental conditions, as well as timing of application will dictate plant Nitrogen use and therefore the speed in which applied Nitrogen is utilised.*

Angus Horticulture's Turf Rise MU promotes high quality & healthy grass combined with encouraging healthy micro biology in your root zone.