



LIQUIMAXX 40-0-0

40% Stabilised Nitrogen

LIQUIMAXX 40-0-0 is a high concentrated stabilised liquid nitrogen, which delivers nitrogen over an extended period. LIQUIMAXX 40-0-0 reduces the losses associated with nitrogen such as volatilisation, leaching and denitrification.

The efficient use of nitrogen is quickly becoming the most critical issue in all types of crops grown. This certainly is the case in Turfgrass where the use of Urea and other Ammonium based fertilisers is used extensively. From the time these types of fertilisers are added to the ground a variety of chemical and environmental changes occur. These changes have a detrimental effect on nitrogen efficiency and the environment.

Urea once applied will undergo a hydrolysis (Breakdown) with the involvement of moisture and the urease enzyme. Urea is then broken down to ammonia and carbon dioxide. Both these gases will be released to the atmosphere in a process known as VOLATILISATION. This will account for up to 30% of the total nitrogen lost until the fertiliser reaches the soil profile. Up to 20 mm of rainfall or irrigation is required to completely place all Urea into profile. LIQUIMAXX 40-0-0 contains an additive (NBPT), which suppresses the enzyme activity of urease, and allows up to 2 weeks for the fertiliser to be incorporated in the soil.

Once the urea and other ammonium based nitrogen sources reach the soil profile an immediate oxidation process occurs called NITRIFICATION. With the aid of bacteria the process of converting ammonium to nitrite and then to nitrate production is unstoppable. Once the nitrogen has a negative charge it can be easily leached, as it cannot hold onto soil colloid, particularly in turf management where profiles are sandy and watering is frequent.

Another major loss of Nitrogen is when the soil

profile becomes saturated or waterlogged. The Anaerobic bacteria will strip the oxygen away from nitrates thus converting the nitrogen back to nitrogen gas (N₂) or nitrous oxide (N₂O). The gases are returned to the atmosphere. This process is called Denitrification. In both the cases of leaching and denitrification the additive in LIQUIMAXX 40-0-0 (DCD) can prevent these losses for up to 16 weeks by keeping the nitrogen in an ammonium form.

DIRECTIONS FOR USE: TURF

Tees & Greens: 0.2 - 0.5 L / 100 m²
Fairways: 20 - 50 L / Ha

APPLICATION NOTES:

Tees & Greens: 6 - 10 L water / 100 m²
Fairways: 400 - 1000 L water / Ha
Apply early morning or late afternoon.

PRODUCT ANALYSIS

		w/v%
Nitrogen	(N) as Stabilised Nitrogen	40.0

PRODUCT SPECIFICATIONS

S.G: 1.31
pH (Neat): 6.5 - 7.5
Appearance: Blue / Green clear liquid
Shelf Life: 3 years

AVAILABLE PACK SIZES & WEIGHTS

5 Litre: 6.8
20 Litre: 27.2
200 Litre: 271.5
1000 Litre: 1390.0