

**Simplot**

# LIQUIMAXX

WITH UMAXX TECHNOLOGY

# 10-1-10

**Stabilised Nitrogen and Potassium fertiliser with added Phosphorus and Iron to assist in managing quality turfgrass.**

**LIQUIMAXX 10-1-10 will aid in maintaining colour, growth and hardness in a controlled form. The Nitrogen is stabilised using UMAXX Technology.**



**ANALYSIS:**

10% Nitrogen as Stabilised.  
1% Phosphorus as phosphate  
10% Potassium as citrate  
0.5% Iron as EDTA chelate

**DIRECTIONS FOR USE TURF:**

Tees and Greens: 0.2 - 0.5 L / 100 m<sup>2</sup>  
Fairways: 20 - 50 L / Ha

**WATER RATES:**

Tees & Greens: 6 - 10 L / 100 m<sup>2</sup>  
Fairways: 400 - 1000 L / Ha  
Apply early morning or late afternoon.

**Simplot**

Available exclusively from your nearest Simplot distributor:

**SIMPLOT PARTNERS.** 20 DeHavilland Rd, Braeside, Vic 3195 (03) 9587 4993

**NRRBS.** 1/A Gateway Dr, Labrador, Qld 4215 (07) 5537 7323

**TURFCARE NSW.** Unit 8-24 Clyde St, Rydalmere, NSW 2116 (02) 9684 6611

**TOTAL TURF.** 2 Jessel Place, Duncraig, WA 6023 (08) 9448 5263

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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. LIQUIMAXX 10-1-10 is cost effective stabilised nitrogen with potassium, which helps overcome the inefficiencies and environmental impact of these nitrogen losses.

Urea once applied will undergo a hydrolysis (Breakdown) with the involvement of moisture and the urease enzyme. Urea will be broken down to ammonia and carbon dioxide. Both these gases will be released to the atmosphere. This process is 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 10-1-10 contains an additive (NBPT), which suppresses the enzyme activity of urease, and allows up to 2 weeks for the fertiliser to be incorporated.

Once the Urea and other Ammonium based nitrogen sources reach the soil profile and immediate oxidation process occurs called NITRIFICATION. With the aid of bacteria the process of ammonium to nitrite the nitrate production is unstoppable. Once the nitrogen has a negative charge it can be easily leached, as it cannot hold onto soil colloids. This leaching is another major loss of Nitrogen, particularly in turf management where profiles are sandy and watering is frequent.

Potassium affects the way a turf hardens off for the winter. Turfgrass deficient in potassium may suffer greater amounts of injury than turf grown with adequate potassium levels. This is all because of way the potassium helps the plant regulate the movement of water into and out of its cells. Potassium is essential in regulating the osmotic activity and turgidity of cells, important for stomata control. Higher concentrations of potassium will toughen, harden and make turf more durable as water will not fill the cells and make the turf soft.

#### The advantages of LIQUIMAXX 10-1-10 include

- More efficient use of all ammonium based fertilisers
- Less impact on the environment from these losses
- Economic
- Slow release effect without the use of coatings or polymers.

#### Compatibility

LIQUIMAXX 10-1-10 is compatible with a wide variety of commonly used spray chemicals. When mixing with chemicals always mix a small quantity (jar test) to observe if any reaction occurs. If jar test is negative do not proceed with application.

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