

Prestige Foliar Liquid Range

The Prestige range has been formulated to provide the highest level of foliar liquid uptake and performance. Foliar feeds bypass the root system, allowing the plant to be cut at a reduced height, whilst maintaining a healthy colour and feel.

Surfactants represent over 7.5% of the formulation, dramatically enhancing nutrient uptake by the leaves. The surfactants enable uptake through the cuticle on the plant leaf, not solely through the stomata.

An organic acid buffer ensures the spraying solution is maintained at around pH 5, ideal for rapid nutrient absorption.

Prestige liquids are 100% soluble and contain compatibility agents to improve mixing with water and other products in a spray tank. Complexing agents guarantee no adverse chemical reactions when pesticides are added in a tank mix.

All Prestige liquids should be applied at:
10 - 20 litres per hectare in 300 - 600 litres of water.



PRESTIGE

Super Turf Solutions

Prestige 14-3-7			
	w/w	w/v	g/l
Nitrogen(N)	11.97	14.0	140
Urea-N	10.7	12.5	125
Nitrate-N	0.85	1.0	10
Ammoniacal -N	0.42	0.50	5
Phosphorous (P ₂ O ₅)	2.54	3.0	30
Potassium (K ₂ O)	10.2	12	120
Nutrients applied (Kg/Ha)			
	N	P	K
10 lt/Ha	1.4	0.3	0.7
20 lt/Ha	2.8	0.6	1.4

Prestige 6-3-12			
	w/w	w/v	g/l
Nitrogen(N)	5.08	6.0	60
Urea-N	3.89	4.6	46
Nitrate-N	1.13	1.4	14
Phosphorous (P ₂ O ₅)	2.54	3.0	30
Potassium (K ₂ O)	10.2	12	120
Nutrients applied (Kg/Ha)			
	N	P	K
10 lt/Ha	0.6	0.3	1.2
20 lt/Ha	1.2	0.6	2.4

Prestige 10-0-10			
	w/w	w/v	g/l
Nitrogen(N)	8.96	10.0	100
Urea-N	8.96	10.0	100
Potassium (K ₂ O)	8.96	10.0	100
Nutrients applied (Kg/Ha)			
	N	P	K
10 lt/Ha	1.0	0.0	1.0
20 lt/Ha	2.0	0.0	2.0



Prestige Foliar Liquid Range

With a move towards sustainable golf, more turf managers are trying to maintain a healthy grass sward with reduced nutrient and financial input. With pressure to reduce cutting heights, increase green speeds yet maintain high levels of play, more interest is being shown in foliar feeding as a means of bypassing the root system of the plant enabling it to remain healthy even under stressed conditions.

The use of advanced formulation technology means that the all the products take into account

- Long term storage stability
- Mixing, miscibility or dissolution in spray water
- Compatibility with other products in the sprayer
- Ability to cover the leaf surface, adhesion and rainfastness
- Cuticle penetration and leaf uptake
- Mobility and translocation within the plant

Long term storage stability

Prestige formulations are manufactured using a specifically selected high grade of inorganic salts which are very low in impurities. During the manufacturing process the liquefied raw material is either filtered or allowed to settle for 24 hours, so reducing any remaining impurities to a minimum.

Mixing, miscibility or dissolution in spray water

Within the formulation there is an acidifying component which not only helps with the mixing and compatibility but also with nutrient uptake.

Compatibility with other products in the sprayer

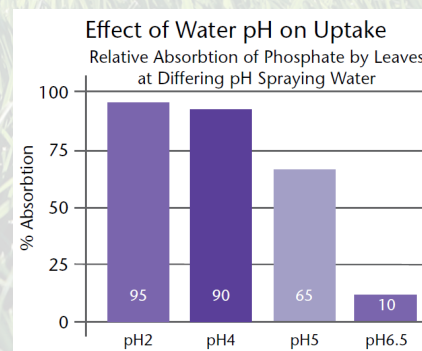
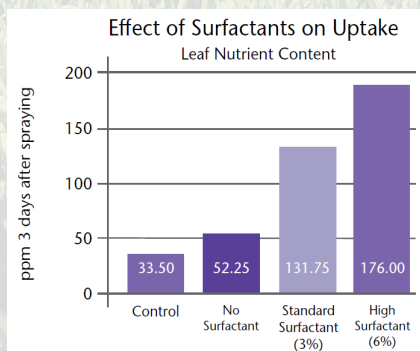
The complexing agents within the formulation ensure that the 'nutrient' element is protected from adverse chemical reactions with any pesticides which may be added to the tank mix.

Coverage of the leaf surface and adhesion

Carefully chosen surfactants reduce the surface tension of the spray droplet allowing for optimum spread and contact with the leaf surface, whilst at the same time giving a degree of rainfastness.

Uptake

The efficiency of uptake of many nutrient elements is enhanced by a slightly acidic solution and where possible, formulations are buffered to take account of this. The spreading action of the surfactants allows uptake though the cuticle of the leaf and does not limit penetration to the stomata.



Turfgrass leaf blade

Stomatal openings:
Historically the entryway into foliage for liquid fertilisers. Large openings, but more often closed than open.

Nutrients translocate throughout the plant

Prestige
Foliar Fertilisers

Transcuticular pore spaces:
These numerous but smaller pores are always open.

Prestige Foliar Fertilisers are formulated so the molecules are small enough to pass through these pore spaces and penetrate the leaf.

During the summer, roots are under stress and therefore limited in their ability to take up nutrients.

