

TURF KING

Foliar Fertiliser

Advantages

Increased yield as consistently demonstrated by independent trials in Australia.

Reduced NPK costs as granular NPK use can be decreased as part of an integrated fertiliser program.

Improved quality and value as it significantly increases crop quality, quantity and nutritional value.

Safe transfer of nutrients as they are optimally balanced and chelated with EDTA for direct delivery through the leaf.

Soil variability problems are fixed as it bypasses the micro-nutrient requirements from the soil by delivering them through the leaf.

Based on science as its formulation is based on plant nutrient removal science.

Environmental conditions are handled better because it gives the plant more energy to deal with stresses associated with inadequate rainfall, changing weather patterns, variations in soil, pests and other external conditions.

Stronger plants to resist disease as plant and crop safety is ensured by investing greater strength to the plant so that infection from disease and handling can be resisted.

Effects from herbicides, fungicides and pesticides are buffered as it provides a substantial boost of nutrition when needed to buffer against the toxic effects of chemicals.

Improved NPK uptake as the agronomic uptake of NPK fertilisers is increased by improving NPK mobility giving greater fertiliser effectiveness and less toxicity.

Analysis

| MACRO NUTRIENTS | |
|-----------------|--|
| Nitrogen (N) | <div data-bbox="379 1765 443 1832"></div> Member Login Please login to be able to view this detail <input type="text"/> <input type="text"/> Not a member yet? Register Here |

Growth Fertiliser for Turf

Turf King Foliar Fertiliser is a highly engineered Foliar fertiliser that applies nutrient delivery technology to deliver its nutrient package through the leaf. It has been formulated especially for turf playing surfaces and turf farming enterprises. It is highly concentrated and contains the optimum amount and balance of nutrients in one single application. Because of this **Turf King Foliar Fertiliser** endows the plant with the ability to guard against soil nutrient variability and deficiency and ensures greater plant protection, increased growth and improved yield qualities.

Especially for Turf Crops

Turf King Foliar is designed specifically for turf crops. This means that it will work better and provide greater results for this particular crop. By using plant science RLF has engineered a special range of Foliar products that are the latest in crop-focused nutrition. **Turf King Foliar** is one of these products and ensures the delivery of a specially formulated nutrient package that gives maximum benefit to turf crops.

Gives the Plant the Resources to Grow Strong

Turf King Foliar ensures that the NPK inputs (nitrogen, phosphorus and potassium) together with other chemical practices such as herbicide and fungicide use achieve maximum gain. **Turf King Foliar** gives the plant the resources it needs to grow strong. The complete, specially formulated multi-spectrum nutrient package it delivers directly to the plant, supports the crop's growth and strength by ensuring that NPK fertilisers and other herbicides and fungicides are buffered during uptake.

Nutrient Delivery System

Turf King Foliar overcomes the nutrient deficiency problems associated with soil variability. It is contained in an advanced nutrient delivery system (NDS) developed specifically for this purpose. This technology enables the safe transfer of nutrients through the leaf and into the plant cell walls. This increases nutrient delivery significantly. It's formulation gives stability and maintains the integrity of the plant without any risk of element antagonism.

Application Rates 3 to 5 Litres/ha**

| Crop Type | Dilution in Water* | |
|-----------------------|------------------------|---------|
| | Minimum | Maximum |
| Turf and Lawns | 1 to 10 | 1 to 50 |
| Dairy Pasture | 1 to 20 | 1 to 50 |
| Irrigated Pasture | 1 to 20 | 1 to 50 |
| Irrigated Lucerne/Hay | 1 to 20 | 1 to 50 |
| Dry Land Pasture | 1 to 20 | 1 to 50 |
| Crop Type | Number of Applications | |
| Turf and Lawns | Every 2 to 3 weeks | |
| Dairy Pasture | After every cut | |
| Irrigated Pasture | After every cut | |
| Irrigated Lucerne/Hay | After every cut | |
| Dry Land Pasture | One to two times | |

*Use minimum dilution in dewy condition or when leaf surface is wettish **Usual Application Rate

How to Mix



Shake Vigorously



Mix with Water



Mix with other Chemicals



Product Compatibility + Jar Testing

DO NOT mix with alkaline copper fungicides or inoculants. If you are unsure, we recommend a simple jar test of products. Mix together and check if reaction occurs.

Precautions

Non-toxic product. Avoid unneeded contact. Keep out of the reach of children. If contact is made with eyes, immediately rinse with plenty of water. If swallowed, seek medical attention.

WARNING : DO NOT mix with alkaline copper fungicides or inoculants.

Structural and Functional Role of Essential Elements in Plants

| Essential element | Structural Role | Physiological Role |
|-------------------|--|---|
| Nitrogen | Amino acids, proteins, cofactors, Vitamins, hormones, chlorophyll, hereditary structures. | Enzymes, vitamins, light energy capture and chemical energy transfer |
| Phosphorus | Ribonucleic acids, hereditary structure, cell nucleus, ATP, phospholipids and cell metabolites. | Energy capture, transfer & utilization in Respiration, photosynthesis, protein synthesis, cell division, induce disease resistance. |
| Potassium | Has no structural role but is the major counter ion (cation) to balance organic acids and anions. | Osmotic balance, stomata function, phloem transport, enzyme activator, increase disease resistance. |
| Sulphur | Sulphur-containing amino acids, tertiary protein structure, enzymes, cofactors, coenzymes, Fe-S proteins, ferridoxins. | Cellular metabolism, protein synthesis, Respiration, lipid synthesis |
| Calcium | Cell wall and middle lamella structure, supporting cellular shape and structure. | Cell growth, membrane permeability, enzyme activator, reduce toxicity of aluminium & low pH improving N-fixation and nodulation |
| Magnesium | Chlorophyll structure, stability of Ribosomal subunits | Photosynthesis, activators of many enzymes involved in phosphate transfer |
| Iron | Heme proteins (cytochromes & leghemoglobin), Catalase, peroxidase and Fe-S proteins, Ferridoxin. | Oxidoreduction reactions, chlorophyll synthesis, electron transfer & nitrogen fixation. |
| Manganese | Chloroplast water -splitting system | Electron transport in photosystem II, Nitrate reductase, activators of many enzymes |
| Zinc | In coenzyme of carbonic anhydrase, dehydrogenases (alcohol dehydrogenase) | IAA synthesis, protein synthesis, CO ₂ supply to Photosynthesis, enzyme activator |
| Copper | Polyphenol oxidases, Oxidase enzymes (ascorbic acid, tyrosinase) | Cytochrome oxidase, photosynthetic electron transport by plastocyanin, nitrogen fixation |
| Boron | Binding with and reducing toxicity of phenolic substances in cytoplasm. | Pollination, lignification, recovery from wounds, rooting in cuttings, nodulation |
| Molybdenum | Nitrate reductase, aldehyde oxidase, Sulphite oxidase (detox), Xanthine dehydrogenase | Nitrogen fixation, purine metabolism, IAA synthesis, detoxifying excess sulphite. |
| Cobalt | Leghemoglobin, Ribonucleotide reductase, Cobalamine (vitamin B ₆) | N fixation, rhizobial function, nodulation |

Turf Care guide:

- One deep watering is better than several light watering.
- Water to a depth of 10cm or 4 inches.
- Water early morning or late afternoon to reduce evaporation.
- When fertilising soil, add fertiliser when soil is dampish with little watering to increase nutrient uptake efficiency by roots.
- Add compost or peat moss to clay soil and sandy soil to increase water and nutrient holding capacity.
- Leave grass clipping once or twice per year to breakdown and increase surface organic matter.

