



SIMPLOT HI START TURF

Renovation and Stress Recovery Formulation

SIMPLOT Hi START TURF is a high phosphorus with nitrogen, potassium, zinc and organics which assists in establishment of root systems and overcoming stress in turfgrass. Simplot Hi Start Turf's unique NPK ratio with zinc and organics promotes early and strong root systems, which helps in recovery from renovation and other stress conditions. Simplot Hi Start Turf's phosphorus count is 50% phosphate and 50% phosphite giving both immediate and slow release phosphorous, the best combination for root development.

The role of Phosphorus is mainly in the formation of nucleic acids, DNA and RNA and in the formation of the energy compounds such as ATP. While the overall requirement in turf is lower than other plants, the need and importance of phosphorus is not diminished. Zinc is required for the production of the hormone Auxin, which controls cell expansion and elongation and is vital in sustaining normal growth patterns. Zinc is also involved in photosynthesis. Simplot Hi Start Turf also contains a concentrated form of natural plant hormones extracted from the fastest growing seaweed on the planet.

Simplot Hi Start Turf delivers Cytokinins and Auxins to help expand and increase the root mass of turfgrass. Simply, without the presence and activity of hormones turf would not grow. Plant Hormones control the rate and direction of growth and are only required in very small amounts. Auxins (Indole Acetic Acid) controls cell expansion, elongation and helps to initiate cell division. It affects the elasticity of cell walls (like blowing up a balloon) allowing the cell to expand and grow. Cytokinins affect the rate of cell division and therefore the promotion of growth. Of more importance is the role that Auxins and Cytokinins have when they are in combination. Depending on the concentration of both these hormones, root or

shoot growth can be initiated. Simplot Hi Start Turf contains a high concentration of Auxins and a lower concentration of Cytokinins, resulting in increased root mass. Simplot Hi Start Turf contains essential proteins and carbohydrates for increased microbial activity and improve the Bio-status of the soil profile, assisting in healthy root growth and quality turfgrass.

DIRECTIONS FOR USE: TURF

Rate: 150 - 200 mL / 100 m²

APPLICATION NOTES:

Rate: 4 - 6 L water / 100 m²

Apply at early germination or at green reconstruction / renovation.

PRODUCT ANALYSIS

			w/v%
Nitrogen	(N)	as Ammonium	10.0
Phosphorus	(P)	as Phosphate / Phosphite	13.0
Potassium	(K)	as Phosphate	5.0
Zinc	(Zn)	as EDTA Chelate	1.0
Organics			20.0

PRODUCT SPECIFICATIONS

S.G:	1.32
pH (Neat):	6.5 - 7.5
Appearance:	Light brown liquid
Shelf Life:	3 years

AVAILABLE PACK SIZES & WEIGHTS

5 Litre:	6.8
20 Litre:	27.0
200 Litre:	274.0
1000 Litre:	1400.0