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## *The Vitax Enhance difference:*

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By Bill Riley, Technical Manager, Vitax Amenity

The development of a deep and active root system in a bio-active soil or substrate is the basis of strong, healthy and stress-resistant turf. Application of nutrients is vital for good growth and colour but nutrients alone fail to produce resilience and long-term performance. Organic substances and beneficial microorganisms boost root health, rooting depth and thatch reduction plus enhanced nutrient recycling and availability within the root zone. Applied nutrients are captured and complexed more efficiently so fertiliser application rates can be reduced.

Vitax Enhance fertilisers contain complex organic components that provide a wide range of trace elements and beneficial complex organic compounds in slow release form. The slowly released organic complex nutrients maintain background turf activity keeping the turf healthy and responsive to the next fertiliser input. The organic complex also provides carbon as food source to boost the numbers and activity of beneficial soil biota.

Vitax Enhance turf fertilisers include Amino-sorb® anti-stress and root-boosting amino acids plus organic and bio-active micro-organism components and active carbon compounds to encourage a healthy community of beneficial soil biota.

Amino-Sorb® is a component within the Vitax Enhance fertilisers and is available as a stand-alone product. Amino-Sorb® creates a reduced stress environment which helps turf to thrive and achieve its maximum performance. The efficacy of herbicides and fungicides is maximised. Amino Sorb® promotes drought and wear tolerance and can reduce discolouration from plant growth regulators. Use Amino-Sorb® R, for root application and Amino-Sorb® F, for foliar application. Vitax Enhance granular fertilisers contain Amino-Sorb® R; Vitax Enhance F and WSF fertilisers contain Amino-Sorb® F.

The bioactive component contains micro-organisms that reduce pathogen infection and enhance nutrient recycling and capture in the soil. Pathogen infection limitation occurs through space competition and from antifungal extrudates from the beneficial bacteria in Enhance fertilisers. The bacteria complex also enhances phosphate capture from the soil and breaks down complex root extrudates from the turf into soluble nutrients for re-uptake.

The Enhance fertiliser range contain a powerful, complete trace element package with elevated zinc content to boost leaf strength, abiotic stress resistance and systemic enzyme activity to fight pathogen infection.

Vitax Enhance fertilisers are available in three formats: granules, liquids and water-soluble powders. Vitax Enhance F liquid formulation and Vitax Enhance WSF water-soluble powders are easily applied by sprayer and cause minimum disruption to play as they disperse

immediately into the sward. Vitax Enhance R is our homogeneous mini-granular formulation that is easy to spread evenly over the turf for consistent colour and growth.

**Roffey Brothers Stock the following Vitax Enhance R Products:**

Spring/Summer

<b>Vitax Enhance R 15-2-8 + 2% MGO + TE + Amino-Sorb</b>	<b>20kg bag</b>
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Autumn/Winter

<b>Vitax Enhance R Prime 5-0-10 + 4% Fe + 2% MGO + Amino-Sorb R</b>	<b>20kg bag</b>
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<b>Vitax Enhance R 5-2-15 + 2% MGO + TE + Amino-Sorb R</b>	<b>20kg bag</b>
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Enhance R Granules are applied at the very efficient rate of 15-25g/m<sup>2</sup>! At the high rate of 25g/m<sup>2</sup> one 20 KG bag will treat an area of 800m<sup>2</sup>.

Feedback from customers' indicate that longevity ranges from 6-8 week (Growth & Colour) with the microbial elements in the soil working long after growth and colour have stopped.

**Growing In and Seed/turf establishment Projects**

With the many benefits of Enhance R as indicated above it is no surprise that that it has proved very successful in Seed & Turf establishment. New seed on new areas require a huge amount of nutrient from the soil at once. Enhance R provides instant nutrition and essential elements to the plant and long term health for the growth of the new grass sward.