

# Plant health with Minimal Mowing!

Plant health can be maintained without encouraging excessive growth. The use of low input granular fertilizers with flexible application rates can aid Course managers and groundsmen in maintain a healthy sward without impacting on limited man hours and helps reduce fuel costs.

The use of high organic content fertilizers will offer slow phased release of nutrients due to the process required for organic nitrogen to become plant available. The process, mineralisation, is a three-step process involving aminization, ammonification, and nitrification. Aminization and ammonification are stages where proteins, amines, and amino acids (usually from organic matter or humus) are converted to ammonium, a source of nitrogen which can be utilized by plant, but as the plant takes up nitrogen more readily in the nitrate form, the next part of the process is nitrification, where the ammonium is converted into nitrogen by the action of nitrosomonas and nitrobacter. The higher the organic content the slower the release and availability of nitrogen.

The use of organic and methylene urea, also offer slow phased release of nitrogen for up to 12 weeks

The organic source used in the Apex Organic range is used in 50 countries around the world and meets all REACH regulations. The humic acid used is of the highest quality available and is additional to humic acid found in the organic material.

The 1-2mm compound granule offers very flexible applications, and at 20g/m<sup>2</sup> up to 10,500 granules per square metre are spread evenly and accurately to ensure optimum plant health.

## Apex Organic 4-6-4+7CaO+0.7MgO+11% Humic Acid

Organic Content: **85%**  
 Organic Nitrogen: **75%**  
 Organic Potassium: **100%**  
 Application Rate: **20-40g/m<sup>2</sup>**  
 Longevity: **6-8 weeks**  
 Promotes improved root development, both mass and length.  
 Improved abiotic stress tolerance.  
 Pathogen and weed free.  
 Improved macro and micro nutrient uptake.  
 Enhanced moisture availability.  
 Microbial activity increased by up to 5000 times.  
 Improved cell wall strength

## Apex Organic 5-2-4+2Fe+7CaO+0.7MgO+9%Humic Acid

Organic Content: **76%**  
 Organic Nitrogen: **54%**  
 Slow release Nitrogen: **70% (organic and MU)**  
 Organic Potassium: **100%**  
 Application Rate: **20-40g/m<sup>2</sup>**  
 Longevity: **6-8 weeks**  
 Promoted development of chlorophyll, sugars and amino acids.  
 Stimulation and proliferation of beneficial organisms enhanced.  
 Improved soil structure  
 Increased root structure  
 Enhanced disease resistance and colour

## Apex Organic 10-2-10+2Fe+4CaO+0.4MgO+6% Humic Acid

Organic Content: **42%**  
 Slow release Nitrogen: **81% (organic and MU)**  
 Application Rate: **20-40g/m<sup>2</sup>**  
 Longevity: **8-12 weeks**

Phased release pattern from organic nitrogen and methylene urea.  
 Improved stress resistance  
 Microbial activity stimulated.  
 Improved soil structure and moisture holding capacity.  
 Reduced leaching due to increased Cation Exchange Capacity.  
 Increased availability of P