Hortifeeds

HortiBoost

Plant nutrition beyond conventional fertiliser

A powerful package of 20 essential amino-acids, humic acid complex, seaweed and also major and minor nutrients from organic and inorganic sources.

- We manufacture and blend our own products in our own fully-equipped factory, and then we deliver direct to the grower
- We provide growers with comprehensive technical support from our highly experienced, field-based regional managers. They are supported by an in-house team of technical staff
- Our aim is to deliver complete plant and crop nutrition solutions, rather than just sell fertilisers
- Our own manufacturing and blending facilities enable us to produce bespoke solutions where preferred

Our technical representatives will be pleased to provide additional information on our services and application of our fertilisers. You can also visit our website at www.hortifeeds.co.uk for more information on our products and services.

HortiBoost

Complete Plant Biostimulant and Nutrient Complex

HortiBoost is a unique, powerful package of 20 essential amino-acids, humic acid complex, seaweed and also major and minor nutrients from organic and inorganic sources.Fast-acting absorption into the crop within 12 to 24 hours ensures maximum utilisation of nutrients, water, CO_2 and light to maximise growth efficiency. HortiBoost can be used alone as a biostimulant or tank mixed with a wide range of Hortifeeds soluble fertilisers and HortiPhyte products.

Boost vegetative growth and early fruit swell stages for fruit crops.

- Support early and mid-growth stages for vegetables, salads and ornamentals.
- Apply before and after any stress situation to help the crop prepare to and recovery from stress (frost, drought, wind, etc).
- Ideal for constant drip application at low rates to boost plant growth.

Analysis (w/w)

20 L-form Amino Acids package	5.00%
Magnesium (MgO)	0.09%
Boron (B)	0.03%
Copper (Cu)	0.04%
Iron (Fe)	1.10%
Manganese (Mn)	0.04%
Molybdenum (Mo)	0.02%
Zinc (Zn)	0.04%
Seaweed Extract	5.00%
Humic Acid Complex	0.60%
Total Nitrogen	1.48%
Phosphorus ($P2O_5$)	0.34%
Potassium (K_2O)	0.97%

Trials

Hortifeeds recently worked with a leading soft fruit grower in the UK midlands to trial the effects of HortiBoost applied in the nutrient solution. Three industry standard varieties were used in the polytunnel trial, using commercial techniques and coir bags on a table top growing system. The trial compared strawberries grown with or without HortiBoost in the same optimised nutrient solution.

Results:
HortiBoost gave 15% BOOST to yield
HortiBoost gave an increase in Class 1 fruit and reduced waste

Amino Acids

Supplementing animo acids is a efficient method of increasing crop yield and quality.
Plants have the ability to biosynthesize all the animo acids they require, however the process is complex and consumes considerable amounts of the plants energy. While biosynthesizing a plant will use less energy to grow or produce fruit.

A protein's biosynthetic process is an enzyme driven activity where substrates are
converted into more complex compounds, such as animo acids. These animo acids have different biostimulant effects on the plant's growth.

Application of amino acids ensures that the plant can save energy on this process during
critical growth stages and under stress. HortiBoost can be applied via foliar feeding or fertigation to the roots and soil biota.

Application Rates

Use during the vegetative and early fruit swell stages for fruit crops and in the early and mid-growth stages for vegetables, salads and ornamentals.

Application Rates - Foliar

Crop	Use	Application Rate	Water Spray Volume	Notes
All Crops	Standard	5-10 L/Ha	400 - 800	Every 2-4 weeks during growing season
All Crops	Frequent Application	2 L/Ha	400 - 800	Every week
All Crops	Under Extreme Weather Conditions	10 L/Ha	400 - 800	Every week when necessary

Application Rates - Fertigation

Crop	Use	Application Rate	Fertigation Volume	Notes
All Crops	Standard	1-3 L/Ha	10 - 20 000/Ha	Every 1-2 weeks
All Crops	Frequent Application	1 L/Ha	10 - 20 000/Ha	Every week
All Crops	Under Extreme Weather Conditions	5-10 L/Ha	10 - 20 000/Ha	Every week when necessary

For small areas apply 3-5 ml/L via knapsack sprayer.

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