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Bionema stimulates organic growth with a new range of biostimulants

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Bionema Group Ltd, a leading biocontrol technology developer and manufacturer, has announced the launch of a new range of biostimulant products in the UK for use in agriculture, horticulture, forestry, and turf and amenities. These biostimulants use advanced micronutrient technology to promote healthy plant growth.

Bionema Group Ltd is launching seven products, including seaweed extracts, humic and fulvic substances, and other natural nutrients that cover all stages of plant growth, with foliar and root applications in agriculture, horticulture, forestry, and turf and amenities. These products stimulate natural processes in plants and soil, increasing the uptake and assimilation of nutrients, increasing the surface area of roots and the quality of the soil.

Field trials have shown that plants with biostimulants have better resistance against abiotic stress (e.g., heat, drought, salt), while the root reaches more nutrients and can collect more water. In fact, the Bionema team conducted a range of glasshouse and field trials in the UK, EU, India, Canada and LATAM countries, and the findings show that these products may allow farmers to cut their fertiliser use by 50%, while keeping 93% of the yields. In Bionemaâ??s glasshouse trials, root growth was 35% better when using the suggested mix of 50% fertilizer and Bionemaâ??s biostimulants, compared to just using the normal 100% fertilizer mix. The plant biomass (excluding roots) was 93% of that grown with just a common fertilizer mix.

The core Bionema biostimulant products are being marketed under the following brand names in the UK market.

1. **O-Stimulaâ?¢:**Calcium peroxide complex enables sustained release of oxygen and a continuous supply of calcium for strengthened plant cell walls, optimised soil pH, reduced spread of anaerobic pathogens.
2. **Grostimulaâ?¢ATCA**: Acetyl thiazolidine carboxylic acid (ACTA) formulation triggers plants to synthesise their own amino acids and hormones for better plant functioning and growth.
3. **Grostimulaâ?¢EW:**Triacontanol acts as a biological PGPR that widens and lengthens opening of stomata for better photosynthesis and respiration, increased crop yield.

4. **Plantgroâ?¢:** Patented combination of biofertilisers and nutrients to help improve yields.
5. **RootVitaâ?¢SP:**Combination of biofertilisers, beneficial microbes, nutrients, prebiotics and vitamins for soil health improvement and healthy plant growth.
6. **Groprimâ?¢**: Derived from Sargassum seaweed which is endowed with biostimulant properties that promote plant growth, rooting and tillering, enhances nutrient uptake and plant health, and increases crop productivity.
7. **Floretocareâ?¢:**Bioactive humic and fulvic substances derived from vermicompost provides bioenergy for fetter flower retention, attracts pollinators, promotes healthy flowers and fruit formation.