Crop Booster®

(15-3-6) + Micros

(B, Mn, Mo, Zn) – (1.2 kg/L)

What are biostimulants?

Agricultural biostimulants include diverse formulations of compounds, substances and other products that are applied to plants or soils to regulate and enhance the crop’s physiological processes making them more efficient.

Biostimulants act on plant physiology through different pathways than nutrients to improve crop vigour, yields, quality and post-harvest storage.

Biostimulants improve the efficiency of plant metabolism and the assimilation and translocation of nutrients to increase plant tolerance to and recovery from abiotic stresses.

Source: European Biostimulants Industry Consortium, 2011

How they work?

Crop stresses, always present during the growing season, have a negative effect on yield potential. Visual symptoms associated with plant stresses are well known by farmers and advisors; however, these visual symptoms have physiological and biochemical causes that have been identified and described recently in scientific literature.

When plants are stressed, they naturally produce oxidizing compounds that cause damages to cells (chloroplasts, mitochondria, cell membranes, etc.) and eventually lead to cell death. Plants have the capacity to defend themselves from these attacks by producing enzymes and organic molecules that destroy and recuperate the oxidizing compounds. However, the plant may not be able to defend itself as fast and as vigorously as it should with the potential of reducing photosynthesis. Any reduction in photosynthesis causes a reduction in the production of lifesaving enzymes and organic molecules necessary for cell survival.

Why use a biostimulant?

Applying a biostimulant like Crop Booster® increases the concentration of nutrient level in foliar tissue, compensating for stressed plants inability to absorb these nutrients from the soil in sufficient quantities.

This higher concentration enables the plant to produce the enzymes and organic acids required to fight the stress.

Crop Booster® will help growers kick start their crops more rapidly when they are stressed. The major nutrients contained in Crop Booster® will help restart photosynthesis, while the micro-nutrients are the cofactors required for the production and the activity of the necessary enzymes and organic molecules.

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