

Xtra PowerBio

Bio-stimulant with anti-stress effect
for organic agriculture

SIZE | 1L 5L 20L



XTRA PowerBio is an amino acid based solution for crop bio-stimulation that can be used for organic agriculture:

-  ALLOWED IN ORGANIC FARMING
-  POSITIVELY INFLUENCES THE PHYSIOLOGICAL ACTIVITIES OF THE PLANT THROUGH THE ACTIVATION OF PROTEIN SYNTHESIS
-  IMPROVES THE OVERALL NUTRIENT USE EFFICIENCY
-  ENHANCES TOLERANCE TO ABIOTIC AND BIOTIC STRESS (e.g. EXTREME WEATHER CONDITIONS, AGRICULTURAL PRACTICES AND MANAGEMENT)
-  INCREASES THE GENERAL GROWTH AND DEVELOPMENT

Biostimulation under stress for organic agriculture



**FERTIMORE**

Xtra PowerBio

USE | Fertiliser for agriculture

Xtra PowerBio: complete and balanced formula with all elements required for a healthy growth and development

| COMPOSITION | CONCENTRATION |
|--|---------------|
| Total Nitrogen (N) | 5.7% |
| Organic Nitrogen (N) | 5.7% |
| Organic Carbon (C) | 16% |
| Total Amino Acids | >32% |
| Free Amino Acids | 6.5% |
| C/N Ratio | 2.8 |
| Water-soluble Iron (Fe) EDTA chelated | 1.1% |
| Water-soluble Manganese (Mn) EDTA chelated | 0.4% |
| Water-soluble Zinc (Zn) EDTA chelated | 0.6% |
| pH | 7.2 |
| Colour | Dark Brown |

FACTS



TOTAL AND FREE AMINO ACIDS

Bio-stimulation of precursors and constituents of proteins in plant metabolism under stress conditions



ORGANIC CARBON (OC)

Main source of energy for soil microorganisms



LOW C/N RATIO

Determines carbon quality and availability (mineralised and ready for uptake), and regulates decomposition and fertility in soils



CHELATED WATER-SOLUBLE MICRO-NUTRIENTS

Provide all the elements required for healthy growth and development without compromises



TOLERANCE ENHANCEMENT TO STRESS: GREEN AND DEVELOPED CROPS ON THE LEFT, COMPARED TO YELLOW AND STRESSED CROPS ON THE RIGHT

APPLICATION | The high quality of raw material used in **XTRA PowerBio** makes the product ideal for 2-3 foliar applications, on all crops, in particular for organic production, whenever the crops show stress symptoms related to agricultural practices (ploughing, before or after weed control, etc.) or to climate conditions (freezing, hail, etc.), at any growth stage. If needed, the product could also be used by fertigation, but it is recommended to discuss the case-specific conditions with an agronomist.

| CROP | FERTIGATION | FOLIAR* | GROWTH STAGE |
|--|-------------------------------|--------------------|--------------|
| Field Crops | 3 - 6 L/ha | 200 - 300 mL/100 L | All Stages |
| Vegetables | 4 - 8 L/ha | 250 - 400 mL/100 L | All Stages |
| Fruit Trees | 5 - 10 L/ha | 250 - 500 mL/100 L | All Stages |
| Protected agriculture (greenhouse, glasshouse, etc.) | 0.5 - 2 L/1000 m ² | 100 - 500 mL/100 L | All Stages |

* The rates are calculated considering a volume of 500-600 L of mixed solution per hectare, for foliar use.