

X-tend®



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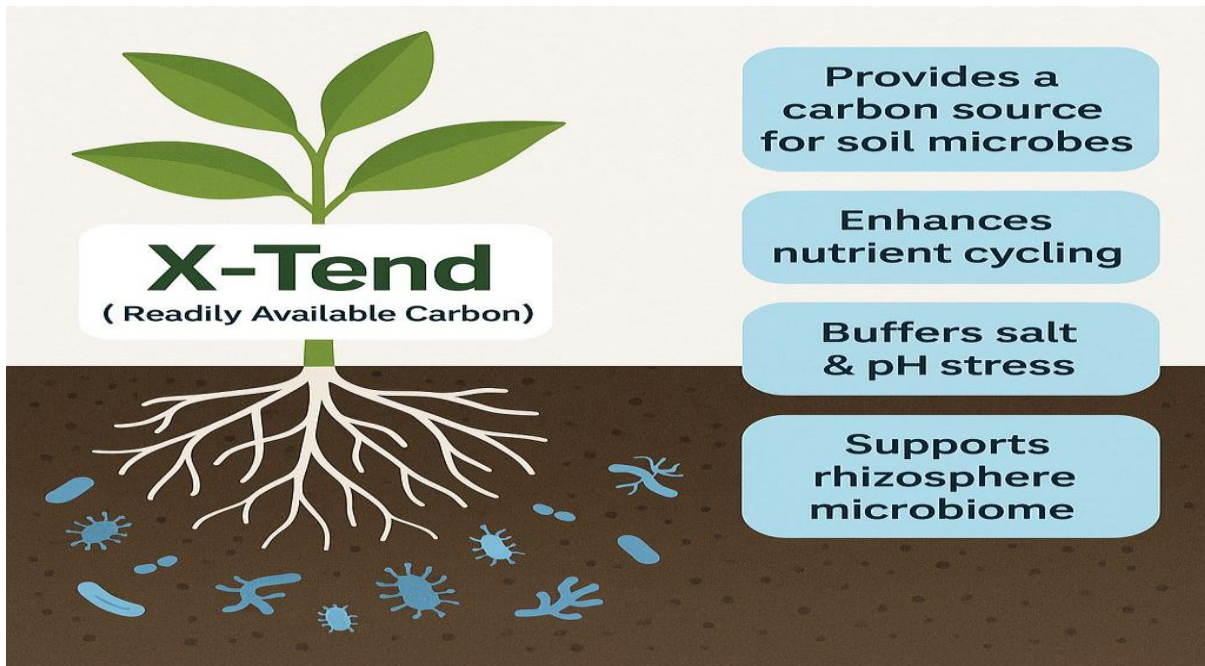
- ▶ Carbon-rich Biostimulant
- ▶ Dramatically Improves Efficiency & Uptake of Fertilizers by 15% or more
- ▶ Releases Tied-up Nutrients
- ▶ Excellent Tank-mix Partner for any Application of Fertilizers or Pesticides

X-tend contains the highest concentration of Micro Carbon Technology off all the Huma products

What It Does

1. Acts as a Carrier
 - Delivers nutrients or active ingredients directly into plant tissues more efficiently.
 - Reduces nutrient tie-up in soil, keeping them plant-available.
2. Improves Soil Chemistry
 - Buffers salts and pH extremes, creating better conditions for nutrient availability and microbial life.
3. Stimulates Microbial Activity
 - Provides a ready carbon source for beneficial soil microbes.
4. Enhances Plant Physiology
 - Helps improve chlorophyll formation, photosynthesis efficiency, and stress tolerance.

Biological benefits



X-Tend® benefits soil and plant-associated microbes mainly because of its Micro Carbon Technology® (MCT) and organic acid content. How it stimulates microbes:

1. Provides a Readily Available Carbon Source

- Contains low-molecular-weight carbon compounds that soil microbes can use as an energy source.
- Boosts microbial activity, especially beneficial bacteria and fungi involved in nutrient cycling.

2. Enhances Nutrient Cycling

- Organic acids help release tied-up nutrients (like calcium, magnesium, phosphorus, and micronutrients).
- Microbes then have more access to nutrients that fuel their metabolism and support symbioses (e.g., mycorrhizae and nitrogen-fixing bacteria).
- More active microbial populations → improved soil fertility and plant nutrient availability.

3. Buffers Against Salt and pH Stress

- X-Tend reduces high-pH (alkaline) conditions and buffers salts that harm microbial cell membranes.
- This creates a more favourable habitat for sensitive microbes.

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