

nmcore BLOOM

Liquid nanotechnology that optimizes photon absorption and enhances photosynthesis

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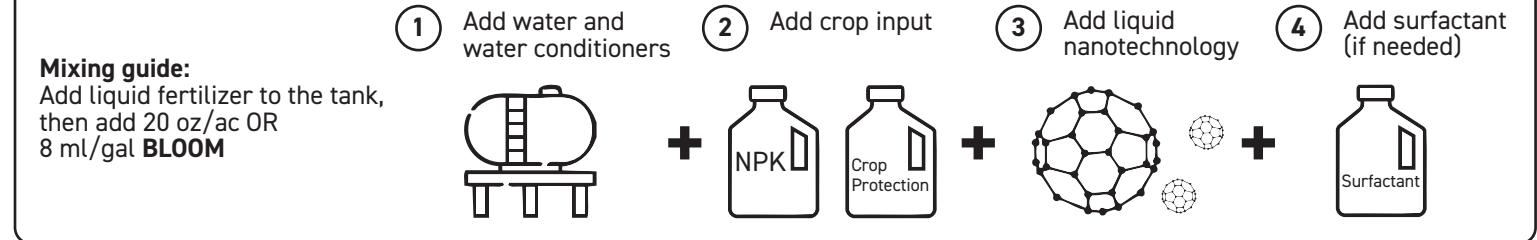


BLOOM is a groundbreaking photosynthesis enhancer developed using cutting-edge nanotechnology. This biocompatible organic compound, similar to chlorophyll, significantly boosts photosynthesis in plants. When applied to leaves, **BLOOM** integrates with chloroplasts, optimizing photon absorption and electron transfer, enhancing the natural process of photosynthesis. This results in up to a 100% increase in photosynthetic efficiency.

BLOOM liquid nanotechnology is a patented and environmentally sustainable crop solution for improving photosynthesis efficiency, fostering growth and accelerating crop cycles.

BLOOM Benefits:

- Superior formulation for foliar uptake
- Compatible with most liquid fertilizers
- Enhanced drought resilience
- Clean, easy handling and safe for the environment

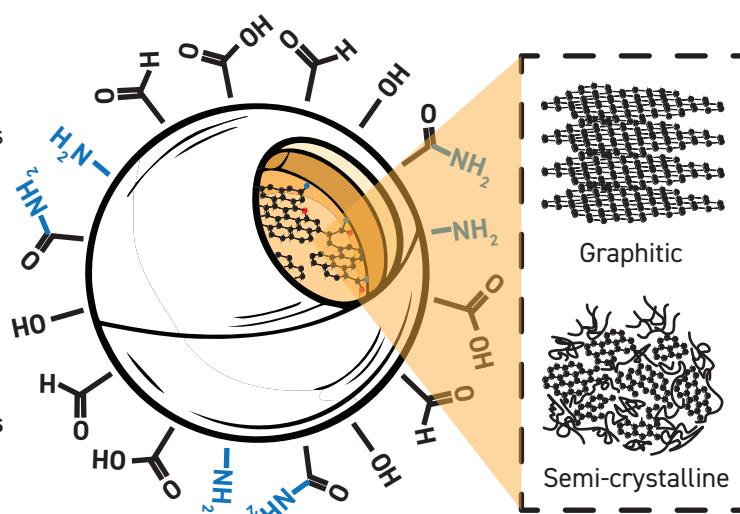


The Anatomy of a BLOOM Particle

Nanotechnology benefits:

- Improves plant uptake
- Highly compatible with ag inputs
- Clean, easy handling
- Environmentally safe
- Proven performance

Quantum dots are nanocrystals <10 nanometers in diameter, or <50 atoms



The synergistic effect of graphite embedded in semi-crystalline structures of carbon dots facilitate efficient electron transfer.

BLOOM is a carbon-based biocompatible compound. It does not contain elements such as N, P and S that are detrimental to the environment.