

USA

BLUESTIM®

**Naturally occurring osmolyte.
Enhances plant cell osmoregulation and crop performance under conditions
of environmental stress.**

Soluble powder for foliar application.



CONTAINS NON-PLANT FOOD INGREDIENT

Soil-Amending Guaranteed Analysis

Active Ingredient: Glycine betaine: 97%

Total Inert Ingredient (Water): 3%

GENERAL INFORMATION

Enhances plant cell osmoregulation and crop performance under conditions of environmental stress caused by heat, cold, salinity and drought.

For use in leafy and fruiting vegetables, soft berries, hemp and ornamental crops, as well as lawns and golf courses.

PRECAUTIONARY STATEMENTS

KEEP OUT OF REACH OF CHILDREN

Do not breath dust

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.html>

APPLICATION TIMING

Timing varies by crop, see the APPLICATION TABLE for specific directions. For rates and timing of application in other crops, please consult a Biobest Representative or Crop Advisor. Bluestim® should be applied when the relative humidity is high, this allows the tissue to stay wet longer and ensures a better penetration of Bluestim® in the plant.

APPLICATION METHOD

Apply as a foliar spray using normal agricultural equipment.

STORAGE AND DISPOSAL

- Store in a dry place.
- The shelf life of the product is 2 years from the production date, stored at room temperature protected from humidity and away from sunlight or out of direct sunlight.
- Dispose of all waste (contents and container) in accordance with local, state and federal regulations.

Production date and batch number: See package



Distributed by:

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Guaranteed by:
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NET WEIGHT
4.4 lb
(2 kg)

APPLICATION TABLE

Crop	Observed Effect	Dose	Timing of Application
Berries including but not limited to: Strawberry, Raspberry, Blackberry, Blueberry, Cranberry, Currants	On foliage: Reduces salt stress (tipburn) On fruits: - Increases fruit firmness - Protects plants against frost - Reduces sunburn and cracking	1.8-3.6 lb/acre 40-100 gallons	Protection against tipburn: Dip plants before planting or spray after planting. For effect on fruits: Apply at first flowering and repeat every 3-4 weeks until harvest.
Fruiting Vegetables, including but not limited to: Tomatoes and Peppers	- Protects against blossom end rot - Protects against sunburn and cracking - Improves yield	1.8-3.6 lb/acre 40-100 gallons	Apply 10 days after the beginning of flowering. Re-apply every 3-4 weeks as long as stress conditions exist.
Propagation of Vegetables	- Reduces water and temperature stress at transplanting - Helps plant acclimate to field conditions	0.9 lb/acre	Apply 7-10 days before transplanting. Re-apply at transplanting.
Leafy Greens and Herbs, including but not limited to: Lettuce, Cabbage, Basil	- Reduces salt stress (tipburn) - Reduces wilting - Improves plant cell turgor	1.8 lb/acre in 40-100 gallons	Apply at 3-4 leaves (or rosette) stage. Re-apply every 3-4 weeks.
Ornamentals	- Protects against temperature, water, drought and salinity stress - Improves water management - Reduces wilting of cuttings and improves cell turgor - Reduces edge burn and helps mobilize calcium - Protects against frost damage during cultivation	1.8-3.6 lb/acre in 40-100 gallons 3.6-7 lb/acre in 40-100 gallons	Apply before stress is expected Re-apply every 3-4 weeks. For plants in consignment: Apply 3-7 days before shipping. Stock plants: Spray 3-7 days before taking cuttings. Before transplanting outdoors: Apply 3-7 days before plants will be transplanted outdoors to help plants acclimate to field conditions. For protection against frost: Apply at least 24 hours before the frost event.
Hemp	- Protects plants from heat stress and sudden changes in relative humidity - Reduces wilting of cuttings and improves cell turgor - Helps mobilize calcium	1.8 lb/acre in 40-100 gallons	Stock plants: Spray 3-7 days before taking cuttings. At propagation/vegetative: Apply at transplanting. Re-apply every 3-4 weeks.
Lawn and Golf courses	- Protects against temperature, water and salt stress - Improves water management - Improves plants vigor	1.8-4.5 lb/acre in 40-100 gallons	Apply in the morning or evening (high humidity). Re-apply every 3-4 weeks.

For other uses, please consult your Biobest Advisor.