

STEMMER™

Soil Amendment

Stemmer is a liquid soil amendment composed of soluble silicon for use on agricultural and commercial crops. Providing a source of bioavailable silicon to the plant, Stemmer promotes tolerance to abiotic stress and provides additional plant health benefits.

CONTAINS BENEFICIAL SUBSTANCES

Soluble Silicon (Si): (Derived from Orthosilicic acid (OSA)) 2.2%

For use on protected and open field crops such as; Greenhouse, Shadehouse, Interiorscape, and Nursery. Use on indoor and outdoor food and non-food crops, plants, shrubs, trees and ornamentals. Not for use on row crops including corn, soybean, wheat, barley, canola, cotton, oats, rice and rye.

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

KEEP OUT OF REACH OF CHILDREN

Read the label carefully and use according to the label instructions.

See inside booklet for Directions for Use.

For Commercial Use

Expiration Date: 24 months from date of manufacturing

Guaranteed by: **BioWorks, Inc.**

100 Rawson Road • Suite 205 • Victor, NY 14564
800.877.9443



BioWorks®

DIVISION OF BIOFIRST GROUP

FL Lic: F001962

USE AND APPLICATION INFORMATION

Agitate the product thoroughly before opening. This product **MUST** be diluted in water before use. Use within 4 hours after dilution. Mix at dilution rate on the label.

MIXING DIRECTIONS

Add sufficient water to the clean mixing tank to allow proper agitation. Add the correct amount of Stemmer to tank. Maintain agitation until solution is used. If other pesticides and/or adjuvants are to be added, do so after Stemmer has been thoroughly mixed.

RECOMMENDED RATE OF APPLICATION

Recommend applying the diluted product at 100 gallons per acre.

For improved nutrient use efficiency to support plant growth and yield.	Greenhouses: Drip/Drench/Foliar	2.0 - 14.0 fl oz/ 100 gal	1 - 4 times monthly
	Field Crops: In Furrow/Drip/Drench/Foliar	8.0 - 32.0 fl oz/ acre	2 - 3 week interval beginning at flowering

Early use on short term greenhouse crops or begin application at flower initiation. Field crops such as leafy greens and herbs benefit early while fruiting crops application timing should be at flower or new leaf emergence. Stress mitigation is best prior to stress event.

APPLICATION INSTRUCTIONS

Apply Stemmer as a drip, in furrow, drench or foliar application at the rates indicated in the rate table. Apply a minimum spray volume of 5 gallons per acre.

IN FURROW

Agitate the product thoroughly before opening. Accurately measure and add the recommended dosage to sufficient amount of clean water in appropriate in furrow equipment tank. Apply product in furrow into the seed trench during planting.

DRIP

Agitate the product thoroughly before opening. Dilute or inject the product to the desired concentration from the rate table.

FOLIAR AND SOIL APPLICATION

Agitate the product thoroughly before opening. Accurately measure and add the recommended dosage to sufficient amount of clean water in application tank to achieve the desired coverage. Foliar application is 5 to 100 gallons per acre; soil application range is 50 to 5,000 gallons per acre for in furrow drip methods.

COMPATIBILITY

Stemmer is compatible with most commonly used fertilizers, insecticides, and fungicides. The spray solution pH can be adjusted as needed to accommodate tank-mix partners, and silicon availability is not significantly affected by soil pH. Always read and follow the precautions, restrictions, and use directions on the labels of all products included in a tank mix.

PLANT SAFETY

Stemmer has been tested on numerous plant varieties. However, since Stemmer has not been tested on all plant varieties or in combination with all available tank mixes, BioWorks strongly advises testing Stemmer on a small number of plants to check for adverse plant effects before applying to a larger number of plants.

STORAGE AND DISPOSAL

Keep in original closed container at room temperature.

DISPOSAL: Do not contaminate water or food. Do not reuse or refill containers. Recycle this container if appropriate. Dispose or incinerate according to your state's recommended procedures. Follow your local waste disposal agency instructions for any leftover product in the container.

WARRANTY

Seller warrants that this product conforms to the description on this label and is reasonably fit for the purposes stated on this label when used and stored in accordance with the directions for use. This warranty does not extend to use of this product contrary to label directions or under conditions not reasonably foreseeable by the Seller, and Buyer and User assume the risk of any such use. To the extent consistent with applicable law, Seller disclaims all other warranties, express or implied, including any warranty of fitness or merchantability. To the extent consistent with applicable laws, Seller shall not be liable for consequential, special or indirect damages resulting from use or handling of this product, and Seller's sole liability and Buyer's and User's exclusive remedy shall be limited to refund of the purchase price. This product is sold only for uses stated on its label. No express or implied license is granted to use or sell this product under any patent in any country except as specified.

02-062026FL

