



# Biox® -15EC

## Line Spray

P O S T H A R V E S T

### Potato Sprout Control



#### ACTIVE INGREDIENTS:

Clove Oil .....15.0 %  
INERT INGREDIENTS: (Glycerin, Potassium oleate, water).....85.0 %

#### PRECAUTIONARY STATEMENTS

##### Hazards to Humans and Domestic Animals

**DANGER:** Harmful if swallowed. Causes skin and eye irritation. Avoid contact with skin, eyes or clothing. May cause allergy, asthma symptoms, or breathing difficulties if inhaled. May cause damage to organs (nervous system, mucous membranes, liver, blood forming systems (bone marrow and spleen) through prolonged and repeated exposure.

#### FIRST AID

**If Swallowed:** Rinse mouth. Call a POISON CENTER or doctor if you feel unwell.

**If in Eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Get medical advice/attention if eye irritation persists.

**If On Skin:** Wash with soap and water. Get medical advice/attention if skin irritation occurs.

**If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice. NOTE: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

#### Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical resistance category selection sheet.

Applicators and other handlers must wear: long-sleeved shirt, long pants, shoes, socks, protective eyewear (goggles or face shield), and chemical-resistant gloves made of any waterproof material, such as polyvinyl chloride, nitrile rubber or butyl rubber. Wash any contaminated clothing before reuse.

NOTICE: This product has not been registered by the US Environmental Protection Agency (EPA). Pace International, LLC represents that this product qualifies for exemption from registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

Si usted no entiende la etiqueta, busque a alguien para que se la explique en detalle.  
(If you do not understand this label, find someone to explain it to you in detail.)

See back panel for additional precautions and directions for use.

#### ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

#### DIRECTIONS FOR USE

This product is used for treating potatoes to suppress sprouting after storage and washing. This product will not, if used in accordance with the label, pre-

vent wound periderm formation of potatoes.

#### DO NOT APPLY IN THE FIELD.

**IMPORTANT:** Potatoes may deteriorate or otherwise be damaged by bacteria, fungi, insects, physiological aging and physical effects such as internal sprouting, environmental factors (such as humidity, temperature and airflow), and other causes which are unrelated to the application of this product, and which may occur whether or not this product is applied to the potatoes.

**DO NOT USE ON SEED POTATOES:** This product will kill emerging buds on potato tubers and therefore should NOT be used on potatoes that will be used for seed. The damage to the emerged buds is permanent although secondary buds may grow after 30 to 90 days. The time period of effective sprout suppression may vary depending on many conditions beyond the control of the manufacturer and/or seller, including, but not limited to, timing and method of application, variety and condition of stored crop, and mixtures or treatments with other chemicals. Wash contaminated equipment thoroughly with soap and hot water before use on seed potatoes.

**EQUIPMENT:** Biox-15EC is usually applied as a 0.8% to 1.8% emulsion wash on the drying table, or similar station, after the potatoes have been washed. Equipment should be set to apply said emulsion evenly on the potatoes moving across the rollers. Rolling or tumbling action greatly improves coverage compared to flat conveyor belts. Thorough coverage of the potato by the emulsion will provide the best results. For further information about application equipment, contact your local Biox Distributor Representative.

**APPLICATION:** Proper treatment solutions of 0.8% to 1.8% solutions (Column A) may be prepared by adding Column B to Column C:

Column A	Column B	Column C
*Emulsion concentration	Amount of Product (gallon)	Amount of Water (gallon)
0.83% (8,300 ppm)	1	20.0
1.00% (10,000 ppm)	1	16.5
1.21% (12,100 ppm)	1	13.5
1.40% (14,000 ppm)	1	11.5
1.59% (15,900 ppm)	1	10.0
1.84% (18,400 ppm)	1	8.5

\* These percentages are based on w/vol ratio and are rounded to the nearest 100 ppm.

**NOTE: Thorough agitation at initial mixing is required – no further agitation needed after the emulsion is completely mixed.**

For a flood application system, use a sufficient emulsified solution of the desired concentration and apply in a method to provide thorough coverage/wetting of the potatoes. The effectiveness of this product is not only based on uniform coverage but a minimum residue concentration of approximately 15 parts per million (ppm) should maintain on the potatoes after treatment. In addition, the extent of peeper/sprout development, the cleanness of the potatoes at the time the solution is applied, the potato variety (russet vs. smooth skin types) and the wetness of the tubers after washing will also affect the performance of this product. It is suggested that residue analysis be conducted on

5, 30 or 55 Gallons  
(19, 113.5 or 208 Liters)



Manufactured By:

**Pace International** LLC

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a routine basis to ensure that the desired active ingredient is achieved on the potatoes.

## **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Biox-15EC and the emulsified solution (once completely mixed) can be stored at room temperature. Keep container closed when not in use.

**Pesticide Disposal:** Wastes resulting from the use of the product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Do not reuse empty container. Triple rinse (or equivalent) during mixing and loading. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler, visit the ACRC web page at [www.acrecycle.org](http://www.acrecycle.org). Decontaminated and punctured containers may also be disposed of in a sanitary landfill.

**HANDLING:** Always wash hands thoroughly after use. Use only outdoors or in a well-ventilated area.

**For more information about PACE's products, their uses and benefits, consult your PACE representative or our website at [www.paceint.com](http://www.paceint.com).**

**IMPORTANT:** Read the information below before using this product. If the terms are not acceptable, you should return the unopened product container immediately for a complete refund.

## **LIMITED WARRANTY, TERMS OF SALE, AND LIMITATION OF LIABILITY**

Upon purchase or use of this product, purchaser and user agree to the following terms:

**Warranty:** Pace International, LLC (the Company) warrants that this product conforms to the chemical description on the label in all material respects. To the extent consistent with applicable law, except as expressly stated in the foregoing sentence, the Company makes no further warranties and expressly disclaims any implied warranties of merchantability or fitness for a particular purpose and any representation or warranty.

**Terms of Sale:** The Company's directions for use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, and the manner of use or application (including failure to adhere to label directions), all of which are beyond the Company's control. To the extent consistent with applicable law, all such risks are assumed by the user.

**Limitation of Liability:** To the extent consistent with the applicable law, the exclusive remedy against the Company for any cause of action relating to the handling or use of this product is a claim for damages, and in no event shall damages or any other recovery of any kind exceed the price of the product which caused the alleged loss, damage, injury or other claim. To the extent consistent with the applicable law, under no circumstances shall the Company be liable for any special, indirect, incidental, or consequential damages of any kind, including loss of profits or income. To the extent consistent with applicable law, the Company and the seller offer this product, and the purchaser and user accept this product, subject to the foregoing warranty, terms of sale, and limitation of liability, which may be varied or modified only by an agreement in writing signed on behalf of the Company by an authorized representative.

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The use of BIOX-15EC in agricultural crop protection is covered by US Patent 5,858,436 and other patents pending.

BIOX is a registered trademark of Pace International, LLC.

Product of USA

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER - PELIGRO**

