



Biox[®]-40EC

Line Spray

P O S T - H A R V E S T

Potato Sprout Control

ACTIVE INGREDIENT:

Clove Oil	40.0%
INERT INGREDIENTS*	60.0%
TOTAL	100.0%

*Potassium oleate, glycerin, isopropanol, water

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).

KEEP OUT OF REACH OF CHILDREN CAUTION - CUIDADO

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful in contact with skin or if swallowed. Avoid contact with skin, eyes or clothing. In case of contact immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

FIRST AID

If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If on Skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control center or doctor for treatment advice.

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

If in Eyes: Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

NOTE: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

PHYSICAL OR CHEMICAL HAZARDS

Combustible. Keep away from heat and open flame.

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.

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, prevent 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: This product is designed for use in a Flooder Recovery Application System.

Biox-40 EC 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% (8,000 ppm)	1	50.0
1.00% (10,000 ppm)	1	40.0
1.30% (13,000 ppm)	1	30.0
1.58% (15,800 ppm)	1	25.0
1.95% (19,500 ppm)	1	20.0

* 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.

5 Gallons
(19 Liters)



Manufactured By:

Pace International LLC

5661 Branch Road, Wapato, WA 98951 800.936.6750 www.paceint.com

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

Because the flood application system is a recirculation system, replenishment of the active ingredient is based on the line-flow volume of the potatoes.

STORAGE AND DISPOSAL

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

Pesticide Storage: BIOX-40 EC and the emulsified solution (once completely mixed) can be stored at room temperature. Keep container closed when not in use. This product temporarily inhibits germination of seed potatoes.

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: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

For more information about PACE's products, their uses and benefits, consult your PACE representative or our website at 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 and is reasonably fit for the purpose referred to in the directions for use, subject to the exceptions noted below, which are beyond the Company's control. The Company makes no other representation or warranty, express or implied, concerning the product, including no implied warranty of merchantability or fitness for a particular purpose; no such warranty shall be implied by law, and no agent or representative is authorized to make any such warranty on the Company's behalf.

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. All such risks are assumed by the user. Sale of this product is governed by the internal laws of the state of Washington; any action with respect to this product shall be brought exclusively in the state or federal courts located at Seattle, Washington U.S.A.

Limitation of Liability: 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. 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, and any such claims are hereby waived.

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-40 EC in agricultural crop protection is covered by US Patent 5,858,436 and other patents pending.

BIOX is a trademark of Pace International, LLC.

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