

Biox® -40EC

Line Spray

P O S T H A R V E S T

Potato Sprout Control

ACTIVE INGREDIENTS:

Clove Oil40.0%
OTHER INGREDIENTS (Potassium Oleate; Glycerine; Isopropyl Alcohol) ...60.0%
TOTAL..... 100.0%

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 DANGER - PELIGRO

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.)

Danger. Combustible liquid. Keep away from heat/sparks/open flames and hot surfaces. No smoking. Do not breathe the mist, vapors, or spray. Harmful if swallowed. Maybe harmful if inhaled. Causes skin and serious eye irritation. May cause respiratory irritation and allergy or asthma symptoms or breathing difficulties if inhaled. May cause drowsiness or dizziness. May cause damage to organs (nervous system, mucous membranes, liver, blood forming systems (bone marrow and spleen) through prolonged or repeated exposure. Toxic to aquatic life. In case of inadequate ventilation wear respiratory protection, best used outdoors or in a well-ventilated area. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective clothing, chemical resistant gloves, and safety glasses. Avoid release to the environment.

HAZARD STATEMENTS

Danger: Combustible liquid. Flammable liquid and vapor. Causes skin and serious eye irritation. May cause an allergic skin reaction. May be fatal if swallowed and enters airways. May cause respiratory irritation.

PRECAUTIONARY STATEMENTS

Keep away from heat / hot surfaces / sparks / open flames / and other ignition sources. No smoking. Keep container tightly closed. Ground / bond the container and receiving equipment. Use explosion-proof electrical / ventilating / lighting / and process equipment. Use non-sparking tools. Take precautionary measures against static discharge. Wash hands thoroughly after handling. Wear protective gloves, clothing and eye protection. In case of inadequate ventilation wear respiratory protection, best used outdoors or in a well-ventilated area. Fogging applicators must wear a NIOSH-approved full-face respirator with organic vapor filter. Avoid breathing mist, vapors, or spray. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

FIRST AID STATEMENTS

IF ON SKIN: Take off immediately all contaminated clothing. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. See First Aid, Section 4 on your SDS for further instructions.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor.
IF SWALLOWED: Immediately call a POISON CENTER / doctor for treatment advice. Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsing.

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 eye wear (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.

ENVIRONMENTAL HAZARDS

Toxic to aquatic life. Avoid release to the environment. 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 wash waters.

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: Biox®-40EC 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)
0.80% (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

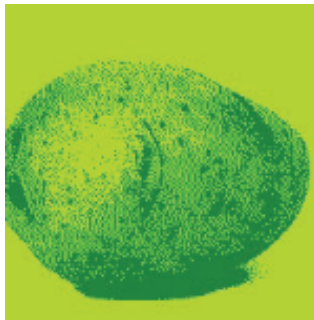
* These percentages are based on w/vol ratio and are rounded to the nearest 100 ppm.

NOTE: Thorough agitation at initial mixing is required – no further agitation needed after the emulsion is completely mixed. Water used for dilution should have a maximum hardness of 250 ppm.

Manufactured by:

 **Pace International** LLC

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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 remain 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.

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. Store in a well-ventilated space. Store locked up. Keep container tightly closed and upright to prevent leakage and contamination. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children and livestock. This product temporarily inhibits germination of seed potatoes.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed on site or in accordance with local/regional/national/ or international regulations.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill empty container. Triple rinse (or equivalent) during mixing and loading. Recycling decontaminated containers is the best option of container disposal. Decontaminated and punctured containers may also be disposed of in a sanitary land fill.

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The use of Biox®-40EC 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

Specimen Label