

BIOX-M MAPP 16021

**A liquid sprout inhibitor for use on ware potatoes in store.
Contains 100 % w/w Spearmint Oil as a hot fogging concentrate.**

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

COMPLIANCE WITH THE FOLLOWING CONDITIONS OF USE AND ALL SAFETY PRECAUTIONS MARKED # IS A LEGAL REQUIREMENT

FOR USE ONLY AS AN AGRICULTURAL PLANT GROWTH REGULATOR IN FOOD STORAGE

CROP(s): Potato (post-harvest)
Maximum total dose: 360 ml of product per tonne of potatoes
Maximum individual dose: 90 ml of product per tonne of potatoes
Dose interval: A minimum interval of 21 days between applications

READ ALL OTHER SAFETY PRECAUTIONS AND DIRECTIONS FOR USE BEFORE USE



HARMFUL

May cause sensitisation by skin contact (R43)

Harmful: may cause lung damage if swallowed (R65)

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R50/53)



DANGEROUS FOR THE ENVIRONMENT

This material and its container must be disposed of in a safe way (S35)

Use appropriate containment to avoid environmental contamination (S57)

Keep out of the reach of children (S2)

Avoid contact with skin (S24)
Wear suitable gloves(S37)

If swallowed do not induce vomiting, seek medical advice and show the label (S62)

To avoid risks to man and the environment, comply with the instructions for use.

SAFETY PRECAUTIONS

Operator protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT* when handling the concentrate or handling contaminated surfaces. *Full facemask to at least EN 136 with a combination filter to at least EN141 A2P3, or equivalent.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS WITH HOOD), SUITABLE PROTECTIVE GLOVES, RUBBER BOOTS, EYE PROTECTION (GOGGLES) AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT* when re-entering treated areas before adequate ventilation. *Full facemask to at least EN 136 with a combination filter to at least EN141 A2P3, or equivalent.

Workers must wear suitable protective gloves when handling treated material.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.

KEEP OUT OF STORE DURING TREATMENT

Environmental protection

The use of this product on ware potatoes may result in discharge of spearmint oil into receiving waters from plants washing treated potatoes. Concentration limits for spearmint oil, or the active ingredient L-carvone, may need to be applied to any discharge Permits at washing plants.

DO NOT USE OUTDOORS.

Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from yards and roads.

Storage and disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP OUT OF REACH OF CHILDREN.

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place. DO NOT RE-USE CONTAINER for any purpose. (Do not re-use, refill or recharge container).

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Marketing company: Juno (Plant Protection) Ltd., Little Mill Farm, Underlyn Lane, Marden, Kent, TN12 9AT, 01622 831376

Contents: 5 Litres

Batch No:

DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product. Read accompanying instructions before use.

PROBLEM CONTROLLED

BIOX-M is a sprout inhibitor for the post-harvest treatment of ware potatoes. Do not use on potato tubers intended for use as seed potatoes.

Consult processor before using on crops intended for processing.

The effect of BIOX-M on tuber skin quality has not been fully established and some effects on the appearance of tubers may occur following use of BIOX-M.

CROP SPECIFIC INFORMATION

Potatoes should have a set skin and be largely free from soil/debris

Do not apply to potatoes until they are dry and cured, generally 6-15 days post harvest.

The 1st application should be applied before sprouting is visible.

Maintain the store at a temperature suitable for the end use of the crop, generally 2-10°C (except during application as stated below).

DOSE RATE

Rate of application: The first application should be at a rate of 90 ml/tonne followed by up to 9 repeat applications, at a minimum of 21 day intervals, at 30 ml/tonne.

METHOD OF APPLICATION

BIOX-M must only be applied by specialist contractors using appropriate application equipment.

BIOX-M is to be used exclusively with Xeda/Cedax Electrofog hot fogging equipment.

Electrofog equipment should be placed outside the store.

IMPORTANT: Follow the Xeda/Cedax Electrofog instructions.

The temperature of the fog exiting the vaporisation pipe should be 185-190°C.

The resistance temperature should be 450-650°C.

During application all doors and louvers should be tightly closed. Normal ventilation may be resumed 24 hrs after application.

Application Procedure:

Stop refrigeration and ensure all refrigeration equipment is free from ice and store temperature is even before application

For potatoes in crates or boxes:

- Apply the product in the absence of internal circulation, at the end of the application apply low speed internal circulation for a short period, typically 2 to 5 minutes
- Wait a further 2 hours before applying continuous low speed internal circulation for about 22 hours

For potatoes in bulk:

- Apply the product with concomitant low speed internal circulation
- Allow internal fans to run continuously at low speed for 24 hours

Normal store control should resume 24 hours after end of application.

MIXING and COMPATIBILITY

BIOX-M is applied neat.

COMPANY ADVISORY INFORMATION

This section is not part of the Product Label under the Plant Protection Products Regulations 1995 and serves to provide additional advice or information on the product use at the discretion of the applicant.

CROP CONDITION

For best results apply BIOX-M before the potato eyes open.

STORAGE CONDITIONS

After loading the store ensure surface moisture is removed by use of ventilation.

Store design, potato variety and condition will affect the height of the potatoes in bulk stores. Potatoes should not be stacked more than 3 metres high. The stacking height for boxes is dictated by the British Standard Mark on the individual boxes and by health and safety legislation. The boxes should be stacked with the pallet slots aligned so as not to impede the circulation of the fog.

Stores should be loaded as quickly as possible to ensure that the drying and curing time is not extended and that the first potatoes loaded have not started to sprout before the last potatoes are cured.

STORAGE TEMPERATURE

Potatoes should be held at a temperature suitable for the end-use of the crop. For best results keep within 2-10°C

CONDITIONS OF SUPPLY

All goods supplied are manufactured to our usual standard of quality, but all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of the goods are excluded and no liability (save as to the liability to replace defective goods herein provided) will be accepted by us for any damage, loss or injury whatsoever arising out of or in connection with the goods or drums or other containers thereof, or from the storage, handling, applications or use thereof. In the case of alleged defects in the manufacture of the goods proved by the customer to our satisfaction we will at our expense replace or otherwise remedy the defective goods. In particular, liability in tort arising in or out of the manufacture, distribution, sale or use of the product is hereby expressly excluded. All our goods are sold and supplied on the terms contained in our Standard Conditions of Sale (of which the above is a part) which shall prevail over any other terms and which may be inspected on request.

Storage: BIOX-M can be stored for up to 2 years in original sealed packaging at ambient temperature. Protect from frost.

