

# 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

Recommendation: A minimum interval of 21 days between applications

**READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS**

## 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.\*

DO NOT BREATHE VAPOUR.

WASH CONCENTRATE from skin or eyes immediately.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

\* WEAR SUITABLE PROTECTIVE GLOVES AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT when re-entering treated areas within 24hr of treatment.

IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible).

\* 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).

### Danger

May cause an allergic skin reaction.  
May be fatal if swallowed and enters airways.  
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Avoid breathing dust/fume/ gas/ mist/ vapours/ spray.  
Wear protective gloves/protective clothing/eye protection/ face protection.  
This material and its container must be disposed of in a safe way.  
Use appropriate containment to avoid environmental contamination.  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
IF ON SKIN: Wash with plenty of soap and water.



## 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.

### 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.

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.

### DOSE RATE

A programme of 90 ml/tonne followed by up to 9 repeat applications of 30 ml/tonne, at a minimum of 21-day intervals has been supported by effectiveness and crop safety data.

### METHOD OF APPLICATION

BIOX-M is to be used exclusively with Xeda/Cedax hot fogging equipment or other hot fogging equipment officially approved by XEDA International. BIOX-M must only be applied by specialist contractors using appropriate application 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.

Stores should remain fully closed after treatment with no entrance to avoid loss of product and ensure the best possible efficacy.

Normal ventilation should be resumed no sooner than 48 hours after completion of application.

### Application Procedure:

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

Apply the product with internal air circulation appropriate to ensure complete distribution of the product throughout the store.

This may be achieved with low-speed internal circulation operating periodically or continuously during the closed period; or with high speed fans after application.

**MIXING and COMPATIBILITY:** BIOX-M is applied neat.

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

**Authorisation holder:**  
Xeda International S.A., Z.A. la CRAU, 13670 ST-ANDIOL  
(France), Tel : + 33 4 90 90 23 23, Fax: + 33 4 90 90 23 20



**Batch N°/Date of manufacture/expiry date/net content : see packaging**

**UK**