

MAPP 16021

Contains **100 % w/w Spearmint Oil** as a hot fogging. Concentrate (HN)

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

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

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

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

APPLICATION EQUIPMENT :

IMPORTANT: BioX-M must only be applied with Electrofog (Venturi type). Read the instruction manual before use. For use of other machines, please request prior approval from Xeda International. Old Electrofog models without a Venturi system are not suitable for application of BIOX-M, due to a possible risk of fire. Serial numbers of an Electrofog with the Venturi system have a serial number starting with the letter H. If the H is absent from the serial number, the Electrofog must not be used with BIOX-M.

BioX-M must not be applied with combustion fogging machines using petrol as a fuel, due to risk of fire.

Additionally, combustion fogging machines can produce CO₂ and ethylene, which combination in the storage room may be detrimental to the potato quality. When in doubt, contact Xeda International.

Electrofog equipment should be placed outside the store.

IMPORTANT : Follow the Xeda Electrofog instructions.

The temperature of the fog exiting the vapourisation pipe should be 190°C +/- 5°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

BioX-M should only be applied by specialist contractors.

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.

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.

HARVEST INTERVAL : There is no mandatory harvest interval for BioX-M. However, it is advised that treated crop remains in store for at least 12 days after treatment.

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 is stable for 2 years when stored in the sealed original containers between 0 and 35°C. Protect from frost.

UKBIOXM20/01

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



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

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100%

BIOX M MAPP 16021

UFI : 8Y82-016R-P00S-856S

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Prevention :

P261 : Avoid breathing fume/gas/vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/ face protection.

Response :

P301 + P310 IF SWALLOWED : Immediately call a POISON Center or doctor/ physician.

P331 Do NOT induce vomiting.

P313 + P333 If skin irritation or rash occurs : Get medical advice/attention.

Disposal :

P501 Dispose of contents/container in accordance with national regulations.

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

DANGER



IN CASE OF EMERGENCY :

Call NHS Direct in England or Wales 0845 46 47 or in Scotland 08454 24 24 24 (UK only).

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

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.

* SP 1 Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards 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).

UKBIOXM20/02