

# ARGOS

PLANT GROWTH REGULATOR

PCS 05838

For use as a sprout inhibitor on stored potatoes

## Risk and Safety Information

### Warning

Flammable liquid and vapour  
Causes skin irritation  
May cause an allergic skin reaction  
Very toxic to aquatic life with long lasting effects

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Avoid breathing dust/fume/gas/mist/vapours/spray  
Wash hands thoroughly after handling  
Contaminated work clothing should not be allowed out of the workplace  
Wear protective gloves/protective clothing/eye protection/face protection  
In case of inadequate ventilation wear respiratory protection  
IF ON SKIN: Wash with plenty of soap and water  
If skin irritation occurs: Get medical advice/attention  
Take off contaminated clothing and wash it before reuse  
Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste.

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

PCS no. 05838



Contains 843.2 g/L (99.9% w/w) orange oil as a hot fogging concentrate (HN) formulation

### IMPORTANT INFORMATION

FOR PROFESSIONAL USE ONLY AS A PLANT GROWTH REGULATOR IN THE STORAGE OF WARE POTATOES

Crop: Potatoes stored - ware  
Maximum single dose: 100 ml product/tonne  
Maximum total dose: 900 ml product/tonne  
Optimal time of application: Not applicable

**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**

Manufacturing date and Batch no.:  
**see packaging**

Manufacturer, Marketing Company and Approval holder:  
Arysta LifeScience Benelux Sprl  
Rue de Renory 26/1  
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## SAFETY PRECAUTIONS

### Operator protection

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate or handling contaminated surfaces.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS, HOOD), GLOVES, RUBBER BOOTS, EYE PROTECTION (GOGGLES) AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT when re-entering the store within 24 hours of treatment. \*Full face mask to at least EN 136 with a combination filter to at least EN 141 A2P3, or equivalent.

WEAR SUITABLE PROTECTIVE GLOVES when handling treated material.

WASH HANDS AND EXPOSED skin before eating, drinking or smoking and after work.

KEEP OUT OF STORE DURING TREATMENT.

DO NOT ENTER treated areas for at least 24 hours after treatment (unless appropriate personal protective equipment is worn – see above).

VENTILATE TREATED AREAS thoroughly when fog has cleared.

WASH PRODUCT from skin or eyes immediately.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

### Environmental protection

**Do not contaminate water with product or its container.**

**Do not clean equipment near surface water. Avoid contamination via drains from farmyards and roads.**

### Storage and disposal

DO NOT RE-USE CONTAINER for any purpose.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

EMPTY CONTAINER COMPLETELY and dispose of safely.

This container must not be re-used for any purpose.

### 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.

### RESTRICTIONS OR WARNINGS

DO NOT USE on seed potatoes.

To protect aquatic organisms, respect a period of 24 hours between the last application and the industrial rinsing of potatoes.

## STORE DESIGN

**Only treat potatoes stored in purpose designed or dedicated potato stores. The efficacy of ARGOS will decline in buildings without proper insulation, circulation of airflow and temperature controls.**

Use in stores with forced air/ducted ventilation to ensure uniform air flow and to avoid blockage of air spaces between the tubers which can impede efficacy of the product and lead to a build-up of condensation.

## CROP CONDITION

To be used only on potatoes intended for consumption. Consult processors before using on potatoes destined for processing.

DO NOT fog potatoes with a high level of skin spot.

Potatoes should be clean, dry and free from signs of disease. Ensure skin is sufficiently cured before treatment. Daily crop inspection is essential to check curing and onset of sprouting.

## TIMING

Start treatment with the first symptoms of germination on dry potatoes.

Up to 9 repeat applications may be necessary and regular inspection for the onset of sprouting should be made to ensure timely application.

## CIRCULATION & VENTILATION

It is important to get slow speed air re-circulation through the crop for evenness of deposition and improved efficacy.

### Bulk stores

Slow speed air recirculation should run continuously during and after the fogging treatment until the fog has cleared.

### Box stores

Preferably, fogging should only be done while employing positive ventilation which ensures an active movement of the fog between the tubers inside the boxes. Run fans during and after the fogging treatment till the fog has cleared in order to achieve even distribution of the product and improved efficacy.

For stores without positive ventilation (ambient air flows), maintain gentle movement of air during the fogging operation.

## RATE OF APPLICATION

### Apply at a rate of 100 ml per tonne of potatoes.

Regular crop inspections should be made to identify when repeat applications are required (i.e. onset of sprouting).

A 21 day minimum interval must be observed between applications.

The frequency of application is dependent on the variety of potato and susceptibility to sprouting. Consult your processor for guidance on number of applications and effects on fry colour.

## APPLICATION METHOD

Argos is a ready to use product to be applied as a cold fog or hot fog, using suitable fogging equipment. Read the instruction manual for the application equipment before use. Consult your supplier of Argos for further information on the appropriate settings for the application equipment.

Hot-fogging application should only be carried out with temperature-controlled equipment. Hot-fogging machinery without the possibility to regulate temperature is strictly not to be used. The temperature-controlled hot-fogging machinery should be set to produce a fogging temperature no higher than 190°C. This is to avoid the risk of auto-ignition (auto-ignition temperature of Argos is 248°C).

Fogging machinery must not be left unattended during application.

Fogging should ideally be carried out with the fogging machine outside the warehouse with the fog being led into the store through a treatment port or other secure means. Only stores dedicated for potato storage should be treated.

A forced air ventilation system should be in place to allow distribution of the fog through the potatoes and to avoid the build-up of condensation. All other external vents and doors should be closed during treatment to ensure the store is airtight. It is important to maintain a gentle flow of air during treatment.

The doors and external ventilation openings of the potato storage sites must be properly closed during treatment. Only internal ventilation is required. After treatment, allow the internal ventilation to continue to run until the mist has settled. After this, keep the room closed for approx. 24 hours,

after which external ventilation is possible in the normal way. The treated room may only be entered after brief ventilation with outside air (at least 30 minutes).

Unprotected persons must be kept out of treated areas for a minimum of 24 hours.

## Conditions of Supply

Seller warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such labels, only when used in accordance with directions under normal use conditions. 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, or manner of use or application, all of which are beyond the control of the seller. In no case shall seller be liable for consequential, special or indirect damages resulting from the use of handling of this product. All such risks shall be assumed by the buyer. Seller makes no warranties of merchantability or fitness for a particular purpose nor any other express or implied warranty except as stated above.