

Gro-Stop® Ready

MAPP 15109/PCS 04828

An oil in water emulsion formulation containing 120 g /litre chlorpropham to prevent sprouting in dormant ware potatoes.

Contents: 10 litres e

Batch No.:

THE (COSHH) CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS MAY APPLY TO THE USE OF THIS PRODUCT AT WORK.

– UK only

SAFETY PRECAUTIONS

Operator protection

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

Operators must wear suitable protective clothing (coveralls) and suitable protective gloves when handling the concentrate, handling contaminated surfaces or handling freshly treated material.

Workers must wear suitable protective gloves when handling treated material.

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

Avoid contact with skin. – UK only

Environmental protection

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.

The use of this product on ware potatoes is subject to discharge of chlorpropham into receiving waters from plants washing treated potatoes being within emission limits set by the UK monitoring authority-UK only

Storage and disposal

DO NOT RE-USE CONTAINER for any purpose.

EMPTY CONTAINER COMPLETELY and dispose of safely.

PROTECT FROM FROST. Store in a dry and cool place.

This Product is approved under the Plant Protection Product Regulations

IMPORTANT INFORMATION

FOR USE ONLY AS A PLANT GROWTH REGULATOR IN FOOD STORAGE PRACTICE

Crops/situations: Potato (post harvest use, excluding seed)

Maximum individual dose: 150 ml (18 g chlorpropham)/tonne potatoes

Maximum number of treatments: 1 per crop

Latest time of application: At store loading and 8 weeks before marketing or processing.

Other specific restriction

Whilst this product must be used within the rates specified above, note that if the total dose of chlorpropham applied from any combination of products containing chlorpropham is greater than 24g chlorpropham per tonne potatoes then the treated potatoes must only be used for commercial processing.

In any case the total dose of chlorpropham applied from any combination of products containing chlorpropham must not be greater than 36g chlorpropham per tonne potatoes to any stored potato crop

If stored potatoes have received a sprayed treatment of chlorpropham on entry into store , no further applications of chlorpropham are permitted by fogging.

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

GRO-STOP Ready

An oil in water emulsion formulation containing 120 g /litre chlorpropham and 1-dodecyl-2-pyrrolidone



WARNING
SUSPECTED OF CAUSING CANCER
MAY CAUSE DAMAGE TO ORGANS THROUGH
PROLONGED OR REPEATED EXPOSURE
TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

Do not handle until all safety precautions have been read and understood.

Avoid release to the environment.

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

IF exposed or concerned: Get medical advice/attention.

Store locked up.

Dispose of contents / container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

Contains 1-dodecyl-2-pyrrolidone. May cause an allergic reaction.

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

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This label is compliant with the CPA Voluntary Initiative Guidance. – UK only



Marketed by:

CERTIS

Suite 5, 3 Riverside, Granta Park, Great Abington, Cambridgeshire,
CB21 6AD Tel: 0044 (0)845 373 0305 Fax: 0044 (0)1223 891210
E-mail: certis@certiseurope.co.uk

For technical and non-emergency calls – phone 0044 (0)1223 894261
For advice on medical emergencies, fires, spillages or chemical hazards
ONLY – phone 0870 190 6777

Approval Holder

Certis Europe BV c/o, Suite 5, 3 Riverside, Granta Park, Great Abington,
Cambridgeshire, CB21 6AD

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CONDITIONS OF SUPPLY: The Seller warrants that the goods shall at the time of delivery to the Buyer conform to the Seller's standard specification but all other conditions and warranties, whether express or implied by statute or custom of the trade or otherwise and whether as to condition, quality, performance, merchantability, fitness for any purpose or otherwise, are expressly excluded and, subject as aforesaid, the Seller shall be under no liability whatsoever, in contract or in tort, for or in respect of any loss or damage whatsoever resulting from or arising out of the goods or supply or use thereof, whether caused by the negligence of the Seller or otherwise. The Seller shall be under no liability in respect of the warranty given above unless the Buyer allows the Seller reasonable opportunity of inspecting the goods where practicable. A consumers statutory rights are not affected.

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.

Gro-Stop Ready is used to inhibit sprouting in dormant potatoes during storage (excluding seed potatoes). The active ingredient chlorpropham prevents sprout cell division and is effective only on contact. The potatoes are treated with Gro-Stop Ready immediately on placement into storage.

WARNING:

If applied immediately after harvesting, sprout inhibitors based on chlorpropham may cause skin effects on varieties that are susceptible to this (e.g. thin-peel varieties) and potatoes that have not yet been cured. Furthermore, due to the delay in wound healing, there is an increased risk of storage diseases (e.g. powdery scab, skin spot). Under climatic conditions favourable to these diseases, this can result in an increase in damage during storage and loss of quality. The results of using chlorpropham sprout inhibitors therefore depend on the variety, harvest quality, storage area, storage temperature, any field-generated pathogens on tubers and other factors.

Gro-Stop Ready is only suitable for use on crops harvested in good conditions (warm and dry) with minimal mechanical damage and minimal soil and tuber-borne skin spot infection going into store.

In order to reduce skin defects and the risk of storage diseases and other harmful side-effects, the following must be taken into account:

- Damaged and diseased potatoes should be removed before treatment

- Do not use on skin spot susceptible varieties, especially those lifted late under cold wet conditions
- External spotting may be seen when Gro-Stop Ready is applied to thin-skinned varieties such as Nicola
- The potatoes to be treated must be dry and free of dirt
- The skin must have been cured sufficiently

Crop safety

Based on our own experience, and taking the above into account, Gro-Stop Ready is tolerated by the following varieties:

Agria, Bintje, Desiree, Estima, Fianna, Lady Rosetta, Maris Piper, Pentland Dell, Record, Romano, Saturna, Spunta.

The following varieties indicate a higher sensitivity to skin spots:
Courage, Karlena, Nicola, Sante, Victoria.

Batches of varieties that are susceptible to spotting (e.g. thin-skinned varieties, damaged potatoes), batches that do not have sufficiently intact skin or are not sufficiently dry or healthy or which are susceptible to storage diseases such as skin spot should not be treated with Gro-Stop Ready at loading into store, but with Gro-Stop Fog/100/Solid after curing.

Skin damage may occur with varieties not listed. Please contact Certis or your distributor for the latest variety information

Application rate and method

Rate of application: 150 ml (18 g chlorpropham) /tonne

Gro-Stop Ready is sprayed at a rate of 150 ml/t potatoes (excluding seed potatoes) as they enter the storage facility on a conveyor belt.

The product is applied using a special device (ULV/ spinning disc device) that is best mounted at the start of the conveyor belt. Complete, even and professional application of the potatoes is essential for their effective treatment.

Maximum of one treatment per crop per year. No subsequent fogging treatments are permitted.

Gro-Stop Ready is only to be applied to dry, healthy potatoes with intact skins. Large quantities of dirt will reduce the effectiveness.

Caution: The product must not be applied using thermal fog equipment.

Special instructions

- Seed stock or seed potatoes of any kind must not be exposed to the vapour spray.

- The storage facility containing potatoes treated with Gro-Stop Ready must not be used to store seed stock or seed potatoes.
- Check varieties that sprout vigorously regularly at higher storage temperatures.
- Inspect store at regular intervals to assess the need to remove the potatoes from the store.
- Clean the spray equipment after application.

Following crops

IMPORTANT - Seed crops of any type *must not be stored* in buildings in which potatoes are being treated. There is also a risk of damage to propagating material (seeds, tubers, runners, etc.) which is handled or stored in buildings or boxes previously treated with chlorpropham. This applies to seed potatoes, malting barley, seed grains, grass seed, ALL other seed crops and plant material for propagation such as raspberry canes. Any commodity handled or stored in previously treated boxes or stores may also become contaminated leading to an exceedance of the maximum residue level (MRL). For further information, please contact Certis.

Company Advisory Information 2017 Storage Season

This section is not part of the statutory recommendations under the Plant Protection Products Regulations 2005 (amended) however it contains advice that is strongly recommended to be chlorpropham compliant. Visit www.cipccompliant.co.uk

Ventilation Management	Please refer to the AHDB Potatoes ventilation best practice guidance “Be CIPC Compliant”, www.cipccompliant.co.uk/2017
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Only use in stores where active recirculation can be employed as instructed under Stewardship Best Practice.

Fogging contractors:

- Only apply chlorpropham if NPTC PA1 and PA9 qualifications are held and you are audited by the NAAC.
- Ensure all applications have been recommended by a BASIS qualified advisor.
- Ensure all equipment has been NSTS tested and is in date.
- Always follow the chlorpropham Code of Best Practice.
- Only apply chlorpropham if a store passes the chlorpropham store checklist and complies with the Code of Best Practice

Refer to AHDB Potatoes publications for current best practices (www.potatoes.ahdborg.uk; www.cipccompliant.co.uk)

**This Safety Data Sheet does not form part of the label authorized under
Regulation 1107/2009**

Material Safety Data Sheet

To access the safety data sheet for this product, scan the QR code or use the web-link below:



goo.gl/fskWEX

Alternatively contact your supplier.