

LATITUDE®

MAPP 18036

A seed treatment for the reduction of take-all in winter and spring wheat and winter barley.

A flowable suspension concentrate containing 125 g/litre (11.83% w/w) of silthiofam.



SEED TREATMENT

F

Net content

600 L

PROTECT FROM FROST

GROUP C7 FUNGICIDE

LATITUDE

A flowable suspension concentrate containing 125 g/litre (11.83% w/w) of silthiofam.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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

P314 Get medical advice/ attention if you feel unwell.

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

P362 + P364 Take off contaminated clothing and wash it before reuse.

P501 Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed, empty, clean containers which can be disposed of as non-hazardous waste.

Contains *1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one*; reaction mass of: *5-chloro-2-methyl-4-isothiazolin-3-one* and *2-methyl-2H-isothiazol-3-one (3:1)*; *silthiofam (ISO)*; *N-allyl-4,5-dimethyl-2-(trimethylsilyl)thiophene-3-carboxamide*.

EUH450 Can cause long-lasting and diffuse contamination of water resources.

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

DANGER

H317 MAY CAUSE AN ALLERGIC SKIN REACTION.

H373 MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

H412 HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS.



For advice on medical emergencies, fires, spillages or chemical hazards **ONLY – phone Carechem 24 EU: 01235 239670**

For technical and non-emergency calls phone 0845 373 0305

Production date / Batch number: see packaging

Authorisation Holder: **Certis Belchim B.V.**
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SAFETY PRECAUTIONS are detailed within the attached leaflet.

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Certis Belchim
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IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL SEED TREATMENT

Crop	Maximum individual dose (mL/100 kg seeds)	Maximum number of treatments	Latest time of application
Winter and spring wheat and winter barley	200	One per batch	Immediately prior to drilling

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.

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

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 when opening or connecting the container, calibrating or cleaning machinery, handling contaminated surfaces, dealing with spillages and handling treated seed.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when bagging treated seed. However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection. WASH HANDS AND EXPOSED SKIN before eating and drinking and after work.

Environmental Protection

DO NOT CONTAMINATE WATER WITH THE PRODUCT OR ITS CONTAINER.

To protect birds and wild mammals the product must be entirely incorporated in the soil; ensure that the product is also fully incorporated at the end of rows.

To protect birds and wild mammals remove spillages.

Storage and Disposal

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place. DO NOT RE-USE CONTAINER 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

Seed quality: Do not use LATITUDE on seed with more than 16% moisture content, or on sprouted, cracked, or skinned seed. Test germination on all seed batches to ensure that the seed is viable and suitable for treatment with LATITUDE.

Disease Controlled

LATITUDE contains siltthiofam, a fungicide from the benzamide group. It is used in winter and spring wheat and winter barley as a fungicidal seed treatment for reducing the effects of take-all (*Gaeumannomyces graminis var tritici*) LATITUDE can reduce both the severity of root rot and the incidence of whiteheads which can result in increased crop yield and grain quality. It is important to recognise that symptoms of take-all may be seen in treated crops in high disease situations.

Crop Specific Information

Rate of Use: 200 mL product per 100 kg of seed.

Application

In order to recirculate the product in the container, agitate the contents thoroughly before use. The product must only be transferred from the top opening of the container using a closed transfer system (for 600 litre containers only).

Warning: containers of greater than 25 litres capacity should be handled only with mechanical assistance.

Apply LATITUDE simultaneously with a standard seed treatment using a recommended seed treatment machine which has been accurately calibrated to obtain the correct dose rate. Apply water, as necessary, to optimise coverage.

Only apply LATITUDE using approved seed treatment equipment. For a list of approved equipment contact your Certis Belchim representative.

After use, thoroughly clean the application equipment using clean water.

Storage of Treated Seed

Drill seed treated with LATITUDE in the season of purchase. Although LATITUDE does not have any adverse effect on the storage life of treated seed, the viability of such seed and the performance of LATITUDE may be adversely affected by physical storage conditions. No liability can therefore be accepted for the performance of stored, treated seed.

Crops Grown for Processing

LATITUDE is unlikely to show any adverse effect on baking, malting, brewing and distilling processes. However, for crops grown for processing, consult your grain merchant or processor before use.

Drilling Instructions

Check drill calibration before use with each seed lot to ensure accurate seeding rates. Drill LATITUDE treated seed at a depth of 2.5-4 cm, into a well-prepared and firm seedbed, providing optimal conditions for crop emergence and establishment.

Use best practice to avoid adverse seedbed conditions such as very dry, fluffy, cloddy or capped seedbeds, water logged soil or too deep or too shallow drilling depths. Also avoid the use of seed with low germination capacity and/or vigour and residual herbicides that reduce field emergence.

Integrate the use of LATITUDE with cultural methods of control by optimising sowing date, seeding rate, nitrogen use and soil conditions (e.g. seedbed preparation, drainage, pH etc).

Compatibility

LATITUDE shows excellent crop safety and compatibility with other seed treatments. It should be co-applied with standard seed treatments for control of seed-borne diseases. For further information on the compatibility of LATITUDE with any other material consult your Certis Belchim representative.

Resistance Management

The possible development of resistance to LATITUDE cannot be excluded or predicted. Where such resistant disease strains may occur, LATITUDE is unlikely to give satisfactory control. As a precaution do not treat more than three consecutive susceptible cereal crops in any one rotation. Also reduce resistance risk by adopting an integrated approach to take-all control.

Medical advice

Medical guidance is available on a 24 hour basis by telephoning the National Chemical Emergency Centre on 01865 407333 or for doctors, from the National Poisons Information Service on 0844 8920111

COMPANY ADVISORY INFORMATION

This section is not part of the Product Label under the Plant Protection Products Regulations 1995 and provides additional advice on the product.

General

LATITUDE affects energy production in the cell of the fungus. Its mode of action is different from the action of triazoles, a fungicide group known to have some activity against take-all. To maximise the safety of LATITUDE to the operator, consumer and environment, the label recommendations and the DEFRA/HSC/NAW publication 'Code of Practice for using Plant Protection Products' of January 2006 should be adhered to.

Disposal

Product: Follow the guidance on the disposal of surplus spray solution, tank washings, concentrate and containers as given in Section 5 of the DEFRA/HSC/NAW publication 'Code of Practice for using Plant Protection Products' of January 2006.

Empty containers: 600 litre, 200 litre and single use 25 litre drums should be drained, labelled and left in a clean condition ready for collection.

Sampling of treated seed

It is good practice to retain samples of treated seed.

- Take a sample of treated seed from every batch and store in sample bags in a dry, darkplace.
- Clearly label each sample with the seed lot and date of treatment.
- Retain for a period of at least 12 months from the date of treatment.

SAFETY PRECAUTIONS FOR TREATED SEED BAG LABEL

THIS SEED HAS BEEN CHEMICALLY TREATED.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when handling treated seed.

DO NOT HANDLE seed unnecessarily.

DO NOT USE TREATED SEED as food or feed.

DO NOT RE-USE SACKS OR CONTAINERS THAT HAVE BEEN USED FOR TREATED SEED for food or feed.

KEEP TREATED SEED SECURE from people, domestic stock/pets and wildlife at all times during storage and use.

WASH HANDS AND EXPOSED SKIN before meals and after work.

BURY OR REMOVE SPILLAGES. HARMFUL TO GAME AND WILDLIFE. Treated seed should not be left on the soil surface, bury spillages

DO NOT APPLY TREATED SEED FROM THE AIR.

Trade Mark References

Latitude® is a registered trade mark of Certis Belchim B.V. All other brand names referred to are trade marks of other manufacturers in which proprietary rights may exist. Certis Belchim does not warrant that the purchase or use of equipment mentioned in this document will not infringe any patent or trade mark registration.

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.

To access the Safety Data Sheet for this product scan the QR code or use the weblink below:
WEBLINK to specific data sheet on manufacturer's website:



www.certisbelchim.co.uk/pdf/MSDS/Latitude_MSDS.pdf

Alternatively, contact your supplier.