



- Fungicide

LATITUDE®

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

This product contains a flowable suspension concentrate containing 125g/litre (11.83% w/w) of silthiofam.

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

Contents **e** 25 litres

MAPP Number 10695

PROTECT FROM FROST

Imported

Lot number/production date:



The Voluntary Initiative

This label has been produced according to the Crop Protection Association Voluntary Initiative (VI) guidance.

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Dangerous for the environment



Irritant

May cause sensitisation by skin contact.

Harmful to aquatic organisms.

May cause long-term adverse effects in the aquatic environment.

Avoid contact with skin.

Wear suitable gloves.

This material and its container must be disposed of in a safe way.

Use appropriate containment to avoid environmental contamination.

To avoid risks to man and the environment, comply with the instructions for use

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL SEED TREATMENT

Crops:	Winter and spring wheat and winter barley
Maximum individual dose:	200ml of product/100kg of seed
Maximum number of treatments:	One per batch
Latest time of application:	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.

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.

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 0870 600 6266.

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.

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 silthiofam, 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: 200ml product per 100kg 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 Monsanto 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 (eg seed-bed 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 Monsanto 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.

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 06 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 06.

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, dark place.
- 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.

Environmental Information Sheet

An Environmental Information Sheet for this product is available from the CPA's Voluntary Initiative website (www.voluntaryinitiative.org.uk).

Trade Mark References

Latitude® is a registered trade mark of Monsanto Technology LLC.

Monsanto® and the Vine symbol are registered trade marks of Monsanto Technology LLC.

All other brand names referred to are trade marks of other manufacturers in which proprietary rights may exist.

Monsanto does not warrant that the purchase or use of equipment mentioned in this document will not infringe any patent or trade mark registration.

SAFETY DATA SHEET

This Safety Data Sheet does not form part of the label approved under the Plant Protection Products Regulations 1995.

Following the instructions on this Product Label for the specified uses should ensure that the product is used safely and efficaciously for those uses.

The information on this Safety Data Sheet is based on the best available information at the time of going to print. Any updates to this Safety Data Sheet from the date of printing are available on request (telephone Monsanto Technical Helpline 01954 717575) or can be downloaded from the Monsanto website: www.monsanto-ag.co.uk