

# Butisan® S



## MAPP 16569

A suspension concentrate containing 500 g/l (43.1% w/w) metazachlor, 1,2-benzisothiazol-3(2H)-one and 2-methylisothiazol-3 (2H)-one.

A herbicide for use on oilseed rape, outdoor crops of direct drilled and transplanted cabbage, Brussels sprout, cauliflower, broccoli, calabrese, ornamental trees, ornamental shrubs and nursery fruit trees.

The (COSHH) Control of Substances Hazardous to Health 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 handling the concentrate.

WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when applying by hand held equipment.

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

WASH CONCENTRATE from skin or eyes immediately.

DO NOT BREATHE SPRAY.

WASH HANDS AND EXPOSED SKIN before meals and after work.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible).

### 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 farmyards and roads.

To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 metres of the top of the bank of a static or flowing water body, unless a Local Environment Risk Assessment for

Pesticides (LERAP) permits a narrower buffer zone, or within 1 metre from the top of a ditch which is dry at the time of application.

DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1 metre of the top of the bank of a static or flowing water body.

Aim spray away from water.

This product qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme.

Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with CRD's published guidance or the statutory buffer zone as appropriate to the crop must be maintained.

The results of the LERAP must be recorded and kept available for three years.

KEEP LIVESTOCK out of treated areas until poisonous weeds such as ragwort have died and become unpalatable.

### Storage and disposal

Keep dry and frostproof in a suitable pesticide store.

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.

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times.

Add washings to sprayer at time of filling and dispose of container safely.

DO NOT RE-USE CONTAINER for any other purpose.

This label is compliant with the CPA Voluntary Initiative Guidance



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# 5L

Supplied by: BASF plc, 4th and 5th Floors, 2 Stockport Exchange, Railway Road, Stockport SK1 3GG,  
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Technical Enquiries: 0845 602 2553 (office hours)

# Butisan® S

A suspension concentrate containing 500 g/l (43.1% w/w) metazachlor

## Warning

**Harmful if swallowed.  
May cause an allergic skin reaction.  
Suspected of causing cancer.  
Very toxic to aquatic life with long lasting effects.**

If medical advice is needed, have product container or label at hand.

Wear protective gloves, protective clothing and eye protection or face protection.

Obtain special instructions before use.

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.

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



## IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL HERBICIDE.

Crops	Maximum individual dose	Maximum total dose per crop	Latest time of application	Aquatic buffer zone distance (metres)
Oilseed rape	1.5 litres Product/hectare	1.5 litres Product/hectare	Before 9 true leaf stage (GS19)	5
Outdoor Brussels sprout, cabbage, cauliflower, broccoli, calabrese	1.5 litres Product/hectare	1.5 litres Product/hectare	Before 9 true leaf stage (GS19)	5
Outdoor ornamental trees, ornamental shrubs, nursery fruit trees*	1.5 litres Product/hectare	1.5 litres Product/hectare	-	5

### Other specific restrictions:

Applications shall be limited to a total dose of not more than 1.0 kg Metazachlor/ha in a three year period on the same field.

\*When Butisan S is used on nursery fruit trees, any fruit harvested within one year of application must be destroyed.

**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.**

UFI : XWM2-107T-M00A-WH9H

## 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.

Butisan S is a residual herbicide which can be used in all varieties of oilseed rape, Brussels sprouts, cabbages, cauliflowers, broccoli and calabrese. It may also be used in some ornamentals, hardy nursery stock and nursery fruit trees.

Butisan S is suitable for use on all soil types as defined in the Soil Texture (85) System, except sands and very light soils and soils containing more than 10% organic matter.

## Restrictions/Warnings

With drilled crops, when applying Butisan S pre-emergence, it is important for crop safety to ensure physical separation of the herbicide from the seed. Ensure that the seed is well covered with soil, to a depth of 15 mm. With direct drilled crops, harrow across slits to cover the seed before spraying Butisan S. Ensure that transplants are correctly planted with the roots well covered. Loose and puffy seedbeds must be consolidated before treatment.

Do not apply to broadcast crops of oilseed rape until the crop has attained the two fully expanded cotyledon growth stage.

Do not use when heavy rain is forecast.

On medium and heavy soils where seedbeds are moist, firm and free from clods, pre-emergence Butisan S should be applied from drilling up until the crop seed chits. In warm soils, this may occur within 48 hours of drilling.

Avoid applying Butisan S to soils with a compaction layer or which are poorly drained, as crop damage can occur under waterlogged conditions.

Care should be taken to avoid overlap of spray swaths.

Do not treat crops which are suffering from wilting, pests or diseases or badly planted transplants.

When used alone Butisan S has very little dewaxing activity. However, under frosty conditions a transient scorch may sometimes occur. Do not use Butisan S in tank mixtures under frosty conditions.

A reduction in crop vigour, weed control and possibly plant stand may occur with excessive rainfall shortly after application. If heavy irrigation is planned after transplanting, apply Butisan S after irrigating. Where a crop check has occurred this usually grows out after a few weeks and yields are normally unaffected.

On brashy and stony soils, Butisan S may cause some reduction in crop vigour and/or plant stand, due to the chemical moving down to the rooting zone too rapidly.

Herbicidal activity is dependent upon root uptake. If Butisan S is applied onto a dry soil surface it will only be effective after rainfall has occurred. Light (10 mm at any one time) irrigation will help to ensure herbicidal activity. Weed control is dependent on adequate moisture.

Useful weed control can be obtained on soils with an organic matter higher than 10% but it may decrease as the percentage of organic matter increases appreciably.

In ornamental trees, ornamental shrubs and nursery fruit trees not all species or cultivars have been tested and so only a small number of plants should be treated initially to gain experience with the treatment. Selectivity is greatest when applied under cool, overcast conditions. Applications should not be made to soft, vigorously growing foliage, particularly during or after a period of warm days and cold nights.

**Extreme care should be taken to avoid damage by drift onto plants outside the target area**

To reduce the risk of movement of Butisan S to water:-

- On clay soils, create a fine, consolidated seedbed to slow the downward movement of water.
- Do not apply Butisan S to dry soil. Moist soils have fewer and smaller cracks.
- Do not apply Butisan S if heavy rain is forecast, wait until after the event.

### Weed control

Butisan S is taken up via cotyledons and roots and takes maximum effect before, or shortly after, weed emergence. Optimum results are obtained from applications made to fine, firm and moist seedbeds.

### Susceptibility of weeds to a single application of Butisan S.

Weed species	Butisan S	
	1.5 l/ha	
Weed species	Weed susceptibility rating	Maximum susceptible growth stage of weed
Bindweed, Black	S	-
Bent, Loose-silky	S	S to 1 true leaf
Black-grass	MS	MS to 2 true lvs
Chamomile, Corn	MS	MS to 3 true lvs
Chickweed, Common	S	S to 4 true lvs
Cleavers	MR	MR to 1 whorl
Common Amaranth	S	S to 2 true lvs

	<b>Butisan S</b>	
	<b>1.5 l/ha</b>	
<b>Weed species</b>	<b>Weed susceptibility rating</b>	<b>Maximum susceptible growth stage of weed</b>
Crane's-bill, Cut-leaved	MR	-
Deadnettle, Henbit	S	S to 1 true leaf
Dead-nettle, Red	S	S to 1 true leaf
Fat-hen (Autumn Germinating)	MS	-
Flixweed	S	-
Forget-me-not, Field	MS	-
Fumitory, Common	R	-
Knotgrass	R	-
Groundsel	S	-
Mayweed, Rayless	S	S to 3 true lvs
Mayweed, Scented	S	S to 5 true lvs
Mayweed, Scentless	S	S to 3 true lvs
Meadow-grass, Annual	S	S to 2 true lvs
Nightshade, Black	S	-
Pansy, Field	R	-
Parsley Piert	S	-
Penny-cress, Field	R	-
Poppy, Common	MS	-
Shepherd's-purse	S	-
Sowthistle, Field	MS	-
Speedwell, Common Field	S	S to 2 true lvs
Speedwell, Ivy-leaved	S	S to 1 true leaf
Speedwell, Procumbent	MS	MS to 2 true lvs
Speedwell, Wall	S	S to 1 true leaf

S = Susceptible  
 MR = Moderately Resistant  
 MS = Moderately Susceptible  
 R = Resistant  
 - = No information

## Resistance Management

**GROUP**

**15**

**HERBICIDE**

Strains of some annual grasses (e.g. black-grass, wild-oats, and Italian rye-grass) have developed resistance to herbicides, which may lead to poor control. A strategy for preventing and managing such resistance should be adopted. Guidelines have been produced by the Weed Resistance Action Group (WRAG) and copies are available from the AHDB, CPA, your distributor, crop adviser or product manufacturer.

Repeated use of herbicides with the same mode of action can increase the risk of strains of weeds developing resistance to these compounds, leading to poor control. In order to minimise the risk, a strategy for venting and managing such resistance should be adopted. Use products with different modes of action and from different chemical groups in sequence or tank-mix, in conjunction with effective cropping rotation and cultivation techniques. In all cases the recommended rate of use should be adhered to. Follow WRAG guidelines.

### **Key elements of the resistance management strategy for Butisan S:**

- Always follow WRAG guidelines for preventing and managing herbicide resistant weeds.
- Maximise the use of cultural control measures wherever possible (e.g. crop rotation, ploughing, stale seedbeds, delayed drilling, etc).
- Use tank mixes or sequences of effective herbicides with different modes of action within individual crops, or successive crops.
- For the control of herbicide resistant grass weeds, always use Butisan S in sequence with other effective graminicides with different modes of action.
- Monitor fields regularly and investigate the reasons for any poor control.

## Crop Specific Information

Butisan S can be used in all varieties of oilseed rape, Brussels sprouts, cabbages, cauliflowers, broccoli and calabrese. It may also be used in some ornamentals, hardy nursery stock and nursery fruit trees.

### **Oilseed rape**

#### **Time of Application**

Butisan S may be applied pre or post-emergence of the crop, depending on soil type, the seedbed conditions and weed spectrum, see Section Weed control. Use before 9 true leaf stage (GS19).

Approved herbicides may follow a pre or early post-emergence application of Butisan S, provided that the crop is undamaged and showing no adverse symptoms.

**Pre-emergence use:**

On medium and heavy soils where seedbeds are moist, firm and free from clods, Butisan S should be applied from drilling up until the crop seed chits. In warm soils, this may occur within 48 hours of drilling.

Do not apply to broadcast crops until the crop has attained the two fully expanded cotyledon growth stage.

**Early post-emergence use:**

Butisan S can be used on light, medium or heavy soils post-emergence, once the majority of the crop has reached the fully expanded cotyledon stage. See Section Weed control for weed susceptibility and note moisture requirement.

Post-emergence application of Butisan S is recommended if:

- seedbed conditions are not ideal for the pre-emergence use.
- the seed is not covered with 15 mm of soil (as with broadcast crops).
- Butisan S could not be applied before the seed crop chits.
- light soils, or all recommended soils which are stony, brashy or gravelly are to be treated, particularly if heavy rainfall has been forecast for the period following drilling.
- late drilled crops are to be treated.

**Rate of application**

Oilseed rape – apply at 1.5 litres Butisan S per hectare, pre or post-emergence of the crop.

See Section Weed control for weed susceptibility and note moisture requirement.

**Summary for oilseed rape**

	<b>Pre-emergence</b>	<b>Post-emergence</b>
Broadcast crops	Do not use	Use permitted
Crop growth stage	After drilling and prior to chitting of crops (Generally within 48 hours)	After cotyledons fully expanded (1st true leaf partly emerged)
Weed growth stage	Pre-emergence	See Section Weed Control
Soil type	Medium to heavy	Light to heavy
Seed bed	Fine, firm, moist. Not dry or cloddy.	Not critical provided reasonable
Drilling depth	15 mm	Not critical provided crop is well rooted and not stressed
Important notes	DO NOT USE on broadcast or late drilled crops, or stony soils	Adequate moisture is necessary for weed control

## Transplanted Brussels sprout, cabbage, cauliflower, broccoli and calabrese

### Time of Application

The latest time of application of Butisan S is 6 weeks before harvest in transplanted Brussels sprout, cabbage, cauliflower, broccoli and calabrese

When treating transplants, ensure that the roots are well covered with soil and that the plants are adequately hardened off and established prior to treatment. If necessary, use irrigation to help establish the plants and raise soil moisture before treatment with Butisan S. Avoid spraying transplants when very warm days and cool nights are expected.

**Modular or block raised transplants** can be particularly sensitive to herbicide damage because they are often both soft and immature. It is essential that the directions concerning transplants are followed in full and it is advisable to only treat a small area in the first instance.

### Rate of application

Apply at 1.5 litres per hectare Butisan S. See Section Weed control for weed susceptibility and note moisture requirement.

## Direct drilled Brussels sprout, cabbage, cauliflower, broccoli and calabrese

### Time of Application

Apply Butisan S after the crops have 3-4 true leaves but before weed emergence. Do not treat crops within 6 weeks of harvesting.

To prolong weed control in direct drilled Brussels sprout, cabbage, cauliflower, broccoli and calabrese one application of Butisan S can be made post-emergence of the crop following the use of an alternative pre-emergence treatment. See Section Weed control for weed susceptibility and note moisture requirement.

### Rate of application

Apply at 1.5 litres per hectare Butisan S. See Section Weed control for weed susceptibility and note moisture requirement.

## Ornamental trees, ornamental shrubs and nursery fruit trees.

DO NOT treat crops growing under glass or polythene, in containers or any plants suffering from adverse conditions, either environmental or from previous treatments. (See also Restrictions/Warnings).

DO NOT treat crops under hot, sunny conditions.

When Butisan S is used on nursery fruit trees, any fruit harvested within one year of application must be destroyed.

If Butisan S is applied onto a dry soil surface it will only be effective after rainfall has occurred. Light (10 mm at any one time) irrigation will help to ensure herbicidal activity.



## Time of Application

Apply as a surface spray to beds which are moist, firm and free from clods once existing weeds have been removed and before new weeds have emerged (see Section Weed control). New plantings can be treated after lining out or transplanting once the plants are established and sufficiently hardened off to withstand treatment. This may require irrigation before application which will also ensure adequate soil moisture.

When used in sequence with other herbicides, apply when the previous treatment begins to fail. This is indicated by the first signs of weed germination. This criterion can also be used to time subsequent applications following the use of Butisan S.

## Rate of application

Apply 1.5 litres per hectare Butisan S. See Section Weed control for weed susceptibility and note moisture requirement.

When using a knapsack sprayer for directed applications around the base of stems, mix as directed in Section Mixing and Application.

## Crop Tolerance in ornamental trees and shrubs

Species and cultivars in the following genera have been treated with a spray directed at the stem base without significant crop damage:

Trees					
Acer	Carpinus	Davidia	Malus	Populus	Salix
Aesculus	Castanea	Fagus	Nothofagus	Prunus	Sophora †
Ailanthus	Catalpa	Fraxinus †	Ostrya	Pseudotsuga	Sorbus
Alnus	Chamaecyparis	Gleditsia	Picea	Pyrus	Thuja
Amelanchia	Corylus ††	Juniperus	Pinus †	Quercus	Tilia
Betula	Crataegus	Larix	Platanus	Robinia†	

Shrubs					
Berberis	Euonymus	Ilex	Potentilla	Rubus	Symphoricarpus
Cotoneaster	Forsythia	Ligustrum	Rhamnus	Sambucus	Tamarix
Cornus	Hippophae	Mahonia	Ribes	Spirea	Viburnum †
Escallonia	Hypericum	Philadelphus	Rosa	Stephanandra	Weigela

Note: † These species may show transient leaf curl, leaf necrosis and mottling (needle shortening on *Pinus*) from overall sprays.

†† These species have been tested with a directed spray at the stem base only.

Some of the above may be treated with an overall spray. Not all species or cultivars have been tested and so only a small number of plants should be treated initially to gain experience with the treatment. Selectivity is greatest when applied under cool, overcast conditions. Applications should not be made to soft, vigorously growing foliage, particularly during or after a period of warm days and cold nights. Further information on species and cultivars suitable for treatment is available on request.

## Following Crops

### Following a normally harvested winter oilseed rape

Any crop can follow normally harvested winter oilseed rape treated with Butisan S and ploughing is not essential before sowing the following cereal crop

### In the event of crop failure

In the event of a crop failing in the autumn or winter, then several crops can be drilled after the use of Butisan S alone as follows:

#### Redrilling the same autumn

After ploughing to a depth of at least 150 mm: Winter barley or Winter wheat, excluding Durum wheat

#### Redrilling the following spring

In the event of a crop failing in the autumn or winter, then several crops can be drilled after the use of Butisan S alone as follows:

After ploughing, the following crops can be sown:

- Cereals (excluding Durum wheat)
- Field beans
- Peas
- Transplanted brassicae
- Direct drilled brassicae
- Potatoes
- Maize
- Linseed

### Following spring applications

Following spring applications to brassicae, crops particularly sensitive to Butisan S, e.g. carrots, parsnips and lettuce, should not be planted within 5 months of treatment. Plough to a depth of at least 150 mm before sowing or planting any succeeding crop.

Where crops follow use in ornamental trees, ornamental shrubs and nursery fruit trees, follow the instructions given above for Butisan S alone.

## Mixing and Application

### Mixing

Never prepare more spray solution than is required.

**SHAKE WELL BEFORE USE.**

Fill the spray tank three quarters full with water and start the agitation.

To ensure thorough mixing of the product, invert the container several times before opening.

Add the required quantity of Butisan S to the spray tank while re-circulating.

Fill the tank with the remaining required amount of water and continue agitation until spraying is completed.

On emptying the product container, rinse container thoroughly by using an integrated pressure rinsing device or manually rinsing three times.

Add washings to sprayer at time of filling and dispose of container safely.

When using a knapsack sprayer fill the sprayer with three quarters of the total water required.

Add the required quantity of Butisan S to the sprayer, ensuring adequate dispersal of the product, then fill the tank with the remaining water.

### Application

To ensure optimum spray coverage and minimize spray drift, adjust the spray boom to the appropriate height above the crop, according to guidance provided by the sprayer and/or nozzle manufacture.

### Guidance on water volumes

Crop	Recommended water volume	Situation & Comments
Winter oilseed rape	100 litres	Pre-emergence – not be used on poor seed beds or in tank mixture with other products at this water volume. When using this reduced water volume nozzles designed to produce a coarser spray may be used.
	190 litres	Pre-emergence in tank mixtures or Post-emergence
Spring oilseed rape Transplanted & direct drilled Brussels sprout, cabbage, cauliflower, broccoli and calabrese Ornamental trees Ornamental shrubs Nursery fruit trees	190 – 450 litres	Use the higher water volume where seedbeds are not ideal (e.g. slightly cloddy).

Apply as a **MEDIUM** spray, as defined by BCPC.

### Tank cleaning

Wash sprayer thoroughly immediately after use, using clean water and following the sprayer cleaning guidance provided by the equipment manufacturer.

### Compatibility

For details of compatibilities contact your distributor, local BASF representative or BASF Technical Services Hotline: 0044 845 602 2553 or visit our website at [www.agricentre.basf.co.uk](http://www.agricentre.basf.co.uk)

### COMPANY ADVISORY INFORMATION

This section is not part of the Product Label under Regulation (EC) No 1107/2009 and provides additional advice on product use.

#### Water Protection:

This product contains **metazachlor** and is therefore included in the “**OSR Herbicides? Think Water**” stewardship campaign. BASF have developed the **wHen2gO** smart tool for water stewardship. To download **wHen2gO** please see [www.agricentre.basf.co.uk](http://www.agricentre.basf.co.uk) Following the guidance of **wHen2gO** will help to reduce the risk to water. Alternatively, the following closed periods for application apply:

- Avoid use of **metazachlor** after 30th September and do not use after 15th October.
- In high risk areas (drained fields in Safeguard Zones) do not use **metazachlor** after 30th September.

For further information, see [www.agricentre.basf.co.uk](http://www.agricentre.basf.co.uk) and [www.osrherbicides.org.uk](http://www.osrherbicides.org.uk) or telephone BASF on 0845 602 2553



OSR Herbicides?  
**Think Water**



### The following does not form part of the authorised label text.

With many products there is a general risk of resistance developing to the active ingredients. For this reason a change in activity cannot be ruled out. It is generally impossible to predict with certainty how resistance may develop because there are so many crop and use connected ways of influencing this. We therefore have to exclude liability for damage or loss attributable to any such resistance that may develop. To help minimise any loss in activity the BASF recommended rate should in all events be adhered to.

Numerous, particularly regional or regionally attributable, factors can influence the activity of the product. Examples include weather and soil conditions, crop plant varieties, crop rotation, treatment times, application amounts, admixture with other

products, appearance of organisms resistant to active ingredients and spraying techniques. Under particular conditions a change in activity or damage to plants cannot be ruled out. The manufacturer or supplier is therefore unable to accept any liability in such circumstances. All goods supplied by us are of high grade and we believe them to be suitable, but as we cannot exercise control over their mixing or use or the weather conditions during and after application, which may affect the performance of the material, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded and no responsibility will be accepted by us for any damage or injury whatsoever arising from their storage, handling, application or use; but nothing should be deemed to exclude or restrict any liability upon us which cannot be excluded or restricted under the provisions of the Unfair Contract Terms Act 1977 or any similar applicable law.

## **Section 6 of the Health and Safety at Work Act**

### **Additional Product Safety Information**

The product label provides information on a specific pesticidal use of the product; do not use otherwise, unless you have assessed any potential hazard involved, the safety measures required and that the particular use has “off-label” approval or is otherwise permitted under the Plant Protection Products Regulations.

The information on this label is based on the best available information including data from test results.

### **Safety Data Sheet**

To access the Safety Data Sheet for this product scan the QR code or use the weblink below:



[agricentre.basf.co.uk/Butisan-S/MSDS](http://agricentre.basf.co.uk/Butisan-S/MSDS)

Alternatively, contact your supplier.

# Butisan® S



MAPP 16569

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A herbicide for use on oilseed rape, outdoor crops of direct drilled and transplanted cabbage, Brussels sprout, cauliflower, broccoli, calabrese, ornamental trees, ornamental shrubs and nursery fruit trees.

The (COSHH) Control of Substances Hazardous to Health 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 handling the concentrate.

WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when applying by hand held equipment.

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

WASH CONCENTRATE from skin or eyes immediately.

DO NOT BREATHE SPRAY.

WASH HANDS AND EXPOSED SKIN before meals and after work.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible).

### 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 farmyards and roads.

To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 metres of the top of the bank of a static or flowing water body, unless a Local Environment Risk Assessment for

Pesticides (LERAP) permits a narrower buffer zone, or within 1 metre from the top of a ditch which is dry at the time of application.

DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1 metre of the top of the bank of a static or flowing water body.

Aim spray away from water.

This product qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme.

Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with CRD's published guidance or the statutory buffer zone as appropriate to the crop must be maintained.

The results of the LERAP must be recorded and kept available for three years.

KEEP LIVESTOCK out of treated areas until poisonous weeds such as ragwort have died and become unpalatable.

### Storage and disposal

Keep dry and frostproof in a suitable pesticide store.

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.

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times.

Add washings to sprayer at time of filling and dispose of container safely.

DO NOT RE-USE CONTAINER for any other purpose.

This label is compliant with the CPA Voluntary Initiative Guidance



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