Butisan® S

MAPP 16569
A suspension concentrate containing 500 g/l (43.1% w/w) metazachlor.
A herbicide for use in winter and spring oilseed rape, brussels sprout,
ornamental trees and ornamental shrubs.
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:
Operators must wear SUITABLE PROTECTIVE GLOVES when
handling the concentrate or handling contaminated surfaces.
Operators must 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 (show the label if
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 Environmental 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 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.
On emptying the 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.
Do not re-use container for any other purpose.

This label is compliant with the CPA Voluntary Initiative Guidance

Supplied by: BASF plc, Agricultural Solutions
PO Box 4, Earl Road, Cheadle Hulme, CHEADLE,
Cheshire SK8 6QG, Tel: 0161 485 6222
Emergency Information: (24 hours freephone): 0049 180 2273112
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.
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.
Do not handle until all safety precautions have been read and understood.
Wash contaminated body parts with water and soap thoroughly after handling.
Wear protective gloves/clothing/eye protection.
IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.
Rinse mouth.
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.

<table>
<thead>
<tr>
<th>Crops</th>
<th>Maximum individual dose</th>
<th>Maximum total dose per crop</th>
<th>Latest time of application</th>
<th>Aquatic buffer zone distance (metres)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oilseed rape</td>
<td>1.5 litres Product/hectare</td>
<td>1.5 litres Product/hectare</td>
<td>Before 9 true leaf stage (GS19)</td>
<td>5</td>
</tr>
<tr>
<td>Brussels sprout</td>
<td>1.5 litres Product/hectare</td>
<td>1.5 litres Product/hectare</td>
<td>Before 9 true leaf stage (GS19)</td>
<td>5</td>
</tr>
<tr>
<td>Ornamental trees, ornamental shrubs</td>
<td>1.5 litres Product/hectare</td>
<td>1.5 litres Product/hectare</td>
<td>-</td>
<td>5</td>
</tr>
</tbody>
</table>

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.

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.
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. Particular care is needed when using in **Surface Water Drinking Water Safeguard Zones:**

- **Do not use** after 30 September on drained fields, including mole-drained.
- In other areas:
  - Avoid use after 15 October on drained fields, including mole-drained.
  - For further information, see and or telephone BASF on 0845 602 2553.

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 winter and spring sown oilseed rape and brussels sprouts. It may also be used in some ornamentals and hardy nursery stock.

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 and ornamental shrubs 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:-

a. On clay soils, create a fine, consolidated seedbed to slow the downward movement of water.

b. Do not apply Butisan S to dry soil. Moist soils have fewer and smaller cracks.

c. 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 affect 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.

<table>
<thead>
<tr>
<th>Weed species</th>
<th>Butisan S 1.5 l/ha</th>
<th>Weed susceptibility rating</th>
<th>Maximum susceptible growth stage of weed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bindweed, Black</td>
<td>S</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bent, Loose-silky</td>
<td>S</td>
<td></td>
<td>S to 1 true leaf</td>
</tr>
<tr>
<td>Black-grass</td>
<td>MS</td>
<td></td>
<td>MS to 2 true lvs</td>
</tr>
<tr>
<td>Chamomile, Corn</td>
<td>MS</td>
<td></td>
<td>MS to 3 true lvs</td>
</tr>
<tr>
<td>Chickweed, Common</td>
<td>S</td>
<td></td>
<td>S to 4 true lvs</td>
</tr>
<tr>
<td>Cleavers</td>
<td>MR</td>
<td></td>
<td>MR to 1 whorl</td>
</tr>
<tr>
<td>Common Amaranth</td>
<td>S</td>
<td></td>
<td>S to 2 true lvs</td>
</tr>
<tr>
<td>Crane’s-bill, Cut-leaved</td>
<td>MR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deadnettle, Henbit</td>
<td>S</td>
<td></td>
<td>S to 1 true leaf</td>
</tr>
<tr>
<td>Dead-nettle, Red</td>
<td>S</td>
<td></td>
<td>S to 1 true leaf</td>
</tr>
<tr>
<td>Fat-hen (Autumn Germinating)</td>
<td>MS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flixweed</td>
<td>S</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Forget-me-not, Field</td>
<td>MS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fumitory, Common</td>
<td>R</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Knotgrass</td>
<td>R</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Groundsel</td>
<td>S</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mayweed, Rayless</td>
<td>S</td>
<td></td>
<td>S to 3 true lvs</td>
</tr>
<tr>
<td>Mayweed, Scented</td>
<td>S</td>
<td></td>
<td>S to 5 true lvs</td>
</tr>
<tr>
<td>Mayweed, Scentless</td>
<td>S</td>
<td></td>
<td>S to 3 true lvs</td>
</tr>
<tr>
<td>Meadow-grass, Annual</td>
<td>S</td>
<td></td>
<td>S to 2 true lvs</td>
</tr>
<tr>
<td>Nightshade, Black</td>
<td>S</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pansy, Field</td>
<td>R</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Parsley Piert</td>
<td>S</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Penny-cress, Field</td>
<td>R</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Butisan S

1.5 l/ha

<table>
<thead>
<tr>
<th>Weed species</th>
<th>Weed susceptibility rating</th>
<th>Maximum susceptible growth stage of weed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poppy, Common</td>
<td>MS</td>
<td>-</td>
</tr>
<tr>
<td>Shepherd's-purse</td>
<td>S</td>
<td>-</td>
</tr>
<tr>
<td>Sowthistle, Field</td>
<td>MS</td>
<td>-</td>
</tr>
<tr>
<td>Speedwell, Common Field</td>
<td>S</td>
<td>S to 2 true lvs</td>
</tr>
<tr>
<td>Speedwell, Ivy-leaved</td>
<td>S</td>
<td>S to 1 true leaf</td>
</tr>
<tr>
<td>Speedwell, Procumbent</td>
<td>MS</td>
<td>MS to 2 true lvs</td>
</tr>
<tr>
<td>Speedwell, Wall</td>
<td>S</td>
<td>S to 1 true leaf</td>
</tr>
</tbody>
</table>

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

Resistance Management

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 HGCA, 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 preventing 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 winter and spring sown oilseed rape and brussels sprouts. It may also be used in some ornamentals and hardy nursery stock.

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

<table>
<thead>
<tr>
<th></th>
<th>Pre emergence</th>
<th>Post emergence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Broadcast crops</td>
<td>Do not use</td>
<td>Use permitted</td>
</tr>
<tr>
<td>Crop growth stage</td>
<td>After drilling and prior to chitting of crops (Generally within 48 hours)</td>
<td>After cotyledons fully expanded (1st true leaf partly emerged)</td>
</tr>
<tr>
<td>Weed growth stage</td>
<td>Pre emergence</td>
<td>See Section 3</td>
</tr>
<tr>
<td>Soil type</td>
<td>Medium to heavy</td>
<td>Light to heavy</td>
</tr>
<tr>
<td>Seed bed</td>
<td>Fine, firm, moist. Not dry or cloddy.</td>
<td>Not critical provided reasonable</td>
</tr>
<tr>
<td>Drilling depth</td>
<td>15 mm</td>
<td>Not critical provided crop is well rooted and not stressed</td>
</tr>
<tr>
<td>Important notes</td>
<td>DO NOT USE on broadcast or late drilled crops, or stony soils</td>
<td>Adequate moisture is necessary for weed control</td>
</tr>
</tbody>
</table>

Transplanted brussel sprout

Time of Application
The latest time of application of Butisan S is 6 weeks before harvest in transplanted brussel sprout.

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 brussel sprout**

**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 brussel sprout 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 and ornamental shrubs.**

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.

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:
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**

For all situations following or rotational crops must not be planted until six months after application of ‘Butisan S’.

**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.

**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 or rotational crops must not be planted until six months after application of ‘Butisan S’. Plough to a depth of at least 150 mm before sowing or planting any succeeding crop.

Where crops follow use in ornamental trees and ornamental shrubs, 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

<table>
<thead>
<tr>
<th>Crop</th>
<th>Recommended water volume</th>
<th>Situation &amp; Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Winter oilseed rape</td>
<td>100 litres</td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>190 litres</td>
<td>Pre emergence in tank mixtures or Post emergence</td>
</tr>
<tr>
<td>Spring oilseed rape</td>
<td>190 – 450 litres</td>
<td>Use the higher water volume where seedbeds are not ideal (e.g. slightly cloddy).</td>
</tr>
<tr>
<td>Transplanted &amp; direct brussel sprout</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ornamental trees</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ornamental shrubs</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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:

bit.ly/Butisan_S_UK_sds
Alternatively, contact your supplier.
Butisan® S

MAPP 16569
A suspension concentrate containing 500 g/l (43.1% w/w) metazachlor. A herbicide for use in winter and spring oilseed rape, brussels sprout, ornamental trees and ornamental shrubs.

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:
Operators must wear SUITABLE PROTECTIVE GLOVES when handling the concentrate or handling contaminated surfaces.
Operators must 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 (show the label if 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 Environmental 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 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.
On emptying the 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.
Do not re-use container for any other purpose.

This label is compliant with the CPA Voluntary Initiative Guidance

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