IMPORTANT INFORMATION
FOR USE ONLY AS A PROFESSIONAL HERBICIDE
Crops: Winter and spring wheat, winter and spring barley, triticale and winter rye
Maximum individual dose: 100 g product per hectare
Maximum number of treatments: One per crop
Latest time of application: Before flag leaf sheath extending stage (BBCH 39)

OTHER SPECIFIC RESTRICTIONS:
This product must only be applied from 1st February in the year of harvest until the specified latest time of application. Application has to be performed in post-emergence of weeds, from 3 leaf stage of the crop (BBCH 13).
READ ALL OTHER SAFETY PRECAUTIONS AND DIRECTIONS FOR USE BEFORE USE

SAFETY PRECAUTIONS

Operator Protection:
WASH CONCENTRATE from skin or eyes immediately DO NOT BREATHE SPRAY. WASH HANDS AND EXPOSED SKIN before eating and drinking and after work.

Environmental Protection:
SP1: 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 as specified for the crop. HORIZONTAL BOM SPRAYERS MUST BE FITTED WITH THREE STAR DRIFT REDUCTION TECHNOLOGY. Low drift spraying equipment must be operated according to the specific conditions stated in the official three star rating for that equipment as published on HSE Chemicals Regulation Directorate’s website. Maintain three star operating conditions until 30 m from the top of the bank of any surface water bodies.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within the distance specified for the crop to the top of the bank of a static or flowing water body, or within 1 m of the top of a ditch which is dry at the time of application. Aim spray away from water. NOTE: BUFFER ZONES OF MORE THAN 5 M CANNOT BE REDUCED UNDER THE LOCAL ENVIRONMENT RISK ASSESSMENT FOR PESTICIDES (LERRA) SCHEME.

The statutory buffer zone must be maintained and the distance recorded in Section A of the LERRA record form. The LERRA record form must be kept available for three years.

Other specific restrictions:
This product must not be applied via hand-held equipment.

Storage and Disposal:
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.
EMPTY CONTAINER COMPLETELY and dispose of safely.

Marketing Company:
Rotam Europe Limited
Hamiton House, Mabledon Place, London WC1H 9BB - UK
For technical/commercial enquires: 0207 953 5447 (office hours)
In case of emergency, NCEC: 01855 407533 (24/7)

Approval Holder:
Rotam Agrochemical Europe Ltd.
Hamiton House, Mabledon Place, London WC1H 9BB - UK

Net Contents: 500g

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GB-HIATUS-500g-LEAFLET-20201029
size:253(w)x128(h)mm
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
HIATUS must not be applied to any crop suffering from stress as a result of drought, waterlogging, low temperatures, pest or disease attack, nutrient or time deficiency or other factors reducing crop growth.
Do not use HIATUS on cereal crops undersown with grasses, clover or other legumes or any other broad-leaved crop.
Due to the high level of activity of the herbicide, special care must be taken to avoid damage by drift onto broad-leaved plants outside the target area, or onto ponds, waterways or ditches. Thorough cleansing of equipment is also very important - see below.
Contract agents should be consulted before using on crops grown for seed.
Effectiveness using three star drift reduction technology may be reduced.

Extreme care must be taken to avoid spray drift onto non-crop plants outside of the target area.

Weed control
HIATUS contains thifensulfuron-methyl and tribenuron-methyl, sulfonylurea (ALS inhibitors) herbicides, which have both foliar and root activity against a wide range of broad-leaved weeds.
HIATUS is readily translocated within the weed plant, inhibiting growth within hours of treatment, thus preventing competition with the crop. Many weeds show marked colour changes as they die back after treatment, but the time taken for these symptoms to appear and death to occur may vary according to weed species and weather conditions. The full effect of the treatment may not be apparent for up to four weeks. Plants not completely killed are often severely stunted and much less competitive with the crop.
HIATUS is most effective when applied to small, actively growing weeds. As larger weeds may become less susceptible, it is important to note the size of each weed species so that application is made at the optimum time. Good spray cover of the weeds must be obtained. Weed control may be reduced when soil conditions are very dry. Residual effects may be reduced by heavy rain. The susceptibility rating of weeds in the following table refer to good spray cover and good growing conditions.

Weed Resistance
This product contains thifensulfuron-methyl and tribenuron-methyl which are ALS inhibitors, also classified by the Herbicide Resistance Action Committee as Group B/Group 2.
To reduce the risk of developing resistance, applications should be made to young, actively growing weeds.
The use of cultural methods of control and herbicides with non-ALS modes of action within the cropping season and/or throughout the cropping rotation will help reduce the risk of developing resistance. When herbicides with the same mode of action are used repeatedly over several years in the same field, selection of resistant biotypes can take place. These can propagate and may become dominating. A weed species is considered resistant to a herbicide if it survives a correctly applied treatment at the recommended dose. Development of resistance with a weed species can be avoided or delayed by alternating (or tank mixing) with suitable products having a different mode of action. A strategy for preventing and managing resistance should be adopted. The Weed Resistance Action Group has produced guidelines and copies are available from the HGCA, CPA, your distributor, crop advisor or product manufacturer.

Susceptible Weeds
The susceptibility rating of weeds in the following table refer to good spray cover and good growing conditions with application made when the weeds are at up to six true leaf stage. Weeds germinating after treatment will not be adequately controlled.

<table>
<thead>
<tr>
<th>Weed species</th>
<th>Scientific name</th>
<th>Level of susceptibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black bindweed</td>
<td>Fallopia convolvulus</td>
<td>S</td>
</tr>
<tr>
<td>Cleavers</td>
<td>Gallium aparine</td>
<td>MS</td>
</tr>
<tr>
<td>Scentless Mayweed</td>
<td>Matricaria inodora</td>
<td>S</td>
</tr>
<tr>
<td>Common chickweed</td>
<td>Stellaria media</td>
<td>S</td>
</tr>
<tr>
<td>Common field speedwell</td>
<td>Veronica persica</td>
<td>MS</td>
</tr>
<tr>
<td>Fat-hen</td>
<td>Chenopodium album</td>
<td>S</td>
</tr>
<tr>
<td>Common poppy</td>
<td>Papaver rhoeas</td>
<td>S</td>
</tr>
<tr>
<td>Field forget-me-not</td>
<td>Myosotis arvensis</td>
<td>S</td>
</tr>
<tr>
<td>Field pansy</td>
<td>Viola arvensis</td>
<td>MS</td>
</tr>
<tr>
<td>Henbit deadnettle</td>
<td>Lamium amplexicaule</td>
<td>S</td>
</tr>
<tr>
<td>Red dead nettle</td>
<td>Lamium purpureum</td>
<td>MS</td>
</tr>
<tr>
<td>Shepherd's purse</td>
<td>Capsella bursa-pastoris</td>
<td>S</td>
</tr>
<tr>
<td>Speedwell, ivy-leaved</td>
<td>Veronica hederifolia</td>
<td>MS</td>
</tr>
</tbody>
</table>

S = Susceptible (>85% control); MS = Moderately susceptible (75-85% control)

In many situations a dose of 80 g/ha will be sufficient, but if cleavers, speedwells, common poppy or black bindweed are a particular concern, a dose of 100 g/ha should be used.

Soil and Weather
HIATUS can be used on all soil types. Weed control may be reduced when conditions are very dry.

Volume and application
BEFORE USING HIATUS, SPRAYING EQUIPMENT MUST BE CLEAN AND FREE FROM CONTAMINATION WITH OTHER PESTICIDES.
Application should be made in 20 litres of water per hectare using suitable ground equipment to give good spray cover of the weeds.
In thick crops or dense weeds use higher volumes of water (up to 400 litres of water/ha) to ensure good spray cover of the weeds.
Use a conventional field crop sprayer at a pressure of 2 - 3 bars and apply as a MEDIUM spray (as defined by BCPC). Care should be taken not to overlap spray swathes.

Mixing
Quarter fill the spray tank with clean water, start the agitation and add the required quantity of HIATUS directly to the tank without prior creaming. Continue agitation while topping up the tank and while spraying.

Compatibility
In any tank-mix add HIATUS to the tank first and ensure it is fully dispersed before adding the partner product. Do not allow HIATUS to come into contact with undiluted pesticide concentrate. Products should only be tank-mixed if each product can be applied within the label recommendations for its use. For further information contact your Rotam distributor or view rotam.co.uk.

‘Joint application’ with any one of the following other sulfonylureas and ‘ALS inhibiting’ herbicides may be applied to a crop treated with HIATUS. ‘Joint application’ is the use of HIATUS in tank mixture or sequence with one of the products listed in the table below. Note the specifications for following crops:
<table>
<thead>
<tr>
<th>CROPS</th>
<th>Cereals</th>
<th>Oilseed Rape</th>
<th>Field Bean</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atlantis WG</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Hatra</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Horus</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Othello</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Pacifica</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Broadway Star</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Dakota</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Galaxy</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>GF-184</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Hiker</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Hunter</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Slalom</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Spitfire</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Starane Gold</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Starane Vantage</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Starane XL</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

1 Use in sequence only

Do not apply HIATUS to any cereal crop in sequence or tank-mixture with any product containing any other sulfonylurea herbicide product. Requirements and restrictions on the compatible product labels must be observed when using in sequence or tank mixture. When using tank-mixtures take care not to overlap spray swathes.

Do not tank-mix HIATUS with chlorpyrifos. Allow a minimum of 14 days between application of HIATUS and any chlorpyrifos treatment.

Cultivation (following crop):
No special requirements for cultivation are needed where cereals are to be sown as the following crop. Before sowing either oilseed rape or field beans, soil should be cultivated to a depth of 20 cm. Vigor reductions may be seen in following crops of oilseed rape and field beans under certain circumstances e.g. dry summer. Any effects should be outgrown and should not result in any yield loss.

Sugar beet may be grown in the spring, following harvest of a preceding cereal crop which has received one of the above sequences.

Dose
Apply HIATUS at 80-100 g of formulated product per hectare.

Following crops
Only cereals, oilseed rape and field bean may be sown in the same calendar year as harvest of a cereal crop treated with HIATUS. In spring, following cereal harvest, cereals, oilseed rape or sugar beet may be sown. Where joint application with other sulfonyl urea and ‘ALS-inhibiting’ herbicides is required, restrictions in the compatibility section must be followed.

Replacement crops
In case of crop failure for any reason, sow only spring cereals. Before sowing, soil should be ploughed and cultivated to a depth of at least 15 cm.

WARNINGS
EXTREME CARE SHOULD BE TAKEN TO AVOID DAMAGE BY DRIFT ONTO BROAD-LEAVED PLANTS OUTSIDE THE TARGET AREA OR ONTO SURFACE WATERS OR DITCHES.

SPRAYING EQUIPMENT SHOULD NOT BE DRAINED OR FLUSHED ONTO LAND PLANTED WITH OR INTENDED FOR PLANTING WITH TREES OR CROPS OTHER THAN CEREALS.

SPRAY TANK CLEAN-OUT
TO AVOID SUBSEQUENT DAMAGE TO CROPS OTHER THAN CEREALS, IMMEDIATELY AFTER SPRAYING ERGON THOROUGHLY CLEAN ALL SPRAY EQUIPMENT, INCLUDING INSIDE AND OUTSIDE OF LID, USING A PROPRIETARY SPRAYER CLEANER FOR USE WITH SULFONYLUREAS ACCORDING TO THE FOLLOWING PROCEDURE:

1. Immediately after spraying, drain tank completely. Wash any contamination off the outside of the sprayer with clean water.
2. Rinse the inside of the tank with clean water and flush at least one tenth of the spray tank volume through the boom and hoses. Drain tank completely.
3. Half-fill the tank with clean water and add the correct quantity of a proprietary sprayer cleaner for use with sulfonyl ureas. Agitate and then flush the boom and hoses with the solution. Top up completely with water and allow to stand for 15 minutes with agitation. Again flush the booms and hoses and drain tank completely (if it is not possible to drain the tank completely, repeat step 3 before going on).
4. Remove nozzles and filters and soak in a bucket containing a proprietary sprayer cleaner for use with sulfonyl ureas at the same concentration as that used for the sprayer.
5. Rinse tank again with clean water and flush at least one tenth of the tank volume through the booms and hoses. Drain tank completely.

GENERAL NOTES:
Consult label tank cleanup procedures for all tank mix partners and be sure to use the most rigorous procedure recommended.

NOTICE TO BUYER
All goods supplied by us are of a high grade and we believe them to be suitable for any purpose for which we expressly supply them, but as we cannot exercise control over their mixing or use, 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.
IMPORTANT INFORMATION
FOR USE ONLY AS A PROFESSIONAL HERBICIDE

Crops: Winter and spring wheat, winter and spring barley, triticale and winter rye

Maximum individual dose: 100 g product per hectare

Maximum number of treatments: One per crop

Latest time of application: Before flag leaf sheath extending stage (BBCH 36)

OTHER SPECIFIC RESTRICTIONS:
This product must only be applied from 1st February in the year of harvest until the specified latest time of application. Application has to be performed in post-emergence of weeds, from 3 leaf stage of the crop (BBCH 13).

READ ALL OTHER SAFETY PRECAUTIONS AND DIRECTIONS FOR USE BEFORE USE

SAFETY PRECAUTIONS

Operator Protection:
WASH CONCENTRATE from skin or eyes immediately DO NOT BREATHE SPRAY WASH HANDS AND EXPOSED SKIN before eating and drinking and after work.

Environmental Protection:
SP1: 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 as specified for the crop, HORIZONTAL BOOM SPRAYER MUST BE FITTED WITH THREE STAR DRIFT REDUCTION TECHNOLOGY. Low drift spraying equipment must be operated according to the specific conditions stated in the official three star rating for that equipment as published on HSE Chemicals Regulation Directorate’s website. Maintain three star operating conditions until 30 m from the top of the bank of any surface water bodies.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within the distance specified for the crop to the top of the bank of a static or flowing water body, or within 1 m of the top of a ditch which is dry at the time of application. Aim spray away from water. NOTE: BUFFER ZONES OF MORE THAN 5 M CANNOT BE REDUCED UNDER THE LOCAL ENVIRONMENT RISK ASSESSMENT FOR PESTICIDES (LERAP) SCHEME.

The statutory buffer zone must be maintained and the distance recorded in Section A of the LERAP record form. The LERAP record form must be kept available for three years

Crop	Maximum individual dose (g product/ha) Maximum number of treatments Latest time of application Aquatic buffer zone distance (metres)
Winter
and
spring
cereals	100	1	BBCH 36 (with 3° DRT)