

BOUDHA®

Herbicide - MAPP N°15158

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A water dispersible granule formulation containing 250 g/kg metsulfuron-methyl and 250 g/kg tribenuron-methyl for spring control of broad-leaved weeds in winter wheat, spring wheat, winter barley, spring barley, triticale, oat and winter rye.

IMPORTANT INFORMATION

Field of Use: FOR USE ONLY AS A PROFESSIONAL AGRICULTURAL HERBICIDE.

Crops:	Winter and spring wheat, Winter and spring barley, triticale, oat and winter rye
Maximum individual dose:	20 g product per hectare
Maximum number of treatments:	One per crop
Latest time of application:	Before flag leaf sheath extending stage

OTHER SPECIFIC RESTRICTIONS:

This product must only be applied from 1 February in the year of harvest until the specified latest time of application.

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.

See attached leaflet for Directions for Use and Safety precautions

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Marketing company :
Rotam Europe Limited
Hamilton House
Mabledon Place
London WC1H 9BB - UK

Net Contents : 200g

*Batch n° and
production date: see the bottle*



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Open here

This leaflet/booklet is part of the approved label.

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:

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

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

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 m 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 m of the top of a ditch which is dry at the time of application. 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.

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.

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

BOUDHA must not be applied to any crop suffering from stress as a result of drought, waterlogging, low temperatures, pest or disease attack, nutrient or lime deficiency or other factors reducing crop growth.

Do not use BOUDHA 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.

Weed control

BOUDHA contains metsulfuron-methyl and tribenuron-methyl, sulfonylurea (ALS inhibitors) herbicides, which have both foliar and root activity against a wide range of broad-leaved weeds.

BOUDHA 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.

BOUDHA 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 tribenuron-methyl and metsulfuron-methyl, which are ALS inhibitors, also classified by the Herbicide Resistance Action Committee as 'Group B'. 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. The weed control claims relate to control at 'six true leaf stage' of the weeds. Weeds germinating after treatment may not be adequately controlled.

Weed species		Level of susceptibility at 6TL
Common name	Scientific name	
Black bindweed	<i>Polygonum convolvulus</i>	MS
Cleavers	<i>Galium aparine</i>	R
Mayweeds	<i>Matricaria sp.</i>	S
Common chickweed	<i>Stellaria media</i>	S
Common field speedwell	<i>Veronica persica</i>	MS
Fat-hen	<i>Chenopodium album</i>	R
Corn poppy	<i>Papaver rhoeas</i>	S
Field penny-cress	<i>Thlaspi arvense</i>	-
Field forget-me-not	<i>Myosotis arvensis</i>	MS
Field pansy	<i>Viola arvensis</i>	MS
Flixweed	<i>Descurainia sophia</i>	-
Henbit deadnettle	<i>Lamium amplexicaule</i>	MS
Knotgrass	<i>Polygonum aviculare</i>	MS
Red deadnettle	<i>Lamium purpureum</i>	S
Volunteer OSR	<i>Brassica napus</i>	S
Shepherd's purse	<i>Capsella bursa-pastoris</i>	S
Speedwell, ivy-leaved	<i>Veronica hederifolia</i>	R
S = Susceptible; MS = Moderately susceptible, R = Resistant		

Soil and Weather

BOUDHA can be used on all soil types. Weed control may be reduced when conditions are very dry.

Volume and application

BEFORE USING BOUDHA, SPRAYING EQUIPMENT MUST BE CLEAN AND FREE FROM CONTAMINATION WITH OTHER PESTICIDES.

Apply in 100-400 litres water per hectare. For application in 100 litres of water per hectare use suitable ground equipment to give 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). When crops are thick or weed growth dense, use up to 400 litres of water per hectare. When applying BOUDHA, care should be taken not to overlap spray swaths.

Mixing

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

Compatibility

In any tank-mix add BOUDHA to the tank first and ensure it is fully dispersed before adding the partner product. Do not allow BOUDHA 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 www.rotam.co.uk.

'Joint application' with any one of the following other sulfonylurea and 'ALS inhibiting' herbicides may be applied to a crop treated with BOUDHA. 'Joint application' is the use of BOUDHA in tank mixture or sequence with one of the products listed in the table below. Note the specifications for following crops:

	FOLLOWING CROP		
	Cereals	Oilseed rape	Field bean
Atlantis WG	Yes	Yes	Yes
Hatra	Yes	Yes	Yes
Horus	Yes	Yes	Yes
Othello	Yes	Yes	Yes
Pacifica	Yes	Yes	Yes
Broadway Star ¹	Yes	Yes	Yes
Dakota	Yes	Yes	Yes
Galaxy	Yes	Yes	Yes
GF-184	Yes	Yes	Yes
Hiker	Yes	Yes	Yes
Hunter	Yes	Yes	Yes
Slalom	Yes	Yes	Yes
Spitfire	Yes	Yes	Yes
Starane Gold	Yes	Yes	Yes
Starane Vantage	Yes	Yes	Yes
Starane XL	Yes	Yes	Yes
Absolute	Yes	Yes	Yes
Lexus Class	Yes	Yes	Yes
Lexus SX*	Yes	Yes	Yes
Lexus Millenium	Yes	Yes	Yes
GF-2070 ¹	Yes	Yes	Yes
Unite ¹	Yes	Yes	Yes

* includes Bullion, Ductis SX, Exceed SX, Oklar SX, Oriol 50SX, Spelio SX and Staka SX

¹Use in sequence only

Requirements and restrictions on the above mentioned product labels must be observed when using in tank-mixture or sequence.

Only cereals, oilseed rape or field beans may be sown in the same calendar year to succeed a cereal crop treated with BOUDHA following the above joint applications. Before sowing either oilseed rape or field beans, soil should be cultivated to a depth of 20 cm. No special requirements for cultivation are needed where cereals are to be sown as the following crop.

Vigour 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.

When using tank-mixtures take care not to overlap spray swaths.

Do not apply BOUDHA to any cereal crop in sequence or tank-mixture with any product containing any other sulfonylurea herbicide product.

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

CROPS

CEREALS

Crop Safety

BOUDHA can be used on all varieties of winter and spring wheat, winter and spring barley, triticale, oat and winter rye between the growth stages given below.

Timing

BOUDHA must only be applied in the spring after 1st of February from the three-leaf stage up to the flag leaf sheath extension stage of crop growth (Gs39). BOUDHA should not be applied within 7 days of rolling the crop. Do not apply BOUDHA more than once to any cereal crop.

Dose

Apply BOUDHA at 20 g of formulated product per hectare.

Following crops

Only cereals, oilseed rape, field beans or grass may be sown in the same calendar year as harvest of a cereal crop treated with BOUDHA. Where joint application with other sulfonyl urea and 'ALS-inhibiting' herbicides is required, recommendations in the compatibility section must be followed. In the spring, following cereal harvest, there is no restriction on crop establishment.

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

Replacement crops

In case of crop failure for any reason, sow only winter wheat within three months of application of BOUDHA. Before sowing, soil should be ploughed and cultivated to a depth of at least 15 cm.

WARNINGS

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

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

POOR CLEANOUT PRACTICES AND INSUFFICIENT WATER VOLUMES USED FOR THE RINSE PROCEDURE MAY RESULT IN INADEQUATE REMOVAL OF PRODUCT DEPOSITS. SUBSEQUENT USE OF APPLICATION EQUIPMENT IN THESE CIRCUMSTANCES MAY RESULT IN DAMAGE TO NON-CEREAL CROPS.

TO AVOID SUBSEQUENT DAMAGE TO CROPS OTHER THAN CEREALS, IMMEDIATELY AFTER SPRAYING BOUDHA THOROUGHLY CLEAN ALL SPRAY -

EQUIPMENT, INCLUDING INSIDE AND OUTSIDE OF LID, USING A PROPRIETARY SPRAYER CLEANER FOR USE WITH SULFONYL UREAS ACCORDING TO THE FOLLOWING PROCEDURE:

1. Immediately after spraying, drain tank completely. Wash any contamination from 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 sprayer 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 continuing).
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.
6. For disposal of washings, follow the Green Code: 'Code of Practice for the Safe Use of Pesticides on Farms and Holdings' (MAFF Publications 1998). Do not spray onto sensitive crop or land intended for cropping with sensitive crop.

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.

BOUDHA[®] - MAPP N° 15158

Contains 250 g/kg metsulfuron-methyl and 250 g/kg tribenuron-methyl
Formulation : water dispersible granule (WG)



WARNING

H410: VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

P273: Avoid release to the environment.

P391: Collect spillage.

P501: 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.

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.

SPe3: To protect aquatic organisms respect an unsprayed buffer zone distance to surface water bodies in line with LERAP requirements.

Contains tribenuron-methyl. May produce an allergic reaction.

EUH 401: To avoid risks to human health and the environment, comply with the instructions for use.

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

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