

SAFETY PRECAUTIONS

Operator protection

Engineering controls of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE GLOVES when handling the concentrate.

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

DO NOT breathe spray.

WHEN USING DO NOT EAT, DRINK OR SMOKE

WEAR SUITABLE PROTECTIVE CLOTHING & GLOVES

Wash hands and exposed skin before eating, drinking or smoking and after work

Wash all protective clothing after use.

Environmental protection

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 5m 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 1m of the top of a ditch which is dry at time of application. Aim spray away from water: UK only.

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: UK only.

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.

Storage and disposal

KEEP OUT OF REACH OF CHILDREN
KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS

DO NOT RE-USE CONTAINER FOR ANY PURPOSE
KEEP ONLY IN ORIGINAL CONTAINER, tightly closed, in a safe place.



SUMIMAX

A suspension concentrate formulation containing 300 g/l flumioxazine
For the control of annual grass weeds and broadleaved weeds in winter wheat

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Important information

FOR USE ONLY AS A PROFESSIONAL HERBICIDE

Crop: Winter Wheat
Maximum individual dose: 100ml per hectare
Maximum number of treatments: 1 per crop
Latest time of application: Before the true leaf stage (before GS 15)

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.

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

Pack size: 500ml e

Batch Number: See container



SUMITOMO CHEMICAL (U.K.) PLC

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SUMIMAX® is a registered trademark of Sumitomo Chemical Co. Ltd.

Safety Information



Danger

May damage the unborn child.

Very toxic to aquatic life with long lasting effects.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/protective clothing/eye protection/face protection.

If exposed or concerned: Get medical advice/attention.

Collect spillage.

Store locked up.

Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste.



Contains 1,2-Benzisothiazolin-3-one. May produce an allergic reaction.

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

MAPP 18884 PCS No. 02764

**For 24 hour emergency information
ONLY: call +44 (0)1235 239 670**



USE DIRECTIONS FOR USE

This information is approved as part of the product label.

Read all instructions carefully in order to obtain safe and effective use of this product.

SUMIMAX is a protoporphyrin oxidase (PPO) inhibitor herbicide with contact activity. This contact activity is long lasting during the autumn period in moist soil, giving persistent control of a range of annual grasses and broad leaved weeds in winter wheat. SUMIMAX is active on germinating seedlings, inhibiting chlorophyll synthesis, leading to weed death and reducing crop competition.

SUMIMAX remains in the surface layer of the soil and does not migrate to lower layers. Activity is reliant on weeds germinating in moist soil and coming into sufficient contact with the herbicide.

Restrictions and Warnings

DO NOT mix any adjuvants with SUMIMAX.

Do not apply SUMIMAX to crops with lush or soft growth.

Only apply SUMIMAX to crops which have been sufficiently hardened by cool weather. Application to crops with soft growth will result in transient bleaching of leaves.

Do not apply SUMIMAX to waterlogged soils.

Do not apply SUMIMAX to soils of more than 10% organic matter as weed control may be reduced.

Crops should be drilled to 25mm and well covered by soil.

Do not treat broadcast crops until they are past the 3 leaf stage.

Do not spray crops which are under stress of any kind, such as a nutritional deficiency, pest or disease attack, or waterlogging.

Seedbeds should be moist, firm, fine and free of clods.

Do not roll or harrow crops 2 weeks before treatment, or at any time after treatment.

Do not disturb the soil after application.

Only apply any tank mixes with SUMIMAX in strict accordance with the restrictions on this label, as well as any restrictions which might apply on the label of the tank mix partner.

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

Do not apply SUMIMAX to undersown crops.

Do not apply SUMIMAX during periods of prolonged frosty weather

Light discolouration of leaf margins can occur after treatment, but there is no influence on crop yield.

Recommended crops: SUMIMAX can be used on all varieties of winter wheat

Soil types: SUMIMAX can be used on all mineral soils up to 10% organic matter.

Timing: SUMIMAX can be applied from crop pre-emergence to before GS 15, providing crops are sufficiently hardened.

Best results will be obtained from using SUMIMAX post-emergence of the crop, applied to moist soil when weeds are germinating up to the 1st true leaf stage of the weed.

Rate of use: Apply SUMIMAX at 100ml per hectare in 200 litres water per hectare as a fine or medium quality spray.

Maximum number of applications per crop: One per crop in any one growing season

Weed spectrum

Key to Susceptibility ratings:

S Susceptible

MS Moderately susceptible

MR Moderately resistant

¹ UK Only

Note that weed susceptibility is up to 1st true leaf stage unless otherwise stated.

Weed	Susceptibility	Weed	Susceptibility
Black grass ¹	MR	Chickweed	S
Annual meadow grass	MS	Cleavers	MS
Loose Silky Bent	MS pre-em, S up to 1 st true leaf	Common field Speedwell	S
		Doves-foot Cranesbill	S (MS pre-em)
		Ivy leaved speedwell	S (MS pre-em)
		Red deadnettle	S (MS pre-em)
		Mayweed	S
		Shepherds Purse	S
		Field pansy	S
		Volunteer oilseed rape	S

Resistance

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 and copies are available from the HGCA, CPA, your distributor, crop adviser or product manufacturer. Key aspects of the SUMIMAX resistance management strategy are:

- Always follow WRAG guidelines for preventing and managing herbicide resistant grass-weeds.
- Do not use SUMIMAX or any other protoporphyrinogen PPO inhibitor as the sole means of grass weed control in successive crops.
- Use grass-weed herbicides with different modes of action throughout the cropping rotation.
- To reduce the risk of developing resistance, applications are made to young, actively growing weeds.
- Use tank/product mixes or sequences of herbicides with different modes of action that are active against blackgrass, within individual crops or successive crops and as part of an integrated weed control programme.
- Monitor weed control effectiveness and investigate any odd patches of poor grass weed control. If unexplained, contact your agronomist who may consider a resistance test appropriate.
- Use crop rotation and other cultural control measures to prevent and manage herbicide resistant grass weeds.
- Only apply SUMIMAX once per crop.

Tank mixes: Only use tank mixes if the crop is sufficiently hardened by cool weather.

For further information on tank mixes, contact your distributor or Sumitomo Chemical (UK) plc.

Any crop can be sown following a normal harvest after use of SUMIMAX.

Following crops: In the event of a crop failure, soil treated with SUMIMAX can be redrilled with spring cereals, spring oilseed rape, sugar beet, maize or potatoes after ploughing.

Mixing and spraying: Start filling the sprayer tank and start agitation.

Add sufficient SUMIMAX for the area to be treated when the tank is at least one quarter full.

Complete the filling process with water. Ensure the product is mixed and fully dispersed before starting spraying.

Do not overlap spray swaths.

Sequences: SUMIMAX can be followed by any relevant herbicide, including sulfonylurea products.

Do not follow an application of SUMIMAX with another product for at least 14 days.

Sprayer cleaning: To avoid damage to crops other than cereals, immediately after spraying SUMIMAX thoroughly clean all spray equipment, including inside and outside of lid.

Rinse the inside of the sprayer and accessory equipment with a volume of water equivalent to at least 10% of the sprayer capacity. Dispose of rinsing water.

Half fill tank with water. Add a tank cleaning agent with a pH greater than 11, such as All Clear Extra and circulate. Flush booms, pumps and filters. Completely empty the tank. Separately clean the nozzles and other accessories.

Repeat the rinse, flush and drain.

DISPOSE OF WASHINGS IN A RESPONSIBLE MANNER. DO NOT APPLY WASHINGS TO LAND DUE TO BE PLANTED WITH A SENSITIVE CROP.

Storage: Store in a cool dry place. Protect from heat and frost.

Always read the label. Use pesticides safely.