

OPEN HERE

**RISK AND SAFETY INFORMATION**  
**MOZAIC® SX®**
**Herbicide**
**Contains 40 g/kg metsulfuron-methyl and  
400 g/kg thifensulfuron-methyl**
**Very toxic to aquatic life with  
long lasting effects.**

Collect spillage.

 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.

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

**FMC**
**MOZAIC® SX®**  
 Cereal herbicide

GROUP 2 HERBICIDE

**MAPP 18759**

 A non-segregating blend of water soluble granules  
containing 40 g/kg metsulfuron-methyl and 400 g/kg  
thifensulfuron-methyl for spring control of broad-leaved  
weeds in winter wheat, spring wheat and spring barley.

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

**FOR USE ONLY AS A PROFESSIONAL HERBICIDE**

 Contents: **400 g**

 FMC Agro Limited, Rectors Lane, Pentre, Flintshire, CH5 2DH.  
Tel: 01244 537370. Email: fmc.agro.uk@fmc.com  
Website: www.fmc-agro.co.uk. Technical Helpline:  
01423 205011

**Emergency No.s - Medical Incidents Involving Crop  
Protection Products:** England & Wales: 111, Scotland:  
08454 24 24 24, Northern Ireland: Local GP or Pharmacist,  
Republic of Ireland: 01 837 9964.

**Healthcare professionals seeking poisons information:**  
www.toxbase.org.

**Emergency No.s - Transportation, Warehousing & After Sale  
Incidents:** CHEMTREC help centre Dialling from the UK and NI:  
0870 820 0418, Dialling from Ireland: 01 901 4670

**The Voluntary Initiative**

 This label is compliant with the  
CropLife UK Voluntary Initiative  
Guidance

 To access the Safety Data Sheet  
for this product scan the code

**READ DIRECTIONS FOR USE ON ATTACHED LEAFLET**

\* is a trademark of FMC Corporation or an affiliate

Batch N°:

11016435\_22065180\_GREAT BRITAIN AND NORTHERN IRELAND

	FILL IN		DIMENSION (WxH)
Country	GREAT BRITAIN AND NORTHERN IRELAND	Single label	
Product SKU	11016435	Base for Booklet	
Product SKU Description	MOZAIC SX_400G_GB	Booklet	BKL 290x110 mm (240x110 mm)
Label SKU	22065180	Number of pages (Booklet)	8 pages
Label SKU Description	LBL_ML-F_400G_MOZAIC SX_GB_1	Carton label	
Label SKU (earlier version)	x	Preprinted Material	No

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**WARNING****IMPORTANT INFORMATION****FOR USE ONLY AS A PROFESSIONAL HERBICIDE**

Crops	Maximum individual dose (g product / ha)	Max number of treatments (per crop)	Latest time of application
Wheat (winter)	125	1	Before flag leaf sheath extending stage
Barley (spring), wheat (spring)	100	1	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.

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.

**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.**

## 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

- MOZAIC® SX® 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 MOZAIC® SX® 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.
- Do not apply within 7 days of rolling the crop.
- Contract agents should be consulted before using on crops grown for seed.
- Refer to 'Compatibility' for details on use of MOZAIC® SX® with other 'ALS inhibiting' herbicides.

### Weed Control

MOZAIC® SX® contains two highly active herbicidal ingredients with activity against a wide range of broad-leaved weeds. Metsulfuron-methyl and thifensulfuron-methyl are sulfonyleurea herbicides. MOZAIC® SX® is most effective when applied to small, actively growing weeds. As larger weeds usually become less susceptible, it is important to note the size of each weed species at the time of application. Susceptible plants cease growth almost immediately after post-emergence application and symptoms can be seen about two weeks after application. Good spray cover of the weeds must be obtained. Weed control may be reduced when soil conditions are very dry.

### Weed Resistance

This product contains metsulfuron-methyl and thifensulfuron-methyl, which are ALS inhibitors, also classified by the Herbicide Resistance Action Committee as 'Group 2, previously 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 within a weed species can be avoided or delayed by sequencing 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 Groups have produced guidelines and copies are available from the HGCA, CropLife UK, your distributor, crop adviser or product manufacturer.

### Susceptible Weeds

The susceptibility ratings of weeds in the following table refer to good spray cover and good growing conditions.



Weed Species	Plants up to 2 expanded true leaves	Plants up to 6 expanded true leaves	Plants up to 15 cm across/high
Black-bindweed	S	S	MS
Charlock	S	S	S
Chickweed, Common	S	S	S
Cleavers *	MS	MS	MS
Dead-nettle, Red	S	S	S
Fat-hen	S	S	MS
Field-speedwell, Common	S	S	MS
Forget-me-not	S	S	S
Hemp-nettle, Common	S	S	S
Knotgrass	S	S	MS
Mayweeds	S	S	S
Orache, Common	S	S	-
Pansy, Field	S	MS	MS
Parsley-piert	S	S	S
Poppy, Common	S	S	MS
Redshank	S	S	S
Shepherd's-purse	S	S	S

S = Fully susceptible MS = Moderately susceptible

\* MOZAIC® SX® generally controls Cleavers at all stages of growth, but regrowth can occur. Should overspraying be necessary, do not use another sulfonylurea product for this purpose.

### Soil

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

### Volume and application

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

Application should be made in 200 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 swaths.

### Mixing

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

### Compatibility

To widen the spectrum of activity and improve the control of some weeds, MOZAIC® SX® may be applied with other herbicides, provided each product can be applied within the label recommendations for its use. Always add MOZAIC® SX® to the spray tank first when using in tank-mix.

The following 'joint application' with other sulfonylurea and 'ALS inhibiting' herbicides may be applied to a crop. Requirements and restrictions on other product labels must be adhered

to. 'Joint application' is the use of MOZAIC® SX® in tank mixture or sequence with one of the products listed below.

Absolute	Excalibur	Lexus SX	Starane XL
Atlantis WG	Exceed SX	Othello	Unite\$
Barton WG	Galaxy	Pacifica	
Boxer	GF-184	Pursuit*	
Broadway Star	GF-2070\$	Slalom	
Broadway Sunrise	Hatra	Spitfire	
Bullion	Hiker	Spitfire Solo	
Dakota	Horus	Staka SX	
Ductis SX	Hunter	Starane Gold	
Eagle*	Lexus Class	Starane Vantage	

\* only cereals as following crop

\$ Use only in sequence with MOZAIC® SX®

Additional recommendations may be approved since label printing. Please consult your FMC distributor for latest details on compatibilities.

### Crops

MOZAIC® SX® can be used on all varieties of wheat (except Durum wheat) and spring barley between the growth stages given below.

### Dose

Winter wheat - apply MOZAIC® SX® at 125 g/ha.

Spring wheat and barley - apply MOZAIC® SX® at 100 g/ha.

### Timing

MOZAIC® SX® must only be applied in the spring after 1 February from the three-leaf stage up to and including the flag-leaf fully emerged stage of crop growth.

### 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 MOZAIC® SX®. In case of crop failure for any reason, sow only winter wheat within three months of application of MOZAIC® SX®. 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 OR LAND INTENDED FOR CROPPING. SPRAYING EQUIPMENT SHOULD NOT BE DRAINED OR FLUSHED ONTO LAND PLANTED WITH OR INTENDED FOR PLANTING WITH TREES OR CROPS OTHER THAN CEREALS.

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.

### Spray Tank Clean-out

TO AVOID SUBSEQUENT DAMAGE TO CROPS OTHER THAN CEREALS, IMMEDIATELY AFTER SPRAYING MOZAIC® SX® THOROUGHLY CLEAN ALL SPRAY EQUIPMENT, INCLUDING INSIDE AND OUTSIDE OF LID, USING THE FOLLOWING PROCEDURE:

Always start with a clean tank and spray system. Clean spray equipment thoroughly immediately after use.

1. Thoroughly and completely rinse all interior tank surfaces (including lid) with water (use at least 10% of the tank capacity), taking care to remove any visible deposits. Flush pump, filters and boom after removing in-line strainers, nozzle tips and screens (clean these parts separately). Drain the remainder of the rinsate from the tank.
2. Repeat the rinse, flush and drain.
3. For disposal of washings, follow the 'Code of Practice for Using Plant Protection Products' (DEFRA Publications 2006). Do not spray onto sensitive crop or land intended for cropping with sensitive crop.

#### Note:

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

### Notice To Buyer

FMC as the manufacturer warrants that the composition of the product in sealed original FMC packaging complies with the information given on this label. FMC is not liable for any direct or indirect consequences resulting from improper storage, handling or use of the product contrary to or otherwise not in compliance with this label, law and regulations. Various factors, especially local conditions, such as soil condition, plant varieties and weather conditions, may either cause the product not to have the full desired effect or result in damage to the crops treated. FMC does not assume any liability for such results.

All manufacturers trademarks are duly acknowledged.

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## Safety Precautions

### Operator protection

WHEN USING DO NOT EAT, DRINK OR SMOKE.

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 chemical and used container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

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

### Storage and Disposal

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

THIS MATERIAL AND ITS CONTAINER must be disposed of in a safe way.

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

### Additional Product Safety Information

**(This section does not form part of the product label under the Control of Pesticide Regulations 1986)**

**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 Control of Pesticides Regulations.**

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



