

**Dose**  
Apply TRATON® SX® at 45 g product/ha.

**Timing**  
Winter wheat, barley, oats and triticale:  
TRATON SX must be applied from the 1<sup>st</sup> March in the year of harvest, from the main shoot only (no tiller) stage (GS20) up to and including flag leaf fully unrolled, ligule just visible (GS39).

Spring wheat and barley:  
TRATON SX must be applied from the 1<sup>st</sup> March in the year of harvest, from the three-leaf stage (GS13) up to and including flag leaf fully unrolled, ligule just visible (GS39).

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

**Volume and application**  
BEFORE USING TRATON® SX®, SPRAYING EQUIPMENT MUST BE CLEAN AND FREE FROM CONTAMINATION WITH OTHER PESTICIDES.  
Application should be made in 100-200 litres of water per hectare, using 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 BCPG). When crops are thick or weed growth is dense, use 400 litres of water per hectare. 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 TRATON® 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, TRATON® SX® may be applied with other herbicides, provided each product can be applied within the label recommendations for its use. Always add TRATON® SX® to the spray tank first when using in tank-mix and ensure it is fully dispersed before adding the partner product.  
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 TRATON® SX® in tank mixture or sequence with one of the products listed below.

Atlantis OD	Broadway Star	Gartrel	Hunter	Palio
Avocet	Dakota	GF-184	Octavian	Slalom
Barton WG	Eagle*	Hatra	Othello	Spitfire
Boxer	Galaxy	Horus	Nevada	Starane XL

\* only cereals as following crop

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

**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 TRATON® 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. Dispose of washings safely. 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.

**WARNING**  
EXTREME CARE SHOULD BE TAKEN TO AVOID DAMAGE BY DRIFT OF SPRAY ONTO BROAD-LEAVED PLANTS OUTSIDE THE TARGET AREA OR ONTO PONDS, WATERWAYS 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.

**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.

*All manufacturers trademarks are duly acknowledged.*

**Risk and Safety Information**

**TRATON® SX®**

Herbicide

Contains tribenuron-methyl. May produce an allergic reaction

**May cause damage through prolonged or repeated exposure**  
**Very toxic to aquatic life with long lasting effects.**

Do not breathe vapours or spray.  
Avoid release to the environment.  
Get medical attention if you feel unwell.  
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**

**TRATON® SX®**

Cereal Herbicide

GROUP

2

HERBICIDE

**MAPP 20674**

A water soluble granule formulation containing 111 g/kg metsulfuron-methyl and 222 g/kg tribenuron-methyl for spring weed control in wheat and barley, winter oats and winter triticale.

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

3 576960 031448

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A water soluble

# TRATON® SX®

## Cereal Herbicide

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FMC Agro Limited, Rectors Lane, Pentre, Flintshire, CH5 2DH. Tel: 01244 537370.

Email: [fmc.agro.uk@fmc.com](mailto:fmc.agro.uk@fmc.com)

Website: [www.fmc-agro.co.uk](http://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](http://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

® is a trademark of FMC Corporation or an affiliate

#### IMPORTANT INFORMATION

FOR USE ONLY AS A PROFESSIONAL HERBICIDE

**Maximum individual dose:** 45 g product/ha

**Maximum number of treatments:** 1 per crop

**Crops:** wheat, barley, winter oats and winter triticale

**Latest time of application:** Up to and including flag leaf fully unrolled, ligule just visible (GS39)

#### Other Specific Restrictions:

This product must not be applied via hand-held equipment.

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 the 'Local Environment Risk Assessment for Pesticides Horizontal Boom Sprayers' booklet available from the HSE Chemicals Regulation Division's website or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years. Extreme care must be taken to avoid spray drift onto non-crop plants outside of the target area.

The product must only be applied from 1 March 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**

Crops/situations:	Aquatic buffer zone distance (metres):	Comment:
Barley (spring), barley (winter), oats (winter), triticale (winter), wheat (spring), wheat (winter)	5	see Environmental Protection Phrase 1

#### SAFETY PRECAUTIONS

##### Operator protection

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

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate.

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

When using do not eat, drink or smoke

Avoid contact with skin

Wash hands before meals and after work

##### Environmental Protection

Crops/situations with 5m buffer zone:

Since there is a risk to aquatic life from use, users not applying the statutory buffer zone must either themselves carry out or ensure that someone else has carried out a Local Environment Risk Assessment for Pesticides (LERAP) on their behalf before each spraying operation from a horizontal boom sprayer. Users must not allow direct spray from horizontal boom sprayers to fall within 5m of the top of the bank of any static or flowing waterbody or within 1m of a ditch which is dry at the time of application (these distances to be measured as set out in the guidance documents available from HSE Chemical Regulation Division's website and any amendments that are made to it) unless:

(a) The LERAP indicates that a narrower buffer zone will be sufficient; and

(b) Any measures indicated by the LERAP as justifying the narrower buffer zone are complied with in full and in accordance with any conditions applicable to them.

Spray must be aimed away from water.

The results of the LERAP must be recorded in written form and must be available for a period of three years for inspection to any person entitled to exercise enforcement powers under or in connection with the Plant Protection Products Regulations 2011 or the Plant Protection Products (Sustainable Use) Regulations 2012. (An electronic record will satisfy the requirement for a written record, providing it is similarly available for inspection and can be copied).

Detailed guidance on LERAPs and how to conduct a LERAP are contained in the guidance documents available from HSE Chemicals Regulation Division's website. All LERAPs must be carried out in accordance with this Guidance and any amendments that are made to it.

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.

##### Storage and Disposal

Keep out of reach of children

Do not re-use container for any purpose and dispose of safely

Keep away from food, drink and animal feeding stuffs

#### 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

- TRATON® SX® should 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 TRATON® 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.
- Contract agents should be consulted before using on crops grown for seed.
- TRATON® SX® should not be applied within 7 days of rolling the crop.
- Do not apply TRATON® SX® more than once to any cereal crop.

- All requirements or restrictions on other product labels must be adhered to when applied to the same crop as TRATON® SX®. Contact your DuPont distributor for further information.
- Do not use TRATON® SX® in tank-mix on oats or triticale. Allow at least 7 days between TRATON® SX® and other treatments (10 days if crop is growing poorly or under stress).
- Do not tank mix TRATON® SX® with chlorpyrifos. Allow at least 14 days between application of TRATON® SX® and chlorpyrifos treatments.
- Refer to 'Compatibility' for details on use of TRATON® SX® with other 'ALS inhibiting' herbicides

##### Weed control

TRATON® SX® contains metsulfuron methyl and tribenuron methyl, sulfonyleurea (ALS inhibitor) herbicides which work mainly by contact action and is most effective if applied when the weeds are small and actively growing. Good spray cover of the weeds must be obtained for best results. Residual effects may be reduced by heavy rain. Susceptible plants cease growth almost immediately after application and symptoms can be seen about two weeks after application although the full effect of the treatment may not be apparent for up to four weeks. Weed control may be reduced when soil conditions are very dry. The susceptibility rating of weeds in the following table refer to good spray cover and good growing conditions.

Weed Species	Plants up to 2 fully expanded true leaves	Plants up to 6 fully expanded true leaves
Chickweed	S	S
Dead-nettle, Red	S	S
Field Pansy, Common	S	MS
Field-speedwell, Common	S	S
Forget-me-not	S	MS
Fool's Parsley	S	S
Groundsel	S	S
Hemp-nettle, Common	S	S
Knotgrass	S	S

##### Resistance

This product contains tribenuron-methyl and metsulfuron-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 with a weed species can be avoided or delayed by alternating (or tank mixing) with suitable products having a different mode of action which have activity against the target 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.

Do not apply to weeds where target site resistance to ALS inhibiting herbicides is confirmed. To reduce the risk of developing resistance applications should be made to young, actively growing weeds.

Always monitor effectiveness of weed control and investigate any patches of poor control. If unexplained, contact your agronomist, who may consider a resistance test appropriate. A strategy for preventing and managing resistance should be adopted. The Weed Resistance Action Group has produced guidelines and copies are available from the HCP, CropLife UK, your distributor, crop advisor or product manufacturer.

##### Crops

TRATON® SX® can be used on all varieties of winter wheat, spring wheat, winter barley, spring barley, winter oats and winter triticale between the growth stages given below.