

(Label main area front panel)



Quantum® Max SX
PCS No 04044

A water soluble granule formulation containing 250 g/kg tribenuron methyl and 250 g/kg thifensulfuron methyl, both sulfonylureas, for weed control in wheat and barley, oats, rye and triticale.

SAFETY PRECAUTIONS

Operator Protection

WASH HANDS AND EXPOSED SKIN before eating and drinking and after work

Environmental Protection

DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container

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 of 5m to surface water bodies.

Direct spray away from water.

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

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National Poisons Centre : (01) 837 9964 or (01) 809 2166

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All manufacturer's trademarks are duly acknowledged.

Contents: XXX grams
Manufactured in the E.U.
For Professional Use only

Safety Information

Quantum® Max SX

Herbicide

Contains 250 g/kg tribenuron methyl and 250 g/kg thifensulfuron methyl
Contains tribenuron-methyl. May produce an allergic reaction



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

TO AVOID RISKS TO HUMAN HEALTH AND THE ENVIRONMENT, COMPLY WITH THE INSTRUCTIONS FOR USE

PCS No 04044

IMPORTANT INFORMATION

FOR USE ONLY AS A PROFESSIONAL HERBICIDE

Crops:	Winter Wheat, spring wheat, winter barley, spring barley, oats, rye and triticale
Maximum single dose:	60 g/ha
Maximum no of application at a Single dose:	One per crop
Latest time of application:	Up to and including flag leaf ligule/collar just visible (GS 39)
Maximum total dose:	60 g product/ha
Method of application:	Tractor mounted sprayer / knapsack

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

-----(*Start of label leaflet*)-----

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

- Do not apply to any crop suffering from stress as a result of drought, water-logging, low temperatures, pest or disease attack, nutrient or lime deficiency or other factors reducing crop growth.
- Do not apply to crops undersown with grass, clover or other legumes or any other broad-leaved crop.
- Do not apply more than once to any cereal crop.
- Do not apply within seven days of rolling the crop.
- Contract agents should be consulted before using on crops grown for seed.
- 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.
- Only the following sulfonylurea and other 'ALS inhibiting' herbicides can be applied in sequence with Quantum Max SX:
 - Lexus Class
 - Pacifica

Weed Control

Quantum Max SX contains thifensulfuron-methyl and tribenuron-methyl, sulfonylurea (ALS inhibitor) herbicides that work predominantly by foliar action with some root activity. It controls a wide range of broad-leaved weeds and is most effective if applied when the weeds are small and actively growing. Good spray cover of weeds must be obtained and since larger weeds often become less susceptible, it is important to note the size of each weed at the time of application. Susceptible plants cease growth almost immediately after post-emergence treatment and symptoms can be seen about two weeks after spring application. It is also important to identify the weeds occurring in the crop and refer to the weed table to ensure that the weeds present are those susceptible to Quantum Max SX. The susceptibility ratings of weeds in the following table refer to good spray cover and good growing conditions.

Weed 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 within a weed species can be avoided or delayed by sequencing or tank-mixing with suitable products having a different mode of action. For control of Chickweed this product must always be applied with an alternative mode of action product at recommended rates.

A strategy for preventing and managing resistance should be adopted. Further details and advice on how to implement such a strategy may be obtained from your crop advisor or chemical supplier. The Herbicide Resistance Action Committee (HRAC) also produces guidelines which may be consulted for additional information.

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
Dead-nettle, Red *	S	S	MS
Broad-leaf dock ‡	S	S	S
Fat-hen	S	S	MS
Forget-me-not *	S	S	MS
Fumitory *	S	S	R
Hemp-nettle, Common	S	S	-
Mayweed *	S	S	S
Poppy, Common *	S	S	R
Redshank	S	S	MS
Shepherd's-purse *	S	S	MS

S = Susceptible MS = Moderately Susceptible MR = Moderately Resistant R = Resistant

* Controlled by autumn or spring applications up to six leaves.

‡ Curled docks (*Rumex crispus*) are not controlled by Quantum Max SX. Broad-leaved docks germinating after application are not controlled.

Soil and weather

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

Volume and application

BEFORE USING QUANTUM MAX 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. 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 Quantum Max SX directly to the tank without prior creaming. Continue agitation while topping up the tank and while spraying.

Compatibility

In any tank-mix add Quantum Max SX to the tank first and ensure it is fully dispersed before adding the partner product. Products should only be tank-mixed if each product can be applied within the label recommendations for its use. For further information contact your DuPont distributor.

Crops

Quantum Max SX can be used on all varieties of winter and spring wheat and barley, oats, rye and triticale.

Timing

Quantum Max SX should be applied from the three-leaf stage up to and including the flag leaf ligule/collar just visible (GS 39).

Dose

Apply Quantum Max SX at 60 g/ha.

Following Crops

Cereals, field beans or oilseed rape may be sown in the same calendar year as harvest of a cereal crop treated with Quantum Max SX. Before sowing, soil should be ploughed and cultivated to a depth of at least 15cm.

In the event of a crop failure for any reason, sow only a cereal crop within three months of application of Quantum Max SX. After three months field beans and oilseed rape may also be sown.

WARNINGS

EXTREME CARE SHOULD BE TAKEN TO AVOID DAMAGE BY DRIFT OF SPRAY 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 QUANTUM MAX 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.

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.

Safety Data Sheet

[Insert QR code and wording]

To access the Safety Data Sheet for this product scan the code, visit www.cropprotection.dupont.co.uk or alternatively contact your supplier