



SAVVY® PREMIUM

GROUP 2 HERBICIDE

MAPP 20642

A water soluble granule formulation containing **200 g / kg metsulfuron-methyl**, a sulfonylurea, for spring weed control on all winter and spring varieties of wheat, barley, oats, triticale and linseed, and for use on green cover on land not being used for crop production.

IMPORTANT INFORMATION

FOR USE ONLY AS A PROFESSIONAL HERBICIDE

Crops:	Wheat, barley, oats, triticale, linseed and green cover on land not being used for crop production
Maximum individual dose:	30 g product per hectare.
Maximum number of treatments:	One per crop.
Latest time of application:	Wheat, barley, oats, triticale: before flag leaf sheath extending stage (GS41). Linseed: up to 30 cm high or before flower buds visible. Green cover on land not being used for crop production: before 1 August in year of application.
Other specific restrictions:	This product must only be applied to green cover on land not being used for crop production where a full green cover is established. Green cover on land not being used for crop production must not be grazed by livestock or harvested for human or animal consumption or used for animal bedding. This product must only be applied to green cover on land not being used for crop production where the cover crop is predominantly (i.e. sufficient to maintain reasonable cover) grassland or wheat.

READ 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

Authorisation Holder and Marketing Company:

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Technical Enquiries: 0800 078 9649, www.albaugh.eu

Batch number and date of manufacture: see packaging

Emergency Information:

CARECHEM: +44 1235 239 670 (24 hour)



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 GLOVES AND FACE PROTECTION (FACESHIELD).

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

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

Do not breathe spray.

Environmental Protection:

Extreme care must be taken to avoid spray drift onto non-target plants.

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 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.

Do not contaminate surface 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 IN ORIGINAL CONTAINER tightly closed, in a safe place.

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling 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

Do not apply more than once to any cereal or more than once per year to green cover on land not being used for crop production.

SAVVY PREMIUM, alone or in tank-mix, 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 SAVVY PREMIUM on cereal crops undersown with grasses, clover or other legumes or any other broad-leaved crop.

Refer to "Compatibility" for details on use of SAVVY PREMIUM with other ALS inhibitor herbicides. Do not apply SAVVY PREMIUM to any cereal crop in sequence or in tank-mixture with any product containing any other sulfonylurea herbicide not listed in "Compatibility".

Do not apply SAVVY PREMIUM on seedling grasses. On green covers, SAVVY PREMIUM should be applied to seedling cereals from the three-leaf stage.

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

Do not use SAVVY PREMIUM in tank-mix on oats and triticale.

SAVVY PREMIUM should not be applied within 7 days of rolling any 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.

Weed Control

SAVVY PREMIUM is a highly active herbicide with foliar and root activity against a wide range of broad-leaved weeds. It is most effective when applied to small actively growing weeds. As larger weeds often become less susceptible, it is important to note the size of each weed species at the time of application.

Good spray cover of the weeds must be obtained. Weed control may be reduced when soil conditions are very dry. Nevertheless, with adequate soil moisture, susceptible weeds germinating soon after treatment will be controlled.

Weed Resistance

This product contains metsulfuron-methyl, which are ALS inhibitors, also classified by the Herbicide Resistance Action Committee as 'Group 2'.

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 AHDB, CPA, your distributor, crop adviser or product manufacturer.

Susceptible Weeds

Weed Species	Winter cereals during the tillering stage 25 g/ha (Plants up to 15 cm across/high)*	Spring cereals from 2 leaf stage until end of tillering 20 g/ha (Plants up to 15 cm across/high)*	Winter and spring cereals during the stem elongation stage, green cover on land not being used for crop production 30 g/ha		
			Plants up to 2 expanded true leaves*	Plants up to 6 expanded true leaves*	Plants up to 15 cm across/high*
Black-bindweed	--	MS	MS	MS	--
Charlock	--	--	5	5	S
Chickweed, Common	S	S	5	S	S
Cranes-Bill, Dove's foot	--	--	5	S	--
Dead-nettle, Red	--	MS	5	S	MS
Docks	--	--	5	S	S
Fat-hen	--	R	5	R	R
Field pennycress	--	S	--	--	--
Field-speedwell, Common	MS	MS	5	S	MS
Forget-me-not, Field	--	--	5	MS	MS
Fool's Parsley	--	--	5	S	MS
Fumitory, Common	S	--	--	--	--
Hemp-nettle, Common	--	--	S	S	S
Knotgrass	--	--	5	MS	MS
Mayweeds	S	S	5	S	S
Nettle, Small	--	--	5	S	--
Pale Persicaria	--	--	5	S	S
Pansy, Field	MS	MS	5	MS	MS
Parsley-piert	--	--	5	S	S
Poppy, Common	--	--	5	S	MS
Redshank	--	--	5	S	S
Shepherd's-purse	--	S	5	S	S
Sowthistle, smooth	--	--	5	--	--
Volunteer Rape	--	S	5	S	--
Volunteer Sugar Beet	--	--	5	S	S

*S = Susceptible; MS = Moderately susceptible, R = resistant

Soil

SAVVY PREMIUM can be used on all soil types.

Volume and application

Apply in 100 - 200 litres of water per hectare, using suitable equipment to give good spray cover of the weeds. When crops are thick or weed growth dense, use up to 400 litres of water per hectare.

When applying SAVVY PREMIUM, care should be taken not to overlap spray swaths.

Mixing

- Before using SAVVY PREMIUM, make sure that the spraying equipment is clean.
- When using SAVVY PREMIUM in a tank-mix, always add SAVVY PREMIUM to the spray tank first.

SAVVY PREMIUM mixes easily with water, but the following mixing procedure should be followed: quarter fill the spray tank with water, start the agitation and add the required quantity of SAVVY PREMIUM directly to the tank without prior creaming. Continue agitation while topping up the tank and while spraying.

Compatibility

In any tank-mix add SAVVY PREMIUM 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 Albaugh distributor or view www.albaugh.eu.

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

	FOLLOWING CROPS		
	Cereals	Oilseed Rape	Field Beans
Hatra	Yes	Yes	Yes
Horus	Yes	Yes	Yes
Othello	Yes	Yes	Yes
Cintac	Yes	Yes	Yes
Niantic	Yes	Yes	Yes
Lector	Yes	Yes	Yes
Broadway Star ¹	Yes	Yes	Yes
Dakota	Yes	Yes	Yes
Galaxy	Yes	Yes	Yes
GF-184	Yes	Yes	Yes
Hunter	Yes	Yes	Yes
Slalom	Yes	Yes	Yes
Spitfire	Yes	Yes	Yes
Starane XL	Yes	Yes	Yes
Eagle	Yes	No	No

¹ Use in sequence only

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

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.

Do not apply SAVVY PREMIUM to any cereal crop in sequence or tank-mixture with any product containing any other sulfonylurea herbicide product not listed in the table.

Cultivation (following crop):

No special requirements for cultivation are needed where cereals are to be sown as the following crop.

Before sowing either oilseed rape or field beans, soil should be cultivated to a depth of 20 cm.

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

CROPS

CEREALS

Crop Safety

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

Timing

SAVVY PREMIUM must only be applied from 15th March provided the crop has at least two leaves (wheat, oats and triticale) or three leaves (barley), until before the flag leaf sheath extending stage.

Dose

Apply SAVVY PREMIUM at the dose appropriate to the crop and growth stage when used alone or in tank-mix with other herbicides.

Spring cereals from 2 leaf stage until end of tillering (GS 12 - 29):
maximum dose 20 g/ha.

Winter cereals during tillering (GS 20 - 29):
maximum dose 25 g/ha.

Winter and spring cereals during stem elongation (GS 30 - 39):
maximum dose 30 g/ha.

Replacement crops

In case of crop failure within 3 months from the application of SAVVY PREMIUM, sow only wheat.

Following crops

Only cereals, oilseed rape, field beans or grass may be sown in the same calendar year to succeed a cereal crop treated with SAVVY PREMIUM. Where joint application with other sulfonylurea and 'ALS-inhibiting' herbicides is required, recommendations in the compatibility section must be followed.

LINSEED

Crop Safety and timing

SAVVY PREMIUM should be applied to actively growing linseed (all varieties) from the growth stage "first pair of true leaves unfolded", up to 30 cm high or before flower buds visible, whichever comes first. Applications must only be applied from 1st April in the year of harvest.

When applying SAVVY PREMIUM, care should be taken not to overlap spray swaths.

Dose

Apply SAVVY PREMIUM at 30 g/ha.

Following crops

Only cereals should be planted within 16 months of applying SAVVY PREMIUM to a linseed crop.

GREEN COVER ON LAND NOT BEING USED FOR CROP PRODUCTION

Crop Safety

SAVVY PREMIUM may be applied to green cover on land not being used for crop production where the green cover is made up predominantly (i.e. sufficient to maintain reasonable cover) of grassland, wheat, barley, oats or triticale.

Where established grass species are the main cover crop, some discolouration and stunting may occur. SAVVY PREMIUM is selective to seedling cereals from the three-leaf stage (GS 13), but should not be used on seedling grasses.

Dose and timing

Apply SAVVY PREMIUM at 30 g per ha in 200 litres of water per ha before 1 August in year of application.

Only one application of a sulfonylurea-containing product must be made per calendar year to green cover on land not being used for crop production.

Following crops

Sow only cereals within 16 months of applying SAVVY PREMIUM on green cover on land not being used for crop production e.g. set-aside.

General

SAVVY PREMIUM effectively controls broad-leaved docks, with best control achieved from application three weeks before or after cutting. Many other broad-leaved plants occurring in the 'set-aside' area will also be controlled or partially controlled, hence it may not be suitable for use where wild flower borders or other forms of conservation headland are to be developed. Before using on land taken out of production as part of a grant-aided scheme, ensure compliance with the management rules of that scheme.

WARNINGS

EXTREME CARE SHOULD BE TAKEN TO AVOID DAMAGE BY DRIFT ONTO BROADLEAVED 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 BOUDHATHOROUGHLY CLEAN ALL SPRAY EQUIPMENT, INCLUDING INSIDE AND OUTSIDE OF LID, USING A PROPRIETARY SPRAYER CLEANER FOR USE WITH SULFONYLUREAS 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 spray 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 sulfonylureas. 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 sulfonylureas 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.

GENERAL NOTES

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

COMPANY ADVISORY INFORMATION

This section is not part of the Product Label under Plant Protection Products Regulations. It provides additional advice on product use at the discretion of Albaugh UK Ltd.

TERMS AND CONDITIONS OF SUPPLY, SALE AND USE

Many factors can affect or influence the activity of this product, including, but not limited to: weather and soil conditions, crop variety, treatment timing, water volume, application rates, spraying techniques, crop rotation, regional factors and the occurrence and development of weeds resistant to the active ingredients. Under certain circumstances, changes in activity or crop damage can occur. The manufacturer or supplier is unable to accept any liability in these circumstances. All goods supplied by us are of a high grade and we believe them to be suitable for the purpose for which we expressly supply them: but as we cannot exercise any control over their mixing, use or application which may affect the performance of the goods 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. These conditions cannot be varied by our staff, our agents or the re-sellers of the product whether or not they supervise or assist in the use of such goods.