



# ACCURATE

MAPP 19237

A water dispersible granule formulation containing 200 g/kg (20% w/w) metsulfuron-methyl A herbicide for spring weed control in wheat, barley, oats, triticale, and for use in green cover on land not being used for production.

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

Pack size: 60 g

Batch No.: XXXXX

## **PROTECT FROM FROST**

### **Authorisation Holder & Marketing Company**

Nufarm UK Limited  
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BD12 9EJ  
United Kingdom

Technical Helpline telephone number +44 (0)1274 694714  
24-hour emergency telephone number +44 (0)1274 696603

This label is compliant with the CPA Voluntary Initiative Guidance





## **WARNING**

**Causes serious eye irritation.**

**Very toxic to aquatic life with long lasting effects.**

Wash hands thoroughly after handling.

Wear eye protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

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 risk to human health and the environment, comply with the instructions for use.**

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

<b>Crop</b>	<b>Maximum Individual Dose (g product/ha)</b>	<b>Maximum number of treatments</b>	<b>Latest Time of Application</b>
Wheat, barley, oats, triticale	30	1 per crop	Before flag leaf sheath extending stage
Green cover on land not being used for production.	30	1 per year	Before 1 August in year of application

*Other Specific Restrictions:*

- Do not apply this product to winter cereals before 15 March in year of harvest or spring cereals before 1 April in the year of harvest
- This product must only be applied to green cover on land not being used for production where a full green cover is established and the cover crop is predominantly (i.e. sufficient to maintain reasonable cover) grassland, wheat, barley, oats or triticale.
- Green cover on land not being used for production must not be grazed by livestock or harvested for human or animal consumption or used for animal bedding.

**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.**

## **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) 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.

DO NOT APPLY via hand held equipment

WHEN USING DO NOT EAT, DRINK OR SMOKE

### **Environmental Protection**

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

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5m of the top of the bank of a static or flowing waterbody unless a Local Environmental 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 PSD'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 water with this product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

### **Storage and Disposal**

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.

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

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank, and dispose of safely.

DO NOT RE-USE CONTAINERS for any purpose.

## **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.

### **GENERAL INFORMATION**

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

### **CAUTIONS**

- Do not apply ACCURATE 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 ACCURATE on cereal crops undersown with grasses, clover or other legumes or any other broad-leaved crop.
- Do not apply ACCURATE to any cereal crop in tank-mixture or sequence with a product containing any sulfonylurea or ALS inhibiting herbicide.
- When use in tank-mixtures take care not to overlap spray swaths.
- Accurate should not be applied within 7 days of rolling any 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 broadleaved plants outside the target area, or onto ponds, waterways or ditches. Thorough cleansing of equipment is also very important- see SPRAY TANK CLEAN-OUT.
- Treat green cover on land not being used for production only where full green cover crop is predominantly grassland, wheat, barley, oats or triticale.
- Treated green cover on land not being used for production must not be grazed by livestock, harvested for human or animal consumption or used for animal bedding.
- Following crops – see under CROPS section
- Crop failure: in the event of crop failure for any reason, sow only wheat within 3 months of the application of ACCURATE.
- Extreme care must 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.

## Soil Types and Weather Conditions

ACCURATE can be applied to all soil types. Very dry soil conditions may reduce weed control.

## WEEDS CONTROLLED

The susceptibility ratings of weeds in the following table assume good spray cover and good growing conditions

Weed Species	Crops from 2 leaf stage until end of tillering (up to BBCH29) 20g/ha	Crops from beginning of stem elongation (BBCH30-39) 30g/ha		
	Plants up to 2 expanded true leaves	Plants up to 2 expanded true leaves*	Plants up to 6 expanded true leaves*	Plant up to 15 cm across/high*
<i>Convolvulus arvensis</i>	-	MS	MR	R
<i>Ranunculus repens</i>	-	S	MS	R
<i>Raphanus raphanistrum</i>	-	S	S	S
<i>Stellaria media</i>	S	S	S	MS
<i>Chrysanthemum segetum</i>	-	S	S	MS
<i>Spergula spp.</i>	-	S	S	S
<i>Geranium molle</i>	-	S	S	
<i>Lamium purpureum</i>	S	S	S	MS
<i>Rumex spp.</i>	-	S	S	S
<i>Chenopodium album</i>	MR	S	MR	R
<i>Veronica persica</i>	MR	S	S	MS
<i>Myosotis arvensis</i>	-	S	MS	MS

<i>Aethusa cynapium</i>	-	S	S	MS
<i>Galeopsis tetrahit</i>	-	S	S	S
<i>Polygonum aviculare</i>	MR	S	MS	MS
<i>Matricaria spp.</i>	S	S	S	S
<i>Urtica urens</i>	S	S	S	-
<i>Lapsana communis</i>	-	S	S	-
<i>Atriplex patula</i>	-	MS	R	R
<i>Polygonum lapathifolium</i>	-	S	S	S
<i>Viola arvensis</i>	MS	S	MS	MS
<i>Aphanes microcarpa</i>	-	S	S	S
<i>Papaver rhoeas</i>	S	S	S	MS
<i>Polygonum persicaria</i>	-	S	S	S
<i>Anagallis mas</i>	-	S	S	S
<i>Capsella bursa-pastoris</i>	S	S	S	S
<i>Sonchus arvensis</i>	-	S	S	-
<i>Euphorbia helioscopia</i>	-	S	MS	-
<i>Cirsium arvense</i>	-	MS	MS	MS
<i>Brassica napus</i>	-	S	S	-
<i>Beta vulgaris</i>	-	S	S	S
<i>Reseda lutea</i>	-	S	MS	MR

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

## 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 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. ACCURATE is a sulfonylurea whose mode of action is via ALS inhibition. Do not use ACCURATE or any other ALS inhibitors, as a sole means of broad-leaved weed control in successive years.

A strategy for preventing and managing resistance should be adopted. The Weed Resistance Action Groups have produced guidelines and copies are available from AHDB, CPA, your distributor, crop adviser or product manufacturer.

## **CROP SPECIFIC INFORMATION**

### **CEREALS**

ACCURATE can be used on all varieties of winter and spring varieties of wheat, barley, oats and triticale. A dose of 20 g/ha can be used to treat smaller weeds (2 expanded true leaves), as listed in the Weed Control Table, when applied to crops between BBCH 12-29. A rate of 30 g/ha can be applied in late treated cereals (BBCH 30-39) to control larger weeds.

Application Rate: From 2 leaf stage until the end of tillering (GS12-29): 20 g/ha  
During tillering (GS30-39) 30 g/ha

Application Timing: Winter Cereals: 15 March in the year of harvest until the before the flag leaf extending stage.  
Spring Cereals: 1 April in the year of harvest until before the flag leaf extending stage

Water volume: Apply in 100-200 litres of water per hectare.  
Following crops: Only cereals, oilseed rape, field beans or grass may be sown in the same calendar to succeed a cereal crop treated with ACCURATE.

Do not tank mix on triticale

### **GREEN COVER ON LAND NOT BEING USED FOR PRODUCTION e.g. SET-ASIDE**

ACCURATE may be applied to areas removed from production where the green cover is made up predominantly (i.e. sufficient to maintain reasonable cover) of grassland, wheat, barley, oats and triticale. Where established grass species are the main cover, some discolouration and stunting may occur. ACCURATE is selective to seedling cereals from the



three-leaf stage (GS 13) but should not be used on seedling grasses. ACCURATE must only be applied to green cover on land not being used for production where a full green cover is established.

Application Rate:	30g ACCURATE per hectare.
Application Timing:	Apply before 1 August in the year of application. ACCURATE may be applied to areas removed from production where the green cover is made up predominantly (i.e. sufficient to maintain reasonable cover) of grassland, wheat, barley, oats and triticale. Where established grass species are the main cover, some discolouration and stunting may occur. ACCURATE is selective to seedling cereals from the three-leaf stage (GS 13) but should not be used on seedling grasses. ACCURATE must only be applied to green cover on land not being used for production where a full green cover is established.
Water volume:	Apply in 100-200 litres of water per hectare.
Following crops:	Only cereals should be planted within 16 months of applying ACCURATE to green cover on land not being used for production e.g. set-aside.

## **WARNINGS**

Special care must be taken to avoid damage by drift onto non-target plants outside the target area.

## **WATER VOLUME**

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 400 litres per hectare.

When applying ACCURATE care should be taken not to overlap spray swaths.

## **MIXING**

Half-fill the spray tank with clean water and begin agitation. Add the required quantity of ACCURATE to the water. Rinse the empty container thoroughly with water and add the rinsings to the tank. Complete the filling and apply without delay. Maintain agitation while travelling and throughout the spraying operation.

Wash out the sprayer thoroughly after use using a recognised tank cleaner.

## **COMPATIBILITY**

Do not apply formulations of chlorpyrifos within 14 days before or after applying Accurate. Take care to avoid overlapping spray swaths when using Accurate in tank mixture.

## JOINT APPLICATION

A joint application is the use of a product in tank mixture or sequence with another product.

**Important note:** Joint applications should only be made within the label recommendations of every product in the application. Only one other product with an ALS inhibitor mode of action may be applied to a cereal crop treated with ACCURATE. ACCURATE may be applied in joint application to the same cereal crop with one of the following ALS products:

Product name	Active ingredient	Product name	Active ingredient
Thor Nuance	Tribenuron-methyl (15 g max TBM)	Pinnacle	Thifensulfuron-methyl
Traton SX, Biplay SX Ally Max SX	Metsulfuron-methyl + Tribenuron-methyl (15 g max TBM)	Calibre SX, Inka SX, Ratio SX	Thifensulfuron-methyl + Tribenuron-methyl
Boxer, Barton WG, Lector, Paramount, Solstice	Florasulam (7.5 g max FOM)	Galaxy	Clopyralid + florasulam + fluroxypyr (7.5 g max FOM)
Presite SX, Concert SX Harmony M SX Finish SX Chimera SX Avro SX Accurate Extra	Metsulfuron-methyl + Thifensulfuron - methyl	Hunter, Hiker Starane, Vantage, GF-184 Starane XL Starane Gold	Florasulam + fluroxypyr (7.5 g max FOM)
Atlantis WG Pacifica	Mesosulfuron-methyl + iodosulfuron- methyl sodium	Broadway Star	Pyroxsulam + cloquintocet-mexyl + florasulam
Broadway Sunrise	Pyroxsulam + pendimethalin	Othello	Mesosulfuron-methyl + iodosulfuron-methyl sodium + Diflufenican
Bow, Lector Delta	Diflufenican + Florasulam	Bolt, Paramount Max	Tribenuron + Florasulam

Additional recommendations may be approved since label printing. For up to date details of compatible tank mixes please consult your Nufarm distributor or refer to the Nufarm website at <https://www2.nufarm.com/uk/>

Before using any tank-mixture, consult and comply with the recommendations for the partner product. When using ACCURATE in a tank-mix, always add ACCURATE to the spray tank first. Tank-mixes should be sprayed immediately and agitation maintained at all times.

## SPRAY TANK CLEAN-OUT

To avoid subsequent damage to crops other than cereals, thoroughly remove all traces of ACCURATE from spraying equipment immediately after spraying, using the following procedure:

1. Immediately after spraying, drain tank completely. Wash any contamination off the outside of the sprayer with clean water.
2. Rinse inside of 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 ALL CLEAR™ EXTRA. 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 boom and hoses and drain tank completely (if it is not possible to drain tank completely, repeat step 3 before going on).
4. Remove nozzles and filters and soak in a bucket containing 50ml ALL CLEAR™ EXTRA per 10 litres water.
5. Rinse tank again with clean water and flush at least one tenth of the tank volume through the boom and hoses. Drain tank completely.
6. For disposal of washings, follow the Code of Practice for the Safe Use of Pesticides on Farms and Holdings. Do not spray onto sensitive crops or land intended for planting with sensitive crops.

## **COMPANY ADVISORY INFORMATION**

This section is not part of the Product Label under the Plant Protection Products Regulations 2011. It provides additional advice on use of the product

### **ACKNOWLEDGMENTS**

ACCURATE® is a registered trademark.

### **CONDITIONS OF SUPPLY**

All goods supplied by us are of high grade and we believe them to be suitable but (as we cannot exercise any control over their mixing or use) all conditions and warranties, statutory or otherwise, as to the quality and fitness for any purpose of our goods are excluded, except in so far as such exclusion is prevented by law, and no responsibility will be accepted by us for any damage or injury whatsoever arising from their storage, handling, application or use.

This product is to be used only in accordance with the recommendations and instructions given on the labels provided with this pack. Use in any other circumstances is entirely at users risk.