

TOWER[®]

MAPP 16586

A herbicide for use against a range of broad-leaved weeds and certain grass weeds in winter and spring wheat, winter and spring barley, winter rye and winter triticale.

A suspension concentrate formulation containing 250 g/l (21.7% w/w) chlorotoluron, 40 g/l (3.5% w/w) diflufenican and 300 g/l (26.1% w/w) pendimethalin.

Contains pendimethalin and 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.



Scan for Safety Data Sheet or use weblink:
<http://goo.gl/DSv9ev>

FR R3.5.3 JUL19



Warning

Suspected of causing cancer.

Suspected of damaging the unborn child.

Very toxic to aquatic life with long lasting effects.

Contains pendimethalin and 1,2-benzisothiazol-3(2H)-one.

May produce an allergic reaction.

Keep out of reach of children.

Wear protective gloves.

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.

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S4924A/09

TOWER®

MAPP 16586

SHAKE WELL BEFORE USE

DIRECTIONS FOR USE:

full instructions in this leaflet.

Batch No.: see packaging

Adama Agricultural Solutions UK Ltd

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For advice on medical emergencies, fires or major spills telephone the National Chemical Emergency Centre on 01865 407333

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

OPEN HERE ►

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 when handling the concentrate and when handling contaminated surfaces.

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

TAKE OFF IMMEDIATELY all contaminated clothing.

WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.

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

IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible).

Environmental Protection

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 to surface water bodies in line with LERAP requirements.

To protect aquatic organisms, respect an unsprayed buffer zone to surface water bodies as specified for the crop. HORIZONTAL BOOM SPRAYERS MUST BE FITTED WITH THREE STAR DRIFT REDUCTION TECHNOLOGY. Low drift spraying equipment must be operated according to the specific conditions stated in the official three star rating for that equipment as published on the HSE Chemicals Regulation Division's website. Maintain three star operating conditions until 30 m from the top of the bank of any surface water bodies. DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within the distance specified for the crop

to the top of the bank of a static or flowing water body, or within 1 m of the top of a ditch which is dry at the time of application. Aim spray away from water. NOTE: BUFFER ZONES OF MORE THAN 5 M CANNOT BE REDUCED UNDER THE LOCAL ENVIRONMENT RISK ASSESSMENT FOR PESTICIDES (LERAP) SCHEME.

The statutory buffer zone must be maintained and the distance recorded in Section A of the LERAP record form. The LERAP record form must be kept available for three years. Extreme care must be taken to avoid spray drift onto non-crop plants outside of the target area.

Storage and Disposal

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

IMPORTANT INFORMATION

FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL HERBICIDE

Crops: Winter & spring wheat, winter & spring barley, winter rye and winter triticale.

Maximum individual dose (litres product/ha)

Maximum total dose

Maximum number of treatments (per crop)

Latest time of application

Aquatic buffer zone distance (metres)

Other specific restrictions

Full details are given in the information box within this leaflet.

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.

BK R3.5.3 JUL19

T4924B/09



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in winter and spring wheat, winter and spring barley, winter rye and winter triticale.**

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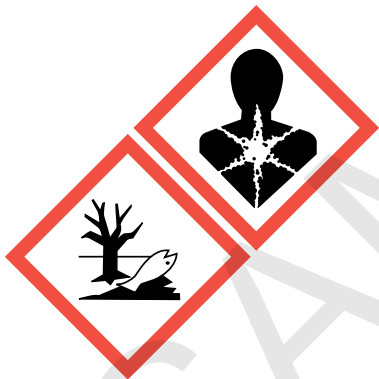
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Wear protective gloves.

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.**



IMPORTANT INFORMATION

FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL HERBICIDE

Crop	Maximum individual dose (litres product/ha)	Maximum total dose	Maximum No. of treatments (per crop)	Latest time of application	Aquatic buffer zone distance (metres)
Winter wheat, winter barley, winter rye and winter triticale	2.0	-	1	Before pseudostem (leaf sheath) erect stage	6
Spring wheat and spring barley	2.0	-	1	Before pseudostem (leaf sheath) erect stage	6

Other specific restrictions:

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

Substances containing the chlorotoluron active agent may not be applied more than once per year on the same area.

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To protect aquatic organisms, respect an unsprayed buffer zone to surface water bodies as specified for the crop. HORIZONTAL BOOM SPRAYERS MUST BE FITTED WITH THREE STAR DRIFT REDUCTION TECHNOLOGY. Low drift spraying equipment must be operated according to the specific conditions stated in the official three star rating for that equipment as published on the HSE Chemicals Regulation Division's website. Maintain three star operating conditions until 30 m from the top of the bank of any surface water bodies.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within the distance specified for the crop to the top of the bank of a static or flowing water body, or within 1 m of the top of a ditch which is dry at the time of application. Aim spray away from water. NOTE: BUFFER ZONES OF MORE THAN 5 M CANNOT BE REDUCED UNDER THE LOCAL ENVIRONMENT RISK ASSESSMENT FOR PESTICIDES (LERAP) SCHEME.

The statutory buffer zone must be maintained and the distance recorded in Section A of the LERAP record form. The LERAP record form must be kept available for three years.

Extreme care must be taken to avoid spray drift on to non-crop plants outside of the target area.

Storage and Disposal

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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 OR WARNINGS

Do not use if it is frosty.

Apply to crops that are healthy and not suffering stress from effects such as frost damage, if it is very dry or waterlogged, or a lack of nutrients.

Avoid overlapping spray swaths as this may lead to crop damage and reduced yields in unfavourable conditions.

DO NOT apply to soils with greater than 10% organic matter.

Prepare a firm fine seedbed for best results, with clods no more than fist size. The crop should be sown to the normal depth of 25 mm. It is important to ensure that the seed is well covered. Good weed control depends on burying and dispersing of any trash or burnt straw before or during seedbed preparation.

For best results apply to a moist seedbed. Do not apply to dry, cracked or waterlogged soils.

Do not use on sands (Soil Texture 85 System) or very stony or gravelly soils due to risk of crop damage.

Do not allow spray drift onto neighbouring crops. Effectiveness using three star drift reduction technology may be reduced.

Crops should not be re-entered until spray residues are dry.

RESISTANCE MANAGEMENT

Strains of some annual grasses, e.g. blackgrass, wild oats, and Italian ryegrass, have developed resistance to herbicides which may lead to poor control. A strategy for preventing and managing such resistance should be adopted. Guidelines have been produced by the Weed Resistance Action Group and copies are available from the HGCA, CPA, your distributor, crop adviser or product manufacturer.

WEEDS CONTROLLED

TOWER® is a suspension concentrate formulation used as a herbicide against annual dicotyledonous weeds and grasses in winter and spring wheat, winter rye, winter and spring barley and winter triticale. It is absorbed by the roots, shoots and leaves. The soil should be moist at the time of application to give improved efficacy.

TOWER will control the following weeds up to the 2 leaf stage when applied early post-emergence to the crop:

Susceptible

Annual meadowgrass	Field pansy
Loose silky-bent	Field penny-cress
Cleavers	Forget-me-not
Charlock	Mayweed spp
Common chickweed	Runch
Common fumitory	Shepherd's purse
Common poppy	Speedwell spp
Crane's-bill spp	Volunteer oilseed rape
Dead-nettle spp	

Moderately susceptible

Rough stalked meadowgrass

Moderately resistant

Blackgrass

Resistant

Perennial weeds
Couch grass
Wild oats

CROP SPECIFIC INFORMATION

Timing

Apply TOWER pre- or post-emergence up to before BBCH GS 30 (before leaf sheath erect stage) to winter wheat, winter barley, winter rye and winter triticale.

Apply TOWER pre- or post-emergence up to before BBCH GS 30 (before leaf sheath erect stage) to spring wheat and spring barley.

RATE OF USE

Apply TOWER at 2.0 L/ha in 150-300 L water/ha.

FOLLOWING CROPS

Following normal harvest, there are no restrictions. In the event of crop failure, plough before drilling the following crop in the spring. Only winter wheat can be re-drilled in the same autumn following crop failure.

Where diflufenican containing products are applied to successive cereal crops, levels of diflufenican will build up in the soil. Even with ploughing to 150 mm and thorough mixing of the soil, there may still be a risk of damage to following crops of onions, leeks, other allium crops and clover. As a precaution, users who rent out their land to growers of these crops should not use diflufenican containing products in successive years before renting out that land.

MIXING AND SPRAYING

Ensure the sprayer is clean and in good working order. Calibrate according to the sprayer manufacturers recommendations.

Half-fill the spray tank with clean water and begin agitation. Add the required quantity of TOWER to the tank and complete filling. Continue agitation until spraying is complete.

Do not leave the sprayer standing with the spray mixture in it for a long period of time.

Wash out the sprayer thoroughly after use, using a wetting agent or a proprietary tank cleaner.

Apply as a MEDIUM spray as defined by BCPC. Use a water volume of 150-300 L/ha.

DISCLAIMER/CONDITIONS OF SUPPLY

The specified properties of our products and the mode of application stated on this label have been established on the basis of research and experience. Products conform to specification at the time of delivery but, as we exercise no control over their subsequent storage, handling, mixing or use or the weather conditions before, during and after application, all of which may affect the performance of the products, no responsibility or liability will be accepted by us or our re-sellers for any failure in performance, damage or injury to person or property whatsoever arising from the storage, handling, application or use of the products. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in or make recommendations concerning the use of such products. We recommend you contact your dealer to request advice on the suitability of this product for any new and/or unusual growing methods or for new varieties not listed on this label.

Marketed by

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