

GORGON

(MAPP 17685)

A suspension concentrate containing 480 g/litre flufenacet for the pre- and early post-emergence control of specified grass and broad-leaved weeds in winter wheat and winter barley when used in specified tank mixtures.

WARNING



- HARMFUL IF SWALLOWED
- MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE
- VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

- Do not breathe spray
- Wear suitable protective gloves
- Do not eat, drink or smoke when using this product
- IF SWALLOWED: Call a POISON CENTRE or doctor/ physician if you feel unwell
- Collect spillage

- Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed empty 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.

RISK & SAFETY INFORMATION – 24 HOUR EMERGENCY NUMBER: +44(0)1763 212100

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use

SIPCAM UK LTD CONDITIONS OF SUPPLY - All good supplied by us are of high grade, but as we cannot exercise control over their mixing or use, all conditions or warranty, statutory or otherwise, as to the quality or fitness of our goods for any purpose are excluded and no responsibility will be accepted by us for any damage or injury whatsoever arising from their storage, handling, application or use.

Authorisation Holder & Marketing Company:

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Scan to view the
Safety Data Sheet

Alternatively, download the Safety Data Sheet from sipcamuk.co.uk or contact your supplier.

sipcamuk.co.uk



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HERBICIDE

IMPORTANT INFORMATION FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

Crops	Maximum individual dose: (L product/hectare)	Maximum total dose: (L product/hectare)	Maximum number of treatments	Latest time of application
Wheat (winter), Barley (winter)	0.5 L/ha	0.5L ha per crop	–	Until 31st December in year of planting and the following growth stages Winter wheat: Before GS23 (third tiller stage) Winter barley: Before GS 23 (third tiller stage)

OTHER RESTRICTION: DO NOT APPLY VIA HAND-HELD EQUIPMENT

**READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL
MAY BE AN OFFENCE. FOLLOW 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 when handling the concentrate or contaminated surfaces. DO NOT HANDLE TREATED CROPS for at least 2 days after treatment. 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.

IF YOU FEEL UNWELL seek medical advice (show the label if possible).

WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves. WASH HANDS before meals and after work.

Environmental Protection

To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies as specified for the crop.

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 waterbody, unless a Local Environmental Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1m 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 Environmental 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 inspection for three years.

TAKE EXTREME CARE TO AVOID DRIFT ONTO NON-TARGET PLANTS OUTSIDE OF THE TARGET AREA

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. Use appropriate containment to avoid environmental contamination.

Storage and Disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS. KEEP OUT OF REACH OF CHILDREN.

KEEP IN ORIGINAL CONTAINER tightly closed, in a safe place. DO NOT RE-USE CONTAINER for any purpose.

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. Keep dry and protect from frost in a suitable pesticide store. Protect from frost

Shake well before use



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

GORGON is a contact and residual herbicide for use in tank mix with diflufenican products (such as MAPP 12424/16027) or pendimethalin products (such as MAPP 13405) for the control of certain annual grass and broad-leaved weeds in winter wheat and winter barley.

GORGON may be applied at 0.5 l/ha pre-emergence or early post-emergence of the crop in tank mix with either 60 g ai/ ha diflufenican or 1200 gai/ha pendimethalin.

Apply GORGON in tank mix as recommended in the autumn until 31st December and before GS23 (third tiller stage) in winter wheat and winter barley. Best results will be obtained from pre-emergence or early post-emergence applications to weeds that have not yet emerged or have emerged and are rapidly growing but still at early growth stages.

Restrictions/Warnings

Carefully read and follow labels of the tank mix products.

EXTREME CARE MUST BE TAKEN TO AVOID SPRAY DRIFT to avoid damage to plants outside the target area.

DO NOT APPLY under windy conditions.

DO NOT APPLY PRE-Emergence for crops drilled after 30th of November

DO NOT ALLOW SPRAY SWATHS TO OVERLAP as crop damage may occur.

Do not apply to broadcast crops because of risk of crop damage.

Do not treat undersown cereals or those due to be undersown

Do not cultivate or disturb the soil after application.

Do not soil incorporate

Do not use on sands, very light soils or stony or gravelly soils (ADAS 85 classification), or on soils with more than 10% organic matter content as there is risk of crop damage

Do not use on any soil with poor or compacted soil structure or that is subject to waterlogging.

Seedbed preparation should include the even incorporation of trash and straw to a depth of 15cm for effective weed control. A reduced level of weed control may result if a prolonged dry period follows application. Weed control is likely to be unsatisfactory if application is made to dry cloddy seedbeds. Weed control may be reduced on soils with more than 6% organic matter

Under certain climatic conditions, some transient discolouration of the crop foliage may occur; which can be particularly severe if heavy rain falls soon after application. These transient symptoms are quickly outgrown and have no adverse effect on crop yield.

Do not apply to crops that are under stress from any cause including pest or disease attack, frost damage or nutrient deficiency.

Avoid making applications during prolonged or severe frosty conditions, as there is a risk of transitory crop damage from which the crop will normally recover.

Trace amounts of GORGON remaining in the sprayer after use can cause damage to other crops subsequently treated with the same equipment. Immediately after use thoroughly clean the sprayer and all equipment as detailed in the section "SPRAYER DECONTAMINATION".

Contract agents should be consulted before using on crops grown for seed.

Effects on processed crops have not been established. Consult processor before using GORGON on crops intended for processing.

APPLICATION

Before use, make sure the spraying equipment is cleaned from any previous use and that it is calibrated to apply the recommended spray volume and pressure. After use, make sure the sprayer and all equipment are thoroughly cleaned as detailed in the section "SPRAYER DECONTAMINATION".

Apply in 200-400 litres of water per hectare as a MEDIUM spray (BCPC). Use higher water volumes where the crop or the weed foliage is dense. Do not allow the spray boom to bounce or yaw, and ensure an even coverage of the weed foliage and soil surface. Leave a minimum of 14 days after application before applying another product.

MIXING

Half fill the sprayer tank with clean water and begin gentle agitation. Add the required quantity of product into the sprayer tank and allow to disperse fully. Rinse the empty containers thoroughly by using an integrated pressure rinsing device or manually rinsing three times. Add the washings to the sprayer and continue agitation whilst topping up the tank with water to the required level. Continue agitation until the mix is sprayed out. Spray immediately after mixing, do not allow the mixture to stand in the sprayer. When using tank-mixes follow any specified order of addition on the partner product label(s).

SOIL CONDITIONS

Apply to moist level seedbeds that are of a fine tilth and free from clods. Loose or puffy seedbeds should be consolidated by rolling or other cultivations prior to application. Good weed control depends on the removal of trash from a previous crop and adequate soil moisture.

The seed should be covered by at least 3-4 cm of soil to ensure adequate crop safety. Where a crop has been direct drilled, the drill slits must be closed by harrowing across the direction of drilling prior to application. Where direct drilled crops are treated then ploughing and cultivating to a depth of 15 cm must take place before the planting of any subsequent crop. Shallow drilled crops should only be treated post-emergence. Do not apply to broadcast crops.

SPRAYER DECONTAMINATION

Follow guidance of tank mix partner: Trace amounts of GORGON remaining in the sprayer after use can cause damage to other crops subsequently treated with the same equipment. Immediately after use, thoroughly clean the sprayer and all equipment with a proprietary detergent cleaner. It is essential that all nozzles, filters, tubing, strainers, pumps and the spray tank are thoroughly cleaned after use to avoid the risk of damage to crops subsequently treated with the same equipment. Spray equipment should not be drained or flushed onto land planted with or intended for planting with trees or crops other than oilseed rape, beans and peas.

COMPATIBILITY

For up-to-date details of compatible tank-mixes, contact your supplier or local Sipcam representative.

WEEDS CONTROLLED

Apply GORGON at 0.5 litres per hectare in tank mix with EL-THER diflufenican products (such as MAPP 12424/16027) OR in tank mix with pendimethalin products (such as MAPP 13405).

Best results will be obtained in moist soil conditions and if rain falls within 7 days after application. Residual control may be reduced if there is a prolonged period of dry conditions as soil moisture is required for product activation.

Speed of control will be best with favorite growing conditions. Applications of GORGON in recommended tank mixes will not control perennial grass or broad leaf weeds developing from rootstocks.

Follow the label recommendations of the partner product when using any tank-mix.

GORGON in Tank Mix with 60 g ai/ha diflufenican



WEED CONTROL

GORGON in Tank Mix with 60 gai/ha diflufenican (such as MAPP 12424/16027)

The below listed weeds germinating from seed are controlled at the growth stages indicated by an application of GORGON at 0.5 litres per hectare in tank mix with with 60 gai/ha diflufenican.

Weed	Application Pre-emergence of Weeds		Application Post-emergence of Weeds
	Susceptibility	Susceptibility	Maximum Growth Stage Controlled or Size
Annual meadow-grass	S	S	3 leaf and 1 tiller stage
Black-grass	MS	MS	3 leaf stage
Cleavers	MR	MR	1 whorl
Common chickweed	S	S	5 cm
Common field speedwell	S	S	4 leaf stage
Field pansy	S	S	4 leaf stage
Ivy-leaved speedwell	MR	-	-
Mayweeds	S	S	2 leaf stage
Field forget-me-not	S	-	-
Groundsel	S	-	-
Red dead-nettle	S	-	-
Loose silky bent	-	S	1 leaf stage



WEED CONTROL

GORGON in Tank Mix with 1200 gai/ha pendimethalin (such as MAPP 13405).

The below listed weeds germinating from seed are controlled at the growth stages indicated by an application of GORGON at 0.5 litres per hectare in tank mix with 1200 gai/ha pendimethalin (such as MAPP 13405).

Weed	Application Pre-emergence of Weeds		Application Post-emergence of Weeds
	Susceptibility	Susceptibility	Maximum Growth Stage Controlled or Size
Annual meadow-grass	S	S	1 tiller stage
Black-grass	S	S	2 leaf stage
Cleavers	MS	MS	Cotyledon stage
Common chickweed	S	S	5 cm
Common field speedwell	S	-	-
Field pansy	MS	S	2 leaf stage
Ivy-leaved speedwell	S	-	-
Mayweeds	MS	MS	Cotyledon stage
Field forget-me-not	MS	-	-
Italian ryegrass	S	-	-
Perennial ryegrass	S	-	-
Knotgrass	MS	-	-
Hemp nettle	S	-	-
Fat hen	MS	-	-
Common orache	MS	-	-
Common poppy	S	-	-
Corn marigold	S	-	-
Shepherd's purse	S	-	-
Loose silky bent	S	S	1 leaf stage
Red dead-nettle	S	-	-
Henbit dead-nettle	S	-	-
Smooth sowthistle	MS	-	-
Rough meadow-grass	S	-	-
Sterile brome	MS	-	-
Parsley-piert	S	-	-
Scarlet pimpernel	S	-	-

* Black-grass is moderately susceptible pre-emergence on the following soil types: sandy clays, clays and silty clays (ADAS 85 classification)



WEED CONTROL

GORGON in Tank Mix with 600 gai/ha pendimethalin (such as MAPP 13405).

The below listed weeds germinating from seed are controlled at the growth stages indicated by an application of GORGON at 0.25 litres per hectare in tank mix with 600 gai/ha pendimethalin (such as MAPP 13405).

Weed	Application Pre-emergence of Weeds		Application Post-emergence of Weeds
	Susceptibility	Susceptibility	Maximum Growth Stage Controlled
Annual meadow-grass	S	S	Up to 2 true leaves
Common chickweed	S	S	Up to 2 true leaves
Common field speedwell	S	S	Up to 2 true leaves
Field pansy	MS	MS	Up to 2 true leaves
Ivy-leaved speedwell	S	S	Up to 2 true leaves
Common Poppy	S	S	Up to 2 true leaves
Red dead-nettle	S	S	Up to 2 true leaves

This mixture is not recommended for the post-emergence control of weeds on the following soil types: sandy clays, clays and silty clays (ADAS 85 classification)

Resistance management

There is a moderate risk for the development of weed resistance to GORGON. Strains of some annual weeds (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. This should include integrating herbicides with a programme of cultural control measures and alternating the use of GORGON, with other herbicides with a different mode of action and a similar spectrum of activity. Guidelines have been produced by the Weed Resistance Action Group and copies are available from the HGCA, CPA, your distributor or crop adviser. Implement a weed resistance strategy based on Good

Agricultural Practice and including the following:
WRAG guidelines for preventing and managing herbicide resistant weeds need to be followed.
DO NOT use GORGON in tank mix with diflufenican or pendimethalin as a stand-alone treatment against black-grass.

Use only in sequence with other herbicides approved for use against black-grass and with alternative modes of action. DO NOT use GORGON in tank mix with diflufenican or pendimethalin as the sole means of weed control in successive crops. Throughout a cropping rotation, ALWAYS use grass and broad leaf weed herbicides with alternative mode of actions. Follow the label recommendations.

Adopt complementary weed control practices: optimized weed control in other crops of rotation, plough, optimized drill timing, optimized seed bed...
Minimise the risk of spreading weed infestations.
Implement good spraying practice to maintain effective weed control.

Use the correct spray nozzles to maximise coverage.
Apply only under appropriate weather conditions.
Monitor fields regularly and investigate the reasons for any poor control.

FOLLOWING CROPS

After normal harvest of any crop treated with GORGON in tank mix with diflufenican or pendimethalin products, the following crops may be established as follows:

Following crops	15 cm deep plough OR cultivate with thorough soil mixing	15 cm deep plough with thorough soil mixing	No specific conditions (1)
Tank mix with diflufenican			
Oil seed rape, field beans, edible brassicas	YES		
Peas, sugar beet, carrots, onions		YES	
Wheat, barley, potatoes			YES
Tank mix with pendimethalin			
Wheat, barley, potatoes, peas			YES
All other crops		YES	

(1) Even where ploughing or cultivation is carried out there is still a risk of damage to following crops of onions, leeks and related species or clover. General restriction for tank mixes with diflufenican based products: diflufenican levels might build up in the soil in case of applications in successive cereal crops. Except for cereals or potato, ploughing and deep soil mixing must be done before establishment of the next crop. – See label advice of the tank mix partner.

FAILED CROPS

If a crop treated with GORGON should fail for any reason, follow the instructions below according to the tank-mix partner product used.

To replace failed crops treated with GORGON in tank with authorized formulations containing only diflufenican, ploughing to at least 15 cm deep and so only, wheat, barley or potatoes. Before sowing spring wheat or spring barley, allow at least 12 weeks from date of treatment.

To replace failed crops treated by GORGON in tank with authorized formulations containing only pendimethalin, plough to at least 15 cm deep and sow only wheat, barley, peas or potatoes,