

# OMAHA<sup>®</sup> 2

GROUP 12 | 3 HERBICIDE

MAPP 16846

A residual herbicide for the control of annual meadowgrass and broad-leaved weeds in winter and spring barley, winter and spring wheat, winter rye and triticale.

A suspension concentrate formulation containing 40 g/l (3.6% w/w) diflufenican and 400 g/l (35.6% w/w) pendimethalin.



Scan for Safety Data Sheet or use weblink:  
<https://bit.ly/2KcMSnE>

FR R3; 2.7 APR21



## Warning

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

**Contains pendimethalin. May produce an allergic reaction.**

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

Keep out of reach of children.

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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# OMAHA<sup>®</sup> 2

## MAPP 16846

### SHAKE WELL BEFORE USE

### PROTECT FROM FROST

### DIRECTIONS FOR USE:

full instructions in this leaflet.

Batch No.: see packaging

**Adama Agricultural Solutions UK Ltd**

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**Telephone:** 01635 860555 | **Technical Helpline:** 01635 876622

**www.adama.com | ukenquiries@adama.com**

**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 or 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.

**WASH CONCENTRATE FROM skin or eyes immediately.**

**AVOID ALL CONTACT BY MOUTH.**

**WASH HANDS AND EXPOSED SKIN**

before eating, drinking or smoking and after work.

**WHEN USING, DO NOT EAT, DRINK OR SMOKE.**

**DO NOT BREATHE SPRAY.**

**IF YOU FEEL UNWELL,** seek medical advice (show this 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.

When used on crops with a greater than 5 m aquatic buffer zone, this product must not be applied via hand-held equipment.

### Storage and Disposal

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

**KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.**

**KEEP OUT OF REACH OF CHILDREN.**

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

**DO NOT RE-USE CONTAINER** for any purpose.

## 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 (L product/ha)**

**Maximum number of treatments (per crop)**

**Latest time of application**

**Aquatic buffer zone distance (metres)**

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 R3.2.7 APR21

S5113A/8



## This leaflet is part of the approved label.

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

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**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

Crops	Maximum individual dose (L product/ha)	Maximum number of treatments (per crop)	Latest time of application	Aquatic buffer zone distance (metres)
Winter barley, winter wheat,	2.5	1	Before leaf sheaf erect stage (GS 30)	6
Winter rye, winter triticale	2.5	1	Up to 4 true leaves (GS 14)	6
Spring barley, spring wheat	2.5	1	Before leaf sheaf erect stage (GS 30)	6

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# SAFETY PRECAUTIONS

## Operator Protection

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WEAR SUITABLE PROTECTIVE GLOVES when handling the concentrate or 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. WASH CONCENTRATE FROM skin or eyes immediately. AVOID ALL CONTACT BY MOUTH.

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

WHEN USING, DO NOT EAT, DRINK OR SMOKE.

DO NOT BREATHE SPRAY.

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## 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.

When used on crops with a greater than 5 m aquatic buffer zone, this product must not be applied via hand-held equipment.

## Storage and Disposal

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

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.

KEEP OUT OF REACH OF CHILDREN.

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

DO NOT RE-USE CONTAINER 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.

OMAHA<sup>®</sup> 2 is a selective herbicide for use pre- and post-crop emergence in winter and spring barley, winter and spring wheat, winter rye and triticale. The product is taken up by germinating seedlings through the shoot and partially by the roots, with little translocation in larger plants.

## RESTRICTIONS OR WARNINGS

DO NOT apply pre-emergence to winter crops drilled after 20th November.

DO NOT apply if crop is stressed due to waterlogging, drought, nutrient deficiency, pest infestation etc.

DO NOT apply during prolonged periods of frosty weather. Frost following application may cause crop damage.

DO NOT apply if heavy rain is expected within 4 hours.

DO NOT overlap spray swaths.

Crops may suffer some transient damage such as bleaching which is normally outgrown without affecting yield.

DO NOT direct drill autumn sown broad-leaved crops following application of OMAHA 2 in the previous crop.  
DO NOT treat broadcast crops.  
DO NOT roll autumn treated crops until the spring.  
DO NOT harrow the crop at any time following application.  
DO NOT apply to soils with greater than 10% organic matter.  
DO NOT treat under-sown cereals or those due to be under-sown.  
See 'Following Crops' section for further information.  
DO NOT soil incorporate.  
Do not disturb the soil after OMAHA 2 has been applied.  
Extreme care should be taken to avoid damage by drift onto plants outside the target area.  
Effectiveness using three star drift reduction technology may be reduced.  
Crops should not be re-entered until spray residues are dry.

## **RESISTANCE**

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 advisor or product manufacturer.

OMAHA 2 contains two active ingredients with different modes of action. OMAHA 2 contains diflufenican a group 12 herbicide, and pendimethalin, a Group 3 herbicide based on the mode of action classification system of the Herbicide Resistance Action Committee.

Repeated use of herbicides with the same mode of action can increase the risk of strains of weeds developing resistance to these compounds, leading to poor control. In order to minimise the risk, a strategy for preventing and managing such resistance should be adopted.

Growers are advised to apply products containing herbicides with different modes of action in sequence or tank-mix where two or more components are active against the target weeds.

Use the recommended rate of OMAHA 2 and the correct application timing. The above should be used in conjunction with effective cropping rotation and cultivation techniques e.g. stale seedbed, cultivation and use of a non-selective herbicide prior to drilling. Further guidance on weed resistance management is available from the Herbicide Resistance Action Committee (HRAC) and Weed Resistance Action Group (WRAG). Follow WRAG Guidelines.

## WEED CONTROL

Application should be made pre- or early post-emergence of the weeds. The weed susceptibilities are shown below.

Weed	Pre-emergence	Post-emergence (up to 1 true leaf stage)	
	2.5 L/ha	2.0 L/ha	2.5 L/ha
Annual meadowgrass	S	-	-
Black-bindweed	S	MR	MS
Cleavers	S	MS	S
Common chickweed	S	S	S
Common poppy	MS	S	S
Field pansy	S	S	S
Field penny-cress	S	-	-
Mayweeds	S	MS	S
Red dead-nettle	S	S	S
Redshank	S	S	S
Shepherd's purse	S	S	S
Loose silky-bent	S	MS	S
Smooth sowthistle	MS	-	-
Speedwell	S	S	S
Volunteer oilseed rape*	S	-	-

\* Deep germinating volunteer oilseed rape may not be controlled.

## CROP SPECIFIC INFORMATION

OMAHA 2 can be used on all varieties of winter and spring barley, winter and spring wheat, winter rye and triticale.

Do not treat undersown cereals or those due to be undersown.

## TIMING

In winter and spring barley and winter and spring wheat apply anytime from pre-emergence of the crop up to before leaf sheath erect stage (GS 30).

In winter rye and triticale apply anytime from pre-emergence of the crop up to 4 true leaves (GS 14).

## RATE OF USE

Apply OMAHA 2 at 2.5 L/ha in 150-200 L water/ha. Ensure a good coverage of soil. Only one application of OMAHA 2 may be made to the crop.

## SOIL CONDITION

Prepare a firm fine seedbed for best results, with clods no more than fist size. The crop should be sown to a depth of 32 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.

Residual control may be reduced, under prolonged dry conditions, on soils with a high Kd factor, where organic matter exceeds 6% or where ash content is high.

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

Do not use on sands (Soil Texture [B5] System) or very stony or gravelly soils due to risk of crop damage.

## **FOLLOWING CROPS**

Plough to 150 mm and thoroughly mix the soil before drilling or planting any following crops (either after crop failure or normal harvest).

**CROP FAILURE:** If a crop fails for any reason, only re-drill with winter wheat or winter barley, after ploughing. A period of 5 months must lapse after ploughing before spring crops of wheat, barley, peas, field beans, carrots or edible brassicas may be drilled. Before ryegrass is drilled after a very dry season, plough or cultivate to at least 15 cm.

**NORMAL HARVEST:** In the autumn following normal harvest, and after at least 2 months have lapsed, only drill winter cereals, oilseed rape, field beans, and leaf brassicas. In the spring following normal harvest, the spring crops listed above (under CROP FAILURE) can be drilled. Before red beet, sugar beet or spinach may be drilled a minimum of a 12 month interval must elapse since application.

Occasionally seedlings of brassica crops may exhibit slight discoloration of the cotyledons, which is normally outgrown without affecting subsequent growth.

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 manufacturer's recommendations.

Half-fill the spray tank with clean water and begin agitation. Add the required quantity of OMAHA 2 to the tank and complete filling. Continue agitation until spraying is complete.

Triple rinse product container and add washings to sprayer tank.

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 150-200 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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