

# ROCKET®

MAPP 17093

A residual herbicide for the control of broad-leaved weeds and annual meadowgrass in winter oilseed rape.

A suspension concentrate formulation containing 375 g/l (32.9% w/w) metazachlor and 125 g/l (10.9% w/w) quinmerac.

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



ADAMA



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

FR R3.0.2 AUG19



## Warning

**Suspected of causing cancer.**

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

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

Keep out of reach of children.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves.

If exposed or concerned: get medical advice/attention.

Store locked up.

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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# ROCKET®

## MAPP 17093

### SHAKE WELL BEFORE USE

#### DIRECTIONS FOR USE:

full instructions in this leaflet.

Batch No.: see packaging

**Adama Agricultural Solutions UK Ltd**

Third Floor East, 1410 Arlington Business Park, Theale, Reading RG7 4SA

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

### 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.

**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 1 m of the top of a ditch which is dry at the time of application.

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 the HSE'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. 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.

## IMPORTANT INFORMATION

FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL HERBICIDE

Crop	Maximum individual dose (L product/ha)	Maximum number of applications	Latest time of application
Winter oilseed rape	2.0	1	Up to 4 leaf stage (BBCH 14) and before end of January in the year of harvest

### Other specific restrictions:

A maximum total dose of not more than 1000 g metazachlor per hectare may be applied in a three year period on the same field.

**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 R3.0.2.AUG19

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## This leaflet is part of the approved label.

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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.

ROCKET® is a suspension concentrate formulation containing metazachlor and quinmerac for use as a residual herbicide in all varieties of winter oilseed rape. It is primarily taken up by the roots but also has some leaf uptake.

ROCKET is recommended as a pre- and post-emergence herbicide.

Post-emergence application is advised where it is not possible to make pre-emergence applications due to light or stony soils, those with organic matter content higher than 10%, adverse weather conditions, poor seedbed preparation or missed timing of crop.

### RESTRICTIONS OR WARNINGS

When ROCKET is used pre-emergence it is important to ensure the herbicide does not come into contact with the crop seed by drilling the seed to a depth of 15mm and ensuring it is well covered by soil before spraying.

Do not use pre-emergence on broadcast crops. Loose or puffy seedbeds should be consolidated before treatment. Seedbeds should be moist, firm and free from clods.

Adequate moisture is required for good weed control. Do not apply pre-emergence shortly before heavy rainfall is forecast since this can reduce crop vigour, weed control and possibly plant stand. This will normally be outgrown.

Do not apply under adverse weather conditions. Some damage may occur, especially on brashy or stony soils. This will normally be outgrown.

Do not treat crops which are suffering from stress.

Do not apply to crops with a compaction layer or to poorly drained soils since damage can occur under waterlogged conditions.

Do not overlap spray swaths.

Avoid drift onto neighbouring crops.

ROCKET is suitable for use on all soil types as defined by Soil Texture (85) System, except sands, very light soils and soils containing more than 10% organic matter.

Under frosty conditions a transient scorch may occur. On clay soils create a fine, consolidated seedbed to slow the downward movement of water.

Do not apply ROCKET to dry soils. Moist soils have fewer and smaller cracks.

Do not apply ROCKET if heavy rain is forecast, wait until after the event.

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

### RESISTANCE

ROCKET contains two active ingredients with different modes of action and therefore the risk of resistance building up is reduced. ROCKET contains metazachlor, a Group K3 herbicide and quinmerac, a Group O based on the mode of action classification system of the Herbicide Resistance Action Committee.

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

### Pre-emergence

#### Susceptible

Annual meadowgrass  
Blackgrass  
Cleavers  
Common chickweed

Common poppy  
Field forget-me-not  
Common field-speedwell  
Common groundsel

Mayweed spp  
Parsley-piert  
Red dead-nettle  
Shepherd's purse

#### Moderately resistant

Cut-leaved Crane's-bill

### Resistant

Field pansy

Weeds germinating from depth may not be controlled.

### Post-emergence – max growth stage

Annual meadowgrass	Pre-em	Common field-speedwell	2 leaves
Blackgrass	Pre-em	Common groundsel	Pre-em
Cleavers	2 whorls	Mayweed spp	4 leaves
Common chickweed	Cotyledon	Field pansy	-
Common poppy	2 leaves	Parsley-piert	Pre-em
Cut-leaved Crane's-bill	-	Red dead-nettle	Cotyledon (MS)
Field forget-me-not	Pre-em	Shepherd's purse	Pre-em

## CROP SPECIFIC INFORMATION

ROCKET can be used on all varieties of winter oilseed rape.

### Timing

May be applied pre- or post-emergence of the crop up to 4 leaf stage (BBCH 14) and before end of January in year of harvest. Best weed control is achieved when applied pre-emergence of the weeds. The soil should be moist at time of application or rainfall should fall shortly afterwards.

### Pre-crop emergence

Applications should be made before the crop seed chits, under warm moist conditions this may occur within 48 hours of drilling.

### Post-crop emergence

Applications can be made from when the majority of the crop has two fully expanded cotyledons until 4 leaves (BBCH 14) and before the end of January in year of harvest.

## RATE OF USE

Apply at 2.0 L/ha in 150-250 L water/ha.

## COMPANY ADVISORY INFORMATION

This section is not part of the Product Label under Regulation (EC) 1107/2009 and provides additional advice on product use.



OSR Herbicides?  
**Think Water**

This product contains **metazachlor** plus **quinmerac** and is therefore included in the 'OSR Herbicides? **Think Water**' stewardship campaign. Particular care is needed when using in **Surface Water Drinking Water Safeguard Zones**:-

- **Do not use** after 30 September on drained fields, including mole-drained.

In other areas:-

- **Avoid use** after 15 October on drained fields, including mole-drained.

For further information, see [www.adama.com](http://www.adama.com) and [www.voluntaryinitiative.org.uk](http://www.voluntaryinitiative.org.uk) or contact Adama on 01635 876622.

### FOLLOWING CROPS

Any crop can be planted after normal harvesting of a crop treated with ROCKET. Ploughing is not required.

Where the crop fails in the autumn or winter, oilseed rape may be re-drilled immediately, providing the soil is ploughed, otherwise a minimum interval of 30 days is required after minimum cultivations.

Cereals may be drilled after ploughing providing 2 months have elapsed, otherwise 3 months should elapse if the field has minimum cultivations.

In the spring following crop failure, oilseed rape, cereals, sugar beet, maize, peas, potatoes and other crops including forage crops can be sown.

### MIXING AND SPRAYING

Shake well before use.

Half-fill the spray tank with clean water and begin agitation.

Add the required quantity of ROCKET and add the remainder of the water.

On emptying the container, 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 container safely.

Continue agitation until spraying is completed. Wash out sprayer thoroughly after use.

Apply as a MEDIUM spray as defined by BCPC.

### 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.

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