

ADAMA



Afalon[®]



MAPP 14187

A suspension concentrate containing 450 g/l (37.6% w/w) linuron.

A herbicide for the control of annual meadowgrass and broad-leaved weeds in potatoes, carrots, parsnips, parsley, combining peas and field beans.

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



Danger

Suspected of causing cancer. May damage the unborn child. Suspected of damaging fertility. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects. Contains 1,2-benzisothiazolin-3-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one. May produce an allergic reaction.

Keep out of reach of children.
Obtain special instructions before use.
Do not breathe vapours/spray.
Wear protective gloves/protective clothing/eye protection/face protection.
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.

ADAMA AGRICULTURAL SOLUTIONS UK LTD

Unit 15, Thatcham Business Village, Colthrop Way, Thatcham, Berkshire, RG19 4LW
Telephone: (01635) 860555 Technical Helpline: (01635) 876622

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

Batch No: see packaging

**SHAKE WELL BEFORE USE
PROTECT FROM FROST**

5 litres e

To access the Safety Data Sheet for this product scan the QR code or use the weblink: <http://goo.gl/5HBrQ0> – Alternatively, contact your supplier.

Scan for
Safety Data
Sheet



FR 51777A12 R3.0. 5JUL15

This leaflet/booklet is part of the approved label.

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the National Chemical Emergency Centre on 01865 407333

IMPORTANT INFORMATION

FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL AND HORTICULTURAL HERBICIDE

Crop/situation	Maximum individual dose (product/ha)	Maximum total dose (product/ha/year)	Latest time of application
Potatoes (outdoor)	1.35 litres	1.35 litres	Before crop emergence
Parsley (outdoor)	1.35 litres	1.35 litres	90 days before harvest
Carrot and parsnips (outdoor)	1.35 litres	1.35 litres	50 days before harvest
Combining peas (spring) and field beans (spring)	1.35 litres	1.35 litres	Pre-crop emergence

Other specific restrictions:

Do not apply by hand-held sprayer.

The maximum concentration must not exceed 1.35 litres of product per 300 litres of spray solution.

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

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 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 CONCENTRATE from skin or eyes immediately.
WASH HANDS AND EXPOSED SKIN before meals and after work.

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 5m of the top of the bank of a static or flowing water body, unless a Local Environment 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 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 HSE'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.

Storage and Disposal

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

EMPTY CONTAINER THOROUGHLY and dispose of safely. Store in a safe dry place designated as an agrochemical store.

DIRECTIONS FOR USE

IMPORTANT: This leaflet is approved as part of the label. All instructions on this leaflet and on the label should be read carefully in order to obtain successful results from the use of this product.

RESTRICTIONS

Weather

The effectiveness of AFALON® may be reduced under dry conditions. Ideally, the soil should be moist at application and there should be rainfall afterwards. Avoid uneven distribution over potato ridges and DO NOT spray in windy conditions to prevent patchy weed control and drift onto other crops. Where contact action is required, do not apply when the foliage is wet or when rain is imminent.

Soils

Use on all soil types, except very light soils and sands. Residual action will be reduced on fen and peat soils. Ensure seedbeds are firm, with clods no greater than fist size.

Crops under polythene

Use pre-emergence **only**. Under such conditions residual activity may be reduced and weed control may not be optimal. It is important that soil moisture is conserved and polythene should be laid down as soon as possible after spraying.

Potatoes

Plant in a well prepared seedbed. A well rounded ridge is essential for effective weed control and to avoid greening of tubers. Re-ridging should follow planting if the original ridge is unsatisfactory.

Carrots, parsnips and parsley

Drill into a fine seedbed at an even depth of at least 1.25cm.

Combining peas and field beans

CONSULT PROCESSORS BEFORE USING ON CROPS GROWN FOR PROCESSING.

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 to be resistant to a herbicide if it survives a correctly applied treatment at the recommended dose. A strategy for preventing and managing such resistance should be adopted. This should include integrating herbicides with a programme of cultural control measures. 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.

WEED CONTROL

	Pre-emergence only	Post-emergence at the seedling (2 true leaf stage)
Annual meadowgrass	R	-
Black-bindweed	MR	MR
Black nightshade	MS	S*
Charlock	-	S*
Cleavers	R	-
Common chickweed	S	S
Common hemp-nettle	S*	-
Common orache	S	-
Common poppy	S*	-
Common sowthistle	S*	-
Fat-hen	S	S
Field forget-me-not	S	-
Field pansy	-	R
Field penny-cress	S	S
Gallant soldier	R	MS
Groundsel	-	S
Knotgrass	R	R
Mayweed spp	S	-
Pale persicaria	MR	S*
Red dead-nettle	MR	MS
Redshank	-	S*
Scarlet pimpernel	S*	S*
Shepherd's purse	S	S
Small nettle	S	S*
Wild radish	-	S*

- No data available * Based on limited data

CROP SPECIFIC INFORMATION

Crops

Early and maincrop potatoes

Carrots

Parsnips

Parsley

Combining peas and field beans

Carrots, parsnips, parsley

Soil Type	Dose Rate (litres per hectare)	Pre-crop Emergence	Post-crop Emergence
Light	1.35	Within 4 days after drilling	As soon as weeds appear but not until the crop has reached the first 'rough' leaf stage.
Medium	1.35		
High Organic* Fen and Peat*	1.35	Before crop emergence and preferably before weed emergence	

Pre-emergence applications should be made after drilling, but before crop or weed emergence.

Post-emergence applications should be made as soon as weeds appear, providing the crop has reached the first 'rough' leaf stage.

- * Carrots may be sprayed any time after drilling irrespective of crop growth stage and preferably at weed emergence.

Potatoes

Rate of use for all soils: 1.35 litres product/ha.

- * Before spraying very light soils, consult your distributor.
- ** Fen and peat soils - apply post-weed emergence in the seedling stage but before crop emergence. Susceptible emerged weeds will be controlled (see 'Weeds').

Combining peas and field beans

Apply after sowing the crop but before crop emergence at a rate of 1.35 L/ha.

Number of treatments

- Potatoes - one per crop
- Carrots, parsnips and parsley - two per crop
- Combining peas and field beans - one per crop

Latest time of application

Potatoes – pre-emergence.

Carrots and parsnips – 50 days before harvest.

Parsley – 90 days before harvest.

Combining peas and field beans – pre-crop emergence.

MIXING AND APPLICATION

Conventional volume

- Volume: 300 litres of water/ha
- Spray quality: MEDIUM or COARSE pre-emergence.
MEDIUM post-emergence

SHAKE WELL BEFORE USE. Half-fill the spray tank with clean water and begin agitation. Add the required quantity of AFALON to the tank. Complete filling and continue agitation until spraying is completed. When emptying containers, wash out and add the washings to the sprayer. Take particular care to thoroughly shake the contents of partly used containers. Do not leave the sprayer standing with chemical in it. After spraying, thoroughly wash out spray tank.

Ensure that the sprayer is correctly calibrated and the boom height adjusted for complete even cover of the ground and, where applicable, the weeds. Avoid overlapping of swaths.

COMPATIBILITY

All the requirements or restrictions on other product labels must be adhered to when tank-mixing with AFALON. Continuous agitation must be maintained.

AFALON is compatible with the following:

Shotput®

Always read the label of the partner product carefully before use.

FOLLOWING CROPS

In the event of crop failure maize, cereals, potatoes, fennel, carrots, parsnips and parsley may be planted at any time. Field beans and combining peas may be planted 2 months at the earliest after application of AFALON. Brassica crops may be grown from transplants from 3 months after application. Brassica crops grown from seed and allium crops may be grown at least 6 months following application of AFALON. Prior to planting any crop, soil should be ploughed and cultivated to a minimum depth of 25cm. Lettuce is particularly susceptible and should not be sown in the same season.

Take extreme care to avoid spray drift onto emerged neighbouring crops and those yet to emerge, especially allium crops, sugar beet and brassica crops.

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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