

ADAMA
ESSENTIALS

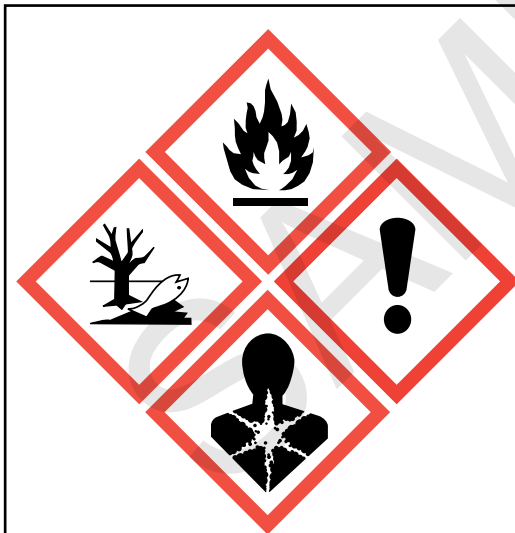
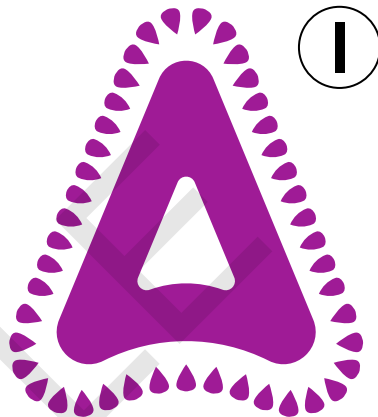
Gandalf™

MAPP 12865
beta-cyfluthrin 25 g/l

An emulsifiable concentrate pyrethroid insecticide for use against biting and sucking insects in agricultural and horticultural crops.

Contains 25 g/litre (2.76% w/w) beta-cyfluthrin.

Also contains hydrocarbons, C10 aromatics, <1% naphthalene.



Danger

Flammable liquid and vapour.

Harmful if inhaled.

Harmful if swallowed.

Causes serious eye irritation.

May cause an allergic skin reaction.

May be fatal if swallowed and enters airways.

May cause drowsiness or dizziness.

Very toxic to aquatic life with long lasting effects.

Repeated exposure may cause skin dryness or cracking.

Keep out of reach of children.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Take precautionary measures against static discharge.

Avoid breathing vapours or spray.

Do not eat, drink or smoke when using this product. Wear protective clothing, gloves and eye protection/face protection.

IF ON SKIN: wash with plenty of water and soap.

IF INHALED: remove person to fresh air and keep comfortable for breathing.

IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Do NOT induce vomiting.

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.



Scan for
Safety Data
Sheet

1 litre e

To access the Safety Data Sheet for this product scan the QR code or use the weblink: <http://goo.gl/SYBCV2> – Alternatively, contact your supplier.

This leaflet/booklet is part of the approved label.

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

IMPORTANT INFORMATION

FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL/HORTICULTURAL INSECTICIDE

Crops	Maximum individual dose (ml product/ha)	Maximum number of treatments (per crop)	Latest time of application
Wheat, barley, oats, rye and triticale	300	1	56 days before harvest
Sugar beet	300	1	28 days before harvest
Oilseed rape	300	2	56 days before harvest
Cabbage and cauliflower	300	2	7 days before harvest

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 CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACE SHIELD) when handling the concentrate.

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.

DO NOT BREATHE SPRAY.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

AFTER CONTACT WITH SKIN, WASH IMMEDIATELY with plenty of water.

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY with plenty of water and seek medical advice.

WASH HANDS AND EXPOSED SKIN before meals and after work.

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

Environmental Protection

DANGEROUS TO BEES. To protect bees and pollinating insects do not apply to crop plants when in flower.

Do not use where bees are actively foraging. Do not apply when flowering weeds are present.

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 non-target insects/arthropods, respect an unsprayed buffer zone of 5m to non-crop land.

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, or within 1m of the top of a ditch which is dry at the time of application. Direct spray away from water.

DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1m of the top of the bank of a static or flowing water body. Direct spray away from water.



THIS PRODUCT IS NOT ELIGIBLE FOR BUFFER ZONE REDUCTION UNDER THE LERAP HORIZONTAL BOOM SPRAYERS SCHEME.

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.

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

Environmental impact

GANDALF™ is classified as hazardous to bees unless applied to the respective crop after the daily bee flying period until 2300h. It may not be applied to blossoming plants or plants visited by bees outside this period; this also applies to pest weeds.

GANDALF is classified hazardous to populations of relevant beneficial organisms.

Resistance Management

Strains of some aphid species are resistant to many aphicides. Where aphids resistant to products containing beta-cyfluthrin occur, GANDALF is unlikely to give satisfactory control. Repeat treatments are likely to result in lower levels of control.

PESTS CONTROLLED AND CROP SPECIFIC INFORMATION

Crop	Pest	GANDALF Rate ml/ha	Number of treatments	Notes and Timing
Wheat, barley, oats, rye and triticale	Grain aphid, rose grain aphid, wheat blossom midge, <i>Oulema</i> spp	300	1	Apply when pests are seen or in response to specialist advice. Do not apply after flowering (GS 51).
Wheat, barley	Aphids as virus vectors: rose grain aphid	300	1	For cereals sown in September apply in mid October or when aphids are first seen. For cereals sown from October onwards apply if aphids are seen or in response to specialist advice.
Oilseed rape	Cabbage seed weevil	300	2	Apply during the flowering period when pests have reached threshold levels. Repeat at a 10-14 day interval.
	Cabbage stem weevil, cabbage stem flea beetle			Apply as soon as pest is seen or as advised by specialist advice.
	Brassica pod midge	300	1	
Sugar beet	<i>Aphis fabae</i>	300	1	Apply as soon as pest is seen or as advised by specialist advice.
Cauliflower and cabbage	Cabbage moth, small cabbage moth and peach potato aphid	300	2	Apply as soon as the pest or damage is first seen. Allow 10-14 days between applications.

MIXING AND APPLICATION

Half-fill the spray tank with clean water, add the required quantity of GANDALF and begin agitation. Maintain agitation until spraying is completed.

Only prepare the required quantity of GANDALF spray. Do not leave mixture in spray tank overnight.

WATER VOLUME

Apply in a minimum of 200 L/ha water. Increase volume where crop is dense to ensure good coverage of foliage.

TANK CLEANING

Clean spray tank hoses thoroughly with water and detergent before storing and using again.

COMPATIBILITY

GANDALF is compatible in tank-mix with a range of insecticides and fungicides. Contact Adama Agricultural Solutions UK Ltd for full details on compatibilities.

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

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.

Adama Agricultural Solutions UK Ltd

Unit 15, Thatcham Business Village
Colthrop Way, Thatcham, Berkshire RG19 4LW
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www.adama.com
Email: ukenquiries@adama.com

GANDALF™ is a trademark of a company of the Adama Group
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PROTECT FROM FROST

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

Batch No.: see packaging

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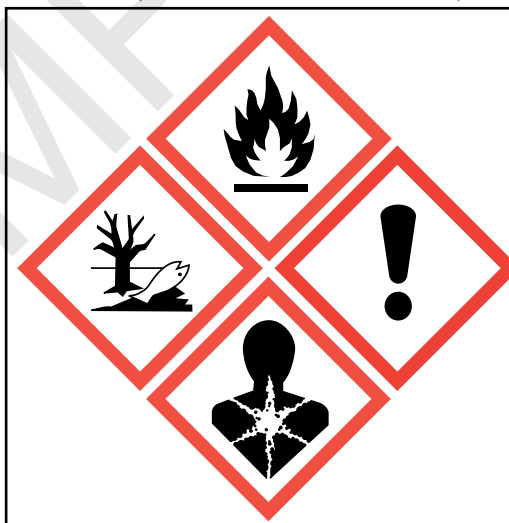
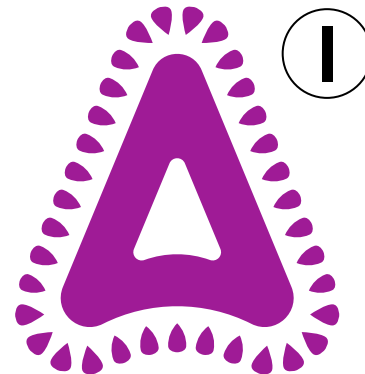
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