

FUSILADE FORTE

GROUP 1 HERBICIDE



MAPP 19019
PCS No. 05074

PEEL BACK FOR DIRECTIONS FOR USE LEAFLET

An emulsifiable concentrate formulation containing 150 g/l fluzafop-p-butyl.

A herbicide for post emergence control of annual and perennial grass-weeds and volunteer cereals in oilseed rape, fodder rape, linseed, mustard, poppy, sugar beet, fodder beet, combining peas, field beans and lupins.

Safety Information



WARNING

May cause an allergic skin reaction.

Suspected of damaging the unborn child.

Very toxic to aquatic life with long lasting effects.

Avoid breathing dust/fume/gas/mist/vapours/spray
Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

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

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Obtain special instructions before use.

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

If employed or concerned: Get medical advice/attention.

Store locked up.

Collect spillage.

Dispose of contents and container to a licensed hazardous waste disposal contractor or collection site except for empty tripartite containers which can be disposed of as non-hazardous waste.

Contains fluzafop-p-butyl.

May produce an allergic reaction.

To avoid risk to human health and the environment, comply with the instructions for use

MAPP 19019 PCS No. 05074
UFI No. Y3Q4-3855-GJA1-8JMG

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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) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate or when applying by hand held equipment

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection. – UK only

DO NOT EAT, DRINK OR SMOKE.

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 toxic contamination via drains from farmyards and roads.

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.

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washing to sprayer at time of filling and dispose of safely.

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

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PROTECT FROM FROST
FOR PROFESSIONAL USE ONLY

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 **Nufarm**
Grow a better tomorrow

**IMPORTANT INFORMATION
FOR USE ONLY AS A PROFESSIONAL HERBICIDE**

Crops	Maximum individual Dose (Litres product/hectare)	Maximum number of applications per crop	Latest time of application
Oilseed rape, fodder rape, poppy ¹ ,	1.6	1	Before flowering (BBCH 50) and at least 90 days before harvest
Linseed, Mustard ¹ ,	1.25	1	Before flowering (BBCH 50) and at least 90 days before harvest
Sugar beet, fodder beet	2.5	1	Before 50% ground cover and at least 56 days before harvest
Field beans, Combining peas, lupin ¹	1.6	1	Before flowering (BBCH 50) and at least 90 days before harvest

These are qualified recommendation as crop safety on these crops is based on limited evidence. For all qualified recommendations users are advised to test a small area first to establish crop safety.

Other Specific Restrictions:

To avoid the build up of resistance do not apply products containing an ACCase inhibitor herbicide more than twice to any crop. In addition, do not use this product in mixture or sequence with any other product containing fluzafop-p-butyl.

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.

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

FUSILADE FORTE containing fluzafop-p-butyl is a herbicide for control of wild oats, volunteer cereals and other grass weeds, post emergence in broad-leaved crops and other situations.

FUSILADE FORTE is rapidly absorbed through the leaves and moves upwards and downwards throughout the plant to the growing points. FUSILADE FORTE is effective against both annual and perennial grass weeds including Common Couch. Decay of the growing points in stems is visible after 7 days. Foliar kill is complete in 3-4 weeks when weeds are actively growing under warm conditions.

FUSILADE FORTE is independent of soil type as it acts through the foliage.

RESTRICTIONS

Consult processors before treating crops intended for processing

Avoid drift and possible damage to neighbouring crops. Do not spray in windy weather, especially if applying a FINE spray when the risk of drift is increased.

Cereal or grass crops should not be sown for at least 8 weeks after application of the 2.5 litres per hectare rate or at least 2 weeks after application of the 0.8-1.6 litres per hectare rates.

Annual Meadow-grass and broad-leaved weeds are not controlled.

Weeds germinating after application will not be controlled.

FUSILADE FORTE is rainfast within 1-2 hours of application.

WEEDS CONTROLLED

The following weeds are controlled by post emergence applications at the rates given below. Refer also to the crop recommendations for the maximum recommended rate in each crop.

Weed type/species	Application rate L/ha	Weed growth stage
Annual Grass Weeds		
Barren (sterile) Brome Volunteer Cereals Wild Oats	0.8-1.25	2 expanded leaves to fully tillered. The higher rate will give more rapid and reliable control of well tillered weeds.
Barley cover crops	0.8-1.6	See notes below on cover crops.
Perennial Grass Weeds		
Italian Ryegrass Perennial Ryegrass	1.25	2 expanded leaves to fully tillered.
Black Bent Creeping Bent (Watergrass) Common Couch	2.5	4 leaves. The majority of stems should have emerged.

FUSILADE FORTE can contribute to the control of blackgrass as part of a herbicide resistance management strategy, involving mixtures and sequences with herbicides of alternative modes of action. Where resistant biotypes are present control from FUSILADE FORTE will be unacceptable.

Couch control is best when the rhizomes have been fragmented by cultivation or seedbed preparation. This encourages maximum emergence of couch shoots providing a good actively-growing target for the FUSILADE FORTE spray. In perennial crops, where the rhizomes are left undisturbed regrowth may occur from dormant buds.

Under dry conditions control of weeds may be reduced. For maximum effect on Common Couch do not cultivate for 2 weeks after spraying.

The effects of FUSILADE FORTE on overwintered weeds have not been investigated.

RESISTANCE MANAGEMENT

This product contains fluazifop-p-butyl which is an ACCase inhibitor also classified by the Herbicide Resistance Action Committee (HRAC) as 'Group A'.

To reduce the risk of developing resistance applications should be made to young, actively growing weeds. Use only as part of a herbicide resistance management strategy that includes cultural methods of control such as crop rotation.

Do not use FUSILADE FORTE or any other ACCase inhibitors as the sole chemical method of grass weed control in successive crops.

Use grass weed herbicides with different modes of action throughout the cropping rotation.

Use tank/product mixes or sequences of herbicides with different modes of action within individual crops, or successive crops.

Monitor weed control effectiveness and investigate any odd patches of poor grass weed control. If unexplained contact your agronomist who may consider a resistance test appropriate.

Strains of some annual grasses (e.g. black-grass, wild oats and Italian rye-grass) 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 (WRAG) and copies are available from the HGCA, CPA, your distributor, crop advisor or product manufacturer.

Always follow WRAG guidelines for preventing and managing herbicide resistant grass weeds.

CROP SPECIFIC INFORMATION

RATES OF APPLICATION	TIMING OF APPLICATION (CROP GROWTH STAGE)
Oilseed rape, fodder rape, poppy ¹	
0.8-1.6 l/ha	Foliar application from 1 true leaf to before flowering (BBCH 50). Crops may be treated at the cotyledon stage if there is severe weed competition.
Mustard ¹	
0.8-1.25 l/ha	Foliar application from 1 true leaf to before flowering (BBCH 50). Crops may be treated at the cotyledon stage if there is severe weed competition.
Linseed,	
0.8-1.25 l/ha	For linseed earliest application is from 2 true leaves.
Field beans and lupin ¹	
0.8 – 1.6 l/ha	Foliar application before flowering from second node stage but before first flower bud visible (BBCH 50). Latest application 90 days before harvest.
Combining peas	
1.25 l/ha	Foliar application before fourth node stage but before first flower visible (BBCH 50). Check there is sufficient leaf wax using the crystal violet test. When in doubt and where wax is insufficient or damaged do not spray. Use the crystal violet test as a routine before sequentially applying herbicides. Suppression of couch only.
Sugar beet and fodder beet	
0.8 – 2.5 l/ha	Foliar application from 1 true leaf stage to approximately 50% ground cover but no later than 56 days before harvest.

These are qualified recommendation as crop safety on these crops is based on limited evidence. For all qualified recommendations users are advised to test a small area first to establish crop safety

FOLLOWING CROPS

Following normal harvest of a treated crop, any broad leaved or cereal crop may be sown.

MIXING AND SPRAYING

Mixing

Ensure the sprayer is clean and in good working order. Calibrate according to sprayer. Half fill the spray tank with CLEAN water and start agitation. Shake the container and add the correct amount of FUSILADE FORTE to the sprayer using a filling device (e.g. induction hopper) or by direct addition to the spray tank. Complete filling and agitate thoroughly. Continue agitation during spraying and stoppages. Wash out container thoroughly. Preferably use an integrated pressure rinsing device or manually rinse three times. Add washings to the sprayer at the time of filling. Dispose of rinsed containers safely according to DEFRA /HSE Code of Practice.

Water Volume

Even cover of the weeds is essential for good results.
80 - 200 litres per hectare may be used in open crops with light weed infestations.
200 - 500 litres per hectare should be used in dense crop or in dense weed situations.

APPLICATION METHODS

Even cover of the weeds is essential for good results. Apply through a conventional hydraulic sprayer using a pressure of 2-4 bars.

For spray volumes 80 to 200 litres per hectare apply as a FINE spray.

For spray volumes above 200 litres per hectare apply as a MEDIUM spray.

Ensure that the sprayer is properly cleaned and washed before use. Spray contamination may damage crops.

Correctly calibrate sprayer before use. Do not leave spray liquid in the sprayer for long periods (i.e. during meals or overnight).

Application by air or through controller/droplet application equipment is not permitted.

BAND SPRAYING

FUSILADE FORTE may be applied through a standard band sprayer for the control of annual grass weeds. Common Couch may be treated but re-growth from untreated band may reduce efficacy.

AFTER USE

Wash equipment thoroughly after use with a commercial tank cleaner, in accordance with the manufacturer's instructions. Dispose of tank washings and rinse containers safely according to the DEFRA Code of Practice.

COMPANY ADVISORY INFORMATION

This section is not part of the Product Label under the Plant Protection Products Regulations 2011. It provides additional advice on use of the product.

Optimum Control of Weeds

For best release from early competition use FUSILADE FORTE at the earliest recommended time. Speed of kill will be more rapid when weeds are actively growing under warm conditions and with adequate soil moisture. Treatment under cool conditions will give slower activity. In poor growing conditions use the higher rate for more rapid and reliable control.

This product is to be used only in accordance with the recommendations and instructions given on the labels provided with this pack. Use in any other circumstances is entirely at user's risk.

ACKNOWLEDGMENTS

FUSILADE FORTE is a registered trademark.

CONDITIONS OF SUPPLY

All goods supplied by us are of high grade and we believe them to be suitable but (as we cannot exercise any control over their mixing or use) all conditions and warranties, statutory or otherwise, as to the quality and fitness for any purpose of our goods are excluded, except in so far as such exclusion is prevented by law, and no responsibility will be accepted by us for any damage or injury whatsoever arising from their storage, handling, application or use.

This product is to be used only in accordance with the recommendations and instructions given on the labels provided with this pack. Use in any other circumstances is entirely at users risk.

To access the Safety Data Sheet for this product scan the QR code
or refer to the Nufarm website at
<https://www2.nufarm.com/uk/>

