



BUGUIS®

Emulsifiable Concentrate (EC)

Clodinafop-propargyl 100.0 g/L
+ Cloquintocet-mexyl 25 g/L

WEED



0.6 l/ha

- Selective graminicide herbicide, effective in post-emergence control of annual grasses.
- It is rapidly absorbed by weed leaves.

5L

www.qemetica-agro.com

PROFESSIONAL USE ONLY / FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

QEMETICA

SAFETY INFORMATION

May be fatal if swallowed and enters airways. May cause an allergic skin reaction. Causes serious eye irritation. May cause damage to organs through prolonged or repeated exposure.

Toxic to aquatic life with long lasting effects. Keep out of reach of children.

Store away from food, drink and animal. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Do not breathe vapours/spray. IF ON SKIN: Wash with plenty of water. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Get medical advice/attention if you feel unwell.

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 triple-rinse empty 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.

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 (coverall), suitable protective gloves and face protection (face shield) when handling the concentrate. Wear suitable protective gloves when handling contaminated surfaces. However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection. WASH SPLASHES from skin immediately. WASH HANDS AND EXPOSED SKIN before 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]. **Storage and disposal:** KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place. WASH OUT CONTAINER THOROUGHLY and dispose of safely. DO NOT RE-USE CONTAINER for any purpose. AVOID RELEASE TO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS/SAFETY DATA SHEETS. **PROTECT FROM FROST. SHAKE WELL BEFORE USE.**

UFI: YW2G-C01A-3009-XSMX

According to Regulation (EC) No. 1272/2008.

GHS 07



GHS 08



GHS 09



DANGER

PCS No. 05450

*Trademark registered by QEMETICA Agricultural Solutions Spain S.L.U. Batch number: see packaging. Manufacturing date: see packaging. Expiry date: see packaging. Distributor: DHV Agrochemicals. Authorisation holder: QEMETICA Agricultural Solutions Spain S.L.U. C/ Valle del Roncal 12, 1ª, oficina 7. 28232 Las Rozas, Madrid (Spain). Tel. (+34) 91 626 60 97.

IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY:**1. Product identifier: Trade Name:** BUGIUS.**Technical Name:** 100 g/l Clodinafop-propargyl (ISO) and 25 g/l Cloquintocet-mexyl (ISO) as emulsifiable concentrate formulation (EC).**Registration:** PCS No.: 05450.**2. Relevant identified uses:** Herbicide for professional agricultural uses only. Authorized uses are detailed on the label of the commercial containers.**3. Supplier of the safety data sheet:** Company: QEMETICA Agricultural Solutions Spain S.L.U. Address: C/ Valle del Roncal 12, 1ª, oficina 7. 28232 Las Rozas, Madrid (Spain). Phone: (+34) 91 626 60 97. Email: www.qemetica-agro.es**4. Emergency telephone number:** Beaumont Hospital - National Poisons Information Centre: +353 1 8092566.**Adverse effects:** - May be fatal if swallowed and enters airways. - Causes serious eye irritation. - May cause an allergic skin reaction. - Toxic to aquatic life with long lasting effects.**Other hazards:** No additional information available. This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.**Good Agricultural Practices**

Crop	Max. single dose	Max. no. of applications	Max. total dose	Latest time of application
Winter wheat, Durum wheat	0.6 l/ha	1 per crop	0.6 l/ha	Before flag leaf sheath extending stage

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:** Do not use on barley or oats. Do not spray crops under stress or crops suffering from waterlogging, pest attack, disease or frost. Do not spray crops undersown with grass mixtures. Rain within one hour after application may reduce grass weed control. Avoid the use of hormone-containing herbicides in mixture or sequence with BUGIUS. When BUGIUS is applied first, leave 7 days before applying hormone herbicides. If mecoprop-p or 2,4 DB containing products are applied first leave 14 days before BUGIUS is applied. If MCPA or 2,4-D containing products are applied first, leave 21 days before BUGIUS is applied.**CROPS:** BUGIUS can be used on all varieties of wheat and durum wheat.**SPRAY TIMING:** BUGIUS must only be applied from 1 February, provided the crop has at least three leaves, until before the flag leaf sheath extending stage.**WEED CONTROLLED:** BUGIUS is a fallow acting grass weed killer for the control of wild oats which can be used post-emergence on all varieties of wheat and durum wheat. BUGIUS can be mixed with many broad-leaved weed and residual grass weed herbicides to widen the spectrum of weeds controlled. BUGIUS can contribute to the control of susceptible populations of black-grass as part of an herbicide resistance management strategy, involving mixtures and sequences with herbicides of different modes of action. Activity is faster under good growing conditions and may appear relatively slow under cold dry weather conditions. BUGIUS has no residual activity. Optimum weed control will only be achieved when all grass weeds have emerged. BUGIUS does not control broad-leaved weeds and if these are present a specific broad-leaved weed herbicide will be required. BUGIUS can be used on all varieties of winter and durum wheat.**WEED CONTROL-RATE OF USE:** Apply BUGIUS at 0.6 litres per hectare alone or 0.3 litres per hectare when used in mixture with an additive (see Use of Additives section).**Use of additives:** The maximum dose rate of BUGIUS is 0.3 l/ha when used in mixture with a suitable additive. E.g. Newton Crosspray 11E or Silwet L-77. BUGIUS must always be applied with an authorized adjuvant from the adjuvant oils wetting agent classes which used at 0.3 L/ha rate. Always use adjuvants at their recommended rates.

Weed species		Level of susceptibility
Common name	Scientific name	
Wild oats	<i>Avena fatua</i>	S

S= Susceptible; MS= Moderately susceptible; R= Resistant

modes of action throughout the cropping rotation. To reduce the risk of developing resistance applications should be made to young, actively growing weeds. Use crop rotation and other cultural control measures to prevent and manage herbicide resistant grass weeds. Use tank/product mixes or sequences of herbicides with different modes of action within individual crops, or successive crops. Only apply BUGIUS once per crop and do not use in mixture or sequence with any product containing clodinafop-propargyl. 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. This product contains clodinafop-propargyl which is an ACCase inhibitor, also classified by the Herbicide Resistance Action Committee as 'Group A'. Use only as part of a resistance management strategy that includes cultural methods of control and does not use ACCase inhibitors as the sole chemical method of grass weed control. Applying a second product containing an ACCase inhibitor to a crop will increase the risk of resistance development; only use a second

WEED RESISTANCE: Always follow WRAG guidelines for preventing and managing herbicide resistant grass weeds. Do not use BUGIUS or any other ACCase inhibitor as the sole means of grass weed control in successive crops.

Use grass weed herbicides with different

modes of action throughout the cropping rotation.

To reduce the risk of developing resistance

applications should be made to young, actively growing weeds.

Use crop rotation and other cultural control measures to prevent and manage herbicide resistant grass weeds.

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

Only apply BUGIUS once per crop and do not use in mixture or sequence with any product containing clodinafop-propargyl.

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.

This product contains clodinafop-propargyl which is an ACCase inhibitor, also classified by the Herbicide Resistance Action Committee as 'Group A'.

Use only as part of a resistance management strategy that includes cultural methods of control and does not use ACCase inhibitors as the sole chemical method of grass weed control.

Applying a second product containing an ACCase inhibitor to a crop will increase the risk of resistance development; only use a second

ACCase inhibitor to control different weeds at a different timing. 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 and copies are available from the HGCA, CPA, your distributor, crop adviser or product manufacturer.

SUSCEPTIBLE WEEDS The susceptibility rating of weeds in the following table refer to good spray cover and good growing conditions. The weed control claims relate to control at "before tillering" stage of the weeds. Weeds germinating after treatment may not be adequately controlled.

BUGIUS may be used on all soil types. Weed control may be reduced in dry conditions.

VOLUME AND APPLICATION: Before using BUGIUS, spraying equipment must be clean and free from contamination with other pesticides. Spray BUGIUS in 200-400 litres of water per hectare. Where these are dense weed populations or advanced growth stages the water volume should be 400 litres per hectare. Use a conventional field crop sprayer at a pressure of 2-3 bars and apply as a MEDIUM spray (as defined by BCCP). Care should be taken not to overlap spray swaths.**MIXING:** Quarter fill the spray tank with clean water, start the agitation and add the required quantity of BUGIUS directly to the tank without prior creaming. Continue agitation while topping up the tank and while spraying.**FOLLOWING CROPS:** The activity of BUGIUS is not affected by soil type, organic matter or straw residues. In the event of crop failure, any broad-leaved crop may be sown, or after an interval of 3 weeks, any cereal may be sown. Following normal harvest of a treated crop, any broad-leaved or cereal crop may be sown.**WARNINGS:** Extreme care should be taken to avoid damage by drift onto broad-leaved plants outside the target area or onto surface waters or ditches or land intended for cropping. Spraying equipment should not be drained or flushed onto land planted with or intended for planting with trees or crops other than cereals. Poor cleanout practices and insufficient water volumes used for the rinse procedure may result in inadequate removal of product deposits. Subsequent use of application equipment in these circumstances may result in damage to non-cereal crops.**SPRAY TANK CLEAN-OUT:** Poor cleanout practices and insufficient water volumes used for the rinse procedure may result in inadequate removal of product deposits. Subsequent use of application equipment in these circumstances may result in damage to non-cereal crops. To avoid subsequent damage to crop other than cereals, immediately after spraying BUGIUS thoroughly clean all spray equipment, including inside and outside of lid, using a proprietary sprayer cleaner that is recommended for the use with sulfonyl ureas according to the following procedure: 1. Immediately after spraying, drain tank completely. Wash any contamination off the outside of the sprayer with clean water. 2. Rinse the inside of the tank with clean water and flush at least one tenth of the spray tank volume through the boom and hoses. Drain tank completely. 3. Half-fill the tank with clean water and add the correct quantity of a proprietary sprayer cleaner such as All Clear Extra or Tank and Equipment Cleaner, agitate and then flush the boom and hoses with the solution. Top up completely with water and allow to stand for 15 minutes with agitation. Again flush the booms and hoses and drain tank completely. If it is not possible to drain the tank completely, repeat step 3 before going on. 4. Remove nozzles and filters and soak in a bucket containing a proprietary sprayer cleaner at the same concentration as that used for the sprayer. 5. Rinse tank again with clean water and flush at least one tenth of the tank volume through the booms and hoses. Drain tank completely.**General notes:** Consult label tank clean up procedures for all tank mix partners and be sure to use the most rigorous procedure recommended. Do not use on crops grown for seed.**CONDITIONS OF SUPPLY:** All goods supplied by us are of high grade and we believe them to be suitable but, as we cannot exercise control over their storage, handling, mixing or use, or the weather conditions before, during and after application which may affect the performance of the goods, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded, and no responsibility will be acceptable by us or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage handling, application or use. Our staff or agents cannot vary these conditions whether or not they supervise or assist in the use of such goods.

© Trademark registered by QEMETICA Agricultural Solutions Spain S.L.U.

Batch number: see packaging.
Manufacturing date: see packaging.
Expiry date: see packaging.

Distributor: DHM Agrochemicals.

Authorisation holder:
**QEMETICA Agricultural Solutions
Spain S.L.U.**
C/Valle del Roncal 12, 1ª, oficina 7.
28232 Las Rozas, Madrid (Spain).
Tel. (+34) 91 626 60 97.