



PROVALIA® LQM®

Cereal herbicide

GROUP	B:O	HERBICIDE
-------	-----	-----------

PCS N° 05233

An oil dispersion (OD) formulation containing 135 g/l fluroxypyr (present as 194.5 g/l fluroxypyr meptyl), 5 g/l metsulfuron-methyl and 30 g/l thifensulfuron-methyl for spring weed control in wheat and barley.

* Registered Trademark of FMC Corporation or its affiliates

F-05254/31907 - IZLAND

Contents:

5 litres e

Risk and Safety Information

**PROVALIA® LQM®
HERBICIDE**

WARNING

Contains 135 g/l fluroxypyr (present as 194.5g/l fluroxypyr meptyl), 5 g/l metsulfuron-methyl and 30 g/l thifensulfuron-methyl.

May cause allergic skin reactions.

Very toxic to aquatic life with long lasting effects

Wash protective gloves / protective clothing / eye protection / face protection

IF ON SKIN: wash with soap and water

If skin irritation or rash occurs: get medical advice/attention

Wash contaminated clothing before reuse

Collect spillage

Avoid breathing spray

Contaminated work clothing should not be allowed out of the workplace

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). Dispose of contents / container to a licensed hazardous-waste disposal contractor or collection site except for triple-rinsed empty clean containers which can be disposed of as nonhazardous waste.

TO AVOID RISKS TO HUMAN HEALTH AND THE ENVIRONMENT, COMPLY WITH THE INSTRUCTIONS FOR USE

PCS N° 05233



➔ (OPEN HERE)

PROVALIA® LQM®

Cereal herbicide

PCS N° 05771

FMC Agro Limited, Rectors Lane, Pentre, Flintshire, CH5 2DH. Tel: 01244 537370. Email: Flintshire.enquiry@fmc.com Website: www.fmc-agro.co.uk. Technical Helpline: 01423 205011 **Emergency No.s - Medical Incidents Involving Crop Protection Products:** England & Wales: 111, Scotland: 08454 24 24 24, Northern Ireland: Local GP or Pharmacist, Republic of Ireland: 01 837 9964. Healthcare professionals seeking poisons information : www.toxbase.org. **Emergency No.s - Transportation, Warehousing & After Sale Incidents:** CHEMTREC help centre Dialling from the UK and NI: 0870 820 0418, Dialling from Ireland: 01 901 4670

Manufactured in the EU.

**SHAKE WELL BEFORE USE
FOR PROFESSIONAL USE ONLY**



IMPORTANT INFORMATION

FOR USE ONLY AS A PROFESSIONAL HERBICIDE

Maximum individual dose:	1 litre/ha
Maximum total dose:	1 litre /ha
Crops:	wheat, barley (winter and spring)
Latest time of application:	Before flag leaf sheath fully emerged growth stage (GS39)
Other specific restrictions:	This product must only be applied from 15th March in the year of harvest until the specified latest time of application This product must not be applied by hand-held equipment
Method of application:	Tractor mounted / Trailed sprayer

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

F-05255/31907 - IRELAND



SAFETY PRECAUTIONS

Operator Protection

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate.

WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

WHEN USING DO NOT EAT, DRINK OR SMOKE

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

WASH SPLASHES from skin or eyes immediately.

WASH HANDS AND EXPOSED SKIN before eating, drinking and smoking and after work.

Environmental Protection

To protect aquatic organisms respect an unsprayed buffer zone of 5m to surface water bodies.

Storage and Disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS

KEEP OUT OF REACH OF CHILDREN

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 washings to sprayer at time of filling and dispose of safely.

THIS MATERIAL AND ITS CONTAINER must be disposed of in a safe way.

SPECIMEN
2019 to date

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

- PROVALIA LQM should not be applied to any crop suffering from stress as a result of drought, waterlogging, low temperatures, pest or disease attack, nutrient or lime deficiency or other factors reducing crop growth.
- Do not use PROVALIA LQM on cereal crops undersown with grasses, clover or other legumes or any other broad-leaved crop.
- Due to the high level of activity of the herbicide, special care must be taken to avoid damage by drift onto broad-leaved plants outside the target area, or onto ponds, waterways or ditches. Thorough cleansing of equipment is also very important - see below.
- PROVALIA LQM should not be applied within 7 days of rolling the crop.
- All requirements or restrictions on other product labels must be adhered to when applied to the same crop as PROVALIA LQM. Contact your FMS distributor for further information.
- Do not tank mix PROVALIA LQM with chlorpyrifos. Allow at least 14 days between treatments.
- Refer to 'Compatibility' for details on use of PROVALIA LQM with other 'ALS inhibiting' herbicides

Weed control

PROVALIA LQM contains fluroxypyr (a pyridine carboxylic acid) and metsulfuron methyl and thifensulfuron methyl (both ALS inhibitor herbicides) and work mainly by contact action. It is most effective if applied when the weeds are small and actively growing. Good spray cover of the weeds must be obtained for best results. Susceptible plants cease growth almost immediately after application and symptoms can be seen about one week after application although the full

NOTE: If it is not possible to drain the tank completely, step 3 must be repeated before going on to step 4.

WARNING

EXTREME CARE SHOULD BE TAKEN TO AVOID SPRAY DRIFT ONTO NON-CROP PLANTS OUTSIDE THE TARGET AREA OR ONTO PONDS, WATERWAYS OR DITCHES. SPRAYING EQUIPMENT SHOULD NOT BE DRAINED OR FLUSHED ONTO LAND PLANTED WITH OR INTENDED FOR PLANTING WITH TREES OR CROPS OTHER THAN CEREALS.

NOTICE TO BUYER

All goods supplied by us are of a high grade and we believe them to be suitable for any purpose for which we expressly supply them, but as we cannot exercise control over their mixing or use, 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 accepted by us for any damage or injury whatsoever arising from their storage, handling, application or use.

All manufacturers trademarks are duly acknowledged.

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 CROPS OTHER THAN CEREALS, IMMEDIATELY AFTER SPRAYING PROVALIA LQM THOROUGHLY CLEAN ALL SPRAY EQUIPMENT, INCLUDING INSIDE AND OUTSIDE OF LID, USING THE FOLLOWING PROCEDURE:

Always start with a clean tank and spray system. Clean spray equipment thoroughly immediately after use. Consult label tank cleanup procedures for all tank mix partners and be sure to use the most rigorous procedure recommended.

1. Immediately after spraying, drain tank completely. Any contamination on the outside of the spraying equipment should be removed by washing with clean water.
2. Rinse inside of tank with clean water and flush through boom and hoses using at least one-tenth of the spray tank volume. Drain tank completely.
3. Half fill tank with clean water and add FMC ALL CLEAR EXTRA at the recommended rate. Agitate and then flush the boom and hoses with the cleaning solution. Top up with water making sure the tank is completely full and allow to stand for 15 minutes with agitation. Again flush the boom and hoses and drain tank completely.
4. Nozzles and filters should be removed and cleaned separately with an ALL CLEAR EXTRA solution containing 50 ml of ALL CLEAR EXTRA per 10 litres of water.
5. Rinse the tank with clean water and flush through the boom and hoses using at least one-tenth of the spray tank volume. Drain tank completely.
6. Dispose of washings safely. Do not spray onto sensitive crop or land intended for cropping with sensitive crop.

effect of the treatment may not be apparent for up to three weeks depending on the species and environmental conditions. The susceptibility rating of weeds in the following table refer to good spray cover and good growing conditions.

Weed species	0.5 l/ha		0.75 l/ha		1.0 l/ha	
	2-6 true leaves	15 cm	2-6 true leaves	15 cm	2-6 true leaves	15 cm
Shepherd's purse	S	MS	S	MS	S	MS
Common fumitory	MR	-	MS	-	S	-
Cleavers	MS	MS	MS	MS	S	S
Red dead-nettle	S	MS	S	MS	S	MS
Mayweed species	S	MR	S	S	S	S
Common poppy	MS	MS	S	S	S	S
Charlock	-	-	-	-	S	S
Common chickweed	-	MS	-	S	S	S
Field pansy	MS	MR	MS	MR	S	MR

Weed control may be reduced where soil conditions are dry.

S = Susceptible, MS = Moderately Susceptible, MR = Moderately Resistant, R = Resistant

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 resistant to a herbicide if it survives a correctly applied treatment at the recommended dose. Development of resistance with a weed species can be avoided or delayed by alternating (or tank mixing) with suitable products having a different mode of action. A strategy for preventing and managing resistance should be adopted. The Weed Resistance Action Group has produced guidelines and copies are available from the TEAGASC, AHDB, CPA, your distributor, crop advisor or product manufacturer.

PROVALIA LQM contains metsulfuron and thifensulfuron methyl, both ALS inhibitors (Group B, HRAC classification mode of action), and fluroxypyr, synthetic auxin (Group O, HRAC classification mode of action).

Crops

PROVALIA LQM can be used on all winter and spring varieties of wheat and barley between the growth stages given below. Crop damage may occur under certain conditions, particularly in spring wheat crops. This may lead to reductions in yield.

Dose

Apply PROVALIA LQM at up to 1 L/ha

Timing

PROVALIA LQM must be applied in the spring from 15th March from the three-leaf stage (GS 13) on spring cereals and from the beginning of tillering (GS 21) on winter cereals up to the flag leaf fully emerged growth stage (GS 39).

Following crops

Cereals, oilseed rape, field beans or grass may be sown in the same calendar year as harvest of a cereal crop treated with PROVALIA LQM. In case of crop failure for any reason, sow only wheat within three months of application of PROVALIA LQM. Before sowing, soil should be ploughed and cultivated to a depth of at least 15-cm.

Volume and application

BEFORE USING PROVALIA LQM, SPRAYING EQUIPMENT MUST BE CLEAN AND FREE FROM CONTAMINATION WITH OTHER PESTICIDES.

As the product is a skin sensitizer a minimum water volume of 150litre water per litre product must be used. Application should be made in a minimum of 150 litres of water per hectare, using suitable ground equipment to give good spray cover of the weeds. Use a conventional field crop sprayer at a pressure of 2-3 bars and apply a MEDIUM spray (as defined by BCPC). When crops are thick or weed growth is dense, use up to 400 litres of water per hectare. 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 PROVALIA LQM directly to the tank without prior creaming. Continue agitation while topping up the tank and while spraying. Follow the good practice guide for empty pesticide containers.

Compatibility

PROVALIA LQM may be applied with other products, provided each product can be applied within the label recommendations for its use. Always add PROVALIA LQM to the spray tank first when using in tank-mix and ensure it is fully dispersed before adding the partner product.

Additional recommendations may be approved since label printing. Please consult your FMC distributor for latest details on compatibilities.