

For use only as a professional post seeding, pre emergence herbicide for use in winter oilseed rape for the control of various annual grass and broadleaved weeds

WG formulation containing 400g / kg (40% w/w) napropamide and 35 g/kg (3.5% w/w) clomazone

MAPP 17189



IMPORTANT INFORMATION

WARNING

- H410** Very toxic to aquatic life with long lasting effects.
P273 Avoid release to the environment.
P391 Collect spillage.
P501 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.
EUH401 To avoid risks to human health and the environment, comply with the instructions for use.



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

24 Hour emergency No. 00 32 14 58 45 45

IMPORTANT INFORMATION

Crops/situations:	Max individual dose: (kg product / ha)	Max total dose: (kg product / ha / crop)	Max number of treatments:	Latest time of application:
Oilseed rape (winter)	3	3	-	Pre-emergence of crop

The following Aquatic Buffer Zones must be observed:

Crops/situations:	Aquatic buffer zone distance (metres):	Comment:
Oilseed rape (winter)	5	see Environmental Protection Phrase 1

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.



This label is compliant with the CPA Voluntary Initiative Guidance

FMC

Approval Holder:

FMC Chemical sprl
 Rue Royale 97, 4th floor
 1000 Brussels, Belgium
 tel. no.: +32 2 209 2200
 fax no.: +32 2 209 2299

© FMC and Altiplano Dam^{TEC} are registered trademarks of FMC Corporation, USA



Headland

Distributed in the UK by:
Headland Agrochemicals Ltd.
 Rectors Lane, Pentre, Flintshire CH5 2DH
 Tel.: 01244 537370, Fax: 01244 532097
 E-mail: flintshire.enquiry@fmc.com · www.headland-ag.co.uk

10064733-40053756(1/2)

Net contents: **5 KG** e

Production date and batch number:
 printed on packaging

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 product or handling contaminated surfaces.
- However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

Environmental protection:

- To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.
- DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 m 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 1 m of the top of a ditch which is dry at the time of application. [DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1 m of the top of the bank of a static or flowing water body]*. Aim spray away from water. * if hand-held uses are permitted.
- 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 CRD'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.
- Care must be taken to avoid drift on to crops and non-target plants outside of the target area or similar.
- There is a risk to adjacent crops and non-crop vegetation from the volatilisation of Clomazone. This may result in damage/bleaching to neighbouring vegetation. If effects are seen they must be reported via the stewardship program (see www.headland-ag.co.uk).
- The risk emanating from volatilisation has been addressed via a stewardship campaign and a user education program, the details of which have been reviewed and agreed by CRD.
- 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.
- KEEP AWAY FROM FOOD AND DRINK AND ANIMAL FEEDING STUFFS.
- KEEP OUT OF REACH OF CHILDREN.
- WASH CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely

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 the product.

Altiplano DAM^{TEC} is a post sowing, pre-emergence residual herbicide which can be used in all varieties of winter oil seed rape.

Altiplano DAM^{TEC} is suitable for use on all soil types except sands and soil containing more than 10% organic matter.

This herbicide is a water dispersible granule (WG) co formulation of 2 active ingredients: Napropamide (acetamid K3) and Clomazone (isoxaolindiones F3) where clomazone is microencapsulate. These 2 active ingredients confer to Altiplano DAM^{TEC} a wide weed spectrum for the control of important grass and broadleaves annual species

Restrictions:

When applying Altiplano DAM^{TEC} it is important for crop safety to ensure physical separation of the herbicide from the seed. This is achieved by ensuring that the seed is well covered with soil. Possible bleaching of the first leaves of the crop may occur especially when used in light soil or following excessive rainfall. Bleaching symptoms are transient and subsequent yield is not affected.

If Altiplano DAM^{TEC} is applied onto a dry soil surface it will only be effective after rainfall has occurred. Weed control is dependent on adequate soil moisture.

Avoid damage by drift onto non-target crops and plants.

The use of low drift nozzles will reduce spray drift (further information can be found in The Voluntary Initiative 'Best Practice Guide- Nozzle Selection and Maintenance', www.voluntaryinitiative.org.uk).

Do not overlap spray swaths, particularly on the headlands.

Do not treat crop which are badly seeded.

Avoid spray drift on to the neighboring crops.

Wash equipment thoroughly after use, rinsing three times with water. Trace of the product may cause damage to susceptible crops sprayed later.

Weed control

Susceptibility of weeds to Altiplano DAM^{TEC}:

Weed name	Susceptibility to Altiplano DAM ^{TEC} when applied 3kg/ha pre-emergence to a moist, firm seedbed free from clods:
SHEPHERD'S PURSE	MS
CLEAVERS	S
CUT-LEAVED CRANESBILL	S
HENBIT DEAD-NETTLE	S
RED DEAD-NETTLE	MS
SCENTED MAYWEED	S
SCENTLESS MAYWEED	MS
POPPY	S
CHICKWEED	S
IVY-LEAVED SPEEDWELL	MR
BIRD'S-EYE SPEEDWELL	S
FIELD PANSY	R
ANNUAL MEADOWGRASS	MS

Resistance:

Strains of some annual grasses (e.g. Black-grass, Wild-Oats, and Italian Ryegrass) 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.

Key elements of the resistance management strategy for Altiplano DAM^{TEC}

- Always follow HRAC guidelines for preventing and managing herbicide resistant weeds.
- Maximize the use of cultural control measures wherever possible (e.g. crop rotation, ploughing, stale seedbeds, delayed drilling, etc).
- Use tank mixes or sequences of effective herbicides with different modes of action within individual crops, or successive crops.
- Monitor fields regularly and investigate the reasons for any poor control.

Crop

Time of application:

Altiplano DAM^{TEC} should be applied as soon as possible following sowing of the crop and before emergence of both the crop and target weeds.

Rate of application:

Apply 3 Kg Altiplano DAM^{TEC} per hectare. Do not use Altiplano DAM^{TEC} on sands or very light soils.

Do not use on soils with more than 10% organic matter.

Conditions of application:

It is important for crop safety that the seed is covered (harrowing or rolling of direct drilled crops) by a minimum of 2cm of soil. For optimum efficacy seedbeds should be firm, level and free of clods, loose and puffy seedbeds should be consolidated before spraying.

Maximum efficacy is reached if product is applied on moist soil allowing a good distribution of Altiplano DAM^{TEC} on the superficial soil layer and good root intake by weeds.

under specific condition and particularly when application is followed by a drought period and then by heavy rain falls, transitional phytotoxic symptoms may appear.

Low temperature following application may also increase phytotoxicity to crop.

Do not roll the crop after treatment.

Do not irrigate within 3 weeks following treatment.

If heavy rainfall are announce for the coming hours, delay/postpone treatment after rain.

Avoid any drift of the product to adjacent crop apply by calm weather with no wind.

Avoid any over lapping.

Water volume:

When applying Altiplano DAM^{TEC} use a volume of water within the range of 200 to 400 L per ha.

Rotational crops:

Following a post-seeding pre-emergence application of Altiplano DAM^{TEC} in winter oilseed rape and in a normal crop rotation, any crop can be grown after normal harvest of the winter oilseed rape, regardless of the type of soil cultivation.

Replacement crops:

If crop failure occurs following a post-seeding pre-emergence application of Altiplano DAM^{TEC} in winter oilseed rape, the following spring it is possible to plant field beans, maize, peas, potato, spring oilseed rape, and sunflower without restriction, provided at least 7 months have elapsed since application of Altiplano DAM^{TEC}. Additionally, spring barley, sugar beet, clover, spring oat and spring wheat are possible when preceded by deep soil cultivation (ploughing), provided at least 7 months have elapsed since application of Altiplano DAM^{TEC}. The sowing of winter cereals as replacement crop in the same autumn is not recommended.

Spray solution preparation:

Before using Altiplano DAM^{TEC} ensures the spray equipment is clean.

1. Half fill the tank with clean water and switch on the stirrer. Add the required dose to the spray tank and complete filling, continuing agitation until spraying is completed.
2. On emptying the container, RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times when empty. Add washings to sprayer at time of filling and dispose of container safely.
3. After mixing use spray solution as soon as practically possible, continue agitation until spraying is completed.

If using an induction system then mixing should be as follows:

1. Half fill the induction bowl with clean water.
2. Slowly pour the required amount of product into the induction bowl, turn on the pump and suck the contents of the induction bowl into the spray tank, at the same time rinsing the bowl.
3. On emptying the container, RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times when empty. Add washings to sprayer at time of filling and dispose of container safely.
4. Repeat the procedure of half filling the bowl with water and sucking out until no trace of remains on the mesh, filter, drain hole or sides of the bowl.
5. Ensure all contents are sucked out and the bowl is thoroughly rinsed before adding any tank-mix partner.
6. On preparation of spray solution, use as soon as practically possible.
7. Maintain agitation at all times.
8. Spray out as soon as possible after mixing.
9. Do not let the mixture stand.

After use:

CLEANING of the EQUIPMENT

To avoid damage to crops further processed with the same equipment; it is necessary to thoroughly clean sprayer (including the inside and outside of the lid) using clean water.

Completely fill and flush the contents of the spray tank a minimum of three times before any subsequent operations. Spray equipment should not be drained or flushed onto land planted with or intended for planting with trees or crops other than oilseed rape.

Carefully rinse face and hands with water and soap

MATERIAL SAFETY DATA SHEET

To Access the Safety Data Sheet for this product scan the QR code

or visit <http://msdsviewer.fmc.com> and enter Product ID: 6708-A

Alternatively, contact your supplier.

