

Thistlex[®] PRO

HERBICIDE



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THISTLEX PRO

Contains Reaction mass of N,Ndimethyldecan-1-amide and N,N-dimethyloctanamide

UFI: MFN9-R065-6009-AF1M



Warning

Causes serious eye irritation
May cause respiratory irritation
Very toxic to aquatic life with long lasting effects

Avoid breathing vapours or spray.

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

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.

Collect spillage.

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.

Repeated exposure may cause skin dryness or cracking.

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

Authorisation Holder:

Corteva Agriscience UK Limited

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24 Hour Emergency Telephone Number: +44 (0) 161 884 1235

National Poisons Information Service (UK): 111

For Technical Enquiries Call: +44 (0) 800 689 8899 or email: ukhotline@corteva.com

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GROUP 4 HERBICIDES

Product Registration Number: MAPP 21489

An Emulsifiable Concentrate (EC) containing 120 g/litre clopyralid and 5 g/litre halauxifen-methyl. A post-emergence herbicide effective against THISTLES, DANDELION and BUTTERCUP for use on ESTABLISHED GRASSLAND FOR GRAZING ONLY.

READ DIRECTIONS FOR USE ON ATTACHED LEAFLET
SHAKE WELL BEFORE USE
PROTECT FROM FROST

IMPORTANT INFORMATION

FOR USE ONLY AS A PROFESSIONAL HERBICIDE

Crop / Situation	Maximum Individual Dose (litres product/ha)	Maximum number of treatments per year (see Other Specific Restrictions)	Latest Time of Application	Buffer zone to surface water bodies
Grassland (established)	1.67 litre	1	31 st July (see Other Specific Restrictions)	6 m

Other Specific Restrictions:

- DO NOT apply from 1st August to end of February.
- If treating in March or July, an application can only be made every two years.
- DO NOT USE ON GRASSLAND that will be cut for animal feed (i.e. fresh cut grass, silage, hay and haylage), fodder or bedding within 12 months of treatment.
- An interval of at least 12 months from the treatment date must elapse before making fresh cut grass, silage, hay or haylage.
- Manure from animals grazed on THISTLEX PRO treated grassland must not leave the farm.
- Manure from animals fed fresh cut grass, silage, hay or haylage produced from grassland treated with THISTLEX PRO in the previous 12 months must not leave the farm.
- DO NOT use any plant material treated with THISTLEX PRO or manure from animals fed on crops treated with THISTLEX PRO for composting or mulching except where it goes back on to agricultural grassland, cereals or maize.
- DO NOT USE ON GRASSLAND that will be grazed by horses and ponies.
- Livestock must be kept out of the treated areas for at least 14 days following treatment. IF RAGWORT IS PRESENT, FOLLOW THE GUIDANCE IN THE 'DIRECTIONS FOR USE'.
- DO NOT use THISTLEX PRO on any grass where the clippings are collected for use in mulching, compost or in green waste.
- DO NOT apply via handheld equipment.

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.

This label is compliant with the CPA
Voluntary Initiative Guidance.



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on the front page)**

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 AND FACE PROTECTION (FACESHIELD) 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 they provide an equal or higher standard of protection.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.

WASH CONCENTRATE from skin or eyes immediately.

WASH HANDS AND EXPOSED SKIN before eating and drinking, 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).

To protect aquatic organisms respect an **unsprayed buffer zone** to surface water bodies as specified for the crop. **HORIZONTAL BOOM SPRAYERS MUST BE FITTED WITH THREE STAR DRIFT REDUCTION TECHNOLOGY.**

Low drift spraying equipment **must be operated** according to the specific conditions stated in the **official three star rating** for that equipment as published on HSE Chemicals Regulation Directorate's website. Maintain three star operating conditions until 30 m from the top of the bank of any surface water bodies.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within the distance specified for the crop to the top of the bank of a static or flowing water body, or within 1 m of the top of a ditch which is dry at the time of application. **Aim spray away from water.** NOTE: **BUFFER ZONES OF MORE THAN 5 M CANNOT BE REDUCED UNDER THE LOCAL ENVIRONMENT RISK ASSESSMENT FOR PESTICIDES (LERAP) SCHEME.**

The statutory **buffer zone** must be maintained and the distance recorded in Section A of the LERAP record form. The LERAP record form must be kept **available** for three years.

Storage and disposal:

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

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.

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 / WARNINGS

Extreme care must be taken to avoid spray drift onto non-crop plants outside of the target area.

DO NOT treat crops under stress. Stress can be caused by many factors including frost, drought, water logging, trace element deficiency, disease and pest attack, etc.

Broad-leaved weeds not present at application will not be controlled.

Clover will be killed or severely checked by THISTLEX PRO.

DO NOT spray grassland where clover or other legumes are a valuable constituent of the sward.

DO NOT roll or harrow grass for 10 days before or 7 days after application.

After spraying THISTLEX PRO, ensure all spraying equipment is thoroughly cleaned before treating a sensitive crop.

DO NOT use any plant material treated with THISTLEX PRO for bedding, composting or mulching.

DO NOT use manure from animals fed on grass treated with THISTLEX PRO for composting or mulching.

DO NOT USE ON GRASSLAND which will be grazed by horses and ponies

Grass treated with THISTLEX PRO must not be cut for fresh grass, hay, haylage or silage within 12 months of treatment.

THISTLEX PRO must only be applied to established grassland intended for grazing in the calendar year of application. Where silage, hay or haylage is produced from this area in the following calendar year it must stay on the farm. Any manure resulting from animals fed on this must only be spread onto agricultural grassland, cereals, maize or oilseed rape.

Under no circumstances should this manure be supplied to gardeners or allotment holders, or commercial compost producers i.e. there must be no off-farm sale or supply, as sensitive plants may be affected by residues of THISTLEX PRO in the manure.

Take extreme care to avoid drift when applying THISTLEX PRO near sensitive crops e.g. legumes, carrots, sunflower and potato.

This product gives in-season control only and long-term control has not been established.

WEEDS CONTROLLED

When applied at 1.67 L/ha THISTLEX PRO will control the following weeds:

Weed species	Maximum growth stage controlled (Susceptibility)
Creeping thistle	Up to 30 cm tall / wide (S)
Dandelion	Before flowering (S)
Creeping buttercup	Before flowering (S)

S = Susceptible

Application timing is crucial for good control. Applications must be made to weeds that are actively growing at the time of application.

It is important that there is sufficient leaf area for the uptake of the herbicide. Where there is a large reservoir of seed in the soil, a further control programme in the following year may be required.

RESISTANCE MANAGEMENT

Product	Type	Active	HRAC group
THISTLEX PRO	HERBICIDE	clopyralid	4 (Previously Group 0)
		halauxifen-methyl	4 (Previously Group 0)

THISTLEX PRO contains the active ingredients halauxifen-methyl (an arylpicolinate herbicide) and clopyralid, both of which are members of the pyridine-carboxylic acid family of synthetic auxins, part of Group 4 (previously Group 0) according to HRAC classification.

To minimize the risk of resistance developing, the following precautions are advised as part of a resistance management strategy.

- use rates allowing an efficient control of the weed species.
- follow label statements concerning rates and timing of application as described below.
- consider the use of cultural control and crop rotation to help control resistant biotypes.

Do not rely solely on one mode of action, in the same field over several years.

CROP SPECIFIC INFORMATION

ESTABLISHED GRASSLAND FOR GRAZING ONLY (older than 1 year)

Timing

THISTLEX PRO can be applied between March 1st until end of July. If treating in March or July, an application can only be made every two years. Application should be made when targeted perennial weeds are actively growing at the 15 to 30 cm rosette stage or around 30 cm tall. If grass has been cut for hay or silage, treat 2 to 3 weeks after cutting when sufficient re-growth has occurred.

Rate of application

THISTLEX PRO can be applied at 1.67 L/ha in a water volume of 200-400 L/ha. The higher volumes are recommended when the grass is dense. A maximum of 1 application per year can be made.

Grazing Interval

A 14-day period must elapse between the application of THISTLEX PRO and the reintroduction of livestock.

Notes

Exclude livestock during treatment and do not allow livestock to graze treated grassland for at least 14 days following treatment. Where ragwort is present users should consult the Code of Practice on How to Prevent the Spread of Ragwort. Ragwort plants sprayed with this herbicide are more palatable and contain higher levels of toxins. Animals should be excluded from treated areas until any ragwort has completely recovered or died and there is no visible sign of the dead weed. Do not include treated ragwort in hay or silage crops.

FOLLOWING CROPS / CROP FAILURE

THISTLEX PRO residues in plant tissues (including manure and digestate) which have not completely decayed may affect succeeding susceptible crops. If treated crop remains have not fully decayed by the time of planting following crops then avoid planting: peas, beans and other legumes; carrots and other *Umbelliferae*; potatoes; lettuce and other *Compositae*; glasshouse and protected crops.

After 90 days radish leaves, kale and fodder kale can be planted.

Brassica vegetables and Oilseeds crops can be planted regardless of the interval or cultivation post-application.

All other crops can be planted after 30 days.

MIXING AND SPRAYING

Application equipment

THISTLEX PRO should be applied through a hydraulic boom sprayer provided it is in good working order and has been calibrated according to the manufacturers' recommendations.

Mixing

Half fill the spray tank with clean water, start agitation and then add the required amount of THISTLEX PRO. Continue filling the tank with clean water to the required volume. Maintain agitation during filling, while spraying and during any stoppages.

Mix up only sufficient spray volume for the area to be treated and use the spray immediately.

Spray quality

Apply THISTLEX PRO as a MEDIUM spray as defined by the BCPC system.

Rainfastness

THISTLEX PRO is rainfast after 4 hours

Tank cleaning

To avoid subsequent injury to crops other than grassland and cereals, all spraying equipment must be thoroughly cleaned both inside and out, using proprietary tank cleaner as follows (or following tank cleaner manufacturers advice):

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 booms and hoses using at least one tenth of the spray tank volume. **Drain tank completely.**
3. Half fill tank with clean water and add proprietary tank cleaner at the recommended rate. Agitate and then briefly 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. Flush the boom and hoses and drain tank completely.
4. Nozzles and filters should be removed and cleaned separately with proprietary tank cleaner solution containing recommended amount 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. For disposal of washings, follow Code of Practice for Using Plant Protection Products. Do not spray onto sensitive crop or land intended for cropping with sensitive crop.

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

COMPANY ADVISORY INFORMATION

This section is not part of the Product Label under the Plant Products Regulations 1995, and provides additional advice on product use at the discretion of Corteva Agriscience.

Corteva Agriscience 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 or 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. No responsibility will be accepted by us or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such goods.

To access the Safety Data Sheet for this product scan the QR code or use the weblink below:



<https://www.corteva.com/content/dam/dpagco/corteva/eu/gb/en/files/sds/Thistlex-Pro-SDS.pdf>

Alternatively contact your supplier

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