

# Thistlex<sup>®</sup> PRO

HERBICIDE

™ ® Trademark of Corteva Agriscience and its affiliated companies.

## SAFETY INFORMATION

### 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 triple rinsed 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.**

PCS No. 07377



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### Authorisation Holder:

**Corteva Agriscience UK Limited**

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Cambridge Road, Melbourn, SG8 6HB, United Kingdom

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National Poison Centre (Dublin): 01 809 2166

### Distributed by:

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**GROUP 4 HERBICIDES**

**Product Registration Number: PCS No. 07377**

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.

**READ DIRECTIONS FOR USE ON ATTACHED LEAFLET**

**SHAKE WELL BEFORE USE**

**PROTECT FROM FROST**

**FOR PROFESSIONAL USE ONLY**

**Triple Rinse Containers, Puncture and Invert To Dry At Time Of Use**

## IMPORTANT INFORMATION

FOR USE ONLY AS A PROFESSIONAL HERBICIDE

Crop / Situation	Maximum Individual Dose (litres product/ha)	Maximum number of treatments per crop	Latest Time of Application
Grassland (established)	1.67 litre	1 per calendar year	14 days before grazing / end of July

### Other Specific Restrictions:

1. DO NOT apply from 1<sup>st</sup> August to the end of February.
2. To protect groundwater, if treating in July an application can only be made every two years.
3. To protect groundwater, DO NOT apply to newly sown leys.
4. 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'.
5. This product must not be applied via hand-held 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.**

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PCS No. 07377

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(on the back of 2D code area printed  
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 EYE PROTECTION (FACE SHIELD) when handling the concentrate or applying the product.

WEAR SUITABLE WEAR SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT when handling the concentrate.

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.)

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

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

### 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

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 composting or mulching.

DO NOT use manure for composting from animals fed on crops treated with THISTLEX PRO.

## 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)
Common 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
		halauxifen-methyl	4

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 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.

## CROP SPECIFIC INFORMATION

### Crops

THISTLEX PRO can be used in ESTABLISHED GRASSLAND (defined as leys more than 90% ground cover or older than 1 year).

### Timing

THISTLEX PRO can be applied between 1<sup>st</sup> March until the end of July.

If treating in 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 / Cutting Interval**

A 14-day period must elapse between the application of THISTLEX PRO and the reintroduction of livestock, or the cutting for hay or silage.

### **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.

### **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.ie/content/dam/dpagco/corteva/ie/en/files/sds/Thistlex-Pro-SDS-IRL.pdf>

Alternatively contact your supplier

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