

# Solutions for weed-free grass



## Key points

- Always read the label in full before use
- Target weeds at the right size – young and actively growing is best. If you have topped the weeds first then wait 2-3 weeks for sufficient weed regrowth before spraying
- Wear suitable protective clothing as specified on the label
- Spray must be aimed away from the water courses
- Keep other people and pets out of treated areas for at least 2 hours until spray has dried on leaf
- Always triple rinse the PET containers used for these Corteva grassland products
- A tank-cleaner, such as All Clear Extra, should be used when cleaning the spray tank after the use of Envy® or Pastor® Trio
- Reseed any significant bare patches on the soil created by the removal of weeds
- 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 or un-treated ragwort when making hay or silage

Follow-up treatments are sometimes needed:

- Not all weeds are at their ideal treatment size at the same time
- The visible weed above ground can be small compared with often extensive root systems below ground
- Large numbers of weeds can shade each other
- Grassland with large weed populations often holds higher levels of weed seed in the soil
- The timing of a follow-up treatment will be dictated by the maximum dose and the maximum number of treatments specified on the label for a given year

**Corteva Agriscience grassland herbicides are professional use products**, which you can only use if you hold a relevant certificate of competence. Otherwise, seek training or employ a spray contractor or local suitably-qualified farmer to do the job for you.

## Weeds controlled

Where we have knowledge of how our products might affect weeds we have detailed it in the following tables. \* indicates information based on anecdotal or limited data, and is only indicative and should not be considered as a recommendation for use on the part of Corteva Agriscience. The user assumes full responsibility for use on these weeds.

### Annual weeds

	Doxstar Pro -20L/ha	Envy -1.5L/ha	Forefront T -20L/ha	Grazon Pro -60ml per 10L -10L/ha	Pastor Trio -10L/ha	Thistlex -1.0L/ha	ProClova XL -150g/ha + 0.22L/ha
Bindweed (black)							
Bristly ox-tongue							
Charlock					TTL		
Chickweed		*					
Cleavers							
Corn chamomile							
Corn marigold							
Cranesbill							
Dead-nettles							
Fat-hen (2TL)							
Fool's parsley							
Forget-me-not							
Fumitory							
Groundsel							
Hemp-nettle							
Himalayan balsam							
Knotgrass (4TL)							
Mayweeds						TTL	
Nettle (small)							
Nightshade (black)							
Orache							
Pale persicaria							
Poppy							
Redshank							
Scarlet pimpernel							
Shepherd's-purse							
Speedwells							
Spurrey							
Wild radish							
Yellow rattle							

\* Envy will control chickweed Before Flowering at the 1.0L/ha rate.

Weed control key	
Good control	No control
Moderate control	No information
Some control	Anecdotal or limited information
	TL = true leaves

## Weeds controlled

### Perennial weeds

	Doxstar Pro -20L/ha	Envy -1.5L/ha	Forefront T -20L/ha	Grazon Pro -60ml per 10L -10L/ha	Pastor Trio -10L/ha	Thistlex -1.0L/ha	ProClova XL -150g/ha + 0.22L/ha
Bindweed (field)							
Bracken							
Bramble							
Broom							
Burdock							
Buttercups							
Cinquefoil (creeping)							
Clover, trefoil							
Coltsfoot							
Cow parsley							
Daisy (common)							
Daisy (ox-eye)							
Dandelion							
Docks							
Gorse							
Ground elder							
Ground ivy							
Hawthorn							
Hemlock							
Hogweed (giant)							
Horsetail (Equisetum)							
Japanese knotweed							
Knapweed (common)							
Lesser celandine							
Mallow (common)							
Medick (black)							
Mugwort (common)							
Nettle (common)							
Old man's beard							
Plantain (greater)							
Plantain (ribwort)							
Ragwort							
Rosebay willowherb							
Rushes							
Self-heal							
Silverweed							
Sorrel (common)							
Thistles							
Vetch, tare							
Yarrow							
Yellow/Flag Iris							

# Grassland weed control guide

## Forage knowledge on the go.



Free and easy to use, the Corteva Forage App is packed with information and tools to help you maximise your grass and maize crops. Simply scan the QR code.



For grassland advice call Whelehan Crop Protection on: **01 574 2410** or visit: [www.corteva.ie/forage](http://www.corteva.ie/forage) or email: [cropprotection@tpwhelehan.ie](mailto:cropprotection@tpwhelehan.ie)  
Follow us: [X@CortevaForage](https://twitter.com/CortevaForage) or [@CortevaIE](https://www.instagram.com/CortevaIE)

[www.whelehancropprotection.com](http://www.whelehancropprotection.com)



Use plant protection products safely. Always read the label and product information before use. Pay attention to the risk indications and follow the safety precautions on the label. Triple rinse containers and invert to dry at time of use.

Authorisation Holder: Corteva Agriscience, CPC2 Capital Park, Fulbourn, Cambridge CB21 5XE. Tel: 01462 457272. Marketing Company: Whelehan Crop Protection, Suite 11/12 Bunkilla Plaza, Bracetown Business Park, Clonea, Dublin 15, Ireland. Tel: 01 574 2410. Email: [cropprotection@tpwhelehan.ie](mailto:cropprotection@tpwhelehan.ie)

©, \* Trademarks of Corteva Agriscience and its affiliated companies. © 2024 Corteva.

ProClova® contains fluroxypyrifen-benzyl (Rinskor® active) and amidosulfuron. XL adjuvant is an EC formulation containing 94 % w/w fatty acid esters.

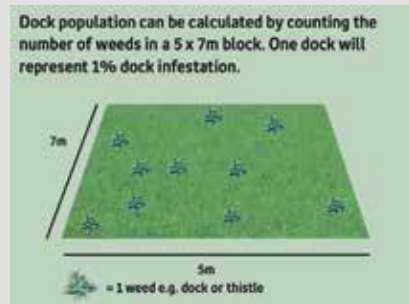
Doxstar® Pro contains fluroxypyr and triclopyr. Envy \* contains fluroxypyr and forasulam. Forefront \* T contains aminopyralid and triclopyr. Grazon® Pro contains clopyralid and triclopyr. Pastor® Trio contains fluroxypyr, clopyralid and forasulam. Thistlex\* contains clopyralid and triclopyr.

## Control weeds in your grassland because they:

- Compete with grass for space, light, nutrients and water
- Are unpalatable to stock
- Can be poisonous e.g. ragwort
- Take over the grass and left unchecked they limit the ability of stock to graze significant areas
- Reduce the quality and quantity of silage and hay
- Make pastures look messy, untidy and unkempt
- Can spread to neighbouring properties

### Herbicide control options

A 10% dock infestation causes a 10% loss in forage yield (Source: SAC Trials). Knapsack treatment with Grazon® Pro should be considered if weed populations are below 5%.



### Choose a product that:

- Will deliver a high level of safety so grass growth is unaffected
- Has a short stock exclusion period so animals can return back to the field quickly
- Fits the weed spectrum being targeted and the method of application

Only 7-day post-treatment stock exclusion interval (in the absence of ragwort). Applicable to all products.

### Product Range:



#### Doxstar® PRO

For use with a boom sprayer 

##### HERBICIDE

- Excellent weed control solution in silage fields and established grass
- For optimum root kill, spray actively growing weeds at the correct growth stage
- Controls Broadleaved Dock, Curled Dock, Chickweed, Dandelion and more...
- Excellent grass safety. Will kill clover
- The usage rate is 2.0 L/ha or split dose of 1.0L/ha six to 12 months apart  
2lt pack treats 1.1ha (2.5acres) or 2ha at split rate of 1.0L/ha (5acres).



#### Envy®


For use with a boom sprayer 

##### HERBICIDE

- Excellent weed control solution in established grass, horse or pony paddocks and new sown leys
- For optimum root kill, spray actively growing weeds at the correct growth stage
- Controls Chickweed, Buttercups, Dandelions, Daisies, Docks and many more...
- More effective control in cooler conditions than straight fluroxypyr
- No special manure management requirements
- Excellent grass safety. Will kill clover
- 3.0lt pack. Rate for a new ley is 1.5 L/ha and for established grass is 2.0 L/ha



#### Grazon® PRO

For use ONLY with a knapsack or hand-held lance 

##### HERBICIDE

- Approved for use ONLY with a knapsack sprayer or hand-held lance in established grass
- For optimum root kill, spray actively growing weeds at the correct growth stage
- Effective control of all species of Docks, Thistles and Nettles
- Also gives control of invasive weeds including Bramble, Broom and Gorse
- Excellent grass safety. Will kill clover
- 10 fills of a 16L knapsack sprayer from a single 1L pack
- The usage rate is 60mls in 10 Litres of water



#### Forefront® T

For use with a boom sprayer 

##### HERBICIDE

- Outstanding weed control in cattle and sheep grazed grass. Not for use on horse or pony paddocks (refer to Envy®)
- For optimum root kill, spray actively growing weeds at the correct growth stage
- Controls Docks, Thistles, Nettles, Dandelions, Buttercups, Ragwort and more...
- Excellent grass safety. Will kill clover
- Seek advice from an IASIS qualified adviser before use who has undertaken Forefront® T Stewardship Training
- 2lt pack treat 1ha at the usage rate of 2.0 L/ha



#### Pastor® TRIO

For use with a boom sprayer 

##### HERBICIDE

- Use on new sown leys, established grass, grass grown for seed and forage maize
- For optimum root kill, spray actively growing weeds at the correct growth stage
- Controls Chickweed, Thistles, Buttercups, Dandelions, Daisies, and Docks
- Apply to new sown leys from 3 true leaves (1st February to 31st August)
- Excellent grass safety. Will kill clover
- The rate for a new ley is 1.0 L/ha and for established grass it is 2.0 L/ha  
3lt pack treats 1.5ha (3.75 acres) at full rate in established grassland



#### Thistlex®


For use with a boom sprayer 

##### HERBICIDE

- Excellent Thistle control solution in silage fields, hay meadows and grazed grass
- For optimum root kill, spray actively growing weeds at the correct growth stage
- Controls all thistle species and more...
- Excellent grass safety. Will kill clover
- 1lt pack. The usage rate is 1.0 L/ha

**Always read the individual product labels for full details.**

#### ProClova® XL

For use with a boom sprayer 

##### HERBICIDE



**ProClova® must always be used in a tank mix with XL adjuvant**

- ProClova® XL is a clover-safe herbicide which kills key weeds in both newly sown leys and established grassland enabling you to build and preserve clover populations for longer.
- Water volume: 200 L/ha.
- Only 7-day post-treatment stock exclusion interval (in the absence of ragwort).
- Leave 21 days before cutting silage
- Rainfast in 1 hour.
- Available as a co-pack which treats 3ha (7.4 acres) when applying to newly sown leys or 2ha (5 acres) when spraying established grassland.
- Timing: use from tillering stage of the grass & clover must have 3 trifoliolate leaves,

### Clover safety:

**A transitory effect (leaf deformation/growth inhibition) may be seen following application, but full recovery will follow. Do not apply to red clover until spring of the year after sowing. Do not spray stressed crops.**



## Best practice: application advice

### Farmers must follow the Best Practice advice when using ProClova® XL

#### 1 Use Drift reducing nozzles

Apply with **at least 75% drift reducing nozzles** as listed under the DAFM STRIPE 75% drift reducing Nozzle category.

#### 2 Avoid intersecting watercourses

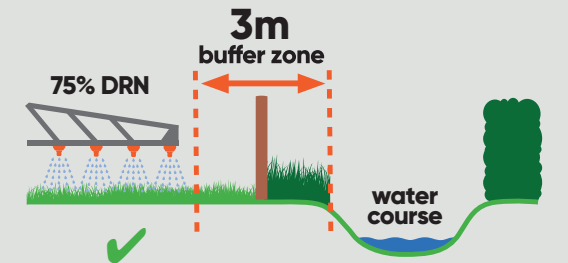
**Do not apply to fields where an intersecting water course is present** (this means where the land parcel slopes towards a watercourse and any surface water run-off would drain into that water course).

Risk of surface run-off



#### 3 Leave a 3m buffer zone

When spraying fields with water courses respect an unsprayed buffer zone of 3 meters to these water courses.



See the ProClova® XL best practice guidelines for further details by scanning this QR code.

