

## Weeds controlled

Where we have knowledge of how our products might affect other grassland weeds we have detailed it in the following tables. These are not recommendations; just an indication of what control might be achieved. ▽ indicates information based on anecdotal or limited data, and as such the user bears the risk in respect of failures concerning efficacy and phytotoxicity.

### Annual weeds

	Doxstar Pro	Envy 1.5 L/ha	Forefront T	Grazon Pro 1.0 L/ha	Pastor Trio 2.0 L/ha	Thistlex
Bindweed (black)	Good	Good	Good	Good	Moderate	Moderate
Bindweed (field)	Good	Good	Good	Good	Moderate	Moderate
Bristly ox-tongue	Moderate	Good	Good	Good	Good	Good
Charlock	Moderate	Good	Good	Good	TL	Good
Chickweed	Good	Good	Good	Good	Good	Good
Cleavers	Good	Good	Good	Good	Good	Good
Corn chamomile	Moderate	Good	Good	Good	Good	Good
Corn marigold	Good	Good	Good	Good	Good	Good
Cranesbill	Good	Moderate	Good	Good	Good	Good
Dead-nettles	Good	Good	Good	Good	Good	Good
Fat-hen (2TL)	Good	Good	Good	Good	Good	Good
Fool's parsley	Moderate	Good	Good	Good	Good	Good
Forget-me-not	Good	Good	Good	Good	Good	Good
Fumitory	Moderate	Good	Good	Good	Good	Good
Groundsel	Good	Good	Good	Good	Good	Good
Hemp-nettle	Good	Good	Good	Good	Good	Good
Himalayan balsam	Good	Good	Good	Good	Good	Good
Knotgrass (4TL)	Moderate	Good	Good	Good	TL	Good
Mayweeds	Good	Good	Good	Good	Good	Good
Medick	Good	Good	Good	Good	Good	Good
Nettle (small)	Good	Moderate	Good	Good	Good	Good
Nightshade (black)	Good	Moderate	Good	Good	Good	Good
Orache	Good	Moderate	Good	Good	Good	Good
Pale persicaria	Good	Good	Good	Good	Good	Good
Poppy	Good	Moderate	Good	Good	Good	Good
Redshank	Good	Good	Good	Good	Good	Good
Scarlet pimpernel	Good	Good	Good	Good	Good	Good
Shepherd's-purse	Moderate	Good	Good	Good	Good	Good
Speedwells	Good	Good	Good	Good	Good	Good
Spurrey	Good	Good	Good	Good	Good	Good
Wild radish	Moderate	Good	Good	Good	Good	Good
Yellow rattle	Good	Good	Good	Good	Good	Good

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

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### Perennial weeds

	Doxstar Pro	Envy 2.0 L/ha	Forefront T	Grazon Pro	Pastor Trio 2.0 L/ha	Thistlex
Bramble	Good	Good	Good	Good	Good	Good
Broom	Good	Good	Good	Good	Good	Good
Burdock	Good	Good	Good	Good	Good	Good
Buttercups	Good	Good	Good	Good	Good	Good
Cinquefoil	Good	Good	Good	Good	Good	Good
Clover, trefoil	Good	Good	Good	Good	Good	Good
Coltsfoot	Good	Good	Good	Good	Good	Good
Cow parsley	Good	Good	Good	Good	Good	Good
Daisy (common)	Good	Good	Good	Good	Good	Good
Daisy (ox-eye)	Good	Good	Good	Good	Good	Good
Dandelion	Good	Good	Good	Good	Good	Good
Docks	Good	Good	Good	Good	Good	Good
Gorse	Good	Good	Good	Good	Good	Good
Ground elder	Good	Good	Good	Good	Good	Good
Ground ivy	Good	Good	Good	Good	Good	Good
Hawthorn	Good	Good	Good	Good	Good	Good
Hemlock	Good	Good	Good	Good	Good	Good
Hogweed (giant)	Good	Good	Good	Good	Good	Good
Horsetail (Equisetum)	Good	Good	Good	Good	Good	Good
Japanese knotweed	Good	Good	Good	Good	Good	Good
Knapweed (common)	Good	Good	Good	Good	Good	Good
Lesser celandine	Good	Good	Good	Good	Good	Good
Mallow	Good	Good	Good	Good	Good	Good
Mugwort	Good	Good	Good	Good	Good	Good
Nettle (common)	Good	Good	Good	Good	Good	Good
Old man's beard	Good	Good	Good	Good	Good	Good
Plantain (greater)	Good	Good	Good	Good	Good	Good
Plantain (ribwort)	Good	Good	Good	Good	Good	Good
Ragwort	Good	Good	Good	Good	Good	Good
Rosebay willowherb	Good	Good	Good	Good	Good	Good
Rushes	Good	Good	Good	Good	Good	Good
Self-heal	Good	Good	Good	Good	Good	Good
Silverweed	Good	Good	Good	Good	Good	Good
Sorrel (common)	Good	Good	Good	Good	Good	Good
Thistles	Good	Good	Good	Good	Good	Good
Vetch, tare	Good	Good	Good	Good	Good	Good
Yarrow	Good	Good	Good	Good	Good	Good
Yellow/Flag Iris	Good	Good	Good	Good	Good	Good

## Grassland weed control guide



To download the Corteva Grassland App, visit your device App Store and search for "Corteva Grassland". You need to register the app on each individual device. The desktop version is available at: [www.grassland.farming.co.uk](http://www.grassland.farming.co.uk).



For grassland advice call Whelehan Crop Protection on: 01 4688900 or visit: [www.corteva.ie/grassland](http://www.corteva.ie/grassland) or email: [cropprotection@tpwhelehan.ie](mailto:cropprotection@tpwhelehan.ie)

### About Corteva Agriscience™

- A global leader in seed and crop protection created from the former agricultural businesses of Dow AgroSciences, DuPont and Pioneer
- Pronounced Kohr-Teh-Vah. Corteva is made up from two names; Cor and Teva. Cor means 'heart' and Teva means 'nature'
- A strong portfolio comprising grassland & maize crop protection, silage inoculants and maize seed
- Corteva's significant investment in innovative science to find and develop new solutions is helping livestock farmers achieve their grassland and forage crop potential



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.

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\*, \*\* Trademarks of DuPont, Dow AgroSciences and Pioneer and affiliated companies or their respective owners. Doxstar® Pro contains fluroxypyr and triclopyr. Envy® contains fluroxypyr and florasulam. Forefront® T contains aminopyralid and triclopyr. Grazon® Pro contains clopyralid and triclopyr. Pastor® Trio contains fluroxypyr, clopyralid and florasulam. Thistlex® contains clopyralid and triclopyr. January 2020. Supercedes all previous versions of this leaflet.

# Solutions for weed-free grass.



grow great grass



## Control weeds in your grassland because they:

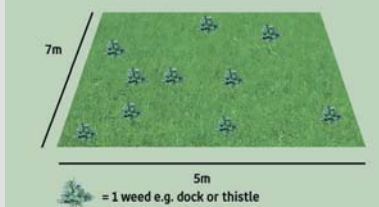
- Compete with grass for space, light, nutrients and water
- Are unpalatable to stock
- Can be poisonous e.g. ragwort
- Take over the grass and left unchecked they limit the ability of stock to graze significant areas
- Reduce the quality and quantity of silage and hay
- Make pastures look messy, untidy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

### Herbicide control options

A grassland herbicide will not cure the underlying problems but will help renovate the pasture to a more productive level for a period of time.

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%.

Dock population can be calculated by counting the number of weeds in a 5 x 7m block. One dock will represent 1% dock infestation.



### 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

## Product Range:



### Doxstar<sup>®</sup> 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



### Envy<sup>®</sup>

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



### Grazon<sup>®</sup> 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
- 16 fills of a 10L knapsack sprayer from a single 1L pack



### Forefront<sup>®</sup> 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
- For recommendation only by a BASIS agronomist who has undertaken Forefront<sup>®</sup> T Stewardship Training



### Pastor<sup>®</sup> 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



### Thistlex<sup>®</sup>

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

## 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 label guidance – 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 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.

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

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