	МДрр			AREA TREATED		QUANTITY APPLIED	APPLIED				WE	WEATHER	
	NUMBER (see product label)	LERAP	FIELD NAME	CROP	AREA SPRAYED (state ha or ac)	DOSE RATE (kg or litres/ha)	WATER VOLUME (litres/ha)	DATE TREATED	APPLICATION (24hr)	VEEDS OR PEST	WIND SPEED (mph)	TEMPERATURE (°C)	OPERATOR'S NAME
eg. Thistlex	16123	8	High ground	Esta blished grass	5ha	1lt/ha	200	20 th May 2020	1500	Thistles	σ	15	John Smith

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. **Findicates information** based on anecdotal or limited data, and as such the user bears the risk in respect of failures concerning efficacy and phytotoxicity. 5. 90

Annual weeds	0	Stor Pro	NISLING FOR	Q.	20n Pro Leysto	P	
Bindweed (black)							
Bindweed (field)							
Bristly ox-tongue							
Charlock					1TL		
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							
Medick							
Nettle (small)							
Nightshade (black)							
Orache							
Pale persicaria							
Рорру							
Redshank							
Scarlet pimpernel							
Shepherd's-purse							
Speedwells							
Spurrey							
Wild radish							
Yellow rattle							

Good control No information Moderate control Anecdotal or limited information Some control TL	Wee	ed control key		No control
		Good control		No information
Some control TL = true logwer		Moderate control		Anecdotal or limited information
		Some control	TL	= true leaves

Weeds controlled		DIO .	uno.	\$	alo	outro	Ro
Perennial weeds	Dorsto	x Pro 25	Foretro	GIOTOS	Levelor	POSTO POSTO	Thiste
Bramble							
Broom							
Burdock							
Buttercups							
Cinquefoil							
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							
Mugwort							
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							

Weeds controlled

4 On



- 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



For further information including warning parases and symbols refer to label. Corteva Agriscience, CPC2 Capital Park, Fulbourn, Cambridge CB215XE. Tel: 01462 457272. *, * 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* Toontains aninopyralid and triclopyr. Grazon* Pro contains clopyralid and triclopyr. Leystar* contains fluroxypyr, clopyralid and frainsulam. Pas*Tor * Agronomy Pack contains clopyralid, fluroxypyr and triclopyr. Thistlex* contains clopyralid and triclopyr. Dec 2019. Supercedes all previous versions of this leaflet.

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.

For grassland advice call the Technical Hotline on: 0800 689 8899 or visit: www.corteva.co.uk/grassland or email: ukhotline@corteva.com

About Corteva Agriscience™

• A global leader in seed and crop protection created from the former agricultural businesses of Dow AgroSciences, DuPont and

Solutions for weed-free grass.





Use plant protection products safely. Always read the label and product information before use. For further information including warning phrases and symbols refer to label.



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

The Weeds Act 1959 requires that if an order is served on them, landowners have to control common ragwort, broadleaved and curled docks and spear and creeping thistles. The Ragwort Control Act (2003) strengthens this by placing the onus on the occupier to take action where ragwort is posing a serious risk to grazing animals.

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 resent 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

grow great grass R. R.

Product Range:

Doxstar[®] PRO HERBICIDE

- Excellent weed control solution in silage fields and established grass
- For optimum root kill, spray actively growing weeds at the correct growth stage

For use with a boom

For use with

a boom

spraver

- Controls Broadleaved Dock, Curled Dock, Chickweed, Dandelion and more...
- Excellent grass safety. Will kill clover

Envy 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[®] 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 arass
- 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

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

Forefront[®] ⊤



For use with

For use with

spraver

a boom

a boom

sprave

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® T Stewardship Training

Leystar HERBICIDE

- Use on new sown levs, 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

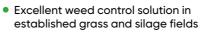
Pas[®] • Tor[®] Agronomy Pack

HERBICIDE

Pasillar

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- For optimum root kill, spray actively growing weeds at the correct growth stage
- Effective control of Docks, Thistles, Chickweed, Dandelions and Nettles
- Excellent grass safety. Will kill clover





- 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

 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

Leystar

Corteva Agriscience grassland herbicides are professional use products, which you can only use if you hold a PA2 (for boom sprayer) and/or PA6 (for Knapsack) certificate of competence (visit www.nptc.org.uk for details of your nearest course). Otherwise, seek training or employ a spray contractor or local suitably-gualified farmer to do the job for you.

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
- These products are LERAP Category B
- For Grazon Pro, the spray must not fall within 1m of the top of the bank of a flowing or static waterbody
- For other products covered in this leaflet which are applied by boom sprayer, it is 5m. If a risk assessment has been carried out, it may be possible to reduce this to just 1 metre from the top of the bank of a flowing or static water body
- 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
- 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

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PRAY

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