




KEY POINTS

Product	Thistlex
Active ingredients	200 g/L clopyralid + 200 g/L triclopyr
Weeds controlled	Creeping thistle, spear thistle. Good activity on common nettle
Application rate	1.0 L/ha
Water volume	200 L/ha but up to 400 L/ha for high weed numbers or dense grass swards
Mixing	Do not tank mix with phenoxy herbicides e.g. MCPA, 2,4-D or dicamba as this can affect movement into the roots
Maximum total dose	1.0 L/ha per year
Treatment timing	Between 1st March and 31st October and on grass that is >1 year old
Weed size	Ideally rosette stage up to 200mm across or high
	
Weed health	Weeds must be actively growing; free from disease or insect damage; not suffering from drought, waterlogging or nutrient deficiency
Stock exclusion	7 days
Cutting interval	Minimum 21 days, ideally 28 days
Rainfastness	2 hours when applied to a dry leaf
Clover	Will be damaged; re-introduce after 6 weeks
	Creeping Thistle (<i>Cirsium arvense</i>): a perennial that grows from seed or from root sections in the soil. Once established, the root mass can be greater than the plant above ground, competing effectively with the grass
	Spear Thistle (<i>Cirsium vulgare</i>): a biennial that grows from seed, and in the first year often goes unnoticed, since it produces only a small rosette. In the second year the plant can grow to over a metre in diameter before flowering, posing a serious economic threat
	
	

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 ragwort in hay or silage crops.



Thistlex is a very effective translocated product giving excellent root kill of both creeping and spear thistle.



Get more grass from what you've got

To download the Grassland app, visit your device App Store and search for "Dow Grassland". You need to register the app on each individual device. The desktop version is available at: grassland.farming.co.uk.

For grassland advice call the Technical Hotline on: 0800 689 8899 or visit: www.grassbites.co.uk or email: UKHotline@dow.com



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Solutions for the Growing World

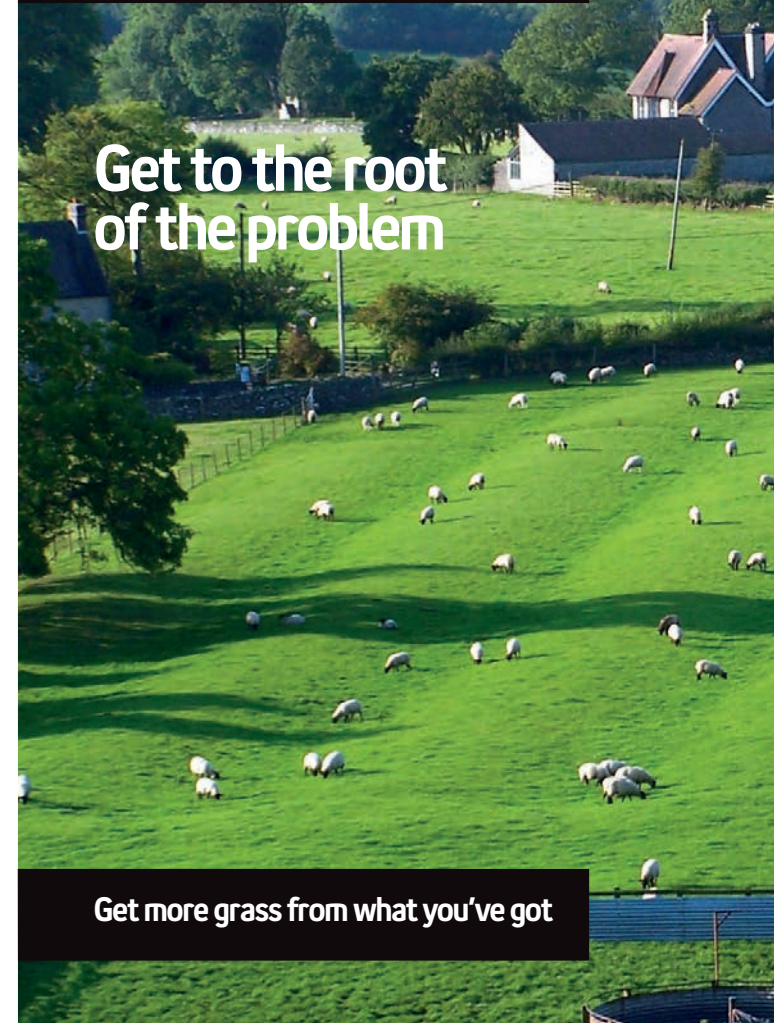
Use plant protection products safely. Always read the label and product information before use. For further information including warning phrases and symbols refer to label.

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©TM Trademark of the Dow Chemical Company ("Dow") or an affiliated company of Dow. Thistlex® contains clopyralid and triclopyr. Grazon®Pro contains clopyralid and triclopyr.



Get to the root of the problem



Get more grass from what you've got



Dow AgroSciences

Solutions for the Growing World

A very effective translocated product for both creeping and spear thistle. It is very safe to grass.

Thistles need controlling because:

- They compete with grass for space, light, nutrients and water
- They are unpalatable to stock
- They lead to greater incidence of Orf
- Reduce the available grazing.

Thistle population can be calculated by counting the number of thistles in a 5 x 7m block. One weed will represent 1% weed infestation.



SAC – trials data from the Scottish Agricultural College shows 10% weed infestation causes 10% YIELD LOSS



Get more grass from what you've got

Choose Thistlex because it:

- Delivers outstanding control of creeping thistle and spear thistle, up to 85% control 12 months after application
- Also has activity on common nettle and dandelion
- Is very safe to grass.

Maximise success – do it with PRIDE.

Product

The combination of clopyralid and triclopyr maximises activity on thistles giving excellent lasting control.

Rate

Apply between 1st March and 31st October. Use once per year at a rate of 1.0 L/ha in a water volume of 200 L/ha. Use higher water volumes up to 400 L/ha where thistle numbers are high or the grass sward dense. Reducing water volume, to speed up spraying operations, leads to poorer long-term control of thistles.

Information

Use on grazing grassland or silage, hay or haylage ground. Take stock out during spraying then return no sooner than 7 days later. Once sprayed, wait a minimum of 3 weeks prior to any planned cutting to maximise translocation into the thistle roots. If ragwort is present refer to the ragwort label guidance overleaf

Density

Thistlex is not approved for use by hand-held equipment, e.g. knapsack or lance. Choose GrazonPro for these uses. Target actively growing plants in the rosette stage and up to 200mm across or high. If larger than this consider topping and spraying the regrowth 2-3 weeks later.

Environment

Avoid treating weeds suffering from waterlogging, drought stress or cold stress. Thistlex is a LEPRAP B product. Following a Risk Assessment, it may be possible reduce the restriction of 5m to just 1m from the top of the bank of a flowing or static water body.

See product label for full details.

Weeds controlled by Thistlex

Where we have knowledge of how Thistlex might affect other grassland weeds, we have detailed this in the following tables. These are not recommendations, just an indication of what control might be achieved.

Annual weeds

Bindweed (black)	Fool's parsley	Orache
Bindweed (field)	Forget-me-not	Pale persicaria
Bristly ox-tongue	Fumitory	Poppy
Charlock	Groundsel	Redshank
Chickweed	Hemp-nettle	Scarlet pimpernel
Cleavers	Himalayan balsam	Shepherd's-purse
Corn chamomile	Knotgrass	Speedwells
Corn marigold	Mayweeds	Spurrey
Cranesbill	Medick	Wild radish
Dead-nettles	Nettle (small)	Yellow rattle
Fat-hen	Nightshade (black)	

Perennial weeds

Bramble	Ground elder	Plantain (ribwort)
Broom	Ground ivy	Ragwort
Burdock	Hawthorn	Rosebay willowherb
Buttercups	Hemlock	Rushes
Cinquefoil	Hogweed (giant)	Self-heal
Clover, trefoil	Horsetail (<i>Equisetum</i>)	Silverweed
Coltsfoot	Japanese knotweed	Sorrel (common)
Cow parsley	Lesser celandine	Thistles
Daisy (common)	Mallow	Vetch, tare
Daisy (ox-eye)	Mugwort	Yarrow
Dandelion	Nettle (common)	Yellow/Flag Iris
Docks	Old man's beard	
Gorse	Plantain (greater)	

Weed control key

- Good control
- Moderate control
- Some control
- No control
- No information