

# Technical IRELAND Information Sheet

Dow Shield 400 is a herbicide used for the control of mayweeds and thistles in sugar beet.

## Key facts

Product Registration Number:	PCS03861
Active Ingredient:	100g/litre Clopyralid
Pack size:	2 L
Formulation:	Soluble Concentrate
Maximum Individual Dose:	2L/ha
Maximum Total Dose:	3L/ha
Latest Timing:	When crops meet between the rows (BBCH 39) Applications should be completed by the end of June.
Water Volumes:	200–250 L/ha (Sugar beet 80–100L/ha)
Spray Quality:	Medium as defined by BCPC
Buffer Zone:	No LERAP restrictions.

## Best Use Advice

- Apply from fully expanded cotyledon stage when used alone.
- For best results apply when weeds are actively growing
- For control of annual weeds apply 0.25L/ha
- For control of creeping thistle apply 0.25L/ha at rosette stage, followed by a second application of 0.5L/ha 3–4 weeks later.
- May be applied at 0.25L/ha either in tank mix with or as sequential low dose programme in 80–100 litres of water/ha with metamitron + Actipron for improved thistle and black bindweed control.
- For control of volunteer potatoes include 0.25L/ha with applications of ethofumesate and phenmedipham
  - Two applications recommended, 7–14 days apart. First application when haulm 5–20cm
  - For extended haulm emergence use a three spray programme of 0.175L/ha with emthofumisate and triflusalifuron-methyl
- Rainfast in 6 hours

## Key Benefits

- New self-seal technology
  - No induction seal or foil to dispose of
  - Simplifies waste recovery
- Excellent crop selectivity and compatibility
  - Improves turn around operations
  - Reduces risk of point source contamination

## Weed Spectrum

	0.25 L/ha	0.5 L/ha	Control		0.25 L/ha	0.5 L/ha	Control
Corn marigold	2 leaf	4 leaf	S	Scentless mayweed	4 leaf	8 leaf	S
Creeping thistle (from seed)	4 leaf	6 leaf	S	Smooth sowthistle	2 leaf	4 leaf	S
Groundsel	6 leaf	10 leaf	S	Black bindweed	1 leaf	2 leaf	MS
Pineappleweed	4 leaf	8 leaf	S	Pale persicaria	1 leaf	2 leaf	MT
Scented mayweed	4 leaf	8 leaf	S	Redshank	1 leaf	1 leaf	MT

Perennial weeds	Control by 0.25 L/ha + 0.5 L/ha programme
Creeping thistle	S
Perennial sowthistle	MS
Spear thistle	S
White clover	MS

Key  
S – Susceptible  
MS – Moderately Susceptible  
MT – Moderately Tolerant

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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Dow Shield contains Clopyralid.