

Dow Shield[®] 400**HERBICIDE**

Technical Information Sheet

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

Key facts

Product Registration Number:	MAPP 14984
Active Ingredient:	400g/litre Clopyralid
Pack size:	2 L
Formulation:	Soluble Concentrate
Maximum Individual Dose:	0.5L/ha
Maximum Total Dose:	0.75L/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 trifluralin-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	Scentsless 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