

Shield Pro™ is a foliar acting herbicide used for the control of mayweeds and thistles in sugar beet.

Key facts

Product Registration Number:	MAPP No. 20156
Active Ingredient:	400 g/litre clopyralid (HRAC Group 4 Herbicide)
Pack Size:	2 litres (treats 5 ha)
Formulation:	Soluble Concentrate (SC)
Maximum Individual Dose:	0.5 l/ha
Maximum Total Dose:	0.75 l/ha
Latest Application Timing:	When crops meet between the rows (GS39) Applications should be completed by the end of June
Water Volumes:	200-250 l/ha (Sugar beet 80-100 l/ha)
Spray Quality:	Medium as defined by BCPC
Buffer Zone:	No LERAP restrictions
Rainfastness:	6 hours

Key benefits

- New self-seal technology:
 - No induction seal or foil to dispose of
 - Improves turnaround time for sprayer operators
 - Simplifies waste recovery
 - Reduces risk of point-source contamination
- Excellent crop selectivity and compatibility with a range of other sugar beet products.

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 0.25 l/ha.
- For control of creeping thistle apply 0.25 l/ha at rosette stage, followed by a second application of 0.5 l/ha 3-4 weeks later.
- May be applied at 0.25 l/ha either in tank mix with or as sequential low dose programme in 80-100 litres water/ha with metamitron + Cropspray 11E for improved thistle and black bindweed control.
- For control of volunteer potatoes include 0.25 l/ha with applications of ethofumesate and phenmedipham.
 - Two applications recommended, 7-14 days apart. First application when haulm 5-20 cm.
 - For extended haulm emergence use a three-spray programme of 0.175 l/ha with ethofumesate and triflurosulfuron-methyl.
- Potato varieties with particularly vigorous growth habits exhibit reduced sensitivity to Shield Pro and so results may be less reliable.

Weed spectrum

Annual weeds	0.25 l/ha	0.5 l/ha
Black bindweed	MS up to 1 leaf	MS up to 2 leaf
Corn marigold	S up to 2 leaf	S up to 4 leaf
Creeping thistle (from seed)	S up to 4 leaf	S up to 6 leaf
Groundsel	S up to 6 leaf	S up to 10 leaf
Pale persicaria	MR up to 1 leaf	MR up to 2 leaf
Pineappleweed	S up to 4 leaf	S up to 8 leaf
Redshank	MR up to 1 leaf	MR up to 1 leaf
Scented mayweed	S up to 4 leaf	S up to 8 leaf
Scentless mayweed	S up to 4 leaf	S up to 8 leaf
Smooth sowthistle	S up to 2 leaf	S up to 4 leaf

Perennial weeds	Control by 0.25 l/ha + 0.5 l/ha programme
Creeping thistle	S
Dandelion	S
Perennial sowthistle	MS
Spear thistle	S
White clover	MS
Key:	
Susceptible	
Moderately Susceptible	
Moderately Resistant	