

# BeeTShield

A solution concentrate containing 100 g/litre (9.0% w/w) clopyralid as the monoethanolamine salt.

A foliar acting herbicide effective against a range of perennial and annual weeds, in particular THISTLES and MAYWEEDS, in a variety of crops.

## IMPORTANT INFORMATION

### FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL HERBICIDE

**Situation:** Sugar beet, red beet, fodder beet, mangels, swede, turnip, winter and spring oilseed rape and other listed brassicae, forage maize, grassland, ornamental plant production

**Maximum Individual Dose:** } Full details are given in the  
**Maximum Total Dose:** } Important Information area on the attached leaflet

**Latest Time of Application:** }  
**READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.**

## For Professional Use Only

### SAFETY PRECAUTIONS

**Operator protection:** WASH HANDS AND EXPOSED SKIN before meals after work.

**Environmental protection:** Extreme care must be taken to avoid spray drift onto non-crop plants outside the target area. KEEP LIVESTOCK OUT of treated areas for at least 7 days and until foliage of any poisonous weeds such as ragwort has died

and become unpalatable. Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from yards and roads. **Storage and disposal:** KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place. WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.

### PROTECT FROM FROST.

READ DIRECTIONS FOR USE ON ATTACHED LEAFLET.

Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste.

To avoid risks to human health and the environment, comply with the instructions for use.

PCS No. 04632

**CONTENTS:**  
1 Litre e

### DIRECTIONS FOR USE

**IMPORTANT:** This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

### IMPORTANT INFORMATION FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL HERBICIDE

Crop/Situation	Maximum Individual Dose (rate of product per hectare)	Maximum Total Dose (rate of product per hectare)	Latest Time of Application
Sugar beet, red beet, Fodder beet, mangels, Swede, turnip	2.0 litres	3.0 litres per crop	6 weeks before harvest
Bulb Onion	2.0 litres	3.0 litres/ha/crop	6 weeks before harvest
Oilseed rape (Winter and Spring)	2.0 litres	3.0 litres per year	Before flower buds visible from above the crop canopy
Linseed	1.0 litre	1.0 litres product/ha/crop	Before flower buds visible from above crop canopy
Broccoli/cab- bres, cabbage, Cauliflower	2.0 litres	3.0 litres product/ha/crop	6 weeks before harvest
Brussels sprout	2.0 litres	3.0 litres product/ha/crop	Up to and including 9 or more true leaves unfolded
Grassland (Established)	2.0 litres	2.0 litres per year	7 days before harvest or cutting for hay and silage/grazing
Forage Maize	1.0 litre	1.0 litre product/ ha/crop	Up to and including 9 or more true leaves unfolded
Outdoor woody Ornamental plant Production	2.0 litres	2.0 litres per year	-

**Other specific restrictions**  
Do not use between the 31<sup>st</sup> of August and the 1<sup>st</sup> of March. For use on ornamentals, applications must only be via directed sprays only to target weed foliage. Read the label before use. Using this product in a manner that is inconsistent with the label may be an offence. Follow the code of practice for using plant protection products.

BeetShield herbicide is a solution concentrate formulation of clopyralid, a foliar acting herbicide which is also translocated into roots, rhizomes and stolons. BeetShield is particularly active on weeds of the Compositae family e.g. annual and perennial thistles and mayweeds.

### GENERAL WARNING

#### ALL CROPS

Do not use any plant material with BeetShield for composting or mulching. Do not use manure from animals fed on crops treated with BeetShield for composting.

#### ALL CROPS

BeetShield residues in plant tissues (including manure) which have not completely decayed may succeed susceptible crops. If treated crop remains have not fully decayed by the time of planting following crops then avoid planting: peas, beans and other legumes; carrots and other umbellifers; potatoes; lettuce and other compositae; glasshouse and protected crops.

To avoid risk to field crops following application of BeetShield, do not plant susceptible autumn-sown crops (e.g. winter beans) in the same year as treatment with BeetShield. Where susceptible

crops are to be planted in spring, do not apply BeetShield later than the end of July of the previous year.

Chop and incorporate all treated plant remains in the early autumn (or as soon as possible after harvest) to release any residues into the soil, where they are more quickly broken down. Following good agronomic practice ensure that stubble and straw (including farmyard manure) and other treated plant remains have completely decayed before planting susceptible crops.

### NOTES

For the best results apply BeetShield when the weeds are actively growing. Control of mayweeds may be reduced if they are suffering from drought stress at the time of application.

Control of creeping thistle and other perennial weeds may be impaired by cultivations either before or within a period of two weeks after application of BeetShield.

In common with good spraying practice BeetShield should not be applied when the crop is damp or when rainfall is expected within six hours.

Do not spray when crops are under stress from cold, drought, pest damage, nutrient deficiency etc.

Consult processors before using on crops grown for seed.

Do not apply to crops undersown with clover or other legume containing mixtures.

BeetShield is not subject to vapour drift, but do not spray in windy weather and avoid drift onto susceptible crops (e.g. seed potatoes). Take care to avoid drift onto crops and non-target plants outside the target area.

Wash spraying equipment thoroughly with water and a liquid detergent immediately after use. Spray out. Fill with clean water and leave overnight. Spray out again before storing or using another product, particularly where changing over from herbicide to insecticides. Traces of BeetShield can cause harm to susceptible crops (e.g. seed potatoes) sprayed later.

BeetShield should be applied in tank mix with other products only if any requirement or restrictions on other product label do not conflict with the requirements or restrictions of BeetShield. Tank mixes should not be allowed to stand in the tank and agitation should be maintained at all times.

### MIXING

Fill the spray tank half full with water and add the required amount of BeetShield mixing well, then complete filling. If using a tank mix the other products should be mixed with the water first following the label instructions, and BeetShield added last. The spray mix must be agitated continuously until application is complete.

### SPRAY QUALITY

Apply BeetShield as a MEDIUM spray as defined by the BCPC system.

### ANNUAL WEED SUSCEPTIBILITY TO BEETSHIELD

Weed susceptibility to the most commonly recommended rates of BeetShield are given in the weed tables below. For further details of rates, timings, etc. please refer to the individual crop sections.

Weed	Growth Stage	
	1 litre/ha	2.0 litre/ha
<b>Susceptible: Good kill</b>		
Corn marigold	2 leaf	4 leaf
Creeping thistle (from seed)	4 leaf	6 leaf
Groundsel	6 leaf	10 leaf
Pineappleweed	4 leaf	8 leaf
Scented mayweed	4 leaf	8 leaf
Scientless mayweed	4 leaf	8 leaf
Smooth sow-thistle	2 leaf	4 leaf
<b>Moderately Susceptible: Moderate kill, strong suppression of survivors</b>		
Black-bindweed	1 leaf	2 leaf
<b>Moderately Resistant: Poor kill but useful suppression</b>		
Pale persicaria	1 leaf	2 leaf
Redshank	1 leaf	

### PERENNIAL WEED SUSCEPTIBILITY TO BEETSHIELD

Control by 1.0 litre/ha + 2.0 litres/ha programme.

Creeping thistle	S
Perennial sow-thistle	MS
Dandelion	S
Spear thistle	S
White clover (10 cm diameter)	MS

S = Susceptible; Complete or near complete kill  
MS = Moderately Susceptible; Good kill under favourable conditions

BeetShield applied in the 1.0 litre/ha + 2.0 litres/ha programme will also give some suppression of young plants of amphibious bistort and colt's-foot.

### SUGAR BEET, RED BEET, FODDER BEET AND MANGELS CONVENTIONAL VOLUMES

For the control of annual weeds apply 1.0 litre in 200 to 250 litres of water per hectare. For the control of creeping thistle apply 1.0 litre in 200 to 250 litres of water per hectare at the rosette stage, followed by a second application of 2.0 litres in 200 to 250 litres of water per hectare three to four weeks later.

**Use Alone**  
BeetShield may be used alone from the fully expanded cotyledon stage of the crop.

**Compatibility**  
BeetShield at 1.0 litre/ha is compatible with the following products at the rate recommended by the manufacturers.

	Minimum Crop Size	Notes
GloFlo+ Headland Diamond	First true leaves 10 mm long	Improves control of thistles and black-bindweed

### LOW DOSE PROGRAMME

#### Compatibility

BeetShield at 1.0 litre in 80 to 100 litres of water per hectare may be applied as part of the sequential low dose programme with the following products.

	Minimum Crop Size	Notes
GloFlo+ Headland Diamond	First true leaves 10 mm long	Improves control of thistles and black-bindweed

BeetShield can be included once at any stage of the programme with the other herbicides provided the products are used according to manufacturers' instructions. To complete control of creeping thistle a second application of BeetShield alone at 2.0 litres/ha in 200 to 250 litres of water per hectare should be made 3 to 4 weeks later.

### OILSEED RAPE AUTUMN SOWN OILSEED RAPE

BeetShield can be applied to all varieties of autumn sown oilseed

rape in the spring from the two fully expanded leaf stage but before the flower buds are visible above the crop canopy.

### Perennial Weed Control

For the control of creeping thistle apply BeetShield at 2.0 litres in 200 to 250 litres of water per hectare at the weed rosette stage (up to 30 cm across).

### Annual Weed Control

For annual weeds apply BeetShield at 1.0 litre/ha in the spring. In competitive crops of oilseed rape, mayweeds up to 10 cm in diameter will be well controlled by BeetShield at 1.0 litres/ha.

Apply in a water volume of 200-400 litres/ha.

### SPRING SOWN OILSEED RAPE

BeetShield can be applied to all varieties of spring sown oilseed rape for the control of annual weeds or creeping thistle. For annual weeds apply BeetShield at 1.0 litre in 200 to 250 litres of water per hectare. For creeping thistle apply BeetShield at 1.0 litre/ha at the rosette stage followed by a second application three to four weeks later of 2.0 litres in 200 to 250 litres of water per hectare.

### SWEDE AND TURNIP

BeetShield may be applied to all types and varieties of swede and turnip in the spring. For the control of annual weeds apply BeetShield at 1.0 litre in 200 to 250 litres of water per hectare. For the control of creeping thistle apply BeetShield at 1.0 litre/ha for the first application at the rosette stage, followed by a second application three to four weeks later of 2.0 litres/ha in 200 to 250 litres of water per hectare.

Application should only be made to direct drilled brassica crops after they have reached the two true leaf expanded stage. Transplanted crops can be treated once they are growing strongly and are fully established. Some chlorosis or leaf distortion may occur in crops with a reduced coating of leaf wax (e.g. due to soil acidity).

### Compatibility

BeetShield when used at 2.0 litre/ha should not be tank mixed for use on any brassica crop.

### GRASSLAND

BeetShield can be applied to all species and varieties of grass in established leys or permanent pastures following removal of any livestock. As an overall treatment, BeetShield should be applied at 2.0 litres/ha in a water volume of 300 to 400 litres/ha.

Application should be made when weeds are actively growing at the 15 to 30 cm rosette stage. If grass has been cut for hay or silage, treat at least 2 to 3 weeks after cutting when sufficient regrowth has occurred.

### NOTE:

A 7 day period must elapse between the application of BeetShield and the reintroduction of livestock, or the cutting for hay or silage. Do not use on amenity grassland Do not use on newly sown grass

### ORNAMENTAL PLANT PRODUCTION

BeetShield can be applied as a directed spray on ornamental trees and shrubs, but all spray or drift contact with leaves, buds, suckers, or green stems of the crop must be avoided using a shielded or hooded spray if necessary.

Do not apply BeetShield within the root zone of species of the family Compositae (e.g. Senecio spp.) or Papilionaceae (e.g. Laburnum, Genista, Cytisus spp.).

Apply BeetShield at 2.0 litres in 200 litres of water per hectare at the optimum time for control of target weeds (creeping thistle at the rosette stage up to 30 cm across).

### COMPATIBILITY

For the latest advice on tank mixes please contact DHM Agrochemicals.



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