



BEETSHIELD 200

HERBICIDE

BEETSHIELD 200 is a post-emergence foliar acting herbicide for use in many arable, forage and horticultural crops for the control of some annual broad-leaved weeds, but especially for the control of thistles. Soluble Concentrate (SL) containing 200 g/l (18.2 % w/w) clopyralid.

1 Litre
200 g/l CLOPYRALID

BEETSHIELD 200

FOR PROFESSIONAL USE ONLY

Crop	Max. individual dose	Max. total dose	Latest time of application
Barley, oats, triticale & wheat	0.35 l/ha	0.35 l/ha	Before 3rd node detectable stage (GS 33)
Sugar beet, red beet, fodder beet, mangels, swede & turnip	1.0 l/ha	1.5 l/ha	When plants meet between the rows (BBCH 39)
Oilseed rape (winter and spring)	1.0 l/ha	1.5 l/ha	Before flower buds visible from above crop canopy
Grassland (established)	1.0 l/ha	1.0 l/ha	7 days before grazing or cutting for hay or silage
Outdoor woody ornamentals	1.0 l/ha	1.0 l/ha	-

SAFETY INFORMATION

Keep out of reach of children.
Keep away from heat/sparks/open flames/hot surfaces – No smoking.
Do not eat, drink or smoke when using this product.
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. 05805

Do not contaminate water with the product or its container.
Do not clean application equipment near surface water.
Avoid contamination via drains from farmyards and roads.
Extreme care must be taken to avoid spray drift onto non-crop plants outside of the target area.

Other safety information

Operator protection
DO NOT BREATHE SPRAY.
WASH CONCENTRATE FROM SKIN OR EYES IMMEDIATELY.
WASH HANDS AND EXPOSED SKIN BEFORE MEALS AND AFTER WORK.

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.
DO NOT RE-USE CONTAINER FOR ANY OTHER PURPOSE.

PROTECT FROM FROST

BATCH NO: see bottle

DHM Agrochemicals Limited

Castle Lodge, Kilgobbin Road, Dublin 18
Telephone: (01)2952377
Fax: (01)2959399



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

Do not contaminate water with the product or its container.

Do not clean application equipment near surface water.

Avoid contamination via drains from farmyards and roads.

Extreme care must be taken to avoid spray drift onto non-crop plants outside of the target area.

Other safety information

Operator protection

DO NOT BREATHE SPRAY.

WASH CONCENTRATE from skin or eyes immediately.

WASH HANDS AND EXPOSED SKIN before meals and after work.

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. DO NOT RE-USE CONTAINER FOR ANY OTHER PURPOSE.

DIRECTIONS FOR USE

BEETSHIELD 200 is a post-emergence foliar acting herbicide. Although uptake can occur through roots and shoots BEETSHIELD 200 is taken up best by actively growing weed leaves. It is fully translocated throughout the plant and affects all parts of susceptible weeds. In mayweeds and thistles activity is greatest at the growing points, where death occurs first.

RESTRICTIONS

On the following food and fodder crops the statutory interval between the last application and harvest, consumption or conservation is the following:

Established grassland	- 7 days
Sugar beet, fodder beet, mangel, red beet	- 6 weeks
Swede, turnip	- 6 weeks
Wheat, barley & oats	- before GS 33 (GS 32 inclusive)
Oilseed rape (crop canopy)	- apply before flower buds are visible from above

Straw from crops treated with BEETSHIELD 200 should be baled and taken off the land. Do not use straw from crops treated with BEETSHIELD 200 for use in compost, manure or other use that may enable such straw to be used for any glasshouse or protected crop. Do not use manure from animals fed on crops treated with BEETSHIELD 200 for composting.

Do not apply BEETSHIELD 200 to crops undersown with clovers, sainfoin, vetches or other legumes. 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 200. Do not apply to wet crops or when rain is expected within 6 hours of spraying.

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

Contract agents should be consulted before using on crops grown for seed.

Consult processors before using on crops for processing.

WEED CONTROL

BEETSHIELD 200 is active on a range of annual weeds, such as fat hen, but it should particularly be used for the control of thistles at a later stage.

Annual Weed Control

Unless otherwise specified, an application of 0.5 litres/ha BEETSHIELD 200 can be made to control annual weeds.

Weed	Susceptibility	Weed growth stage
Black-bindweed	MS	1 leaf
Corn marigold	S	2 leaf
Groundsel	S	6 leaf
Pale persicaria	MR	1 leaf
Pineappleweed	S	4 leaf
Redshank	MR	1 leaf
Mayweed spp	S	4 leaf
Smooth sow-thistle	S	2 leaf

S = susceptible; complete or near complete kill.

MS = moderately susceptible; good kill under favourable conditions.

MR = moderately resistant; poor kill but useful suppression.

Those weeds listed as susceptible may be controlled at a larger growth stage by the higher rate of use for perennial weed control.

Perennial Weed Control

Apply at 0.5 litre/ha. For the control of thistles a second application can be made at 1 litre/ha, which is usually 3-4 weeks after the first application. When thistles are present at the time of the application the dose of the first application can be increased to 1 litre/ha. However, please refer to the section 'CROP SPECIFIC INFORMATION' for advice on the different crops.

Weed	Susceptibility
Creeping thistle	S
Dandelion	S
Perennial sow-thistle	MS
Spear thistle	S

S = susceptible; complete or near complete kill.

MS = moderately susceptible; good kill under favourable conditions.

MR = moderately resistant; poor kill but useful suppression.

Weeds are best controlled when they are growing actively.

The optimum timing of sprays targeted against thistles is at the 'rosette stage'.

Under cold, waterlogged or very dry conditions results will be reduced due to poorer plant growth in response to these circumstances.

Resistant weeds

Many weeds are resistant to BEETSHIELD 200. These include all Crucifer and Brassica weeds. They can however be controlled in tank mixture with other herbicides, provided the partner chemical is safe to the crop being treated and is used in accordance with the partner label.

Guidance is given on tank mixtures under the separate crop recommendations.

CROP SPECIFIC INFORMATION

1. CEREALS AND OILSEED RAPE

Winter and spring wheat, winter and spring barley and oats

For the control of annual weeds apply 0.35 litre/ha in the spring from second leaf stage (GS 12), to before the third node is detectable (up to and including GS 32).

BEETSHIELD 200 gives best results when applied with other herbicides in tank mixture provided the timings and conditions of use of the partner product coincide with those of BEETSHIELD 200. Please refer to the section 'Compatibility' for further information about the possible mixing partners of BEETSHIELD 200.

Oilseed rape (winter or spring sown crops)

Apply 0.5 litre/ha in the spring for the control of annual weeds or 1.0 litre/ha in the spring for the control of creeping thistle, which is usually 3-4 weeks after the first application. Applications may be made from the two fully expanded leaf stage of the crop to before flower buds are visible at top of crop.

Please refer to the section 'Compatibility' for further information about the possible mixing partners of BEETSHIELD 200.

2. BEET CROPS AND FODDER CROPS

Sugar beet, fodder beet, red beet and mangel

BEETSHIELD 200 can be used once in repeat low dose herbicide programming on sugar beet, from the fully expanded cotyledon stage of the crop, in 80-100 litres/ha of water. Apply 0.5 litres/ha in tank mixture.

Where thistles are present an (additional) application of BEETSHIELD 200 alone at 1.0 litre/ha in 200-300 litres/ha water, may be used which is usually 3-4 weeks after the first application.

Please refer to the section 'Compatibility' for further information about the possible mixing partners of BEETSHIELD 200.

Swede, turnip

Apply 0.5 litre/ha for broad-leaved weed control once the crop has reached the two true leaf expanded stage.

Where thistles are a problem an (additional) application of 1.0 litre/ha can be made, which is usually 3-4 weeks after the first application.

Established grassland

BEETSHIELD 200 can be used on permanent grassland and rotational grass that has been sown for at least one growing season. Livestock should not be left in fields to be sprayed. Application should be made when weeds are actively growing.





Apply 1.0 litre/ha. After grazing or cutting allow at least 2-3 weeks for regrowth of weeds before applying BEETSHIELD 200. An interval of 7 days must elapse after spraying BEETSHIELD 200 before livestock are re-introduced or the grass is cut for hay or silage.

3. HORTICULTURAL CROPS

Ornamental plant production

Applications must be only via directed sprays only to target weed foliage. Do not use between the end of August and beginning of March. Apply 1.0 litre/ha for the control of annual weeds or thistles.

BEETSHIELD 200 can be sprayed at the optimum time for control of target weeds but it must only be applied to the weeds. Spray must be kept off ornamental plant foliage, buds, green wood or suckers, using a shielded sprayer if necessary. Do not apply in the root zone of the Compositae (e.g. Senecio) or Leguminosae (e.g. Laburnum, Genista) families.

FOLLOWING CROPS

Plant remains from crops treated with BEETSHIELD 200 may contain active clopyralid that could adversely affect succeeding crops especially peas, beans, lupins and other legumes, carrots, parsnips, parsley and other umbellifers, potatoes, lettuce and other compositae, glasshouse and protected crops.

After crops treated with BEETSHIELD 200 (excluding cereals) Do not plant susceptible crops in the same year as BEETSHIELD 200 has been applied or in the spring where BEETSHIELD 200 has been applied after July the previous year.

Chop and incorporate all treated plant remains as soon as possible after harvest to release residues into the soil where they are more quickly broken down. Ensure all plant remains from treated crops have fully decayed before planting susceptible crops. After cereals treated with BEETSHIELD 200 Where straw from treated crops has been incorporated into the soil, only tolerant crops (e.g. cereals) should be drilled in the same year as treatment with BEETSHIELD 200.

MIXING AND SPRAYING

Mixing

Half fill the spray tank with clean water. If using in tank mixture add the mixture product first, in accordance with the mixture product label instructions, followed by the required quantity of BEETSHIELD 200.

Add the remainder of the water and begin agitation.

Continue agitation until spraying is completed.

Individual tank mix recommendations are given for separate crops.

When BEETSHIELD 200 is to be used with other products in tank mixture read the instructions of the partner product before mixing the spray.

Ensure that the mixing instructions and conditions of use for the partner product are compatible with those of BEETSHIELD 200.

Spraying

Use a medium quality spray. Apply in a water volume of 200-300 litres/ha. Use the higher volume on larger weeds or where the crop is dense.

On very large weeds and in established grassland use 300-400 litres/ha.

After spraying

BEETSHIELD 200 is active on susceptible plants and crops at very low doses, especially those of the Compositae and Leguminosae families.

After spraying with BEETSHIELD 200 wash spray 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. Dispose of the washings according to the official "Code of Practice for Farmers and Growers".

COMPATIBILITY

In cereals, oilseed rape and beet crops, BEETSHIELD 200 can be used in tank-mix with other approved products.

BEETSHIELD 200 should be applied in recommended tank mix with other products only if any requirements or restrictions on the other product label do not conflict with the requirements or restrictions of BEETSHIELD 200.

Cereals

BEETSHIELD 200 can be tank mixed with the following approved formulations of: MCPA salt, mecoprop salt and/or fluroxypyr.

Oilseed Rape

BEETSHIELD 200 is compatible with the following approved formulations of: deltamethrin or mancozeb.

Beet

Conventional application:

BEETSHIELD 200 can be used in combination with approved formulations of: phenmedipham, lenacil, metamitron and/or adjuvants oils.

Repeat low dose programme:

BEETSHIELD 200 can be used with approved formulations of: phenmedipham, ethofumesate, desmedipham + ethofumesate + phenmedipham, metamitron and/or adjuvant oils.

Use these tank mixtures in accordance with the crop timing and other conditions of use on the mixture partner's label.

CONDITIONS OF SUPPLY

All goods supplied by us are of high grade and suitable for use. Since we cannot control the conditions of storage, handling or use or the weather conditions before or after application which may affect the performance of the goods, all conditions and warranties, statutory or otherwise, as to the quality of fitness of our goods are excluded. We cannot therefore accept any responsibility for any failure in performance, damage or injury whatsoever, arising from storage, handling, application or use.

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