



Product Identifier according to Art. 18 of Reg. (EC) No 1272/2008 [CLP]: Flexidor®
WARNING

Very toxic to aquatic life with long lasting effects

Collect Spillage
Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except

for empty clean containers which can be disposed of as non-hazardous waste.

Contains 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

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

IMPORTANT INFORMATION.

FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL/FORESTRY HERBICIDE

Crops/Situations: } WINTER WHEAT, BARLEY, RYE, OAT TRITICALE, CHERRIES, PLUMS, APPLE AND PEAR ORCHARDS, STRAWBERRY, BERRIES, HOPS, ORNAMENTAL PLANT PRODUCTION, FORESTRY, AMENITY VEGETATION.

Maximum Individual Dose: }
Maximum Number of Treatments: } Full details are given in the 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.



Dow AgroSciences



HERBICIDE

Product Registration Number: MAFF 05121

A suspension concentrate containing 500 g/litre (12.14% w/w) isoxaben.

A residual herbicide for the control of BROAD-LEAVED WEEDS in WINTER AND SPRING WHEAT, BARLEY and OATS, RYE, TRITICALE, DURUM WHEAT, TOP, BUSH, CANE FRUIT, STRAWBERRY, GRAPEVINE and HOP, ORNAMENTAL PLANT PRODUCTION, FORESTRY and AMENITY VEGETATION.

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work

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

READ DIRECTIONS FOR USE ON ATTACHED LEAFLET.

STORE IN AREAS FREE OF FROST.

0.5 Litres e

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This label is compliant with the CPA Voluntary Initiative Guidance



SAFETY PRECAUTIONS

Operator protection:

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- a) Operators must wear suitable protective clothing (coveralls), suitable protective gloves, rubber boots and face protection (faceshield) when handling the concentrate.
- b) Operators must wear suitable protective clothing (coveralls), suitable protective gloves and rubber boots when applying by hand-held equipment.
- c) Operators must wear suitable protective gloves when handling contaminated surfaces.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

WASH HANDS AND EXPOSED SKIN before meals and after work. **WHEN USING DO NOT EAT, DRINK OR SMOKE.**

Environmental protection:

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

To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 m of the top of the bank of a static or flowing water body, unless a Local Environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1 m of the top of a ditch which is dry at the time of application. DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1 m of the top of the bank of a static or flowing water body Aim spray away from water.

This product qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with CRD's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years.



P 9 9 0 3 2 5 1 7 1 6 0 8



KEEP LIVESTOCK out of treated areas for at least 50 days following treatment.
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.

Storage and disposal:

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

EMPTY CONTAINER COMPLETELY and dispose of safely.

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/FORESTRY HERBICIDE

Crops	Maximum Individual Dose	Maximum Number of Applications	Latest Timing of Application
Winter wheat, winter barley, winter oats, autumn-sown spring wheat, winter rye, triticale, durum wheat	0.25 litre product per hectare OR 0.15 litre product per hectare	One per crop	Before 1 January in year of harvest
Spring wheat, spring barley, spring oats	0.25 litre product per hectare	One per crop	Before second node detectable stage or 1 April whichever is the sooner
Ornamental plant production, amenity vegetation and forest nursery	0.5 litre product per hectare	Two per crop or - two per annum	
Top, bush, cane fruit, strawberry, grapevine and hop	0.5 litre product per hectare	One per crop	Before 1 April in year of harvest
Forestry (tree, nursery), ornamentals (tree, shrub)	0.5 litre product per hectare	Two per crop or - two per annum	

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WARNINGS

FLEXIDOR* has residual activity which may influence husbandry prior to the next crop in the rotation.

Following crops of oilseed rape, stubble turnips, other brassicas, sugar and fodder beet are particularly sensitive to FLEXIDOR. Land must be mouldboard ploughed to at least 20 cm following the use of FLEXIDOR before drilling/planting succeeding crops other than cereals, fruit crops, herbage seed crops, grass leys and amenity grass, forestry plantings, hardy ornamental crops and plantings, potatoes and maize.

Do not use FLEXIDOR in the 12 months prior to grubbing any fruit crop or lifting field grown hardy ornamental nursery stock or forestry plants if sugar beet, vegetables, oilseed rape or other brassica crops are to be grown as a following crop.

The practice of soil sterilisation may retard the normal degradation of FLEXIDOR and thus may pose a risk to following crops. Do not therefore carry out both soil sterilisation and application of FLEXIDOR within the two years prior to replanting.

When FLEXIDOR is used in tank mix or in sequence with other products, consult other manufacturer's recommendations for following crops.

In the event of crop failure treated soil should first be cultivated. Only cereals or grass may then be sown.

Before use on crops for processing, consult your processor.

RESISTANCE

Avoid using single mode of action herbicides in the same field over a number of years. Growers are advised to apply products containing herbicides with different modes of action or use sequences or tank mixtures where two or more components are active against the target weeds.

MIXING

To ensure thorough mixing of the product invert the container several times before opening. Add the required amount of FLEXIDOR herbicide to a half-filled spray tank under agitation and complete filling the tank.

APPLICATION EQUIPMENT

FLEXIDOR may be applied through tractor mounted hydraulic sprayers and knapsack sprayers equipped with nozzles producing a medium spray quality as defined by the BCPC system. For tractor mounted hydraulic sprayers use a standard boom sprayer with bypass agitation. Ensure the pump has sufficient capacity to provide good agitation and generate adequate pressure. The spray boom and nozzles should be set to provide even coverage, which should be checked during application.

VOLUME AND SPRAY QUALITY

Apply FLEXIDOR in a volume of 100 to 400 litres of water per hectare. For hand-held knapsack situations refer to the relevant section. Apply as a MEDIUM spray as defined by the BCPC system.

TANK CLEANING

Thoroughly wash all spraying and measuring equipment with water immediately after use.

To avoid subsequent injury to crops, all spraying equipment must be thoroughly cleaned both inside and out after an application of Flexidor.

1. Immediately after spraying, drain tank completely. Any contamination on the outside of the spraying equipment should be removed by washing with clean water.
2. Rinse inside of tank with clean water and flush through booms and hoses using at least one tenth of the spray tank volume. Drain tank completely.
3. Half fill tank with clean water. Agitate and then briefly flush the boom and hoses. Top up with water making sure the tank is completely full and allow to stand for 15 minutes with agitation. Flush the boom and hoses and drain tank completely.
4. Nozzles and filters should be cleaned separately and removed if necessary.
5. For disposal of washings, follow local regulations. Do not spray onto sensitive crop or land intended for cropping with sensitive crop.

Note: If it is not possible to drain the tank completely, step 3 must be repeated before going onto step 4.

SEEDBED PREPARATION

The best results will be obtained when FLEXIDOR is applied to well prepared moist seedbeds free of clods. Rolling loose or fluffy seedbeds after drilling and prior to spraying will improve weed control.

SOILS

FLEXIDOR can be safely applied to sand, light, medium and heavy soils. The activity of FLEXIDOR may be reduced in soils with high levels of organic matter. Do not use on soils with more than 10% organic matter except on container grown hardy ornamental nursery stock. Application of organic manures will also reduce the level of weed control. FLEXIDOR should be applied before mulching. Leaf litter and prunings should be removed before application to allow even coverage of the product.

DRY SOIL CONDITIONS

Under dry soil conditions weed control may be reduced. Irrigation, where practicable, will enhance product performance. Tank mix partners will also contribute to improved weed control - see relevant crop section.

CEREALS

Refer to Warnings section before use.

WEED SUSCEPTIBILITY

At 0.2 litre/ha in cereals the following broad-leaved weeds are susceptible following an autumn application of FLEXIDOR before weed emergence and under conditions of adequate soil moisture.

Susceptible:

Charlock	Ivy-leaved speedwell
Common chickweed	Knotgrass
Common field-speedwell	Parsley-piert
Common fumitory	Pineappleweed
Common hemp-nettle	Red dead-nettle
Common mouse-ear	Redshank
Common poppy	Scarlet pimpernel
Corn marigold	Scented mayweed
Corn spurrey	Scentless mayweed
Fat-hen	Shepherd's-purse
Field forget-me-not	Small nettle
Field pansy	Volunteer rape
Green field-speedwell	Wild radish

Moderately Susceptible:

Groundsel

Moderately Resistant:

Cleavers (Weeds germinating from depth will not be controlled)

When used in conjunction with grass and other herbicides lower rates may be used (see Recommendations).

CROPS

FLEXIDOR may be used on all varieties of winter wheat, barley, triticale, rye and oats.

TIMING

FLEXIDOR alone may be used pre- or early post-emergence to the crop.

Before Weed Emergence

FLEXIDOR will control a wide range of broad-leaved weeds when applied before they have emerged. When used alone, FLEXIDOR should always be used before weed emergence. See Seedbed Preparation.

After Weed Emergence

FLEXIDOR may also be used after weeds have emerged but it must be used in conjunction with an appropriate post emergence herbicide, either in tank mix or sequentially.

DRY SOIL CONDITIONS

Under dry soil conditions weed control may be reduced, so with early planted crops (August and September), pre-emergence applications should be made within three days and preferably within 24 hours of drilling. If this is not possible FLEXIDOR should be used in combination with a recommended pre-emergence herbicide, or alternatively a later post-emergence application can be made with an appropriate post-emergence herbicide.

CHERRIES, PLUMS, APPLE AND PEAR ORCHADS

Refer to Warnings section before use.

Apply from dormant stage to flowering. (BBCH00-BBCH69). Apply as a banded application within the planted row at a dose rate of 0.5 litres/ha. Do not exceed a total of 0.36 litres of product per hectare this means that only 72% of any one hectare may be sprayed. For example a row width of 4.0m could be sprayed followed by a pathway of 0.72m.

BLACK CURRANT, GOOSBERRY, BLACKBERRY, RASPBERRY

Refer to Warnings section before use.

Apply dormant stage to leaf tips extended beyond scales (BBCH00-BBCH09). Apply at a dose rate of 0.5 L/ha.

STRAWBERRY

Refer to Warnings section before use.

Apply 1-3 weeks after planting, Apply at a dose rate of 0.4 L/ha.

HOPS

Refer to Warnings section before use.

Apply before the hop plants emerge. Apply as a banded application to the planted row at a dose rate of 0.5 litres/ha. Do not exceed a total of 0.15 litres of product per hectare this means that only 30% of any one hectare may be sprayed. For example a row width of 2.0 m could be sprayed followed by a pathway of 6.6 m.

FLEXIDOR + KERB 50W/KERB FLO

Treat apples, pears, plums, blackcurrants, gooseberries, blackberries, summer fruiting raspberries (England only) and strawberries in November to January.

WEED SUSCEPTIBILITY

The following broad-leaved weeds are susceptible following application of FLEXIDOR before weed emergence and under conditions of adequate soil moisture. FLEXIDOR does not control grass weeds.

Susceptible:

Charlock
Common chickweed
Common field-speedwell
Common fumitory
Common hemp-nettle
Common mouse-ear

Ivy-leaved speedwell
Knotgrass
Parsley-piert
Pineappleweed
Red dead-nettle
Redshank

Common poppy
Corn marigold
Corn spurrey
Fat-hen
Field forget-me-not
Field pansy
Green field-speedwell

Moderately Susceptible:

Groundsel

Moderately Resistant:

Cleavers (Weeds germinating from depth will not be controlled)

FOREST NURSERY, ORNAMENTAL PLANT PRODUCTION, AMENITY VEGETATION

Refer to Warnings section before use.

WEED SUSCEPTIBILITY

Crop/Situation: Forestry transplant lines, second year undercuts, forests and woodland plantings, field grown hardy ornamental nursery stock, ornamental plantings of trees and shrubs

For application rates, refer to the relevant section.

Susceptible:

Common chickweed
Common field-speedwell
Common fumitory
Common mouse-ear
Common orache
Common poppy
Corn marigold
Corn spurrey
Fat-hen
Field forget-me-not
Field pansy
Green field-speedwell
Hairy bitter-cress

Scarlet pimpernel
Scented mayweed
Scentless mayweed
Shepherd's-purse
Small nettle
Volunteer rape
Wild radish

Ivy-leaved speedwell
Parsley-piert
Pineappleweed
Red dead-nettle
Redshank
Ribwort plantain
Scarlet pimpernel
Scented mayweed
Shepherd's-purse
Small nettle
Volunteer rape
Wild radish

Moderately Susceptible:

Groundsel**

Moderately Resistant:

Cleavers (Weeds germinating from depth will not be controlled)

Crop/Situation: Container grown hardy ornamental nursery stock

For application rates, refer to relevant label section.

Susceptible:

Common chickweed

Pearlwort

Hairy bitter-cress

Shepherd's-purse

Moderately Susceptible:

Groundsel**

FOREST NURSERY

In view of the large number of forestry species and cultivars grown, test FLEXIDOR for crop safety on a small number of plants before overall application.

FLEXIDOR may be applied to the following crop species and situations:

Forestry Transplants, Second Year Undercuts, Forests and Woodlands:

Before application of FLEXIDOR, ensure plants have good root development.

Conifers:

Austrian pine

Noble fir

Caucasian fir

Norway spruce

Colorado spruce

Scots pine

Douglas fir

Serbian spruce

European larch

Sitka spruce

Japanese larch

Broad-leaved trees:

Alder

Oak

Ash

Poplar

Beech

Sweet chestnut

Birch

Sycamore

Cherry

Willow

APPLICATION**Rates of use, water volumes and timing**

Crop/Situation	Rate		Water Volume		Timing and Comments
	litres/ha	ml/100 m ²	Tractor mounted machine (litres/ha)	Knapsack sprayer (litres/100m ²)	
Forestry transplants and second year undercuts	0.5	5.0	100-400	5	After transplanting apply to firm, moist soil, free of clods prior to weed germination. Irrigate as necessary to prevent the soil surface from becoming dry. Where control of grasses and emerged broad-leaved weeds is needed tank mix with KERB FLO.
Forest and woodland plantings	0.5	5.0	100-400	5	Apply to newly planted or established trees before weed emergence. Soil should be firm, moist and free of clods. Where control of grasses and emerged broad-leaved weeds is needed tank mix with KERB FLO.

ORNAMENTAL PLANT PRODUCTION AND AMENITY VEGETATION

FLEXIDOR may be applied to broad leaved trees and shrubs as an overall spray in the dormant season or as a directed spray at other times, ensuring that the spray does not fall on any foliage present.

In view of the large number of ornamental species and cultivars grown, test FLEXIDOR for crop safety on a small number of plants before overall application.

In amenity plantings of trees and shrubs, bedding plants should not be treated, as crop safety has not been determined.

FLEXIDOR may be applied to the following ornamentals:

Conifers:

Chamaecyparis

Pseudotsuga

Cupressocyparis

Thuja

Juniperus

Tsuga

Pinus

Broad-leaved trees
and shrubs:

Acer	Escallonia	Potentilla
Alnus	Euonymus	Prunus
Amorpha	Fagus	Quercus
Berberis	Forsythia	Ribes
Betula	Fraxinus	Robinia
Calutea	Gleditsia	Rosa
Campsis	Groseillier	Salix
Caragama	Hebe	Skimmia
Carpinus	Hibiscus	Sophora
Cassis	Hypericum	Spirea
Cornus	Laburnum	Tamarix
Corylus	Ligustrum	Tilia
Cratageus	Philadelphus	Weigela
Deutzia	Populus	

APPLICATION

Rates of use, water volumes and timing

Crop/Situation	Rate		Water Volume		Timing and Comments
	litres/ha	ml/100m ²	Tractor mounted machine (litres/ha)	Knapsack sprayer (litres/100m ²)	
Container grown hardy ornamental nursery stock (protected and unprotected stock)	0.5	5.0	100-400	10	Apply to newly potted or established plants. For newly potted plants allow compost to settle for 7-10 days before application. Repeat as necessary but no more than two applications per year. The compost should be firm and free of emerged weeds at application. Rainfall or irrigation (20-30 mm) is required within 3 days after treatment to activate FLEXIDOR and to ensure its correct positioning in the upper layer of the compost.
Field grown hardy ornamental nursery stock	0.5	5.0	100-400	5	Apply to new or established plantings. Soils should be firm, moist, free of clods and emerged weeds at application. Repeat as necessary but no more than two applications per year. Irrigate as necessary to prevent the soil surface from becoming dry. Where control of grasses and emerged broad-leaved weeds is needed tank mix with KERB FLO.

Rates of use, water volumes and timing (continued)

Crop/Situation	Rate		Water Volume		Timing and Comments
	litres/ha	ml/100 m ²	Tractor mounted machine (litres/ha)	Knapsack sprayer (litres/100 m ²)	
Amenity plantings of trees and shrubs	0.5	5.0	100-400	5	Apply to newly planted or established trees and shrubs before weed emergence. Soil should be firm, moist and free of clods. Where control of grasses and emerged broad-leaved weeds is needed tank mix with KERB FLO.

TRADEMARK ACKNOWLEDGEMENTS

FLEXIDOR AND KERB are trademarks of the Dow Chemical Company ("Dow") or an affiliated company of Dow

Conditions of Supply

All goods supplied by us are of high grade and we believe them to be suitable but, as we cannot exercise control over their storage, handling, mixing or use, or the weather conditions before, during or after application which may affect the performance of the goods, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded. No responsibility will be accepted by us or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such goods.

Dow AgroSciences Limited

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To access the Safety Data Sheet for this product scan the QR code or use the weblink below:



<http://uk.dowagro.com/wp-content/uploads/FLEXIDOR-SDS.pdf>

Alternatively contact your supplier

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