



ChemSource
Growing Together

CHIKITA

(MAPP 14675)

Contains 25% w/w flazasulfuron as a water-dispersible granule formulation.

CHIKITA is a non-selective residual sulfonyl urea herbicide for weed control on natural surfaces not intended to bear vegetation, permeable surfaces overlying soil and hard surfaces (railway ballast only).

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

Contents: 150 grams

Batch No. 000000

ChemSource Limited
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Calleva Park,
Aldermaston
Reading, Berks.
RG7 4NN
United Kingdom

For 24 hour emergency information contact ChemSource 0845 459 4039.

FOR USE ONLY AS AN INDUSTRIAL HERBICIDE

Crops	Maximum individual dose	Maximum number of treatments.
Natural surfaces not intended to bear vegetation, permeable surfaces overlying soil and hard surfaces (railway ballast only).	150 g/ha	One per year

READ THE LABEL AND SAFETY PRECAUTIONS BEFORE USING. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTANT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS

CHIKITA (MAPP 14675)

A water dispersible granule formulation containing 25% w/w flazasulfuron.



VERY TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT

DANGEROUS FOR THE ENVIRONMENT

This material and its container must be disposed of in a safe way. Use appropriate containment to avoid environmental contamination.

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

SAFETY PRECAUTIONS

Operator Protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE GLOVES when handling the concentrate and when handling contaminated surfaces.

WEAR SUITABLE PROTECTIVE CLOTHING (impermeable coveralls), SUITABLE PROTECTIVE GLOVES and RUBBER BOOTS when using handheld equipment.

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

WHEN USING, DO NOT EAT, DRINK OR SMOKE.

WASH ANY CONTAMINATION from skin and eyes immediately.

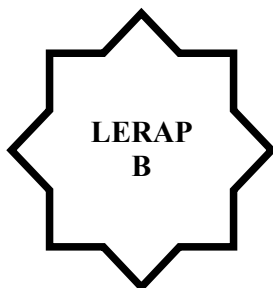
WASH CONCENTRATE from skin and eyes immediately.

WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.

WASH HANDS AND EXPOSED SKIN before eating, drinking or smoking and after work.

Environmental Protection

DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with this product or its container.



DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5m of the top of a bank of a static or flowing water body unless a Local environmental Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, nor within 1m of the top of a ditch which is dry at the time of application. Aim spray away from water.

DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1m of the top of the bank of a static or flowing water body. Aim spray away from water.

DO NOT ALLOW DIRECT SPRAY from train sprayers to fall within 5m of the top of the bank of any static or flowing water body. Do not allow direct overspray of static or flowing surface waters.

Use appropriate containment to avoid environmental contamination.

This product qualifies for inclusion within the Local Environmental 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 PSD'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.

Storage and Disposal

KEEP IN ORIGINAL CONTAINER tightly closed in a safe place.

EMPTY CONTAINER COMPLETELY and dispose of safely.

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

DIRECTIONS FOR USE

NOTE: These Directions for Use form part of the Approved Product label and must be read before using the product.

CHIKITA is approved for weed control on natural surfaces not intended to bear vegetation, permeable surfaces overlying soil (e.g. gravel) and hard surfaces composed of railway ballast. It must not be used on any non-porous man-made surface. For best results apply CHIKITA before weeds germinate. If weeds have emerged and are actively growing, apply CHIKITA in tank-mixture with glyphosate – see compatibility section.

Do not apply CHIKITA in windy conditions because of the risk of drift nor to weeds whose growth is inhibited by water-logging, drought, frost, high temperatures or where foliage is covered with dust. Application in these conditions can lead to poor control and weeds will require re-treatment.

RESTRICTIONS

- Do not treat areas which may later be required to grow crops or ornamental plants.
- Do not apply at high pressure due to the risk of drift.
- Avoid over-dosing.

Note that trials have been conducted to determine the effect of treatment on non-target species such as trees and shrubs which may be exposed to spray drift and these have been classified into three categories:

1. Tolerant to both soil and foliar sprays:

Himalayan Birch (*Betula utilis*)

CHIKITA may be safely sprayed around this species when used alone but consult the product label when used in mixture with glyphosate.

2. Damaged by foliar sprays but tolerant of application to the soil:

Border Forsythia (*Forsythia intermedia*)

Butterfly Bush (*Buddleia davidii*)

Cherry Laurel (*Prunus laurocerasus*)

Common Box (*Buxus sempervirens*)

Common Hazelnut (*Corylus avellana*)

Horse Chestnut (*Aesculus hippocastanum*)

Indian Bean (*Catalpa bignonioides*)

Japanese Rose (*Rosa rugosa*)

Lawson Cypress (*Chamaecyparis lawsoniana*)

Lombardy Poplar (*Populus nigra, cv italica*)

London Plane (*Platanus acerifolia*)

Northern White Cedar (*Thuja occidentalis*)

Orange Cotoneaster (*Cotoneaster franchetii*)

Silver Birch (*Betula verrucosa*)

Small-leaved Lime (*Tilia cordata*)

Weigela (*Weigela styriaca*)

Western Red Cedar (*Thuja plicata*)

3. Damaged by both foliar sprays or application to the soil:

Chinese Privet (*Ligustrum sinense*)

Common Lilac (*Syringa vulgaris*)

Common Privet (*Ligustrum vulgare*)

Japanese Privet (*Ligustrum japonicum*)

Red-barked Dogwood (*Cornus alba*)

Note: If neighbouring species are not listed in any of the above lists, users are advised to test treat a small area to check for phytotoxic effects before applying CHIKITA to large areas. If the phytotoxic effects are too severe, do not use CHIKITA on this area.

Resistance

CHIKITA is a sulfonyl urea herbicide with the HRAC mode of action code B indicating that it is an ALS inhibitor. This is a mode of action that is at risk from resistance and it is important to manage this risk by incorporating the use of this product into a management strategy that includes cultural methods of control and does not rely solely on the use of ALS inhibitor herbicides. Guidelines on management strategies have been produced by the Weed Resistance Action Group and copies are available from your distributor, HGCA or CPA.

Only one application of CHIKITA is permitted per year and, when used post-emergence, it should be applied in tank-mixture with a herbicide product containing glyphosate – see compatibility section. Apply during appropriate weather conditions using correct nozzles to achieve maximum coverage. If unexpectedly poor results are obtained in any situation, please report this to your distributor.

APPLICATION INFORMATION

Dose: Apply one application of CHIKITA at 150g Product/ha in a water vol. of 200 – 600 L/ha. Use the higher water volume on post-emergence applications to dense weed infestations in mixture with glyphosate.

Timing: Apply CHIKITA pre-emergence of the weeds or post-emergence in mixture with glyphosate. Thus when applied alone, best timing is likely to be late winter or early spring before fresh weed emergence begins. Weed control will last for up to 5 months.

WEED CONTROL

CHIKITA will not control the following species:

Annual meadow-grass	Horsetail
Black nightshade	Narrow-leaved ragwort
Common field speedwell	Ribwort plantain
Common sowthistle	Smooth hawksbeard
Fat-hen	

There is currently no data available on the efficacy of pre-emergence applications of CHIKITA against the following species:

Broad-leaved docks	Mallows
Common nettle	Ragwort
Creeping thistle	

There is limited data on the efficacy against common nettle but no data is currently available on the effectiveness of CHIKITA + glyphosate against the following species:

Broad-leaved dock	Creeping thistle
Common nettle	Mallows
Common ragwort	

CHIKITA + glyphosate will give up to 3-4 months control of the following species:

Common dandelion	Rosebay willowherb
Common ragwort	Scentless mayweed
Creeping thistle	Smooth cat's-ear
Hairy rocket	Smooth hawksbeard
Ribwort plantain	Spear thistle

APPLICATION

CHIKITA can be applied either using a conventional hydraulic sprayer or, for smaller areas and for more targeted application, via a knapsack sprayer. Select a nozzle to deliver the required application volume as a MEDIUM spray quality as defined by BCPC. Use a spray pattern that will achieve good coverage of large weeds when making post-emergence applications and ensure that no drift reaches non-targeted areas because this may seriously damage desired vegetation.

MIXING

Before spraying it is important to check all hoses, filters and nozzles, and to ensure that the sprayer is clean and correctly set to give an even application at the correct volume. Half fill the spray tank with clean water. Begin agitation and add the required quantity of CHIKITA directly to the tank. Add the remainder of the water and agitate the mixture thoroughly before and during spraying. When using a tank-mix, ensure that the MARVEL is fully dispersed in the tank before adding the partner product. Spray immediately after mixing. DO NOT store the dilute spray in the spray tank overnight.

COMPATIBILITY

When applied to weeds that have already emerged, CHIKITA should be applied in mixture with one of the following glyphosate formulations: MAPP 10330, MAPP 10570, MAPP 11976 or MAPP 12645.

CLEANING OF APPLICATION EQUIPMENT

The sprayer must be drained completely, rinsed with clean water and then decontaminated by washing with a dilute solution of ammonia (0.25% conc.) immediately after spraying is completed. Adjust the water volume used to dilute the ammonia solution according to the strength of the ammonia used. For example, one litre of a 1% ammonia solution should be diluted to 4 litres to achieve a 0.25% solution whereas one litre of a 6% solution of ammonia should be diluted to 24 litres to achieve the same strength, 0.25%.

Start the agitation and flush the hoses and boom. Then top up with water so that the tank is completely full and allow to stand for 15 minutes with the agitation running. Flush the boom and hoses again, drain the tank completely and dispose of the washings safely. DO NOT spray onto a sensitive crop or land intended to be cropped with a sensitive crop. For disposal of washings in the UK, follow the 'Code of Practice for the Safe Use of Pesticides on Farms and Holdings (MAFF Publications 1998) while in Ireland you should comply with local and national regulations. Nozzles and filters should be removed and cleaned separately with the same strength of ammonia solution.

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 and 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 and 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.

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