

Alion[®]

Net contents : 1 L, 3 L, 5 L, 15 L

Herbicide

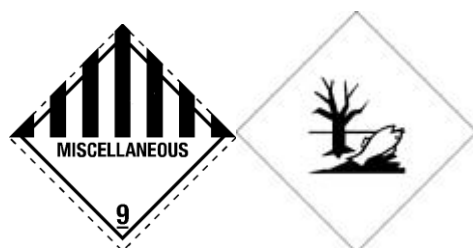
For the pre-emergence control of grass and broadleaved weeds in apples, grapes, pears and stonefruits

Contains: 500 g/l indaziflam in the form of a suspension concentrate

Registered pursuant to the ACVM Act 1997, No P9421
See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to the HSNO Act 1996, No HSR101193
See www.epa.govt.nz for approval conditions

DG Information



UN 3082
ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S (INDAZIFLAM SOLUTION)
PACKING GROUP III
CLASS 9
HAZCHEM CODE 3Z

IN A TRANSPORT EMERGENCY DIAL 111 POLICE OR FIRE BRIGADE



11/06/2019

WARNING**KEEP OUT OF REACH OF CHILDREN****HSNO Classifications:**

6.1E May be harmful if swallowed

6.9B May cause damage to organs through prolonged or repeated exposure

9.1A Very toxic to aquatic life with long lasting effects

9.2A Very toxic to the soil environment

PRECAUTIONS:

Do not eat, drink or smoke while using this product.

Remove protective clothing and wash hands and face thoroughly before meals and after work.

Avoid contact with the skin and eyes

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area

Do not apply directly into or onto water

PERSONAL PROTECTION:

When handling, wear full protective clothing such as impervious gloves, respirator, waterproof hat, coat and trousers (worn outside rubber boots).

STORAGE: Store in original container tightly closed and in a locked dry, cool, well-ventilated area, away from foodstuffs.**SPILLS AND DISPOSAL:** When dealing with spills wear personal protective clothing and equipment as described in the PERSONAL PROTECTION section.

Contain the spill by damming, recover spilt product by absorbing with sawdust or an inert absorbent material then transfer the recovered spilt material to a properly labelled drum. Deal with all spillages immediately. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.

Disposal: Dispose of this product only by using according to the label or at an approved landfill. Avoid contamination of any water supply with product or empty container.**Container Disposal:** Triple rinse container and add residue to mixture. Take to an Agrecovery collection site.**FIRST AID:**

If swallowed, do NOT induce vomiting. For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If skin contact occurs, remove contaminated clothing and flush skin with running water. If splashed in eyes, wash out immediately with water, if irritation persists get medical advice. If inhaled, move the victim to fresh air immediately.



11/06/2019

BEWARE: APPLY THIS PRODUCT CAREFULLY. SPRAY DRIFT MAY CAUSE SERIOUS DAMAGE TO OTHER DESIRABLE PLANTS.

DIRECTIONS FOR USE:

SUSCEPTIBLE WEEDS:

Alion is a soil applied pre-emergence herbicide for the control of grass and broadleaved weeds in apples and grapes.

MIXING: Ensure spray equipment is thoroughly cleaned before use. Ensure the suspension is thoroughly mixed. Shake before use. For larger containers, invert and roll several times to re-suspend the formulation. Add the required amount of Alion to a partly filled spray tank with the agitation system operating. Add the remaining water and any tank mixture partners.

Alion does not provide knockdown control of weeds. If weeds are present at time of application a knockdown herbicide (e.g. Buster or glyphosate) should be tank mixed with Alion. Maintain agitation until spraying is complete. Do not allow spray mixture to stand overnight. Flush equipment with clean water after use.

RESISTANCE MANAGEMENT

Group	L	Herbicide
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Indaziflam belongs to the alkyazine class of herbicides which work by inhibiting cell wall synthesis. Consequently, the herbicide will have limited effects on mature parts of a weed in which cellulose synthesis has ceased and cell wall formation is complete. Therefore, indaziflam works best as a pre-emergence herbicide.

Do not rely exclusively on Alion for weed control. Use as part of an integrated weed management program involving herbicides with other modes of action and non-chemical methods of control.

RECOMMENDATION:

Crop	Rate	Remarks
Apples	150 ml/ha	<p>Use a water rate of 150 - 300 L/ha. Do not apply Alion more than once per season</p> <p>Moisture is needed for the activation of Alion. Apply Alion to a moist soil or prior to a rainfall event or irrigation. Dry soil conditions following the application of Alion may result in reduced weed control</p> <p>Apply in the spring through to early summer prior to weed germination.</p> <p>Apply with a calibrated orchard herbicide sprayer unit using appropriate nozzles and spraying pressure to reduce the potential for drift.</p> <p>Apply to bare soil free of significant plant material to ensure complete soil coverage. Excessive weed mass on the soil surface may prevent a uniform distribution of Alion reaching the soil and consequently may reduce weed control.</p>
Grapes	150 ml/ha	
Pears	150 ml/ha	
Stonefruits	150 ml/ha	



		<p>Alion does not provide knockdown control of weeds. In dense stands of living weeds, an application of a foliar active knockdown herbicide at label rate first, then followed with Alion is recommended.</p> <p>Otherwise a knockdown herbicide (e.g. Buster or glyphosate) should be tank mixed with Alion.</p>
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RESTRICTIONS:

Do not apply in windy conditions.

Do not apply Alion with handheld or backpack equipment as a spot spray treatment.

Do not use Alion on trees and vines less than 3 years old and less than 5 years old respectively.

Avoid direct or indirect spray contact with crop foliage, green bark, roots or fruit as it may cause localized crop injury or death. Only trunks with callused, mature brown bark may be sprayed with Alion.

Do not apply Alion to soils that have open channels or cracks in the soil.

Do not use Alion on soils with 20% or more gravel content.

Do not use Alion on trees and vines that are stressed, exhibit low vigour or poor health.

Do not apply Alion to areas where soil erosion or runoff is likely to occur.

The maximum application rate for Alion is 150 ml/ha (0.075 kg indaziflam /ha).

Alion must not be applied into or onto water.

Alion must be applied using ground-based methods only with a low boom and coarse droplets.

Alion must not be applied within 2 metres of any waterbody.

WEEDS CONTROLLED

Applications should be made pre-emergence to all broad-leaved and grass weeds.

Broad-leaved Weeds	Grass Weeds
Black nightshade	Annual poa
Dandelion	Ryegrass
White clovers	Summer grass
Fathen	
Broad leaved fleabane	
Hawksbeard	
Mallows	
Scrambling speedwells	
Staggerweed	
Willow weed	
Wireweed	

COMPATIBILITY:

Alion can be mixed with Buster and glyphosate.

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.

WITHHOLDING PERIOD:

March/2019



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Apples, Pears: 56 days

Grapes: 70 days

Stonefruits: 30 days

Leaf plucking in vineyards: Sheep that have been grazing or fed treated crops should be withheld from slaughter or sale for at least 6 months.

CONDITIONS OF SUPPLY: READ THESE CONDITIONS OF SUPPLY BEFORE BUYING AND USING. IF THESE CONDITIONS ARE UNACCEPTABLE, RETURN AT ONCE UNOPENED.

To the extent permitted by law Bayer does not accept any liability or responsibility whatsoever for any loss, damage or injury whether direct, indirect or consequential howsoever arising in connection with these goods, including without limitation their storage, application, handling or use. Bayer does not make any warranties (express or implied) with respect to fitness for purpose, merchantable quality or any other matter.

To the extent only that Bayer is prevented by law from contracting out of the Consumer Guarantees Act, then these conditions apply subject to that Act. The Act shall not apply where these goods are acquired for business purposes.

Date of Manufacture:

Batch No:

Alion[®] is a registered trademark of the Bayer Group

Registered to:

Bayer New Zealand Limited

3 Argus Place, Hillcrest, Auckland 0627

Ph. 0800 428 246

EMERGENCY RESPONSE SERVICE (24 hrs) 0800 734 607

Bayer



A handwritten signature in blue ink, appearing to be "Mark Zimmig".

11/06/2019