

ECOTOXIC
KEEP OUT OF REACH OF CHILDREN



IGNITE™

HERBICIDE

Contains: 100 g/litre haloxyfop -P-methyl [R-isomer] as the methyl ester in the form of an emulsifiable concentrate

For selective control of grass weeds and storksbill in white clover, forestry, orchards, nurseries, non-crop areas and certain broadleaf crops



PLEASE READ ENTIRE LABEL BEFORE USE. SHAKE OR STIR WELL BEFORE USE.

HAZARD CLASSIFICATION: 6.1E, 6.4A, 6.9B, 9.1B

APPROVED HANDLER: This product must be under the control of an approved handler during use. See MSDS for full details.

WARNING: May be harmful if swallowed, inhaled or absorbed through the skin. May cause eye irritation, avoid contact with eyes. May cause organ damage from repeated oral exposure at high doses.

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 spilled on the skin, remove contaminated clothing and wash affected areas of skin. DO NOT SCRUB THE SKIN. If concentrate is splashed in the eyes, flush with running water for at least 15 minutes. Seek medical attention.

PERSONAL PROTECTION: Avoid contact with skin or inhalation of spray mist. Gloves should be worn at all times. Wear eye protection when handling the concentrate. Ensure adequate ventilation when handling the concentrate. Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash protective clothing daily after work. Do not eat, drink or smoke while using this product.

ECOTOXICITY: Toxic to aquatic organisms with long-lasting effects. Avoid contamination of any water supply with product or empty container.

STORAGE: Store in original container, tightly closed, away from foodstuffs. Keep out of reach of children.

DISPOSAL: Triple rinse empty container and add rinsate to the spray tank. If recycling, discard cap and deliver clean container to an Agrecovery depot. Alternatively crush and bury in a suitable landfill.

Dispose of product only by using according to the label, or at an approved disposal facility.

MATERIAL SAFETY DATA SHEET: Additional information is listed in the Material Safety Data Sheet available from Zelam Ltd or www.zelam.com

Approved pursuant to the HSNO Act 1996, No: HSR002431. See www.epa.govt.nz for approval conditions.

Registered pursuant to the ACVM Act 1997, No: P007538 See www.foodsafety.govt.nz for registration conditions.

NOTICE TO BUYER: The manufacturers and vendors of Ignite warrant the formulation to contain the specified active ingredient within accepted tolerance when packed but make no warranty of any kind on the use of this material and accept no responsibility for results, whether the material has been used in accordance with directions or not.

DIRECTIONS FOR USE: For best results apply to young actively growing weeds. Reduced levels of control may result if applied to plants suffering from cold or moisture stress. On crops that have been grazed remove stock and allow grasses to freshen up (5-10 cm new growth) before spraying.

USE RATES FOR WEED CONTROL

GRASSWEED	Broad-cast litres/ha	Knapsack ml/10 litres	Spotgun ml/ litre	Handgun mL/ 100 litres	CRITICAL COMMENTS
Storksbill, musky storksbill	0.5				
Wild Oats	0.5	12.5	6.0		
Annual grass weeds including annual ryegrass, summer grass, barnyard grass, bristle grass and volunteer cereals.	0.6	12.5	6.0		For best results apply when weeds are small and actively growing. A repeat application may be required if weeds are at an advanced stage or weeds are under stress or slow growth conditions.
Annual poa	1.5	30	15	300	
Cocksfoot, prairie grass, Yorkshire fog, sweet vernal, soft brome (goosegrass)	1.25 - 2.5	25	12.5	250	Use the high rate for grass weeds at an advanced growth stage or grass weeds growing under stress or slow growth conditions.
Cultivated couch	1.25 - 2.5				Use the low rate on young or actively regenerating couch after extensive cultivation to break roots into small pieces. Use the high rate on tillering couch. Use a low rate for suppression and the high rate for longer term control.
Perennial ryegrass	1.25 - 2.5	25	12.5	250	For perennial ryegrass at an advanced growth stage or growing under stress or slow growth conditions, use the high rate.
Sod bound couch, Mercer grass, browntop, ratstail, Indian doab, kikuyu, paspalum	3.75 - 5.0	60	40	375	Use high rate for grass weeds at advanced growth stage or grass weeds under stress or slow growth conditions. Use high rate on sod bound couch. Use 2.5L/ha for suppression of these weeds in lucerne.
Pampas grass	7.5	150	60	500	For best results treat plants less than 1m high
African feather grass					Repeat application may be required

BROADLEAF WEEDS AND RESISTANT GRASSES: Ignite herbicide will not control broadleaf weeds and sedges except storksbill. Ignite will not control hairgrass and chewings fescue at rates listed for other weeds.

APPLICATION: Ignite can be applied using conventional ground or aircraft spraying equipment. To minimise any possible crop damage avoid spray overlaps.

Aerial spraying: Use water volumes of 100 - 300 litres/ha water applied as a coarse quality spray.

Boom spraying: Use a minimum 200 litres/ha water applied as a medium quality spray.

Spot gun: Use an extension lance fitted with a solid cone nozzle.

High volume (including handgun): Apply as a wetting spray to full coverage using either a hand lance fitted with a solid cone or a handgun fitted with a No. 4 tip at 500 - 2000 kPa to deliver 1000 - 1500 L/ha.

Knapsack: Apply as a wetting spray to full coverage using at least 500 litres/ha water volume.

MIXING: Partly fill the spray tank, add the required amount of Ignite, agitate thoroughly and add remainder of water. When compatible herbicides are to be tank mixed, they should be added before Ignite.

ADJUVANTS: As Ignite contains a surfactant system further adjuvants are not required and could harm sensitive crops.

CROPS AND SITUATIONS

Forestry tree release	Ignite may be applied over forestry species including Radiata pine and eucalyptus species. To control broadleaf weeds in Radiata pine, atrazine, simazine, Terb 500™ and clopyralid herbicides may be added. To control broadleaf weeds in eucalyptus species, clopyralid herbicide may be added. Some tree scorch may occur if trees are flushing.
Tree nurseries	Ignite may be applied over seedling Radiata pine, eucalyptus, Acacia, Casuarina and other seedling plantation and ornamental tree species. Where there is no previous experience, apply Ignite over a few plants before treating larger areas. Contact Zelam Limited for further information.
Lucerne, clover	For best results apply when weeds are small and actively growing. Apply at any time after sowing.
Pipfruit, citrus	Apply as a directed spray around the base of trees to avoid contact with the fruit.
Peas, lentils	Apply Ignite at no more than 1.5 litres/ha. Do not mix Ignite with Bruno or other herbicides unless previous experience has shown the mixture to be safe.
Asparagus	Apply after the final cut.
Onions	Apply Ignite at no more than 1.5 litres/ha. For best results apply when weeds are small and actively growing.

COMPATIBILITY: Ignite herbicide may be tank mixed with clopyralid and oryzalin and with triazine herbicides such as Terb 500™, simazine and atrazine. Do not mix with Bruno™ (cyanazine) when spraying peas. Do not apply Ignite with other herbicides unless experience shows efficacy and crop safety is not affected. Do not apply within seven days of a phenoxy herbicide application.

RAINFASTNESS: Ignite herbicide is rainfast one hour after application.

SOIL RESIDUES: Do not plant cereal, maize or grass crops within 12 weeks of treatment.

RESISTANCE MANAGEMENT: **GROUP A HERBICIDE** Ignite contains a herbicide from the cyclohexanedione group with the inhibition of acetyl coA carboxylase mode of action. Some naturally-occurring weed biotypes resistant to Ignite and other Group A Herbicides may exist and can eventually dominate the weed population if these herbicides are used repeatedly. To prevent or delay the development of resistance use Ignite in rotation with herbicides having a different mode of action and always use Ignite strictly in accordance with the label directions. See www.nzpps.org for more information.

It is an offence for users of this product to cause residues exceeding the relevant MRL in the New Zealand (Maximum Residue Limits of Agricultural Compounds)

Food Standards.

WITHHOLDING PERIODS:

PEAS, LENTILS: Do not apply later than flowering.

ASPARAGUS: Do not apply during the cutting season.

ONIONS: Do not apply within 5 weeks of harvest.

SPRAYER CLEANUP: To avoid subsequent injury to crops such as but not limited to cereals, maize and grasses, immediately after spraying thoroughly remove all traces of Ignite from mixing and spray equipment. Rinse thoroughly with an alkali detergent (e.g. Liquid Surf, Drive). Flush equipment twice and finally rinse with clean water.

NOTICE TO BUYER: The manufacturers and vendors of Ignite warrant the formulation to contain the specified active ingredient within accepted tolerance when packed but make no warranty of any kind on the use of this material and accept no responsibility for results, whether the material has been used in accordance with directions or not.

REGISTERED TO: Tapuae Partnership, Hudson Road, New Plymouth, NZ Tel: 06 755-9234 Fax: 06 755-1174

EMERGENCY PHONE: 0800 CHEMCALL - 0800 243 6225