

DIRECTIONS FOR USE:

RESTRAINTS: DO NOT apply to weeds which may be stressed (not actively growing) due to prolonged periods of extreme cold, moisture stress (waterlogged or drought affected), poor nutrition or previous herbicide treatment as reduced levels of control may result

DO NOT spray if rain is likely to occur within one hour.

TABLE 1A. Winter Crops – Canola, Chickpeas, Faba beans, Field peas, Lentils, Linola, Linseed, Lupins, Lucerne, Vetch, Medic and Clover pastures or seed crops.

WEEDS CONTROLLED	WEED GROWTH STAGE	RATE (mL/ha)		CRITICAL COMMENTS
		with Uptake*1 Spraying Oil	With a non- ionic wetter ²	
Annual Ryegrass	2 to 4 leaf	75	100	CANOLA, LINOLA AND LINSEED: DO NOT apply af
	Early tillering	100	100	the 8 leaf stage of the crop. DO NOT apply after the commencement of stem elongation.
Barley Grass,	2 to 4 leaf	50	75	This means that application must not occur after the
Brome Grass, Paradoxa Grass, Volunteer Cereals	Early tillering	75	100	8 leaf stage, or if stem elongation commences before the 8 leaf stage, application must not occur after stem elongation has commenced.
Wild Oats	2 to 4 leaf	37.5	50	DO NOT apply more than 1 application of herbicide
(WA, SA, Vic, Tas, Southern and Central	early tillering	50	75	containing haloxyfop per crop.
NSW)				DO NOT apply after grazing. 12 See GENERAL INSTRUCTIONS, Spraying
Wild Oats	2 to 4 leaf	50	75	oils/wetters section.
Northern NSW & Qld	Early tillering	75	100	1/2 See GENERAL INSTRUCTIONS, Spraying

TABLE 1B. Winter Crops growth stage application windows

CROP	CROP GROWTH STAGE		
Lucerne, Medic and Clover pastures or seed crops	Apply from 2nd trifoliate leaf onwards. For <i>Erodium</i> spp. spraying, apply from cotyledon crop stage onwards.		
Canola, linola and linseed	Apply from 2 leaf to 8 leaf stage of crop growth. DO NOT apply after the commencement of stem elongation. This means that application must not occur after the 8 leaf stage, or if stem elongation commences before the 8 leaf stage, application must not occur after stem elongation has commenced.		
Chickpeas, Faba beans, Field peas, Lentils, Lupins, Vetch	Apply from 2nd leaf, 2nd node or 2nd branch to prior to flowering.		

TABLE 2A. Lucerne, Medic and Clover Seed Crops and Pastures, See table 1B for crop stages.

WEEDS CONTROLLED	WEED GROWTH STAGE	RATE (mL/ha) with Uptake ¹ Spraying Oil	CRITICAL COMMENTS	
Prairie Grass (<i>Bromus catharticus</i>)	Up to early tillering	100	¹ See GENERAL INSTRUCTIONS, Spraying oils/wetters section.	
Musky or Ferny Leaf Storksbill (<i>Erodium moschatum</i>), Common Crowsfoot or Common Storksbill (<i>Erodium cicutarium</i>)	Up to 6 leaf or 5 cm diameter	50-75³	³ Use lower rate when growing conditions and crop or pasture competition are good and when weed populations are below 100 plants/m². Use the higher rate when weed populations are above 100 plants/m² or when crop or pasture competition is poor. Note: Storksbill may not be controlled if simazine or	
Long or Shiny Leaf Storksbill	Up to 8 leaf or 5 cm diameter	75-100	Broadstrike* are tank-mixed with FARMALINX Haloxyfop 520 EC Herbicide.	
(E. botrys)			LUCERNE, CLOVER OR MEDIC PASTURES: If grazed or cut for hay immediately prior to treatment delay application until all grasses have fully expanded leaves. Use 75 mL + spraying oil or 100 mL + wetter/ha. (See GENERAL INSTRUCTIONS, Spraying Oils/wetters section).	
			If Silver Grass (<i>Vulpia</i> spp.) is present in pasture, simazine should be tank mixed with the higher rate of FARMALINX Haloxyfop 520 EC Herbicide plus a non-ionic wetter.	

TABLE 2B. Lucerne, Medic and Clover Seed Crops only – not to be used for stockfeed. See Table 1B for crop stages.

TABLE 2B. Educatio, include and clotter occur crops only not to be ased for stockhold. Occ lable 1B for crop stages.					
WEEDS CONTROLLED	WEED GROWTH STAGE	RATE (mL/ha) with Uptake Spraying Oil	CRITICAL COMMENTS		
Couch Grass (suppression), Rhodes Grass (control)	Tillering seedlings	150 + 150 ⁴	 See GENERAL INSTRUCTIONS, Spraying oils/wetters section. For best suppression of Couch or control of Rhodes Grass, make 2 applications of FARMALINX Haloxyfor 520 EC Herbicide 2-4 weeks apart. Time second application to coincide with tillering stage of weeds and just after irrigation or significant rain. 		
Couch Grass (control), Rhodes Grass (control)	Established standards	400-800	Only treat actively growing weeds which are not moisture stressed. Use these rates for control of Couch and Rhodes Grass.		

TABLE 3A. Summer Crops – Cotton, Cowpea, Lucerne, Mung bean, Navy beans, Peanuts, Soybeans, Sunflowers.

WEEDS CONTROLLED	WEED GROWTH STAGE	RATE (mL/ha) with Uptake Spraying Oil	CRITICAL COMMENTS	
Australian Millet	2 leaf to tillering up to 15 cm	150	See GENERAL INSTRUCTIONS, Spraying oils/wetters section.	
Barnyard Grass	2 to 5 leaf	100	NAVY BEANS, PEANUTS, SOYBEANS: For broadleaf	
	Tillering up to 15 cm	150	weed control, FARMALINX Haloxyfop 520 EC Herbicide at 150 mL/ha plus wetter may be tank mixed with	
	2 leaf to tillering up to 15 cm	150	Blazer* (except on Navy Beans) or Basagran*. Tank mixtures may cause transient leaf spotting on	
Johnson Grass (seedling),	2 to 5 leaf	100	the crop but do not normally affect yield. DO NOT tank mix broadleaf herbicides with	
Liverseed Grass (seedling), Mossman River Grass	Tillering and up to 15 cm	150	FARMALINX Haloxyfop 520 EC Herbicide if grasses have begun tillering or if the grasses are under	
Summer Grass Volunteer Cereals	2 leaf to tillering up to 15 cm	150	moisture stress. DO NOT add Uptake Spraying Oil when mixing with Blazer* or Basagran*. DO NOT use Blazer* or Basagran* tank-mixes on cowpea.	
	2 to 4 leaf	100	-blazer of basagraff talik-filixes off cowpea.	
	Tillering and up to 15 cm	150		

TABLE 3B. Summer Crop growth stage application windows

CROP	CROP GROWTH STAGE		
Lucerne	Apply from 2nd trifoliate leaf onwards.		
Cowpea, Mung beans, Navy beans, Soybeans	Apply from 2nd leaf to flowering.		
Peanuts	Apply from 2nd leaf to pegging.		
Cotton	Apply from 2nd leaf to before the onset of flowering.		
Sunflowers	Apply from 2nd leaf to head initiation.		

TABLE 4. Annual and Perennial Grasses and Erodium spp. in Orchard, Vine and Plantation crops, forestry and pyrethrum.

CROPS	CROP GROWTH STAGE	WEEDS CONTROLLED	WEED GROWTH STAGE	RATE (mL/ha) with Uptake Spraying Oil ¹	CRITICAL COMMENTS
Orchard, vine and plantation crops including: Apples, Avocado, Banana, Blueberry,	All growth stages	Perennial Grasses: Couch, Rhodes Grass, Slender Rats Tail Grass	Established stands	400-800	¹ See GENERAL INSTRUCTIONS, Spraying oils/wetters section. Spray should be directed to the base of the tree or vine avoiding contact with fruit and foliage. Spot spray: Use 25 mL to 50 mL/100 L of water. Use
Citrus, Custard Apple, Feijoa, Grapevines,		Buffel Grass, Green Panic, Johnson Grass,	Vegetative to early tillering	200	higher rate on late tillering mature grasses. Annual Grasses: Where treated in association with perennial grasses, these annual grasses will be
Guava, Kiwifruit, Litchi (Lychee), Longan, Mango,		Kikuyu, Paspalum spp., Setaria spp.	Late tillering	400	perennial grasses, these annual grasses will be controlled.
Nashi, Nut trees, Passionfruit, Paw paw, Pear, Persimmon, Pineapple, Rambutan, Stone Fruit Forestry: Pinus radiata, Eucalypus spp.		Annual Grasses: Annual Ryegrass, Barley Grass, Barnyard Grass, Brome Grass, Crowsfoot Grass, Lesser Canary Grass, Liverseed Grass, Mossman River Grass, Paradoxa Grass, Summer Grass, Volunteer Cereals, Wild Oats			Forestry: For annual grasses apply lowest rate to newly emerged grasses, increasing the rate as they develop.
Forestry: <i>Pinus pineaster</i>		Annual grasses as above	Vegetative to tillering	125-250	
Pyrethrum		Barley Grass, Brome Grass, Rope Twitch, Barnyard Grass, <i>Erodium</i> spp., Volunteer Cereals	Vegetative to tillering		Pyrethrum (Tasmania only): For <i>Erodium</i> spp. apply 75-100 mL/ha if the main weed is <i>E. botrys.</i> Use 50-75 mL/ha if either <i>E. cicularium</i> or <i>E. moschalum</i> are the main weeds.



WEEDS CONTROLLED	WEED GROWTH STAGE	RATE (mL/ha)		CRITICAL COMMENTS
		HALOXYFOP 520 EC	Select* Herbicide	
FOP/DIM susceptible	2 to 4 leaf	25	150	See GENERAL INSTRUCTIONS, Spraying
Annual Ryegrass + Volunteer Barley, Volunteer Wheat, Brome Grass, Wild Oats, Barley Grass, Phalaris	Early tillering	38	150	oils/wetters section. Use Uptake Spraying Oil at 500 mL/100 L or Hasten at 1 L/100 L. Apply at the same crop growth stage at those in Table 1B Winter Crops.
	2 to 4 leaf	25	200	Lentils: Apply up to 7 node-early branching crop
Annual Ryegrass + Volunteer Barley, Volunteer Wheat, Brome Grass, Wild Oats, Barley Grass, Phalaris	Early tillering	38	250	growth stage only. Lupins: Not for Qld.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

WITHHOLDING PERIODS:

CANOLA, CHICKPEAS, COTTON, COWPEA, FABA BEANS, FIELD PEAS, LENTILS, LINOLA, LINSEED, LUPINS, MUNG BEANS, NAVY BEANS, ORCHARD CROPS, PEANUTS, PLANTATION CROPS, SOYBEANS, SUNFLOWERS AND VETCH OR VINE CROPS:

APPLICATION.

APPLICATION.

APPLICATION.

NOT REQUIRED WHEN USED AS DIRECTED:

DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.

DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 21 DAYS AFTER

DO NOT GRAZE OR CUT FOR STOCK FOOD FOR7 DAYS AFTER

FLAT SIZE: 522 MM WIDE X 236 MM DEEP

GRAZING AND STOCK FOOD:

MEDIC AND CLOVER SEED CROPS:

CANOLA, CHICKPEAS, COTTON, COWPEA, FABA BEANS, FIELD PEAS, LENTILS, LINOLA, LINSEED, LUPINS, MUNG BEANS, NAVY BEANS, PEANUTS, SOYBEANS, SUNFLOWERS AND VETCH: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 28 DAYS AFTER

LUCERNE:

MEDIC AND CLOVER PASTURE:

COTTON GIN TRASH MUST NOT BE FED TO ANIMALS.

GENERAL INSTRUCTIONS

MIXING

Add water to the spray tank to 10 cm above the level of agitation and ensure the agitation device is working vigorously. (There must be a minimum of 100 L of water in the tank before any pesticide is added.) If tank mixing, firstly, add any soluble liquid formulations (e.g. Lontrel* Herbicide) and allow agitation for approximately one minute. Then add FARMALINX Haloxyfop 520 EC Herbicide at the point where agitation is strongest.

DO NOT add FARMALINX Haloxyfop 520 EC Herbicide through a strainer or sieve. Allow further agitation for one minute.

Half fill the spray tank. If using wettable powder or water dispersible granules, or other emulsifiable concentration formulations (e.g. Lorsban* 750WG or Le-Mat*), these should be added after the FARMALINX Haloxyfop 520 EC Herbicide to the half full spray tank ensuring vigorous agitation.

Finally add Uptake* Spraying Oil or approved alternate spraying oil/wetter (see section on spraying oils/wetters) and continue filling the tank to the required volume maintaining agitation at all

Only mix sufficient solution for immediate use. FARMALINX Haloxyfop 520 EC Herbicide and any other tank mixes should be applied immediately for best results.

SPRAYING OILS/WETTERS

Spraying Oils: It is essential to add an adjuvant to FARMALINX Haloxyfop 520 EC Herbicide. Best results will be achieved with Uptake* Spraying Oil at 0.5 L/100 L of spray solution

Alternatively, other oils plus a non-ionic wetter may also be used. When other crop spraying oils are used, mix at 1.0 L/100 L and add a non-ionic wetter (surfactant) at 200 mL/100 L of spray solution. Use of an oil is not always recommended. See Critical Comments for specific situation recommendations.

Non-ionic Wetters: When Uptake* or other oils are not used, a 100% concentrate non-ionic wetting agent such as BS-1000* at 200 mL/100 L must be used along with the higher rate of FARMALINX Haloxyfop 520 EC Herbicide as specified in the Directions for Use.

Where water volumes of less than 50 L/ha are used, DO NOT use less than 250 mL/ha of Uptake* or 500 mL/ha for oils other than Uptake* or less than 100 mL/ha of wetter.

CANOLA. LUCERNE. MEDIC AND CLOVER PASTURES **AND SEED CROPS:**

When tank mixing FARMALINX Haloxyfop 520 EC Herbicide with Lontrel* herbicides (canola only) or Broadstrike* (lucerne, clover and medics), use Uptake* Spraying Oil with the lower rates of FARMALINX Haloxyfop 520 EC Herbicide or a wetting agent with the higher rates of FARMALINX Haloxyfop 520 EC Herbicide unless otherwise specified.

When mixing FARMALINX Haloxyfop 520 EC Herbicide with other broadleaf herbicides on these crops. DO NOT use an oil use a wetter instead.

FIELD PEAS AND CANOLA

The oil recommended is Uptake* Spraying Oil. Hasten* is also recommended for use with tank-mixtures of FARMALINX Haloxyfop 520 EC Herbicide and Select* Herbicide.

For canola, FARMALINX Haloxyfop 520 EC Herbicide + Lontrel 750SG + Uptake* Spraying Oil are compatible and selective to canola. This tank-mixture is also compatible with atrazine or simazine and selective to triazine tolerant canola.

NAVY BEANS, PEANUTS, SOYBEANS

When mixing with Blazer* or Basagran* DO NOT add spraying oil to these mixtures.

DO NOT use these tank-mixes on cowpea.

COMPATIBILITY

Ground use only: FARMALINX Haloxyfop 520 EC Herbicide can be tank mixed with:

Insecticides: dimethoate, Lorsban* 500 EC Insecticide, Lorsban* 750WG Insecticide, omethoate.

Herbicides: atrazine, Basagran*, Blazer*, Broadstrike* Herbicide, Lontrel* Herbicide, Lontrel* 750SG Herbicide, MCPA ester (LVE) – DO NOT exceed 700 mL/ha of MCPA LVE, Oryzalin, Select* Herbicide, simazine, Starane* 200 Herbicide,

Fungicides: Dithane DF*, Dithane Rainshield.

<u>Trace elements:</u> magnesium sulphate, zinc sulphate.

FARMALINX Haloxyfop 520 EC Herbicide is NOT compatible with 2.4-D or MCPA as sodium or amine salts.

Aerial use: No product other than a recommended crop oil or wetter should be mixed with FARMALINX Haloxyfop 520 EC Herbicide when applied by air except for addition of Lontrel Forestry Herbicide for use in forestry and Lontrel 750SG for use in canola only.

APPLICATION

Apply FARMALINX Haloxyfop 520 EC Herbicide in sufficient water to obtain good coverage. It should be applied by an accurately calibrated ground rig or aircraft droplets with a VMD of 200-300 microns. The following spray volumes are recommended. Ground Application: 50-150 L/ha

Aerial Application: 30 L/ha minimum

Use higher water volumes in orchards and in dense crops where the weeds may be shielded by the crop canopy.

CLEANING SPRAY EQUIPMENT

If broadleaf herbicides, particular; y sulfonylureas, have been used in the spray equipment at any time prior to FARMALINX Haloxyfop 520 EC Herbicide, particular care should be taken to follow the directions on the relevant broadleaf herbicide label for equipment cleaning, or damage to susceptible crops may occur.

After using FARMALINX Haloxyfop 520 EC Herbicide, empty the tank completely and drain the whole system. Thoroughly wash inside the tank using a pressure hose, drain the tank and clean any filters in the tank, pump, line and nozzles.

To Rinse: After cleaning the tank as above, quarter fill the tank with clean water and circulate through the pump, lines, hoses and nozzles. Drain and repeat the rinsing procedure twice.

To Decontaminate: Before spraying cereals, maize, sorghum or other sensitive crops, wash the tank and rinse the system as above. Then guarter fill the tank and add an alkali detergent (eg. Surf*, Cold Water Surf Concentrate*, DynamoMatic Concentrate*, Omo* or Drive*) at 500 mL/100 L of water or the powder equivalent at 500 g/100 L of water, and circulate throughout the system for at least fifteen minutes. Drain the whole system. Remove filters and nozzles and clean them separately. Finally flush the system with clean water and allow to drain. Chlorine based cleaners are not recommended.

Rinse water should be discharged onto a designated disposal area, or if this is unavailable, onto unused land away from desirable plants and water courses.

RESISTANT WEEDS WARNING

FARMALINX Haloxyfop 520 EC GROUP Herbicide is a member of the

aryloxyphenoxy propionate group of herbicides. FARMALINX Haloxyfop 520 EC Herbicide has the acetyl CoA carboxylase inhibitor mode of action. For weed resistance management FARMALINX Haloxyfop 520 EC Herbicide is a Group 1 Herbicide. Some naturally occurring weed biotypes resistant to FARMALINX Haloxyfop 520 EC Herbicide and other Group 1 herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly.

These resistant weeds will not be controlled by FARMALINX Haloxyfop 520 EC Herbicide or Group 1 herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, FARMALINX Pty Ltd accepts no liability for any losses that may result from the failure of FARMALINX Haloxyfop 520 EC Herbicide to control resistant weeds.

Strategies to minimise the risk of herbicide resistance are available. Contact your farm chemical supplier, consultant, local Department of Agriculture, or local FARMALINX representative.

PROTECTION OF CROPS. NATIVES AND

OTHER NON-TARGET PLANTS

FARMALINX Haloxyfop 520 EC Herbicide damages cereals and grasses. DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures.

Cereal crops or grasses planted with twelve weeks of application may be damaged by the residual effects of FARMALINX Haloxyfop 520 EC Herbicide, particularly on light and red soils.

PROTECTION OF LIVESTOCK

DO NOT graze or cut treated crops for stock food except as specified under withholding periods.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND **ENVIRONMENT**

FARMALINX Haloxyfop 520 EC Herbicide is toxic to fish. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT store near feedstuffs, fertilizers or seeds.

Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank, DO NOT dispose of undiluted chemicals onsite. If recycling, replace cap and return clean containers to recycler or designated collection point (contact drumMuster Collection agency or Local Council for collection sites). If not recycling, break, crush, or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

SMALL SPILL MANAGEMENT

Wear protective equipment (see SAFETY DIRECTIONS). Apply absorbent material such as earth, sand, cat litter or clay granules to the spill. When absorption is complete, sweep up material and contain in a refuse vessel for disposal (see STORAGE AND DISPOSAL section). If necessary wash the spill area with an alkali detergent and water and absorb this wash liquid for disposal as described above.

SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. When preparing spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves, face shield or goggles. After each day's use wash gloves, face shield or googles and contaminated clothing. Wash hands after use.

HERBICIDE

If poisoning occurs call for a doctor or Poisons Information Centre. Phone Australia 13 11 26. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

Additional information is listed in the safety data sheet (SDS). A safety data sheet for FARMALINX MCPA 500 Herbicide is available from FARMALINX Pty Ltd on request. Call Customer Service on 02 9389 2455.

E

ISON OUT OF REACH C SAFETY DIRECTI

N B loxyfop

4

Combustible liquid.

Keep away from flames and hot surfaces. - No smoking. In case of fire, use carbon dioxide, dry chemical, foam, water fog. Harmful if inhaled.

Avoid breathing fumes, mists, vapours or spray. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

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

CONDITIONS OF SALE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. No warranty (other than non-excludable statutory warranties) of merchantability or fitness for a particular purpose, express or implied, extends to the use of the product contrary to label instructions, or under offlabel permits not endorsed by FARMALINX Pty Ltd or under abnormal conditions. FARMALINX Pty Ltd accepts no liability for any loss or damage arising from incorrect storage, handling or use.

* Other trademarks



FARMALINX Pty Ltd ABN 95 134 353 245

Level 25, Suite 2506, Tower 2, 101 Grafton Street, Bondi Junction NSW 2022 T: 02 9389 2455 F: 02 9389 2844

Website: www.farmalinx.com

APVMA Approval No.: 64453/0714