

DANGER

KEEP OUT OF REACH OF CHILDREN

READ THE LABEL COMPLETELY BEFORE MIXING OR APPLYING

HALOXYKEN 520

SELECTIVE HERBICIDE

**ACTIVE INGREDIENT: 520 g/L HALOXYFOP-P as the methyl ester
in the form of an emulsifiable concentrate**

GROUP

1

HERBICIDE

Selective post emergence herbicide for the control of grass weeds in kale,
late maturing rape, fodder beet, forestry, orchards, nurseries,
non-crop areas and certain broadleaf crops.



Registered pursuant to the ACVM Act 1997, No. P008925

See www.foodsafety.govt.nz for registration conditions

Approved pursuant to the HSNO Act 1996, Approval No. HSR100054

See www.epa.govt.nz for approval controls

NET CONTENTS: 5 L

Registrant:

Kenso Corporation (M) Sdn Bhd

Lot 29, Jalan Sungai Pinang 5/4, Taman Perindustrian
Pulau Indah, 42920 Pelabuhan Klang, Selangor, Malaysia.

NZ Agent:

Kenso NZ Limited

2 Bond Crescent, Forrest Hill, Auckland 0620 New Zealand.
Ph: 0800 536 766

HALOXYKEN 520 SELECTIVE HERBICIDE

PERSONNEL QUALIFICATION & EXPERIENCE

This product must be under the control of an appropriately trained and experienced person during storage, use and disposal. For guidance refer to the requirements for class 6 and 9 substances of the Health and Safety at Work (Hazardous Substances) Regulations 2017 part 4.5 and the Hazardous Substances (Hazardous Property Controls) Notice 2017 Part 4 Subpart C.

HAZARD CLASSIFICATION

Flammable liquid Category 4, Acute oral toxicity Category 4, Aspiration hazard Category 1, Eye irritation Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to terrestrial vertebrates, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1.

FLAMMABILITY

Combustible liquid. Keep away from sources of ignition.

DANGER

Harmful if swallowed. Causes serious eye irritation. May be fatal if swallowed and enters airways. May cause damage to organs through prolonged or repeated exposure.

ECOTOXIC

Very toxic to aquatic organisms with long lasting effects. Avoid contamination of any water supply with product or empty container. Haloxyken 520 Selective Herbicide must not be applied into or onto water.

Selective herbicide – very toxic to some plant species. Certain plants may be killed or damaged from contact with this product. Do not allow spray drift outside the target area.

Toxic to terrestrial vertebrates.

HANDLING PRECAUTIONS

STORAGE

Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, seeds, and fertilisers. Storage must be in accordance with NZS 8409 Management of Agrichemicals. Do not store with Class 1, 2, 3.2, 4 or 5 substances. Stores containing 100 litres of Haloxyken 520 Selective Herbicide require secondary containment and signage and more than 100 litres require emergency response plans. Stores containing more than 500 litres require two fire extinguishers.

DISPOSAL

Triple rinse empty container and add residue to spray tank. Recycle empty container through Agrecovery (0800 247 326, www.agrecovery.co.nz). Otherwise, submit empty, triple rinsed containers to a local authority waste

reception facility. Do not burn. DO NOT reuse this container for any other purpose.

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 or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If concentrate or spray solution enters the eyes wash out immediately with water. If inhaled move the victim to fresh air immediately. If breathing is difficult, take to hospital without delay.

SAFETY DATA SHEET

A Safety Data Sheet is available from the Kenso NZ website: www.kenso.co.nz

CONDITIONS OF SALE

Kenso Corporation (M) Sdn. Bhd. will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply of these goods other than responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by Statutes applicable to the sale or supply of these goods. To the extent allowed by such Statutes the liability of Kenso Corporation (M) Sdn. Bhd. is limited to the replacement of the goods or (at the option of Kenso Corporation (M) Sdn. Bhd.) the refund of the price paid and where possible sufficient part of the goods to enable proper examination being returned to Kenso Corporation (M) Sdn. Bhd. within thirty days of delivery.



EMERGENCY RESPONSE
Ring 0800 CHEMICAL, or
0800 243 622 (24 hours)

Product of China



9 421028 661317



Batch No.:

Date of Manufacture:

UN NO: 3082

ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S.

(CONTAINS HALOXYFOP-P)

PACKING GROUP III, HAZCHEM 3Z

CONTAINS SPILLAGE, CLASS 9



In a transport emergency dial 111,
Police or Fire Service.

For specialist advice in emergency only,
call 0800 243 622 (24 hours)

DANGER

KEEP OUT OF REACH OF CHILDREN

READ THE LABEL COMPLETELY BEFORE MIXING OR APPLYING

HALOXYKEN 520

SELECTIVE HERBICIDE

ACTIVE INGREDIENT: 520 g/L HALOXYFOP-P as the methyl ester in the form of an emulsifiable concentrate

GROUP 1 HERBICIDE

Selective post emergence herbicide for the control of grass weeds in kale, late maturing rape, fodder beet, forestry, orchards, nurseries, non-crop areas and certain broadleaf crops.

Registered pursuant to the ACVM Act 1997, No. P008925

See www.foodsafety.govt.nz for registration conditions

Approved pursuant to the HSNO Act 1996, Approval No. HSR100054

See www.epa.govt.nz for approval controls



Kenso Corporation (M) Sdn Bhd

2 Bond Crescent, Forrest Hill,

Auckland 0620 New Zealand

Phone: 0800 536 766

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 hair or skin contact occurs, remove contaminated clothing and flush skin and hair with running water. If splashed in eyes, wash out immediately with water.

SAFETY DATA SHEET

A Safety Data Sheet is available from the Kenso NZ website: www.kenso.co.nz.

CONDITION OF SALE

Kenso Corporation (M) Sdn. Bhd. will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply of these goods other than responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by Statutes applicable to the sale or supply of these goods. To the extent allowed by such Statutes the liability of Kenso Corporation (M) Sdn. Bhd. is limited to the replacement of the goods or (at the option of Kenso Corporation (M) Sdn. Bhd.) the refund of the price paid and where possible sufficient part of the goods to enable proper examination being returned to Kenso Corporation (M) Sdn. Bhd. within thirty days of delivery.

* Not a trademark of Kenso Corporation (M) Sdn Bhd.

Registered pursuant to the ACVM Act 1997, No. P008925

See www.foodsafety.govt.nz for registration conditions

Approved pursuant to the HSNO Act 1996, Approval No. HSR100054

See www.epa.govt.nz for approval controls

HANDLING PRECAUTIONS

STORAGE

Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, seeds, and fertilisers. Storage must be in accordance with NZS 8409 Management of Agrichemicals. Do not store with Class 1, 2, 3.2, 4 or 5 substances.

Stores containing 100 litres of Haloxyken 520 Selective Herbicide require secondary containment and signage and more than 100 litres require emergency response plans.

Stores containing more than 500 litres require two fire extinguishers.

PERSONAL PROTECTION

Avoid contact with skin or eyes. When handling wear waterproof gloves, appropriate eye protection, boots and overalls. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work.

EQUIPMENT

Apply with accurately calibrated and well maintained equipment. Thoroughly decontaminate equipment before using Haloxyken 520 Selective Herbicide if broadleaf herbicides, such as sulfonylureas have been used. Follow the decontamination instructions on the relevant herbicide label. After spraying decontaminate equipment as per the cleaning instructions, before spraying crops that are sensitive to Haloxyken 520 Selective Herbicide. These include but are not limited to, cereals, maize and grasses.

DISPOSAL

Triple rinse empty container and add residue to spray tank. Recycle empty container through Agrecovery (0800 247 326, www.agrecovery.co.nz). Otherwise, crush and bury in a suitable landfill. Dispose of product only by using according to the label, or at an appropriate landfill.

SPILLAGE

Wear appropriate protective clothing. Extinguish all ignition sources, exclude all bystanders from the vicinity of the spill, and prevent

EMERGENCY RESPONSE

Ring 0800 CHEMCALL, or
0800 243 622 (24 hours)

UN NO : 3082



**ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S.**

(CONTAINS HALOXYFOP-P)

PACKING GROUP III

HAZCHEM 3Z

HAZARD CLASS 9

**In a transport emergency dial 111,
Police or Fire Service.**

**For specialist advice in emergency only,
call 0800 243 622 (24 hours).**

material from entering waterways or coming into contact with Class 1, 2, 3.2, 4 or 5 substances. Absorb spills with inert material and place in waste containers. Wash area with water and detergent and absorb with further inert material. Dispose of waste safely in an approved landfill.

TRANSPORT

Do not carry Haloxyken 520 Selective Herbicide on a passenger service vehicle.

TRACKING/RECORD KEEPING

Records of use as described in NZS 8409 Management of Agrichemicals must be kept if 3 litres or more of Haloxyken 520 Selective Herbicide is applied within 24 hours.

MIXING AND COMPATIBILITY

Partially fill the spray tank, add the required amount of Haloxyken 520 Selective Herbicide, agitate, then add an adjuvant spraying oil or Silken if recommended. Agitate thoroughly and add the remainder of the water.

Haloxyken 520 Selective Herbicide is compatible with Triazine herbicides, Clopyralid and Clopyralid/Picloram. Do not apply Haloxyken 520 Selective Herbicide in combination with other herbicides unless experience shows efficacy is not affected. Do not apply within 7 days of phenoxy herbicides.

CLEANING THE SPRAY EQUIPMENT

After using Haloxyken 520 Selective Herbicide, empty the spray unit completely and drain the whole system. Thoroughly wash inside the spray unit using a pressure hose. Drain the spray unit, and clean any filters in the tank, pump lines, hoses and nozzles. After cleaning the spray unit as above, quarter fill with clean water and circulate through the pump, lines, hoses and nozzles. Drain and repeat the rinsing procedure twice.

PERSONNEL QUALIFICATION & EXPERIENCE

This product must be under the control of an appropriately trained and experienced person during storage, use and disposal. For guidance refer to the requirements for class 6 and 9 substances of the Health and Safety at Work (Hazardous Substances) Regulations 2017 part 4.5 and the Hazardous Substances (Hazardous PropertyControls) Notice 2017 Part 4 Subpart C.



HAZARD CLASSIFICATION

Flammable liquid Category 4, Acute oral toxicity Category 4, Aspiration hazard Category 1, Eye irritation Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to terrestrial vertebrates, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1.

FLAMMABILITY

Combustible liquid. Keep away from sources of ignition.

DANGER

Harmful if swallowed. Causes serious eye irritation. May be fatal if swallowed and enters airways. May cause damage to organs through prolonged or repeated exposure.

ECOTOXIC

Very toxic to aquatic organisms with long lasting effects. Avoid contamination of any water supply with product or empty container. Haloxyken 520 Selective Herbicide must not be applied into or onto water.

Selective herbicide – very toxic to some plant species. Certain plants may be killed or damaged from contact with this product. Do not allow spray drift outside the target area.

Toxic to terrestrial vertebrates

DECONTAMINATION
Wash the tank and rinse the system as above, then quarter fill the tank and add an alkali detergent (e.g. household laundry detergent at 500 ml or g/100L water) and circulate throughout the system for at least 15 minutes. Do not use chlorine based cleaners. Drain the whole system. Remove filters and nozzles and clean them separately. Finally flush the system with clean water and allow to drain.

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

RAINFASTNESS
Haloxynen 520 Selective Herbicide is rainfast one hour after application.

APPLICATION DIRECTIONS
Haloxynen 520 Selective Herbicide may be applied using conventional ground or aerial application equipment.

Boom Spraying: Use 200 - 400 L/ha water. Use nozzles and pressures that produce a medium quality spray. For dense grass infestations increase water rate.

Aerial Application: Use 100 - 300 L/ha water applied as a coarse 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 L/ha water volume.

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

WITHHOLDING PERIODS
PEAS: Do not apply later than flowering. Do not feed treated crop to lactating animals. Dry dairy stock must be held for 21 days on an untreated feed prior to the first milking.
LENTILS: Do not apply later than flowering.
ASPARAGUS: Do not apply during the cutting season.
ONIONS: Do not apply within 5 weeks of harvest.
KALE, LATE MATURING RAPE: Do not apply after the 6-leaf growth stage of the crop.
Meat: Do not graze the treated crop until 12 weeks after application. In addition, animals must be held for 14 days on untreated feed prior to sending for slaughter.
Milk: Do not cut for feed or graze animal currently being milked on areas treated with Haloxynen 520 Selective Herbicide. Dry dairy stock must be held for 21 days on an untreated feed prior to the first milking.

USE RATE FOR WEED CONTROL

Weed	Broadcast ml/ha	Knapsack ml/10L	Spotgun ml/L	Handgun ml/100L	Comments
Wild oats	95	2.5	1.2		
Storksbill Musky storksbill	100				
Annual grass weeds including annual ryegrass, summer grass, barnyard grass, bristle grass and volunteer cereals	115	2.5	1.2		Use with an adjuvant spraying oil or Silken for grass weeds at an advanced growth stage or grass weeds growing under stress or slow growth conditions.
Annual poa	290	6	3.0	60	
Cocksfoot, Prairie Grass, Yorkshire Fog, Sweet Vernal, Soft Brome (Goosegrass)	240-480	5	2.5	50	Use the high rate for grass weeds at an advanced growth stage or grass weeds growing under stress or slow growth conditions.
Seedling perennial ryegrass (up to 3 tillers)	125	2.5	1.25		Established or regrowth perennial ryegrass will be suppressed.
Perennial ryegrass (after 3 tillers)	250-500	5	2.5	50	For perennial ryegrass at an advanced growth stage or growing under stress or slow growth conditions, use the high rate. Use with an adjuvant spraying oil or Silken on all growth stages.
Cultivated Couch	250-500				Use low rate on young or actively regenerating couch after extensive cultivation to break roots into small pieces. Use high rate on tillering couch. Use low rate for suppression in crops and high rate for longer term control.
Sod Bound Couch, Mercer Grass, Browntop, Ratstail, Indian Doab, Kikuyu, Paspalum	720-960	12	8	75	Use the high rate for grass weeds at an advanced growth stage or grass weeds under stress or slow growth conditions. Use the high rate on sod bound couch.
Pampas grass	1450	30	12	95	For best results treat plants less than 1m high.
African feather grass	1450	30	12	95	Repeat applications may be required.
N.B. Hair grass and Chewings Fescue are not controlled at rates listed above.					

FODDER BEETS: Do not apply after the 8-leaf growth stage of the crop.
Meat: Do not graze the treated crop until 14 weeks after application. In addition, animals must be held for 14 days on untreated feed prior to sending for slaughter.
Milk: Do not cut for feed or graze animal currently being milked on areas treated with Haloxynen 520 Selective Herbicide. Dry dairy stock must be held for 21 days on an untreated feed prior to the first milking.
Where Haloxynen 520 Selective Herbicide is tank mixed with another product, observe the longest applicable withholding period.

RESISTANCE MANAGEMENT **GROUP 1 HERBICIDE**
Haloxynen 520 Selective Herbicide contains an aryloxyphenoxy propionate. Some naturally occurring weed biotypes resistant to Haloxynen 520 Selective Herbicide could eventually dominate the weed population if this herbicide is used repeatedly. To maximise the effectiveness of herbicides, products containing alternative modes of action should be used in the spray programme. Consult www.nzpps.org/resistance/index/php for alternative modes of action and details of resistance management strategies (if any) for the crops listed on the label.

DIRECTIONS FOR USE
For best results apply to young actively growing grass weeds. Reduced levels of control may result if applied to plants suffering from cold or moisture stress.
Use higher rates for grass weeds at advanced stages of growth. To minimize any possible crop damage avoid spray overlaps. Haloxynen 520 Selective Herbicide does not control sedges or broadleaf weeds other than Storksbill.

CROPS AND SITUATIONS

Forestry tree release	Haloxynen 520 Selective Herbicide may be applied over forestry species including Radiata pine and <i>Eucalyptus</i> species. To control broadleaf weeds in Radiata pine, Atrazine, Simazine, Terbutylazine and Clopyralid herbicides may be added. Do not add spraying oil or Silken to mixtures of Haloxynen 520 Selective Herbicide with either Clopyralid or Terbutylazine.
Tree nurseries	Haloxynen 520 Selective Herbicide may be applied over seedling Radiata pine, <i>Eucalyptus</i> , <i>Acacia</i> , <i>Casuarina</i> and other seedling plantation and ornamental tree species. Where there is no previous experience, apply Haloxynen 520 Selective Herbicide over a few plants before treating larger areas. Do not add spraying oil or Silken.
Pipfruit, citrus	Haloxynen 520 Selective Herbicide in mixture with a spraying oil or Silken, should be applied as a directed spray around the base of trees. Avoid direct contact with the fruit.
Peas, lentils	Apply Haloxynen 520 Selective Herbicide at no more than 290ml/ha. Do not add spraying oil or Silken.
Asparagus	Apply Haloxynen 520 Selective Herbicide, in mixture with a spraying oil or Silken, after the final cut.
Onions	Apply Haloxynen 520 Selective Herbicide, at no more than 290ml/ha, in mixture with a spraying oil or Silken.
Kale, Late maturing rape	DO NOT apply at rates exceeding 250ml/ha. DO NOT apply after the 6-leaf growth stage of the crop. Grazing withholding periods apply (refer to the WITHHOLDING PERIODS section of the label).
Fodder beets	DO NOT apply at rates exceeding 250ml/ha. DO NOT apply after the 8-leaf growth stage of the crop. Grazing withholding periods apply (refer to the WITHHOLDING PERIODS section of the label).