

**HARMFUL • CORROSIVE • ECOTOXIC**  
**Keep out of reach of children**



# LION<sup>®</sup>490 DST

Active Ingredient: 490g/litre glyphosate as the potassium and ammonium salts in the form of a soluble concentrate.

**Foliar herbicide for the control of most annual and perennial grasses and broadleaf weeds.**

 **AGRECOVERY**  
[www.agrecovery.co.nz](http://www.agrecovery.co.nz)

**Net: 20L**



9 414614 168413 >

07-16/PS/A01684-20LNZ1.2

  
**PGG Wrightson**

  
**Nufarm**

**HAZARD CLASSIFICATION**

6.1D, 6.3B, 8.3A, 9.1B

**APPROVED HANDLER**

This product must be under the control of an approved handler when it is applied directly into or over water.

This product must not be used for any purpose, or in any manner, contrary to this label unless authorised under appropriate legislation.

**TOXICITY**

• Harmful – may be harmful if swallowed, inhaled or absorbed through the skin. May cause mild skin irritation.

**CORROSIVE**

• Danger – may cause eye damage

**ECOTOXIC**

- Toxic to aquatic organisms with long lasting effects. Avoid contamination of any water supply with product or empty container.
- Non-selective herbicide – toxic to plants. Avoid contact with foliage, green stems or fruit of crops, desirable plants and trees, since severe injury or death may result.

**Beware: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants.** Do not allow drift to occur outside the target area.

**HANDLING PRECAUTIONS****STORAGE**

- Store in original container tightly closed in a dry, cool area away from foodstuffs, seeds and fertilizers. Store in accordance with NZS 8409 Management of Agrichemicals.
- Solutions of Lion 490 DST should be mixed, stored and applied only in stainless steel, aluminium, brass, copper, fibreglass, plastic or plastic lined containers. Do not mix or store this product in galvanized or unlined steel (except stainless steel) containers or spray tanks. Lion 490 DST or solutions of Lion 490 DST react with such containers to produce hydrogen gas which may form a highly combustible gas mixture which can flash or explode if ignited.
- Stores containing 1000 litres of Lion 490 DST require secondary containment and signage, and more than 1000 litres require emergency response plans.

**PERSONAL PROTECTION**

- Avoid contact with skin and eyes and avoid breathing spray mist.
- When using wear eye protection, waterproof gloves, boots and overalls.
- Remove protective clothing and wash hands and face thoroughly before meals and after work.

**EQUIPMENT**

- Apply using well maintained spray equipment that is accurately calibrated.
- Flush equipment thoroughly with clean water after use.

**DISPOSAL**

- Triple rinse empty container and add rinsate to the spray tank. Recycle empty container. Otherwise crush and bury in a suitable landfill
- Dispose of product only by using according to the label, or at an approved landfill.

**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 splashed in eyes, wash out immediately with water.

**SPILLAGE:** Wear appropriate protective clothing and prevent material from entering waterways. Absorb spills with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely in an approved landfill.

**TRANSPORT:** Do not carry Lion 490 DST on a passenger service vehicle.

**MIXING AND COMPATIBILITY:** Lion 490 DST mixes readily with clean water. Reduced results may occur if dirty water (e.g. from ponds), hard water containing calcium salts, or water containing metal ions (e.g. iron) is used. Ensure the spray tank is free of any residue of previous spray materials. Half fill the spray tank with water. Add the required amount of Lion 490 DST, agitate and continue filling the tank. Avoid foaming by keeping the filler nozzle below water level. Do not store mixed solutions for longer than 5 days. If adding other herbicides, ensure these are fully dispersed before adding the Lion 490 DST. Use tank mixtures promptly.

Registered pursuant to the ACVM Act 1997, No. P8785

See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions.

Approved pursuant to the HSNO Act 1996, Approval Code HSR100083

See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls.

PROPER SHIPPING NAME	HAZARD CLASS	UN No.	HAZCHEM	PACKING GROUP
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (glyphosate 49%)	9	3082	2X	III

Marketed by:

Nufarm Limited

6 Manu Street, Otahuhu, Auckland

Tel: 09 270 4157

[www.nufarm.co.nz](http://www.nufarm.co.nz)

For 24 hour advice in an emergency only: 0800-651 911

Batch No:

D.O.M:

07-16/PS/A01684-OPENNZ

## GENERAL INFORMATION:

**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.**

- Lion 490 DST is a non-volatile, water soluble liquid with non-selective herbicidal activity against many annual and perennial broadleaf weeds and grasses.
- Lion 490 DST is absorbed by plant foliage and green stems. It is inactivated immediately in the soil and does not provide residual weed control.
- Lion 490 DST moves from the point of foliage or stem contact to and into the root system. Visible effects may take up to 14 days or even longer depending on growing conditions.
- Visual effects are a gradual wilting and yellowing of the foliage which advances to deterioration of both above and below ground parts.
- Delay application until the weeds are in the growth stage described in the "WEEDS CONTROLLED" section of this label. Plants arising from unattached underground rhizomes or rootstocks of perennial weeds will not be affected by the spray and will continue to grow. For this reason best control of most perennial weeds is obtained at late growth stages approaching maturity.
- Avoid contact with foliage or green stems of desirable plants and trees since severe injury or destruction may result. Avoid application in winds which allow drift onto desirable plants.
- Do not treat weeds under poor growing conditions, when they are stressed, or if they are covered in dust or silt as reduced results may occur.
- Rainfall occurring up to 6 hours after application may reduce effectiveness. The addition of Pulse® may reduce the rainfree period. Heavy rainfall within 2 hours will wash the herbicide off foliage and a repeat treatment will be required.
- A withholding period for grazing stock is not required. However, it is recommended that grazing treated plants is delayed for three days after treatment of annual weeds or seven days if perennial weeds are present to ensure absorption of Lion 490 DST.
- The use of additional surfactant may improve control, especially where water rates are high or product rates low. Use a non-ionic surfactant such as Contact™ Xcel at 100ml per 100 litres water.

## APPLICATION INSTRUCTIONS

- **Broadcast boom application**, flat fan, wide angle nozzles (e.g. 110°) using pressures of 200-280 kPa are preferred. Set boom height to ensure a double overlap of the spray pattern at the top of the weed canopy. Apply in 100-200 litres of clean water per hectare. For orchard application, wide angle, even spray nozzles are preferred.
- **Knapsack or handgun applications** adjust equipment to apply a fine spray. Use the minimum spray volume necessary to achieve uniform and complete coverage. Handgun spraying pressures of 1000-2000 kPa and No. 4 to No. 6 spray tips are recommended. Spray tanks, lines and nozzles should be thoroughly rinsed with clean water following application.

- **Wiper Application** – pre-mix 1 part of Lion 490 DST and 2 parts of clean water to prepare a 33% solution. Mix only enough herbicide for immediate needs and allow the wiping area to become fully saturated before commencing. The wiping area must remain moist and clean otherwise reduced results will occur. In heavy weed infestations or when treating perennial weeds such as Californian thistle or multi-crown ragwort, a double pass in opposite directions on the same day will give the best results. As weed density increases, decrease ground speed.
- **Aircraft Application** – Lion 490 DST may be applied by aircraft in forestry and non-cropping areas only. Aerial application of Lion 490 DST is not recommended on cropping land or near desirable plant species as even slight drift may cause severe injury or destruction. Do not apply in gusty or windy conditions or in other conditions conducive to drift, e.g. still air and inversion conditions.

## RESISTANT WEEDS WARNING

Resistance to this herbicide could develop from excessive use. Lion 490 DST contains a **GROUP G HERBICIDE** and belongs to the glycine group of herbicides. Lion 490 DST has the inhibition of EPSP synthase mode of action. Some naturally occurring weed biotypes resistant to Lion 490 DST and other Group G 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.

**WEEDS CONTROLLED**

WEED	Boom or Aerial L/ha	Handgun vol/100L	Knapsack ml/15L	Mistblower ml/10L
<b>ANNUAL WEEDS</b>	0.73 – 1.4	144ml	25	46
Use the higher rate for larger weeds.				
<b>AUSTRALIAN SEDGE</b>	4.4 6.6 Aerial	735ml	100	220
Apply from Nov. to March. Burning or slashing may take place from 30 days after treatment. Where rank growth is present the area should be burnt 12-18 months prior to aerial application to ensure adequate spray coverage.				
<b>BARBERRY</b>	-	735ml	100	220
Apply Jan. to April from flowering to late fruit. Where bushes have been cut, regrowth should be 1.5 metres tall before spraying.				
<b>BARLEY GRASS</b>	0.72	144ml	25	46
Apply Sept. to Dec. when plants are at or near the green seedhead stage. Pasture improvement is recommended to restrict re-establishment.				
<b>BLACKBERRY</b>	6.6 – 14.7	0.72 – 1L	100-138	220
Apply to healthy plants from blossom to ripe fruit stage prior to autumn frosts (Dec. to April). Only bushes with a well developed canopy of leaves should be treated. Early treatment (Dec. to Jan.) may be preferred in drought prone areas like the East Coast and Northland. Leave sprayed blackberry for 40-60 days before burning or slashing and oversow the area. Where treatment has been carried out under marginal conditions some regrowth can be expected within 1-2 years. For aerial application of hard to kill blackberry or where no follow-up pasture management is anticipated, use the higher rate.				
<b>BOXTHORN</b>	-	960ml	100	-
Apply Nov. to April to actively growing plants. Avoid salt damaged plants. Do NOT use additional surfactant as poor results may occur.				
<b>BRACKEN</b>	6.6 + Pulse® 250ml/100L	735ml + Pulse 250ml	100 + Pulse 30ml	220 + Pulse 20ml
Apply when fronds are unfurled (mid Jan. to June) but prior to frost browning. Foliage should be burnt following brown-out to assist planting pasture. DENSE VIRGIN BRACKEN WITH HIGH TRASH CONTENT AND LOW LEAF TO ROOT RATIO SHOULD BE BURNED IN SPRING AND THE UNFURLED FROND REGROWTH SPRAYED THE FOLLOWING MARCH TO JUNE.				

WEED	Boom or Aerial L/ha	Handgun vol/100L	Knapsack ml/15L	Mistblower ml/10L
<b>BROOM</b>	6.6 + Pulse 250ml/100L	735ml + Pulse 200ml	100 + Pulse 20ml	220 + Pulse 20ml
Aerial application: Apply when plants are in full leaf. Handgun application: Can be applied all year round. Ensure complete coverage.				
<b>BROWNTOP</b>	4.4	735ml	73	220
Apply when plants are 5-10cm high and actively growing. Some regrowth may occur. Long-term control requires a pasture renewal programme utilizing annual crops and repeated application of Lion 490 DST before establishing perennial pasture.				
<b>BUDDLEJA</b>	6.6	735ml	100	-
Handgun: Treat only actively growing plants Aerial: Treat buddleja up to 2 metres high during Feb. to April in 200-300 litres of water per hectare.				
<b>CALIFORNIAN THISTLE</b>	2.9	735ml	100	220
Apply after flower bud development but before autumn browning. To ensure maximum shoot emergence do not cultivate for 6 months prior to treatment. Re-treatment and/or cropping or pasture improvement may be necessary to restrict seedling re-establishment. Wiper: A double pass at low speed is recommended in heavy infestations. Mowing thistles 10 days after treatment may assist control. Re-treatment may be necessary in the following season.				
<b>CLEAVERS</b>	1	367ml	55	110
Apply to actively growing plants when most have reached early seedhead.				
<b>COUCH</b>	4.4	735ml	100	220
Apply to plants at least 10cm high with 4-5 leaves. Do not cultivate for 6 months prior to application to ensure maximum shoot emergence. Autumn treatment is recommended for best control but spring treatment may occur if plants are not stressed.				
<b>DOCK</b>	2.9 – 6.6	735ml	100	-
Treat plants in spring or summer when actively growing and in full leaf. Use the high rate to control mature plants and the low rate for seedlings. Do not treat plants in the seedhead stage.				
<b>FLOATING SWEET GRASS or REED SWEET GRASS</b>	4.4	735ml	100	220
Apply to actively growing plants when most have reached early seedhead				

WEED	Boom or Aerial L/ha	Handgun vol/100L	Knapsack ml/15L	Mistblower ml/10L
<b>GORSE</b>	-	735ml + Pulse 200ml	-	-
Apply all year round to actively growing bushes. Spraying bushes stressed by grazing, drought or previous herbicide treatment will result in reduced control. Pulse must be added to Lion 490 DST or poor results will occur. Complete coverage is essential. Larger and denser bushes require the larger tip size and higher pressure to ensure complete coverage. Burning should take place from 40 days after spraying (60 days during slow growth conditions) or follow-up treatment may be necessary 1-2 years after the initial application. In pastoral areas oversowing with approved pasture species is desirable.				
<b>INDIAN DOAB</b>	6.6	735ml	100	-
Apply when most plants have reached early seedhead. Ensure that sufficient leaf area is present for uptake of the herbicide. Do not treat drought stressed plants. Spray prior to frosts.				
<b>JOHNSON GRASS</b>	4.4	735ml	100	220
<b>KIKUYU</b>	4.4	735ml	100	220
<b>MERCER GRASS</b>				
aquatic	6.6	1.1L	170	-
non-aquatic	4.4	735ml	100	-
Apply to actively growing plants when most have reached early seedhead. Reduced results will occur if the plants treated are under stress. When treating dense swards, silorate and allow plenty of regrowth before spraying.				
<b>NODDING THISTLE</b>	-	735ml	100	-
Wiper application: Apply when actively growing (Oct. to April) when at least 10cm of the weed can be wiped. A double pass is recommended. Follow-up spot treatments may be necessary.				
<b>OLD MAN'S BEARD</b>	-	735ml – 1.4L	220	-
Apply Nov. to March prior to first leaf senescence. Use the low rate on stems up to 10mm diameter. Vines too high for complete coverage should be cut at ground level in winter or spring and the regrowth sprayed with the high rate in March when plants are at least 0.5 metres long.				
<b>PAMPAS GRASS/ TOETOE</b>	-	735ml	100	-
Apply spring-autumn. Ensure complete wetting of the foliage. Poor control may occur if plants are in flower at the time of spraying.				
<b>PASPALUM</b>	4.4	735ml	100	220
Apply at the early seed head stage prior to frosts. Pasture improvement from 7 days after treatment will restrict seedling regrowth.				

WEED	Boom or Aerial L/ha	Handgun vol/100L	Knapsack ml/15L	Mistblower ml/10L
<b>POTATO</b> (self set)	2.2	368ml	55	110
<b>PRAIRIE GRASS</b>	1.1	145ml	25	-
Apply to actively growing plants when most have reached early seedhead.				
<b>RAGWORT</b>	2.9-4.4	735ml	100	-
Caution: Ragwort plants may become more palatable following spraying and stock should be removed until the treated plants brown-out. Apply when actively growing, and ensure there is sufficient leaf on multicrown plants for herbicide uptake. In established pasture do not boom spray except prior to re-seeding pasture or other crops. Wiper: Apply when plants are 10-15cm above the pasture. A double pass is recommended. Follow-up spot treatment may be necessary.				
<b>RATSTAIL</b>	3.6	-	-	-
Apply March to April in 200L/ha of water. In dry autumn conditions delay spraying until sufficient green foliage is present.				
<b>RAUTAHİ (CUTTY GRASS) or RUSHES</b>	4.4	735ml	100	220
Apply to actively growing plants from Jan. to March. Burning or slashing may take place from 30 days after treatment following brown-out. Areas should then be oversown. Wiper (Rushes only): Apply Nov. to May.				
<b>RING FERN</b>	0.72 – 2.2	220ml	36	-
Control: Apply 2.2L/ha in Jan. to April in 50-200L/ha of water. Pasture Manipulation: Apply 0.72-1.4L/ha Dec. to April. Use the high rate for dense infestations. Burn 4-6 weeks after treatment and oversow with pasture.				
<b>RYEGRASS</b>	2.2 – 3 + Pulse	730ml + Pulse	105 + Pulse 10ml	-
Short rotation (Annual, Italian, Hybrid)	100ml/100L	100ml/100L		
Established < 8 months				
Established > 8 months	3 + Pulse 100ml/100L	730ml + Pulse 100ml/100L	105 + Pulse 10ml	
Perennial	3 + Pulse 100ml/100L	730ml + Pulse 100ml/100L	105 + Pulse 10mL	
Apply any time plants are actively growing and have at least 5-10cm of green leaf. Add Pulse at all times.				

WEED	Boom or Aerial L/ha	Handgun vol/100L	Knapsack ml/15L	Mistblower ml/10L
<b>SWEET BRIER</b>	8.8 + Pulse 250ml/100L	735ml + Pulse 200ml	100 + Pulse 30ml	-
Apply from late flowering to early leaf yellowing. Ensure full coverage.				
<b>TALL FESCUE</b>	4.4	735ml	100	220
Apply to actively growing plants from Jan. to March. Burning or slashing may take place from 30 days after treatment following brown-out. Areas should then be oversown.				
<b>WILLOW</b>	9.6 – 13.4 + Pulse 250ml/100L (min 500ml/ha)	735ml + Pulse 200ml/100L	-	-
Apply from Jan. to April before leaf fall begins. Total spray coverage is essential for best results. Use the high rate for pussy willow control.				
<b>YARROW</b>	2.2 – 4.4	-	-	-
Apply to plants with 5-10cm of leaf. Cultivate with a minimum of 2 grubblings from 10 days after treatment. Use 2.2L/ha when a competitive crop to yarrow is to be drilled. Use 4.4L/ha when the crop to be drilled is a poor competitor.				

## GENERAL USES

Refer to the “WEEDS CONTROLLED” section for rates of application.

### General Weed Control

**Handgun** – 770ml of Lion 490 DST in 100 litres of water (0.77% solution).

**Knapsack** – 8ml of Lion 490 DST per 1 litre of water (0.8% solution). Apply to completely wet foliage, but not to runoff.

### Agricultural Areas

Lion 490 DST may be used for the control of annual and perennial weeds in agricultural land prior to sowing a crop.

### Conservation Tillage

For vegetation control prior to planting crops or pasture in a reduced tillage system.

Weeds should be actively growing and not under stress from drought, frost or waterlogging. Remove stock and allow growth to 5-10cm high before spraying.

For pasture use 3.0L/ha. Where only annual weeds occur (crop to crop or crop to pasture) apply 735ml – 1.4L/ha. Use the low rate for seedling annual weeds and the high rate for larger annual weeds. When treating ryegrass pastures add Pulse at 100ml/100 litres of water.

For problem perennial weeds refer to the “WEEDS CONTROLLED” section of this label.

Where white clover control is required, tank mix with Kamba® 500 at 600ml/ha. Do NOT plant legumes for 28 days after using Kamba 500.

Cultivation may start from 7 days after spraying perennial weeds and 3 days for annual weeds. Cultivation should occur not more than 21 days after spraying. Sowing should not proceed until conditions allow the formation of a satisfactory seedbed.

### Pasture

**DIRECT (SPOT) APPLICATION:**

Lion 490 DST is non-selective and may damage or kill any plant in the sprayed area. Retreatment and/or pasture improvement may be necessary to restrict seedling re-establishment.

**SELECTIVE WIPER APPLICATION:** Refer to application instructions for directions.

**PASTURE RENOVATION:** Lion 490 DST may be used to control existing pasture species prior to re-seeding pasture or establishing other crops (refer to CONSERVATION TILLAGE for directions).

### Pre-Harvest

Wheat, Barley, Oats, Peas

For wheat, barley and oats – apply 7-12 days prior to harvest when the grain moisture content is less than 30%.

Apply 7-14 days prior to harvesting peas when the pods have dried. Use only on peas for threshing. Do NOT harvest within 7 days after treatment to allow time for the herbicide to translocate into the weed roots.

Do NOT apply to undersown crops including clovers as they may be severely damaged.

Do NOT apply to crops which will be harvested for seed.

**WEEDS CONTROLLED:** Apply pre-harvest to actively growing couch at 4.4L/ha. Treating drought stressed couch will result in reduced control. To ensure maximum couch foliage at spraying do not deep cultivate for 6 months before application. Minimum tillage crop establishment is recommended.

### Orchards / Vines

Citrus, Apples, Pears, Stonefruit, Kiwifruit, Grapes

Apply as a directed or shielded spray or with wiper equipment. For long term control of annual weeds Lion 490 DST may be tank mixed with an approved residual herbicide.

Do NOT apply to unprotected trees less than 3 years old. Do NOT allow spray or spray drift to contact ANY PART of stonefruit trees, or green bark, suckers, buds, foliage or fruit of other trees. Do NOT allow wiper surfaces to contact ANY PART of the trees.

Weed foliage coated in copper or calcium based compounds may reduce the activity of Lion 490 DST.

### Market Gardens

Lion 490 DST can be applied before or after seeding but prior to crop emergence.

Lion 490 DST can be applied prior to transplanting or as a post harvest clean-up.

For longer term control of seedling weeds, Lion 490 DST may be tank mixed with Ramrod® or Lasso® Microtech®. Use in accordance with the label recommendations for these products.

### **Asparagus**

Lion 490 DST can be applied:

FOLLOWING THE FINAL HARVEST and immediately after removal of all spears but before crop regrowth occurs.

PRIOR TO PLANTING or crop emergence. Do not treat emerging spears.  
IN ESTABLISHED FERNS as a directed or shielded spray or with wiper equipment.

Do NOT allow spray, spray drift or the wiper surface to contact any part of the asparagus plants.

### **Industrial and Non-Agricultural Areas**

Lion 490 DST can be used for the control of annual and perennial weeds as directed.

For residual control Lion 490 DST can be tank mixed with Flowable Simazine or another approved residual herbicide. Exercise caution when using residual herbicides prior to planting trees, shrubs or other ornamental plants.

### **Turfgrass and Recreational Areas**

Apply before establishing lawns, parks, reserves and ornamentals. Lion 490 DST can also be applied around the base of established trees as a directed or shielded spray or by wiper equipment. Do NOT allow spray or spray drift or the wiper surface to contact any part of the tree. In mown areas, allow sufficient regrowth before spraying.

### **Aquatic Areas**

Drains and Waterways. Ensure that 75% of the weed to be treated is above water level or efficacy may be reduced.

Following spray application do NOT submerge the treated plant as this will cause the herbicide to be washed off.

### **Forestry**

For the control of grasses and a wide range of brushweeds, Lion 490 DST can be applied:

- For PRE-BURN DESICCATION from Nov. to March.
- For SITE PREPARATION prior to planting.
- As a DIRECTED or SHIELDED spray (or with wiper equipment) amongst established trees.
- PRIOR to the establishment of nurseries.
- For ROADSIDE and AMENITY weed control.

The addition of Pulse is required for the control of bracken and gorse. Do NOT allow spray, spray drift or the wiper surface to contact the foliage or green bark of desirable trees as severe injury can occur.

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®Lion is a registered trademark of Nufarm Limited

®Kamba is a registered trademark of Nufarm Australia Limited

™Contact is a trademark of Nufarm Limited.

NZ Patent No: 561385

# Lion® 490DST

## HAZARD CLASSIFICATION

6.1D, 6.3B, 8.3A, 9.1B

## APPROVED HANDLER

This product must be under the control of an approved handler when it is applied directly into or over water.

This product must not be used for any purpose, or in any manner, contrary to this label unless authorised under appropriate legislation.

## TOXICITY

- Harmful – may be harmful if swallowed, inhaled or absorbed through the skin. May cause mild skin irritation.

## CORROSIVE

- Danger – may cause eye damage

## ECOTOXIC

- Toxic to aquatic organisms with long lasting effects. Avoid contamination of any water supply with product or empty container.
- Non-selective herbicide – toxic to plants. Avoid contact with foliage, green stems or fruit of crops, desirable plants and trees, since severe injury or death may result.

**Beware: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants.** Do not allow drift to occur outside the target area.

## HANDLING PRECAUTIONS

### STORAGE

- Store in original container tightly closed in a dry, cool area away from foodstuffs, seeds and fertilizers. Store in accordance with NZS 8409 Management of Agrichemicals.
- Solutions of Lion 490 DST should be mixed, stored and applied only in stainless steel, aluminium, brass, copper, fibreglass, plastic or plastic lined containers. Do not mix or store this product in galvanized or unlined steel (except stainless steel) containers or spray tanks. Lion 490 DST or solutions of Lion 490 DST react with such containers to produce hydrogen gas which may form a highly combustible gas mixture which can flash or explode if ignited.
- Stores containing 1000 litres of Lion 490 DST require secondary containment and signage, and more than 1000 litres require emergency response plans.

### PERSONAL PROTECTION

- Avoid contact with skin and eyes and avoid breathing spray mist.
- When using wear eye protection, waterproof gloves, boots and overalls.
- Remove protective clothing and wash hands and face thoroughly before meals and after work.

### EQUIPMENT

- Apply using well maintained spray equipment that is accurately calibrated.
- Flush equipment thoroughly with clean water after use.

### DISPOSAL

- Triple rinse empty container and add rinsate to the spray tank. Recycle empty container. Otherwise crush and bury in a suitable landfill
- Dispose of product only by using according to the label, or at an approved landfill.

**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 splashed in eyes, wash out immediately with water.

**SPILLAGE:** Wear appropriate protective clothing and prevent material from entering waterways. Absorb spills with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely in an approved landfill.

**TRANSPORT:** Do not carry Lion 490 DST on a passenger service vehicle.

**MIXING AND COMPATIBILITY:** Lion 490 DST mixes readily with clean water. Reduced results may occur if dirty water (e.g. from ponds), hard water containing calcium salts, or water containing metal ions (e.g. iron) is used. Ensure the spray tank is free of any residue of previous spray materials. Half fill the spray tank with water. Add the required amount of Lion 490 DST, agitate and continue filling the tank. Avoid foaming by keeping the filler nozzle below water level. Do not store mixed solutions for longer than 5 days. If adding other herbicides, ensure these are fully dispersed before adding the Lion 490 DST. Use tank mixtures promotiv.

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Approved pursuant to the HSMO Act 1996, Approval Code HSR1000803  
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## CONDITIONS OF SALE:

### CAUTION: READ THIS NOTICE BEFORE OPENING THE CONTAINER

If you open this container you will be deemed to have accepted the conditions below.

The results from use of this product may be affected by factors beyond Nufarm's control, including mixing, use, climatic conditions, time of application, crop or crop stage and the possible development of resistance to the active ingredient, even though the product is reasonably fit for the purposes stated in this label, and even though label directions are followed. Nufarm will replace, free of charge, any product which is found to have a manufacturing defect. To the extent permitted by law, all other warranties, guarantees, representations and conditions, whether expressed or implied by law, trade, custom or otherwise are expressly excluded.

When you use this product, you agree that neither Nufarm Limited nor any manufacturer of any component of the product will be liable for any damage, injury or loss including consequential loss which arises in any way from the storage, handling, or use of the product. This exclusion of liability includes loss caused by negligent acts or omissions of Nufarm Limited or any supplier or manufacturer of the product or any of their employees and agents.

Marketed by:  
Nufarm Limited  
6 Manu Street, Otahuhu, Auckland  
Tel: 09 270 4157  
[www.nufarm.co.nz](http://www.nufarm.co.nz)

For 24 hour advice in an emergency only: 0800-651 911

PROPER SHIPPING NAME	HAZARD CLASS	UN No.	HAZCHEM	PACKING GROUP
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (glyphosate 49%)	9	3082	2X	III