

READ THE LABEL BEFORE USE

Lancer

100 sl

Reg. No./Nr. L9423 Act/Wet 36/1947

A systemic water-soluble liquid herbicide for the suppression of *Acacia* sp. in pine and eucalyptus plantations and for postemergence control of annual broadleaf weeds, as listed, in canola.

'n Sistemiese wateroplosbare vloeistof onkruidodder vir die onderdrukking van *Acacia* sp. in denne- en eucalyptus plantasies en vir die na-opkoms beheer van eenjarige breëblare, soos aangetoon, in kanola.



WARNING

Hazard statements

- Very toxic to aquatic life with long lasting effects.

Precautionary statements

- Collect spillage.
- Dispose of contents/ container in accordance with applicable regulations.

HERBICIDE GROUP CODE	O	ONKRUIDDODER GROEPKODE
ACTIVE INGREDIENT Clopyralid (pyridine compound)	/ 100 g/l	AKTIEWE BESTANDDEEL Klopiralied (piridien verbinding)
NET VOLUME (2 l / 5 l / 20 l)		NETTO VOLUME (2 l / 5 l / 20)
REGISTRATION HOLDER/REGISTRASIE HOUER: Future Farm & Forest Services & Supplies (Pty) Ltd. Reg. 1998/014639/07 P.O. Box 98165 Sloane Park 2152	 ECOGUARD Environmentally compatible solutions for pest & vegetation management	DISTRIBUTED BY/ VERSPREI DEUR: Ecoguard Biosciences (Pty) Ltd. Reg. 1988/001616/07 Tel: 011 - 463 6057 Fax: 011 - 463 6462
UN NUMBER	3082	UNNOMMER
BATCH NUMBER		LOTNOMMER
DATE OF MANUFACTURE		DATUM VAN VERVAARDIGING
EMERGENCY CONTACT Tel: 011 463 5842 TYGERBERG POISON INFO CENTRE: 086 155 5777		
KEEP OUT OF REACH OF CHILDREN AND ANIMALS		



ECOGUARD

Environmentally compatible solutions for
pest & vegetation management

WARNINGS:

- Poisonous by swallowing.
- Concentrate may cause irritation to eyes and skin.
- Store in a cool place.
- Store away from food, feed, seed and other agricultural chemicals and out of reach of children, uninformed persons and animals.
- In case of poisoning, call a doctor and show him/her this label.
- **RE-ENTRY INTERVAL:** Do not enter treated area until spray deposit has dried unless wearing protective clothing.

In case of poison, contact:

GRIFFON POISON INFO CENTRE: 082 446 8946

INFORMATION HOTLINE: TEL. NO.: (011) 463-6057

Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal climatic and storage conditions; quality of dilution water; compatibility with other substances not indicated on the label and the occurrence of resistance of weeds against the remedy concerned as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

PRECAUTIONS:

- Wear protective gloves, goggles and clothing when handling the concentrate.
- Do not breathe fumes or spray mist.
- Wash contaminated clothing daily.
- Wash with soap and water after accidental skin contact.
- Avoid eye contact. In case of eye contact, flush eyes with clean water.
- Do not eat, drink, or smoke whilst applying, mixing or before washing hands and face and change of clothing.
- Prevent drift onto other crops, grazing, rivers, dams, or areas not under treatment.
- Clean applicator before using with other material - dispose of wash water where it will not contaminate food, grazing, rivers, or dams.

- Rinse empty container three times with a volume of water equal to a minimum of 10% of that of the container.
- Add the rinsing to the contents of the spray tank before destroying the container by perforation and flattening and NEVER use for any other purpose.
- Prevent contamination of food, feeds, drinking water and eating utensils.

RELEVANT SUBSTANCES	Weight (%)
Clopyralid monoethanolamine salt	10-15%

DIRECTIONS FOR USE: Use only as directed.

COMPATIBILITY:

The compatibility of **LANCER 100 SL** with chemicals, other than those recommended, is not known and their usage together with **LANCER 100 SL** should be avoided.

MIXING:

Half fill the spray tank with water and add the required volume of **LANCER 100 SL**. While filling the spray tank add surfactant at the rate indicated below while maintaining agitation.

APPLICATION:

FOLIAR APPLICATION:

(a) In Forestry

- Use only on actively growing *Acacias* with full leaf cover.
- **LANCER 100 SL** applications may be made over eucalyptus and pines.
- Apply as an even cover spray to leaves and stems of *Acacias*.
- Do not apply to *Acacias* higher than 0,5m.
- Do not spray if rain is likely within three hours.
- Do not spray when *Acacia* leaves are wet as a result of rain or dew.
- Avoid spray drift onto non-target plants.
- At registered rates, **LANCER 100 SL** will not control or harm grasses.
- Use a knapsack sprayer or tractor sprayer with suitable flat fan nozzles that will ensure even coverage of the target area. Maintain a constant pressure of between 250 – 300 kPa.

(b) In Canola

- Apply by tractor with boom and nozzles in sufficient water (150 – 250 litres/ha) to ensure good coverage of the susceptible seedling broadleaf weeds.
- Do not spray if rain is likely within three hours.
- Do not spray when weeds are wet as a result of rain or dew.

- Avoid spray drift onto non-target plants. At registered rates, **LANCER 100 SL** will not control or harm grasses.

MODE OF ACTION:

While some *Acacia* plants may be killed, the majority will only be suppressed. This suppression will cause *Acacias* to remain stunted due to cessation of cell division and therefore growth, become yellowish, suffer leaf loss and lack of vigour. As such they present minimal or no competition to the crop trees. Some re-growth may occur.

RATE AND METHOD OF APPLICATION:

A. FORESTRY

NOTE: Actipron Super** should be added at a rate of 500 ml per 100 litres spray mix.

CROP/WEED	RATE/ha	REMARKS
EUCALYPTUS AND PINES	3 l LANCER 100 SL	For <i>Acacias</i> under 30 cm in height apply 3 l LANCER 100 SL in 300 litres spray mixture/ha.
<i>Acacia mearnsii</i> (Black wattle)		For <i>Acacias</i> 31 – 50 cm in height apply 3 l LANCER 100 SL in 400 litres spray mixture/ha.

SEEDLING WEEDS NORMALLY CONTROLLED POST-EMERGENCE IN FORESTRY AND NON-CROP AREAS AT 2.5 LITERS LANCER 100 SL / HECTARE:

<i>Bidens pilosa</i>	Blackjack
<i>Cirsium vulgare</i>	Scotch thistle
<i>Conyza albida</i>	Tall fleabane
<i>Tagetes minuta</i>	Tall khaki weed
<i>Taraxacum officinale</i>	Common dandelion

N.B. For assistance in the calibration for spot treatments please contact the local technical representative of the supplier.

B. FIELD CROPS

CROP/WEED	RATE/ha	REMARKS
CANOLA	1.5 l LANCER 100 SL	1. Apply post-emergence at 3 – 6 leaf stage of Canola when seedling weeds, as listed, are at the 2 – 4 leaf stage.

		2. A suitable registered adjuvant, should be added to the spray mixture at the prescribed concentration. 3. LANCER 100 SL is compatible with dimethoate or with cypermethrin or with haloxyfop-R methyl ester 108 g/l.
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**SEEDLING WEEDS NORMALLY CONTROLLED POST-EMERGENCE IN CANOLA
AT 1.5 LITERS LANCER 100 SL/ HECTARE:**

<i>Arctotheca calendula</i>	Cape weed
<i>Medicago</i> spp.	Clovers
<i>Pentzia grandiflora</i>	Karoo bush

ACTIPRON SUPER** (Mineral Oil), Reg. No. L5506, Act No. 36 of 1947, is the trademark of H&R GSP (Pty) Ltd.

WAARSKUWINGS:

- Giftig indien ingesluk word.
- Konsentraat mag irritasie van vel en oë veroorsaak.
- Bêre in 'n koel plek.
- Bêre weg van voedsel, voer, saad en ander landboumiddels en buite die bereik van kinders, oningeligte persone en diere.
- In geval van vergiftiging ontbied 'n geneesheer en toon hierdie etiket aan hom/haar.
- **HERBETREDING:** Moet nie behandelde gebied betree alvorens die spuitneerslag droog is nie, tensy beskermende oorklere gedra word.

In geval van vergiftiging, kontak:

GRIFFON POISON INFO SENTRUM: 082 446 8946

TEGNIËSE NAVRAE/INLIGTING TEL. NO. (011) 463-6057

Alhoewel hierdie middel omvattend onder 'n groot verskeidenheid toestande getoets is, waarborg die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie, aangesien die werking en effek daarvan beïnvloed kan word deur faktore soos abnormale klimaats- en bergingstoestande; kwaliteit van verdunningswater; verenig-baarheid met ander stowwe wat nie op die etiket aangedui is nie en die voorkoms van weerstand van die onkruid teen die betrokke middel sowel as die metode, tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei, die omgewing of vir nadelige effek op mens of dier of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van die versuim van die gebruiker om etiketaanwysings na te kom of as gevolg van die ontstaan van toestande wat nie kragtens die registrasie voorsien kon word nie. Raadpleeg die verskaffer in die geval van enige onsekerheid.

VOORSORGMAATREËLS:

- Dra beskermende handskoene, bril en klere wanneer die konsentraat hanteer word.
- Moenie dampe of spuitnewel inasem nie.
- Was besoedelde klere daagliks.
- Was onmiddellik met seep en water indien per ongeluk met die vel in aanraking kom.
- Vermoed aanraking met die oë. In geval van oogkontak, spoel oë met skoon water.
- Moenie eet, drink of rook tydens vermenging en toediening en alvorens hande en gesig gewas en skoon klere aangetrek is nie.
- Verhoed spuitstofwegdrywing na ander gewasse, weidings, riviere, damme of enige gebied wat nie behandel word nie.
- Om beskadiging van gewenste plante te voorkom moet houters en spuittoerusting wat gebruik is, deeglik skoongemaak word voor toediening van ander middels op sulke

plante. Gooi was- en spoelwater uit waar dit nie gewasse, weiding, riviere en damme sal besoedel nie.

- Spoel leë houer driekeer uit met 'n volume water gelykstaande aan 'n minimum van 10 % van die houer. Gooi die spoelwater by die inhoud van die spuittenk voordat die houer vernietig word deur gate daarin te maak en dit plat te druk en moet nie vir enige ander doel gebruik nie.

- Voorkom besoedeling van voedselware, voer, drinkwater en eetgerei.

RELEVANTE STOWWE	Inhoud (%)
Klopiralied monoetanolamien sout	10-15%

GEBRUIKSAANWYSINGS: Gebruik slegs soos aangedui.

VERENIGBAARHEID:

Die verenigbaarheid van **LANCER 100 SL** met ander middels, benewens die aangedui is onbekend en die gebruik daarvan saam met **LANCER 100 SL** moet vermy word.

VERMENGING:

Vul die spuittenk half vol met water en voeg die benodigde volume **LANCER 100 SL** by. Terwyl die spuittenk dan verder met water gevul word voeg die benatter by teen die dosis onder aangedui terwyl roering plaasvind.

TOEDIENING:

LOOFTOEDIENING:

(a) In Bosbou

- Wend slegs aan wanneer aktiefgroeïende Akasias 'n volle drag blare het.
- **LANCER 100 SL** toediening mag oor eucalyptus- en dennebome geskied.
- Dien toe as 'n volledige dekbespuiting op blare en stamme van Akasias.
- Moet nie op Akasias hoër as 0,5-meter toegedien word nie.
- Moet nie toegedien word indien reën binne drie ure waarskynlik is nie.
- Moet nie toegedien word wanneer Akasiablare nat as gevolg van reën of dou is nie.
- Verhoed spuitstofwegdrywing na gewenste plante. Teen geregistreerde dosisse sal **LANCER 100 SL** nie grasse beskadig nie.
- Gebruik 'n rugsak- of trekkerspuit wat toegerus is met platwaaier tipe spuitstukke (bv. Lumark 04-F80 of soortgelyke spuitstukke) wat egalige benutting sal verseker. Handhaaf 'n konstante druk van 250 – 300 kPa.

(b) In Kanola

- Dien toe met 'n trekker en spuitbalk in genoeg water (150 – 250-liter water/ha) om 'n goeie bedekking van die vatbare breëblaar onkruid te verseker.
- Moet nie toegedien word indien reën binne drie ure waarskynlik is nie.

- Moet nie toegedien word wanneer onkruid nat as gevolg van reën of dou is nie.
- Verhoed spuitstofwegdrywing na gewenste plante. Teen geregisteerde dosisse sal **LANCER 100 SL** nie grasse beskadig nie.

WYSE VAN WERKING:

Sekere van die Akasias sal sterf maar die meerderheid sal slegs onderdruk word. Hierdie onderdrukking veroorsaak dat die akasias kort bly as gevolg van staking van selverdeling en dus groei, vergeel, blare verloor en nie lewenskragtig is nie. Dit veroorsaak dat hulle minimaal of geen kompetisie vir die gewasbome sal wees nie. 'n Mate van hergroei mag plaasvind.

TOEDIENINGSHOEVEELHEDE EN -METODE VAN TOEDIENING

A. BOSBOU

NOTA: Actipron Super** moet bygevoeg word teen 500 ml per 100-liter spuitmengsel.

GEWAS/ONKRUID	DOSIS/ha	OPMERKINGS
EUCALYPTUS EN DENNE <i>Acacia mearnsii</i> (Swartwattel)	3 l LANCER 100 SL	Vir Akasias onder 30 cm in hoogte dien 3,0 l LANCER 100 SL toe in 300-liter spuitmengsel/hektaar. Vir Akasias 31 – 50 cm in hoogte dien 3,0 l LANCER 100 SL toe in 400-liter spuitmengsel/hektaar.

SAAILING ONKRUIDE NORMAALWEG NA-OPKOMS IN BOSBOU EN NIE-GEWAS AREAS TEEN 2.5 LITER LANCER 100 SL /HEKTAAR BEHEER:

<i>Bidens pilosa</i>	Gewone knapsekêrel
<i>Cirsium vulgare</i>	Skotse dissels
<i>Conyza albida</i>	Vaalskraalhans
<i>Tagetes minuta</i>	Langkakiebos
<i>Taraxacum officinale</i>	Perdeblom

L.W.: Vir hulp met kalibrasie by kolbehandeling raadpleeg die plaaslike tegniese verteenwoordiger van die verskaffer.

B. AKKERBOUGEWASSE

GEWAS/ONKRUID	DOSIS/ha	OPMERKINGS
KANOLA	1.5 l LANCER 100 SL	1. Dien na-opkoms toe op 3 – 6 blaarstadium van Kanola wanneer onkruidsaailinge, soos gelys, op die 2 – 4 blaarstadium is. 2. 'n Geregistreerde bevorderingsmiddel moet by die spuitmengsel gevoeg word. 3. LANCER 100 SL is met dimetooat of met sipermetrien of met haloksifop-R metielester mengbaar.

SAAILING ONKRUIDE NORMAALWEG NA-OPKOMS IN KANOLA TEEN 1.5 LITER LANCER 100 SL/HEKTAAR BEHEER BEHEER:

<i>Arctotheca calendula</i>	Gousblom
<i>Medicago</i> spp.	Klawers
<i>Pentzia grandiflora</i>	Stinkkruid

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