



Main Panel

BOUNDRY® 500 SC

Reg. No./Nr L10356 , Act No./Wet Nr. 36 of / van 1947

A suspension concentrate pre-emergence herbicide for the control of a broad spectrum annual broadleaf weeds and certain grasses in apples, citrus and grapevines.

'n Suspensie konsentraat voor-opkom onkruidodder vir die beheer van 'n breëspektrum breëblaaronkruiden en sekere grasse in appels, sitrus en wingerd.

HERBICIDE GROUP CODE C₁ / ONKRUIDDODERGROEPKODE

Active ingredient:

Aktiewe bestanddeel:

Terbuthylazine (triazine)..... 500 g/ l..... Terbutielasien (triasien)

NET VOLUME



NETTO VOLUME



NULANDIS®

REGISTRATION HOLDER / REGISTRASIEHOUER:

Nulandis® (A division of AECI Limited) / Nulandis® ('n Afdeling van AECI Beperk)

Reg. No. / Nr. 1924/002590/06

P.O. Box / Posbus 14418

Witfield, 1467

Tel : (011) 823 8000

www.nulandis.com

IN CASE OF POISONING PLEASE PHONE / IN GEVAL VAN VERGIFTIGING SKAKEL: 0861555777 / 0824468946

BOUNDRY® is the registered trademark of AECI Limited (Nulandis® a division of AECI Limited)/ AECI Beperk (Nulandis® 'n afdeling van AECI Beperk)

Batch No:

Lotnommer :

Date of Manufacture:

Datum van Vervaardiging:

UN No./VN Nr: 3082 (Environmentally hazardous substance, Liquid, n.o.s.)



CAUTION
VERSIGTIG



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CAUTION

WARNINGS:

Handle with care.

Harmful if swallowed.

May cause serious eye irritation.

Very toxic to fish and other aquatic organisms.

Store under lock and key and keep away from food, seed and fertilizers.

Keep out of reach of children, uninformed persons and animals.

Re-entry: Do not enter treated area until spray deposit has dried, unless wearing protective clothing.

In case of poisoning – CALL A DOCTOR AND MAKE THIS LABEL AVAILABLE TO HIM/HER.

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 THE 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:

Do not inhale spray mist.

Wear rubber gloves, boots and face shield when handling the concentrate.

Wash with soap and cold water after use or skin contact.

Do not eat, drink or smoke whilst mixing or applying or before washing hands and face and changing clothes.

Prevent contamination of food, feed, drinking water and eating utensils.

Prevent spray drift onto other crops, grazing, rivers, dams and other areas not under treatment.

Clean applicator thoroughly after use and dispose of wash water where it will not contaminate crops, grazing, rivers or dams.

Rinse empty container three times with a volume of water equal to a minimum of 30 % of that of the container and add rinsings to the contents of the spray tank before disposing of the container.

Destroy the empty container and dispose of it in a safe manner. Do not use for any other purpose.

The triple-rinsed container may be sent to an approved recycling facility for processing.

RESTRICTIONS FOR USE:

Only use on the crops as indicated on the label.

Do not apply **Boundry 500 SC** to apples, citrus trees or grapevines within one year after transplanting. Avoid treatment of young interplants/replants in established vineyards and orchards.

Do not apply **Boundry 500 SC** to apples, citrus trees or grapevines suffering from trace element deficiencies or brackish soil conditions.

Do not apply **Boundry 500 SC** to alkaline soils and/or shallow soils that are subject to waterlogging.

Boundry 500 SC has a relatively long residual activity in the soil and susceptible crops such as winter cereals, legumes, vegetables, etc. should not be planted in soils treated with **Boundry 500 SC** less than **18 months**.

RESISTANCE WARNING:

For resistance management, **Boundry 500 SC** is a Group code C₁ herbicide. Any weed population may contain individuals naturally resistant to **Boundry 500 SC** and other Group code C₁ herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. The resistant weeds may not be controlled by **Boundry 500 SC** or any other Group Code C₁ herbicides.

To delay herbicide resistance:

- Avoid exclusive repeated use of herbicides from the same herbicide group code. Alternate or tank mix with registered products from different herbicide group codes.
- Integrate other control methods (chemical, cultural, biological) into weed control programmes.

For specific information on resistance management contact the registration holder of this product.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED

The level of control and length of persistence will depend on weed species, conditions at and after planting, rainfall and soil organic matter. High rainfall or irrigation will reduce length of residual control.

Boundry 500 SC is mainly absorbed by the roots of weed seedlings and has very little or no effect on established weeds. Where weeds have already emerged, these weeds must first be destroyed through cultivation or using a suitable post-emergence herbicide. Where the weeds have already reached a dense stand **Boundry 500 SC** will not penetrate the weeds to reach the soil. In such situations the weeds must first be killed with a post-emergence herbicide before the **Boundry 500 SC** can be applied. **Boundry 500 SC** does not control weeds that reproduce by underground vegetative organs such as stolons or rhizomes.

COMPATIBILITY:

The compatibility of **BOUNDRY 500 SC** has not yet been proven with other agricultural remedies. Its compatibility with other products may be influenced by several factors. As certain factors may vary from farm to farm, a physical compatibility test must always be performed before such a tank mixture is sprayed.

For more information on compatibility or in the event of uncertainty, contact your local Nulandis representative.

MIXING INSTRUCTIONS

Shake well before use. Replace screw cap after use.

Half-fill the spray tank with water and start agitation. Pour the required quantity of **Boundry 500 SC** through a 50 mesh sieve into the tank. Top up the tank with water to the final volume required. Ensure thorough agitation during filling and application.

APPLICATION METHOD:

Boundry 500 SC can be applied with medium or high volume sprayers fitted with an efficient agitation mechanism, which is capable of giving adequate coverage and even distribution. The best results are obtained using TeeJet 110 spray nozzles and a spray volume of 200 ℓ per hectare.

APPLICATION TABLE:

CROP	DOSAGE RATE / Ha	RECOMMENDATIONS
APPLES	3.5 ℓ	Apply during Spring.
CITRUS		
GRAPEVINES (Irrigated trellised vines)		Apply during early Spring.
Dryland and irrigated bush vines		Apply before budburst.

In situations where band applications to the row only are made, the recommended rate of **BOUNDRY 500 SC** applied per hectare should be reduced accordingly.

WEEDS CONTROLLED BY BOUNDRY 500 SC:

The following weeds are controlled by **Boundry 500 SC**:

Broadleaf weeds

<i>Amaranthus hybridus</i>	Common pigweed
<i>Amaranthus thunbergii</i>	Red pigweed
<i>Bidens bipinnata</i>	Spanish blackjack
<i>Bidens pilosa</i>	Blackjack
<i>Chenopodium album</i>	White goosefoot
<i>Chenopodium carinatum</i>	Green goosefoot
<i>Conyza albida</i>	Tall fleabane
<i>Erodium moschatum</i>	Musk Heron's bill
<i>Galinsoga parviflora</i>	Gallant soldier
<i>Gisekia pharnaceoides</i>	Gisekia
<i>Malva parviflora</i>	Small mallow
<i>Medicago polymorpha</i>	Bur clover
<i>Oenothera stricta</i>	Evening primrose
<i>Oxalis pes-caprae</i>	Yellow sorrel
<i>Portulaca oleracea</i>	Purslane
<i>Polygonum aviculare</i>	Prostrate knotweed = Hogweed
<i>Raphanus raphanistrum</i>	Wild radish
<i>Schkuhria pinnata</i>	Dwarf marigold
<i>Stellaria media</i>	Chickweed
<i>Sonchus oleraceus</i>	Sowthistle
<i>Tagetes minuta</i>	Khaki weed

Grass weeds:

<i>Bromus catharticus</i>	Rescue grass
<i>Digitaria sanguinalis</i>	Crab finger-grass
<i>Lolium temulentum</i>	Darnel ryegrass

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Onkruidoddergroepkode C₁

AKTIEWE BESTANDDEEL:

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VERSIGTIG

WAARSKUWINGS:

Hanteer versigtig.

Skadelik indien ingesluk.

Mag ernstige oogirritasie veroorsaak.

Uiters giftig vir vis en ander akwatiese organismes.

Berg agter slot en grendel weg van voedsel, saad en kunsmis.

Hou buite bereik van kinders, oningeligte persone en diere.

Herbetreding: Moenie behandelde gebied betree alvorens die spuitneerslag droog is nie, tensy beskermde oorklere gedra word.

In geval van vergiftiging – ONTBIED 'N GENEESHEER EN STEL HIERDIE ETIKET AAN HOM/HAAR BESKIKBAAR.

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, VERENIGBAARHEID MET ANDER STOWWE WAT NIE OP DIE ETIKET AANGEDUI IS NIE EN DIE VOORKOMS VAN WEERSTAND VAN DIE ONKRUIDE TEEN DIE BETROKKE MIDDEL SOWEL AS DIE METODE, TYD EN AKKURAAKTHEID 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 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:

Vermyn inaseming van sporeinewel.

Dra rubberhandskoene, rubberskoene en gesigskerm wanneer die konsentraat hanteer word.

Was met seep en koue water na gebruik of velkontak.

Moenie eet, rook of drink tydens vermenging of toediening of voordat hande en gesig gewas en skoon klere aangetrek is nie.

Verhoed besoedeling van voedsel, voer, drinkwater en eetgerei.

Verhoed die wegdrywing van sporeinewel na ander gewasse, weidings, riviere, damme of ander gebiede wat nie behandel word nie.

Maak spuitapparaat deeglik skoon na gebruik en gooi die spoelwater waar dit nie gewasse, weiding, riviere of damme kan besoedel nie.

Spoel die leë houer driekeer uit met 'n volume water gelykstaande aan 'n minimum van 30% van die houer.

Gooi die spoelwater by die inhoud van die spuittenk voordat die houer vernietig word.

Vernietig leë houer en raak daarvan ontslae op 'n veilige manier. Moet dit nie vir enige ander doel gebruik nie.

Leë houe wat driekeer uitgespoel is kan aan 'n goedgekeurde verwerkingsaanleg gestuur word.

GEBRUIKSBEPERKINGS:

Gebruik slegs op gewasse soos aangedui in hierdie etiket.

Moenie **Boundry 500 SC** op appelbome, sitrus en wingerde binne een jaar na uitplant toedien nie. Voorkom die behandeling van jong inplanting- of herplantings in gevestigde wingerde en boorde.

Moenie **Boundry 500 SC** op appelbome, sitrus en wingerde wat aan 'n tekort van spoorelemente onderhewig is of op brakgronde groei toedien nie.

Moenie **Boundry 500 SC** op alkaliese gronde en / of vlak gronde wat aan versuiping onderhewig is toedien nie.

Boundry 500 SC het 'n relatiewe lang nawerking in die grond en gevoelige gewasse soos wintergrane, groente gewasse, peulgewasse, ens. moenie binne **18 maande** na 'n **Boundry 500 SC** toediening geplant word nie.

WEERSTANDSWAARSKUWING:

Boundry 500 SC is 'n Groepkode C₁ onkruidodder. Enige populasie van 'n spesifieke onkruid spesie mag individue insluit wat 'n natuurlike weerstand teen **Boundry 500 SC** of enige ander Groepkode C₁ onkruidodders het. Indien hierdie onkruidodders herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die onkruidpopulasie oorheers. Hierdie weerstandbiedende onkruid sal waarskynlik nie deur **Boundry 500 SC** of enige ander Groepkode C₁ onkruidodders beheer word nie.

Om weerstand teen onkruidodders te vertraag:

- Vermyn die eksklusiewe herhaaldelike gebruik van onkruidodders met dieselfde Groepkode. Wissel af met, of gebruik tenkmengsels van produkte in verskillende onkruidoddergroepcodes.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in onkruidbeheerprogramme.

Vir spesifieke inligting oor weerstandsbestuur kontak die registrasiehouer van hierdie produk.

GEBRUIKSAANWYSINGS: GEBRUIK SLEGS SOOS AANGEDUI

Die graad van beheer en lengte van nawerking hang af van onkruidspesie, onkruidgrootte, groeistoestand tydens en na bespuiting, reënval en organiese materiaalinhoud van die grond. Hoë reënval of besproeiing sal die tydperk van residuele beheer verkort.

Boundry 500 SC word hoofsaaklik deur die wortels van onkruidsaailinge opgeneem en dit het min of geen effek op gevestigde onkruid. Waar onkruid reeds opgekom het moet hierdie onkruid eers vernietig word deur 'n skoffelbewerking of deur middel van die toediening van 'n geskikte na-opkom onkruidodder. Waar sodanige onkruid alreeds 'n digte stand bereik het kan dit verhoed dat **Boundry 500 SC** deurdring tot op die grond en moet hierdie onkruid eers met 'n na-opkom onkruidodder gedood word alvorens **Boundry 500 SC** toegedien word.

Boundry 500 SC beheer nie gevestigde onkruid of onkruid wat deur ondergrondse vegetatiewe organe soos wortelstokke voortplant nie.

VERENIGBAARHEID:

Die verenigbaarheid van **BOUNDRY 500 SC** met ander landboumiddels is nog nie bewys nie. Die verenigbaarheid met ander landboumiddels kan beïnvloed word deur verskeie faktore. Aangesien sekere faktore mag varieër van plaas tot plaas, moet 'n fisiese verenigbaarheid eers op klein skaal gedoen word voordat enige sulke tenkmengsels gespuit word. Vir verdere besonderhede rakende verenigbaarheid óf in die geval van enige onsekerheid, raadpleeg u plaaslike Nulandis verteenwoordiger.

MENGINSTRUKSIES:

Skud die houer deeglik voor gebruik. Plaas die skroefprop terug na gebruik.

Maak die spuittenk halfvol met water en skakel die roerder aan. Voeg die benodigde hoeveelheid **Boundry 500 SC** deur 'n 50 maas-sif by. Vul die spuittenk met water tot die verlangde hoeveelheid volume. Verseker dat die spuitmengsel aanhoudend en deeglik geroer word tydens vulling en toediening.

TOEDIENINGSMETODE:

Boundry 500 SC kan met enige medium of hoë volume spuitapparaat wat oor 'n doeltreffende roermeganisme beskik, toegedien word. Verseker dat die onkruidododer eweredig oor die teikengebied toegedien word. Die beste resultate word verkry deur gebruik te maak van TeeJet 110 spuitpunte en 'n spuitvolume van 200 ℓ per hektaar.

TOEDIENINGSTABEL:

GEWAS	TOEDIENINGSHOEVEELHEID / Ha	OPMERKINGS
APPELS	3.5 ℓ	Dien toe gedurende Lente.
SITRUS		
WINGERD (Besproeide opleiwingerd)		Dien toe gedurende vroeë Lente.
Droëland wingerd en besproeide bosstokwingerd		Dien toe vóór bot.

ONKRUIDE WAT DEUR BOUNDRY 500 SC BEHEER WORD:

Breëblaaronkruide

<i>Amaranthus hybridus</i>	Gewone misbriedie
<i>Amaranthus thunbergii</i>	Rooimisbriedie
<i>Bidens bipinnata</i>	Spaanse knapsekêrel
<i>Bidens pilosa</i>	Knapsekêrel
<i>Chenopodium album</i>	Withondebossie
<i>Chenopodium carinatum</i>	Groenhondebossie = Hondepisbossie
<i>Conyza albida</i>	Vaalskraalhans
<i>Erodium moschatum</i>	Turknael
<i>Galingsoga parviflora</i>	Knopkruid
<i>Gisekia pharnaceoides</i>	Gisekia
<i>Malva parviflora</i>	Kiesieblaar
<i>Medicago polymorpha</i>	Klitsklawer
<i>Oenothera stricta</i>	Nagblom
<i>Oxalis pes-caprae</i>	Geelsuring
<i>Portulaca oleracea</i>	Porslein = Varkslaai
<i>Polygonum aviculare</i>	Voëlduisendknoop = Koperdraad
<i>Raphanus raphanistrum</i>	Ramenas
<i>Schkuhria pinnata</i>	Kleinkakiebos
<i>Stellaria media</i>	Sterremuur
<i>Sonchus oleraceus</i>	Sydissel
<i>Tagetes minuta</i>	Kakiebos

Grasonkruide:

<i>Bromus catharticus</i>	Reddingsgras
<i>Digitaria sanguinalis</i>	Kruisvingergras
<i>Lolium temulentum</i>	Draboksaaigras