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**Ronstar®**

5 l

**Herbicide**

A herbicide formulated as an emulsifiable concentrate, for the control of broadleaf weeds and certain annual grasses in crops as indicated.

contains:  
Oxadiazon  
(oxadiazole)





★ ★ ★ ★ ★  
**Ronstar**<sup>®</sup>



SEE ENCLOSED PAMPHLET FOR FULL PARTICULARS

BEFORE USING THIS PRODUCT PLEASE READ THE LABEL CAREFULLY

Reg. No. L417 (Act No. 36 of 1947)  
Botswana Reg. No. W130490 (Act No. 18 of 1999)

**A herbicide formulated as an emulsifiable concentrate, for the control of broadleaf weeds and certain annual grasses in crops as indicated.**

SIEN INGESLOTTE PAMFLET VIR VOLLEDIGE BESONDERHEDE

Reg. Nr. L417 (Wet Nr. 36 van 1947)

**'n Onkruidodder geformuleer as 'n emulgeerbare konsentraat, vir die beheer van breëblaaronkruiide en sekere eenjarige grasse in gewasse soos aangedui.**

GROUP / GROEP **E** HERBICIDE / ONKRUIDODDER



**DANGER**

**HAZARD STATEMENTS:**

Flammable liquid and vapour. May be fatal if swallowed or enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness and dizziness. Very toxic to aquatic life with long lasting effects.

**PRECAUTIONARY STATEMENTS:**

Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear protective gloves/ protective clothing/ eye protection/ face protection. IF SWALLOWED, immediately call a POISON CENTER/doctor/physician. Do not induce vomiting.

**Active ingredient:**

Oxadiazon (oxadiazole)..... 250 g/l

**Aktiewe bestanddeel:**

Oksadiason (oksadiasool)..... 250 g/l

**REGISTERED BY / GEREJISTREER DEUR:** Bayer (Pty) Ltd / (Edms) Bpk

Reg. 1968/011192/07

P.O. Box/Posbus 143, Isando 1600 South Africa/Suid-Afrika

TEL: (OFFICE HOURS) / (KANTOORURE) (011) 921 5911

**IN CASE OF POISONING PLEASE PHONE / IN GEVAL VAN VERGIFTIGING SKAKEL:** 0861 555 777

**Ronstar**<sup>®</sup> is a registered trademark of the Bayer Group.

**Ronstar**<sup>®</sup> is 'n geregistreerde handelsmerk van die Bayer Groep.

**BATCH NUMBER / LOTNOMMER:** See on pack

**DATE OF MANUFACTURE / DATUM VERVAARDIG:** Sien op houer

UN No. / VN Nr. 1993

**Bayer**

RSA/0923/Ronstar 5L/Back Label  
Code: ZA05719290G - South Africa

## WARNINGS:

### HAZARD STATEMENTS:

- Flammable liquid and vapour.
- May be fatal if swallowed or enters airways.
- Causes skin irritation.
- Causes serious eye irritation.
- May cause drowsiness and dizziness.
- Very toxic to aquatic life with long lasting effects.

**DO NOT PLANT CUCURBITS (E.G. CUCUMBERS, PUMPKINS, MELONS) IN RONSTAR TREATED SOIL LESS THAN 6 MONTHS AFTER TREATMENT.**

FLAMMABLE - Do not store near open flame.

Store in a cool place, away from food, feed, seed or other agricultural remedies.

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

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

Although **Ronstar** has been tested on most important cultivars and no significant phytotoxicity in the form of yield reduction has been recorded under normal growing conditions, this does not mean that a more sensitive cultivar might not be commercialized in the future. Where a new cultivar is encountered, large areas should not be sprayed without prior testing of **Ronstar** on that cultivar.

**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 SOIL, 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 TO 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:

### PRECAUTIONARY STATEMENTS:

- Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
- Keep away from hear, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Wear protective gloves/ protective clothing/ eye protection/ face protection.
- IF SWALLOWED, immediately call a POISON CENTER/doctor/physician.
- Do not induce vomiting.

Do not inhale fumes or spray mist.

Wash contaminated clothing daily.

Wash with soap and water after skin contact. In case of eye contact rinse immediately with running water.

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

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

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

Clean all equipment thoroughly after use and do not pollute the environment with wash water.

When empty, invert the container over the spray tank or mixing tank and allow it to drain for at least 30 seconds after the flow has slowed down to a drip.

Thereafter rinse the container three times with a volume water equal to at least one tenth of that of the container and add the rinsings to the contents of the spray tank. Destroy the container by puncturing and burying or burning it. Do not use the container for any other purpose.

## RELEVANT SUBSTANCES:

Formulation inert	CAS Number	Conc. (%)
Oxadiazon	19666-30-9	25.3
Solvent Naphtha (petroleum), heavy aromatic, aromatic,<1% Naphthalene	64742-94-5	>25.0
Cyclohexanone	108-94-1	> 1,0 - < 25,0
Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts	68953-96-8	> 1,0 - < 5,0
Ethoxylated polyarylphenol	99734-09-5	> 1,0 - < 10,0
2-Methylpropan-1-ol	78-83-1	> 1,0 - < 5,0

**RESISTANCE WARNING:**

**Ronstar** is a member of the oxadiazole group of herbicides. The mode of action of this group is primarily the inhibition of the protoporphyrinogen oxidase (PPO) enzyme and, as such it is classified by HRAC as a Group Code E herbicide. Any weed population may contain individuals naturally resistant to **Ronstar** and other Group Code E herbicide. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **Ronstar** and are unlikely to be controlled by other herbicides which inhibit the PPO enzyme.

Since the presence of resistant weeds is difficult to detect prior to herbicide application, it is of the utmost importance that treated areas be inspected at regular intervals to identify the occurrence of herbicide-resistant weeds timeously. Bayer (Pty) Ltd will not accept liability for performance failures in the event of a build-up of resistant weeds resulting from inadequate resistance management practices as indicated on the label.

To delay herbicide resistance:

- Avoid exclusive repeated use of herbicides from the same herbicide Group Code. Alternate or tank mix with products from different herbicide Group Codes.
- Integrate other control methods [chemical, cultural, biological] into weed control programmes.

For specific information on resistance management contact your local Bayer CropScience representative.

**DIRECTIONS FOR USE:** USE ONLY AS DIRECTED

**COMPATIBILITY:**

**Ronstar** can safely be tank mixed with **Lasso EC** (Reg. No. L977) or **Lasso Micro-Tech** (Reg. No. L4728) at the recommended rates.

AS VARIATIONS MAY EXIST BETWEEN FORMULATIONS OF PRODUCTS CONTAINING THE SAME ACTIVE INGREDIENTS, THE TRADE NAMES AND REGISTRATION NUMBERS OF THE TESTED PRODUCTS ARE SHOWN. DO NOT MIX **RONSTAR** WITH ANY OTHER PRODUCTS.

**MIXING INSTRUCTIONS:**

SHAKE CONTAINER WELL BEFORE USE. CLOSE CONTAINER TIGHTLY AFTER USE.

Half fill the spray tank with clean water, add the required quantity of **Ronstar** and then top up to the required volume with clean water. If tank mixtures of **Ronstar** are used, first add the **Ronstar** to a half filled spray tank, followed by the tank mix partner. Then top up to the required volume with clean water. Ensure thorough agitation of the spray mixture during filling and application. Do not allow the mixture to stand overnight.

**METHOD OF APPLICATION:**

Apply a minimum of 500 l spray mixture per ha to ensure effective coverage.

Ensure that the spray applicator is correctly calibrated. It is recommended that flat fan nozzles be used. Thoroughly flush out spraying equipment at the end of the spraying operation.

Apply **Ronstar** to moist soil surface in good tilth. Where **Ronstar** is applied to a dry soil surface, irrigate soon after application. Regular irrigation or rain will ensure that the **Ronstar** remains active. IF THE SOIL BECOMES DRY, **Ronstar** WILL BECOME INACTIVATED. Do not disturb the soil surface after application as this will affect the residual activity of the chemical.

**APPLICATION TABLE:**

CROP	DOSE RATE PER HECTARE	REMARKS
APPLES, PEARS, PLUMS, PEACHES & APRICOTS	5 to 6 l	<b>Winter rainfall region only:</b> Safe for use in nurseries and in transplanted orchards of any age. Use only where regular micro irrigation is applied. Apply to a clean soil surface only, i.e., existing weed growth must first be removed by chemical or mechanical means. Apply just before or after the start of the summer irrigation sequence. Avoid contact of the chemical with the buds or leaves of the trees. Do not use <b>Ronstar</b> during the period, one month before budding until 1 December.
CARNATIONS	6 l	Apply after transplanting rooted carnation cuttings or at any stage thereafter. Spray over the soil preferably before laying woodwool. Where woodwool has already been laid, saturate the wool with water before and after application of <b>Ronstar</b> .
CITRUS (Young orchards)	4 to 5 l	Apply as a directed spray after transplanting young citrus trees. A second application may be made later in the season if necessary. Use only where regular micro irrigation is applied. Apply to a clean soil surface only, i.e., existing weed growth must first be removed by chemical or mechanical means. Avoid contact of the chemical with the leaves of the trees.
GLADIOLI	4 to 5 l	Apply after planting of corms and before emergence of the leaves. Do not apply if corms smaller than 8 cm in circumference have been planted.
GRAPEVINES		Use only where regular micro irrigation is applied. Apply as a directed spray to a clean soil surface only, i.e., existing weed growth must first be removed by chemical or mechanical means.
Established vines	4 to 5 l	Avoid contact of the chemical with the leaves and buds of the vines.
Newly planted vines	4 to 5 l	Shield the vines during application to ensure that there is no contact between the chemical and the vines. Apply while the vines are dormant. Do not use <b>Ronstar</b> during the period one month before and one month after budding.

CROP	DOSE RATE PER HECTARE	REMARKS
<b>ONIONS</b> <b>Direct seeded</b>	4 to 5 ℓ	Apply only when the onion plants have 3 to 4 true leaves.
<b>Sett planted</b>	4 to 5 ℓ	Apply before or after emergence of the onion setts.
<b>Transplanted</b>	4 to 5 ℓ	Apply after transplanting.
<b>PAPRIKA</b>	4 ℓ or 3 ℓ <b>Ronstar</b> plus 4 to 5 ℓ <b>Lasso EC</b> or 3 ℓ <b>Ronstar</b> plus 3 to 4 ℓ <b>Lasso Micro-Tech</b>	Apply over the soil surface before transplanting paprika seedlings. Plant only strong, healthy seedlings with at least six true leaves and with stems becoming woody and at least as thick as matchsticks. Their roots must be well settled into the soil to minimize transplanting shock. Irrigate as soon as possible after planting. Crop damage may result if weak or stressed seedlings are transplanted into <b>Ronstar</b> treated soil. Use of the tank mixture with either <b>Lasso EC</b> or <b>Lasso Micro-Tech</b> will broaden the spectrum of grass weeds controlled. See Notes 4 & 6.
<b>RICE</b> <b>(Overhead irrigation)</b>	4 ℓ	Apply <b>Ronstar</b> after planting the rice, but pre-emergence of the rice and the weeds. Irrigate as soon as possible after planting.
<b>ROSES</b>	4 to 5 ℓ	Apply to the soil surface after pruning the bushes. Where spraying is carried out during the growing season, avoid contact of the chemical with the leaves and young buds. <b>NOTE : DO NOT APPLY TO ROSES GROWN INDOORS.</b>
<b>TOBACCO</b> <b>(Flue-cured)</b> <b>(Virginia type)</b>	4 to 5 ℓ	Use only on transplanted tobacco seedlings under irrigation. The seedlings must be strong and healthy, with their roots well settled into the soil. Apply only between the plant rows directed to a clean soil surface after ridging, or if ridging is not intended, as soon as the tobacco seedlings show active growth. Avoid contact of the chemical with the leaves of the plants. See Notes 4, 7 & 8.

#### **NOTES:**

- For broadleaf weed control, **Ronstar** must be applied pre-emergence or early post-emergence, i.e., not later than the 2 to 3-leaf stage of the weeds.
- For control of grasses, **Ronstar** must only be applied pre-emergence of the weeds. The higher dose rate (5 ℓ/ha) is recommended where the weed spectrum includes crab finger-grass (*Digitaria sanguinalis*) in crops where this application rate is permitted.
- The pre-emergence control of deep and / or late germinating weeds may sometimes be erratic.
- Do not use **Ronstar** in annual crops in lands that are prone to waterlogging.
- Do not use **Ronstar** on rocky or sandy soil containing less than 10% clay.
- Under certain conditions **Ronstar** may cause some yellowing of paprika leaves, however, this is of a transitory nature and yield will not be significantly affected.
- Phytotoxicity symptoms will normally be evident if the sand leaves of tobacco plants are accidentally treated. This is usually of a transitory nature and should not be noticeable at harvest. Slight growth retardation may also become evident after the application of **Ronstar**, but the plants usually grow out of this later and normal leaf yields are produced.
- If tobacco seedlings have to be replaced after the application of **Ronstar**, a certain degree of phytotoxicity can be expected if treated soil lands in the planting hole. Remove treated soil by scraping it aside before the planting hole is made.

## **WEEDS CONTROLLED BY RONSTAR:**

### **Pre-emergence only**

<i>Digitaria sanguinalis</i>	crab finger-grass
<i>Eleusine indica</i>	goose grass
<i>Hordeum murinum</i>	wild barley
<i>Lolium multiflorum</i>	Italian ryegrass
<i>Panicum schinzii</i>	sweet buffalo grass

### **Germinating seed only**

<i>Plantago lanceolata</i>	narrow-leaved ribwort
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### **Pre- and post-emergence up to the 2-3 leaf stage**

<i>Amaranthus deflexus</i>	perennial pigweed
<i>A. hybridus</i>	common pigweed
<i>Anagallis arvensis</i>	pimpernel
<i>Chenopodium album</i>	white goosefoot
<i>C. murale</i>	nettle-leaved goosefoot
<i>Citrullus lanatus</i>	white watermelon
<i>Coronopus didymus</i>	swine cress
<i>Datura stramonium</i>	thorn apple
<i>Emex australis</i>	spiny Emex
<i>Erodium moschatum</i>	musk heron's bill
<i>Fumaria muralis</i>	fumitory
<i>Inula graveolens</i>	Cape khaki weed
<i>Lactuca serriola</i>	wild lettuce
<i>Oxalis pes-caprae</i>	yellow sorrel
<i>Polygonum aviculare</i>	prostrate knotweed
<i>Portulaca oleracea</i>	purslane
<i>Raphanus raphanistrum</i>	wild radish

**NOTE:** Ronstar controls the abovementioned weed species in the tank mixes as indicated. Other weed species that were not present during the development trials with the product, may also be controlled to a certain degree. The registration holder does not accept any responsibility for unlisted weeds.

## **BAYER (PTY) LTD ACKNOWLEDGES THE FOLLOWING:**

### **PRODUCT:**

Lasso®

### **TRADEMARK OF:**

Monsanto Company

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**Bayer**

## WAARSKUWINGS:

### GEVAARVERKLARINGS:

- Vlambare vloeistof en damp.
- Mag dodelik wees indien ingesluk en in lugweg beland.
- Veroorsaak velirritasie.
- Veroorsaak ernstige oogirritasie.
- Mag slaperigheid of duiseligheid veroorsaak.
- Baie giftig vir waterlewendes organismes met langdurige gevolge.

## MOENIE PAMPOENGEWASSE (BV. KOMKOMMERS, PAMPOENE, SPANSPEKKE) BINNE 6 MAANDE NA TOEDIENING IN RONSTAR-BEHANDELDE GROND PLANT NIE.

VLAMBAAR - Hou weg van oop vlamme.

Berg in 'n koel plek, weg van voedsel, voer, saad of enige ander landboumiddels.

Hou buite bereik van kinders, oningeligte persone en diere.

Herbetreding - Moenie behandelde gebied binnegeen alvorens die spuitneerslag droog is nie, tensy beskermende oorklere gedra word.

Alhoewel **Ronstar** op die meeste belangrike kultivars getoets is, met geen betekenisvolle simptome van fitotoksiteit in die vorm van oesverlaging, onder normale groei-toestande nie, beteken dit nie dat 'n meer vatbare kultivar nie in die toekoms gekommersialiseer kan word nie. Waar 'n nuwe kultivar teëgekem word, moet groot areas nie behandel word voordat **Ronstar** op daardie kultivar getoets is nie.

**ALHOEWEL HIERDIE MIDDEL OMVATTEND ONDER 'N GROOT VERSEKIDENHEID TOESTANDE GETOETS IS WAARBORG DIE REGISTRASIEHOUER NIE DAT DIT ONDER ALLE TOESTANDE DOELTREFFEND SAL WEES NIE AANGESIEN DIE WERKING EN EFFEK DAARVAN BEINVLOED KAN WORD DEUR FAKTORE SOOS ABNORMALE GROND-, 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 AKKURAAATHEID 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 DIE TOESTANDE WAT NIE KRAGTENS DIE REGISTRASIE VOORSIEN KON WORD NIE. RAADPLEEG DIE VERSKAFFER IN DIE GEVAL VAN ENIGE ONSEKERHEID.**

## VOORSORGMATREËLS:

### VOORSORGSVERKLARINGS:

- Moet nie poelie/walm/gas/stuifsel/dampe/spuitstof inasem nie.
- Hou weg van hitte, warm oppervlakte, vonke, oop vlamme en ander ontstekingsbronne. Rook verbode.
- Dra beskermende handskoene/beskermende kleres/oogbeskerming/gesigbeskerming
- INDIEN INGESLUK: Verky onmiddellik mediese noodhulp.
- Moet NIE vorming induseer nie.

Moenie die dampe of sproei-newel inasem nie.

Was besoedelde klere daaglik.

Was met seep en water indien die middel met die vel in aanraking kom. In geval van oogkontak spoel onmiddellik met lopende water.

Moenie eet, rook of drink tydens vermenging of bespuiting, of voordat hande en gesig gewas en skoon kleres aangetrekk is nie.

Verhoed besoedeling van voedsel, eetgerei, voer en drinkwater.

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

Maak alle apparaat deeglik skoon na gebruik en moenie die omgewing met spoelwater besoedel nie.

Sodra die houer leeg is keer dit om oor die spuit tenk of mengbak en dreineer vir minstens 30 sekondes nadat die vloeitot 'n gedrup verminder het.

Spoel die houer daarna driekeer uit met 'n volume water gelyk aan minstens 'n tiende van die houer en gooi die spoelwater by die inhoud van die spuittekk. Vernietig die houer deur gate daarin te maak en te bewege of te verbrand. Moenie die houer vir enige ander doel gebruik nie.

## RELEVANTE STOWWE:

Formulasie inoert	CAS Number	Conc. (%)
Oxadiazon	19666-30-9	25.3
Solvent Naphtha (petroleum), heavy aromatic, aromatic,<1% Naphthalene	64742-94-5	>25.0
Cyclohexanone	108-94-1	> 1,0 – < 25,0
Benzensusfonic acid, mono-C11-13-branched alkyl derivs., calcium salts	68953-96-8	> 1,0 – < 5,0
Ethoxylated polyary/phenol	99734-09-5	> 1,0 – < 10,0
2-Methylpropan-1-ol	78-83-1	> 1,0 – < 5,0

## WEERSTANDSWAARSKUWING:

**Ronstar** behoort aan die oksadiasool groep van onkruidodders. Die metode van werking van hierdie groep is die inhibering van die protoporfirinoëen oksidase (PPO) ensiem en as sulks word dit deur HRAC as 'n Groepkode E onkruidodder geklassifiseer. Enige populasie van 'n spesifieke onkruid mag individue insluit wat 'n natuurlike weerstand teen **Ronstar**, of enige ander Groepkode E onkruidodder het. Indien hierdie onkruidodders herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindeel die onkruidpopulasie oorheers. Hierdie weerstandbiedende onkruid sal moontlik nie deur **Ronstar** of enige van die ander PPO ensiem onkruidodders beheer word nie.

Aangesien die voorkoms van weerstandbiedende onkruid moeilik is om te bepaal voor onkruidodderoediening plaasvind, is dit uiters noodsaaklik dat behandelde gebiede met gereelde intervalle ondersoek word om weerstand vroeëtydig te identifiseer. Bayer (Edms) Bpk. sal nie verantwoordelikheid aanvaar vir enige gebrek aan prestasie in die geval van die opbou van weerstand in die onkruidpopulasie as gevolg van onvoldoende onkruidbestandsbestuur soos aangedui op die etiket nie.

Om weerstand teen onkruidodders te vertraag:

- Verminder die eksklusiewe herhaaldelike gebruik van onkruidodders in dieselfde onkruidoddergroepkode. 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 u naaste Bayer CropScience verteenwoordiger.

## GEBRUIKSAANWYSINGS: GEBRUIK SLEGS SOOS AANGEDUI

### VERENIGBAARHEID :

**Ronstar** kan met veiligheid in tenkmengsels met **Lasso EC** (Reg. Nr. L977) of **Lasso Micro-Tech** (Reg. Nr. L4728) gebruik word teen die aanbevole dosisse.

AANGESIEN VARIASIES MAG VOORKOM TUSSEN FORMULASIES VAN PRODUKTE WAT DIESELFDE AKTIEWE BESTANDDELE BEVAT, WORD DIE HANDELSNAME EN REGISTRASIONUMMERS VAN DIE GETOETSTE PRODUKTE HIERBY AANGEDUI. MOENIE **RONSTAR** MET ENIGE ANDER PRODUKTE VERMENG.

### MENGINSTRUKSIES:

SKUD HOUER DEEGLIK VOOR GEBRUIK. MAAK HOUER STYF TOE NA GEBRUIK.

Voeg eers ongeveer die helfte van die totale volume skoon water in die spuitnek. Voeg nou die hoeveelheid **Ronstar** soos aangedui by en daarna die oorblywende volume water soos benodig. In die geval waar tenkmengsels gebruik word, voeg eers die **Ronstar** by die halfvol tenk. Voeg dan die ander produk by die tenk terwyl die tenkmengsel aanhoudend geroer word. Maak die tenk tot die gewenste volume vol. Moenie spuitmengsel oormag laat staan nie.

### TOEDIENINGSMETODE:

Maak gebruik van 'n minimum van 500 l spuitmengsel per ha om sodoende deeglike bedekking te verseker. Maak seker dat die spuitapparaat deeglik gekalibreer is. Daar word aanbeveel dat platwaaier spuitpunte gebruik word. Spuittoerusting moet deeglik uitgespoel word na toediening.

Dien **Ronstar** toe op fynbewerkte, klam grondoppervlaktes. Indien **Ronstar** op 'n droë grondoppervlakte gedien word, moet die grond kort na toediening besproei word. Gereelde reën of besproeiing sal verseker dat **Ronstar** aktief gehou word. INDIEN DIE GROND UITDROOG SAL **Ronstar** INAKTIEWEER WORD. Moenie die grondoppervlakte na toediening versteur nie, aangesien dit die middel se naweringsaksie sal benadeel.

### TOEDIENINGSTABEL:

GEWAS	DOSIS PER HEKTAAR	OPMERKINGS
ANGELIERE	6 l	Dien toe na uitplant van gewortelde steggies of enige groeistadium daarna. Spuit oor die grondoppervlakte voordat houtwol versprei word. Indien houtwol reeds gebruik is, moet dit voor en na toediening van <b>Ronstar</b> met water deurwek word.
APPELS, PERE, PRUIIME, PERSKES & APPELKOSE	5 tot 6 l	<b>Slegs Winterreïnvalgebied:</b> Veilig vir gebruik in kwekerye en in uitgeplante boorde van enige ouderdom. Gebruik slegs waar gereelde mikro-besproeiing toegepas word. Dien toe op 'n skoon grondoppervlakte, d.w.s., bestaande onkruid moet eers chemies of meganies verwyder word. Dien toe net voor of nadat die somerbesproeiingsklus 'n aanvang neem. Verminder kontak van die middel met die oë van blare van die bome. Moenie <b>Ronstar</b> gedurende die periode een maand voor tot 1 Desember gebruik nie.
PAPRIKA	4 l of 3 l <b>Ronstar</b> plus 4 tot 5 l <b>Lasso EC</b> of 3 l <b>Ronstar</b> plus 3 tot 4 l <b>Lasso Micro-Tech</b>	Dien breedwerpig toe voor die uitplant van die paprika saailinge. Plant net gesonde sterk paprika saailinge met minstens ses afwielende blare en waarvan die stammetjies begin houtagtig raak en minstens so dik as vuurhoutjies is. Die saailinge se wortels moet goed gevestig word in die grond om uitplantkrok te verminder. Besproei so gou as moontlik na uitplant. Gewasskade mag voorkom indien saailinge swak was of aan stremming onderworpe was, in <b>Ronstar</b> -behandelde grond geplant word. Die gebruik van 'n tenkmengsel met <b>Lasso EC</b> of <b>Lasso Micro-Tech</b> sal die spektrum van graskruid wat beheer word verbreed. Sien Notas 4 & 6.



GEWAS	DOSIS PER HEKTAAR	OPMERKINGS
ROSE	4 tot 5 ℓ	Dien toe op die grondoppervlakte nadat die stokke gesnoei is. Indien bespuiting tydens die groeiseisoen plaasvind, moet kontak van die middel met die blare en jong knoppies vermy word. <b>NOTA: MOENIE GEBRUIK OP ROSE WAT BINNENSHUIS GEKWEK WORD NIE.</b>
RYS (Oorhoofse besproeiing)	4 ℓ	Dien <b>Ronstar</b> toe na plant, maar voor opkorm van die rys en onkruid. Besproei so gou moontlik na toediening.
SWAARDELEJES	4 tot 5 ℓ	Dien toe na plant van die bolle en voordat die blare verskyn. Moenie gebruik indien bolle kleiner as 8 cm in omtrek geplant is nie.
SITRUS (Jong boorde)	4 tot 5 ℓ	Dien toe as 'n gerigte bespuiting na uitplant van die sitrusbome. 'n Tweede <b>Ronstar</b> toediening kan later in die seisoen toegedien word indien nodig. Gebruik slegs waar gereelde mikrobesproeiing toegepas word. Dien toe op 'n skoon grondoppervlakte, d.w.s., bestaande onkruid moet eers chemies of meganies verwyder word. Vermy kontak van die middel met die blare van die bome.
TABAK (Oonddroog Virginiese tipe)	4 tot 5 ℓ	Gebruik alleenlik op tabaksaailinge wat onder besproeiing verbou word. Die saailinge moet sterk en gesond, en hul wortels goed in die grond gevestig wees. Dien toe as 'n gerigte bespuiting tussen die plantrye op 'n skoon grondoppervlakte na operd, of indien operd nie plaasvind nie, nadat die tabaksaailinge aktief begin groei. Vermy kontak van die middel met die blare van die plante. Sien Notas 4, 7 & 8.
UIE Direk gesaaï	4 tot 5 ℓ	Dien toe wanneer die uieplante 3 tot 4 egte blare het.
Uitgeplante saailinge	4 tot 5 ℓ	Dien toe na uitplant.
Bolletjies	4 tot 5 ℓ	Dien voor of na opkorm van die uiebolletjies toe.
WINGERD		Gebruik slegs waar gereelde mikrobesproeiing toegepas word. Dien slegs toe as 'n gerigte bespuiting op 'n skoon grondoppervlakte, d.w.s., bestaande onkruid moet eers chemies of meganies verwyder word.
Gevestigde wingerd	4 tot 5 ℓ	Vermy kontak van die ogies en blare van stokke.
Nuut gevestigde wingerd	4 tot 5 ℓ	Skerm die wingerdstokke af tydens toediening om te verseker dat geen kontak tussen die middel en die wingerdstokke voorkom. Dien toe terwyl die stokke nou rustend is. Moenie <b>Ronstar</b> gedurende die periode een maand voor en een maand na bot gebruik nie.

#### NOTAS:

- Vir die beheer van breëblaaronkruid moet **Ronstar** voor, of vroeg na opkorm van die onkruid toegeedien word, d.w.s., nie later as 2 tot 3-blaarstadium van die onkruid nie.
- Vir grasbeheer, moet daar slegs voor opkorm van die onkruid gespuit word. In gewasse waar dié dosis toegelaat word, word die hoër dosis (5 ℓ/ha) aanbeveel waar die onkruidspektrum kruisvingergras (*Digitaria sanguinalis*) insluit.
- Voor-opkorm beheer van diep en / of laet ontkiemende onkruid mag soms wisselvallig wees.
- Ronstar** moenie in eenjarige gewasse in gronde wat geneig is om te versuip gebruik word nie.
- Moenie **Ronstar** gebruik op klipgronde of sanderige gronde wat minder as 10% klei bevat nie.
- Ronstar** mag onder sekere toestande 'n mate van blaarvergeling veroorsaak. Dit is egter tydelik van aard en opbrengs sal nie noemenswaardig benadeel word nie.
- Simptome van fitotoksiteit op tabak kan gewoonlik waargeneem word op sandblare wat per abuis raakgespuit is. Dit is normaalweg tydelik van aard en behoort nie tydens oes sigbaar te wees nie. 'n Vertraging in groei na toediening van **Ronstar** mag ook aanvanklik verkry word, maar die tabakplante sal dit gewoonlik ontgroei en normale blaaropbrengste behoort verkry te word.
- Wanneer tabaksaailinge ingeboet moet word na toediening van **Ronstar** kan 'n mate van fitotoksiteit ver wag word as behandelde grond in die plantgat beland. Skraap die behandelde grond weg voordat die gat gegrawe word.

## ONKRUIDE WAT DEUR RONSTAR BEHEER WORD:

### Slegs voor-opkom

<i>Digitaria sanguinalis</i>	kruisvingergras
<i>Eleusine indica</i>	jongosgras
<i>Hordeum murinum</i>	wildegas
<i>Lolium multiflorum</i>	Italiaanse raaigras
<i>Panicum schinzii</i>	soetbuffelsgras

### Slegs ontkiemende saad

<i>Plantago lanceolata</i>	smalweëblaar
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### Voor- en na- opkom tot en met die 2 - 3 blaarstadium

<i>Amaranthus deflexus</i>	meerjarige misbredie
<i>A. hybridus</i>	gewone misbredie
<i>Anagallis arvensis</i>	pimpernel
<i>Chenopodium album</i>	withondebossie
<i>C. murale</i>	muurhondebossie
<i>Citrullus lanatus</i>	wilde waatlemoen
<i>Coronopus didymus</i>	peperkruid
<i>Datura stramonium</i>	stinkblaar
<i>Emex australis</i>	Kaapse dubbeltjie
<i>Erodium moschatum</i>	turknael
<i>Fumaria muralis</i>	duiwekerwel
<i>Inula graveolens</i>	kanferbos
<i>Lactuca serriola</i>	wildeslaai
<i>Oxalis pes-caprae</i>	geelsuring
<i>Polygonum aviculare</i>	voëlduisendknoop
<i>Portulaca oleracea</i>	porslein
<i>Raphanus raphanistrum</i>	ramenas

**NOTA:** Ronstar beheer die bogenoemde onkruidspesies in die tenkmengsels soos aangedui. Ander onkruidspesies wat nie tydens die ontwikkelingsproewe met die middel voorgekom het nie, kan moontlik in 'n meerdere of mindere mate beheer word. Die registrasiehouer aanvaar egter geen aanspreeklikheid ten opsigte van ongelyste onkruid nie.

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