



Ronstar®

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 INGESLOTE PAMFLET VIR VOLLEDIGE BESONDERHEDE

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

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

HERBICIDE GROUP CODE E ONKRUIDDODER GROEPKODE

Active ingredient:

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

Aktiewe bestanddeel:

Oksadiazon (oksadiazool)..... 250 g/l

REGISTERED BY / GEREGISTREER DEUR:

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Reg. 1968/011192/07
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IN CASE OF POISONING PLEASE PHONE / IN GEVAL VAN VERGIFTIGING SKAKEL: 0861 555 777

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BATCH NUMBER: See on pack
LOTNOMMER:

DATE OF MANUFACTURE: Sien op houer
DATUM VERVAARDIG:

Bayer

RSA/0917/Ronstar 5L/Booklet Leaflet
ZA05719290G - South Africa

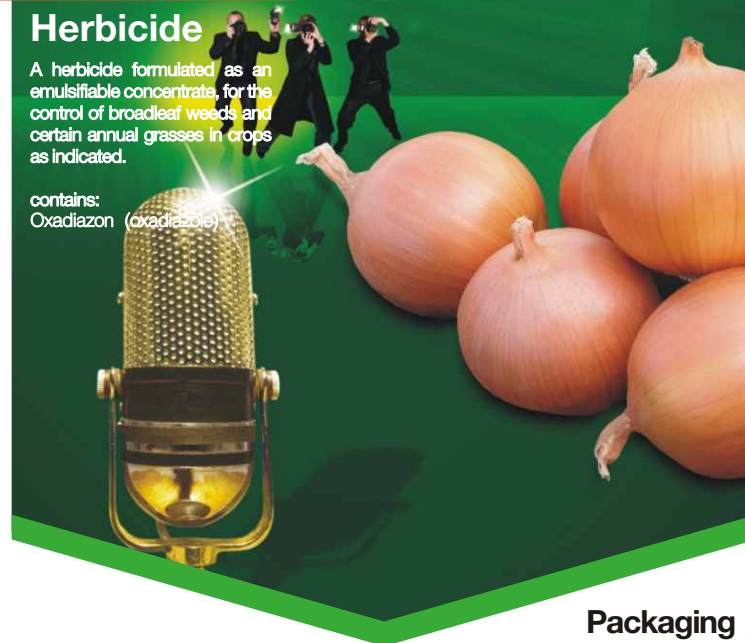


Ronstar®

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)



Packaging / Verpakking:
5 L



**CAUTION
VERSIGTIG**



Herbicide

WARNINGS :

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

May be fatal if swallowed or inhaled.

Causes skin irritation.

Causes serious eye irritation.

May cause drowsiness or dizziness.

Toxic to bees.

Very toxic to aquatic life with long lasting effects.

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 :

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.

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 till. 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.

Herbicide



APPLICATION TABLE:

CROP	DOSE RATE PER HECTARE	REMARKS
APPLES, PEARS, PLUMS, PEACHES & APRICOTS	5 to 6 ℓ	Winter rainfall region only: 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 Ronstar 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 Ronstar .
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 Ronstar during the period one month before and one month after budding.
ONIONS Direct seeded	4 to 5 ℓ	Apply only when the onion plants have 3 to 4 true leaves.
Sett planted	4 to 5 ℓ	Apply before or after emergence of the onion setts.
Transplanted	4 to 5 ℓ	Apply after transplanting.

CROP	DOSE RATE PER HECTARE	REMARKS
PAPRIKA	4 ℓ or 3 ℓ Ronstar plus 4 to 5 ℓ Lasso EC or 3 ℓ Ronstar plus 3 to 4 ℓ Lasso Micro-Tech	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 Ronstar treated soil. Use of the tank mixture with either Lasso EC or Lasso Micro-Tech will broaden the spectrum of grass weeds controlled. See Notes 4 & 6.
RICE (Overhead irrigation)	4 ℓ	Apply Ronstar after planting the rice, but pre-emergence of the rice and the weeds. Irrigate as soon as possible after planting.
ROSES	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. NOTE : DO NOT APPLY TO ROSES GROWN INDOORS
TOBACCO (Flue-cured) (Virginia type)	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.

Herbicide



NOTES:

1. 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.
2. 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.
3. The pre-emergence control of deep and /or late germinating weeds may sometimes be erratic.
4. Do not use **Ronstar** in annual crops in lands that are prone to waterlogging.
5. Do not use **Ronstar** on rocky or sandy soil containing less than 10% clay.
6. 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.
7. 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.
8. 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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