Paraquat SL

Reg. No.: L2215 Act /Wet No. 36 of/van 1947

A soluble concentrate herbicide for the control of annual grasses and broadleaf weeds in crops as listed and for fire breaks. Inactivated on contact with the soil.

‘n Oplosbare konsentraat Onkruiddoder vir die beheer van eenjarige grasse en breëblaaronkruide in gewasse soos aangedui en vir brandbane. Geïnaktiveer na aanraking met grond.

HRAC HERBICIDE GROUP CODE: D HRAC ONKRUIDDODERGROEP KODE:

ACTIVE INGREDIENT/AKTIEWE BESTANDDEEL:
Paraquat ion (bipyridyl) / parakwatioon (bipiridiel).......................................................... 200 g/ℓ
(as dichloride) / (as Dischloried)...................................................................................... 276 g/ℓ

Registration holder / Registrasiehouer:
ARYSTA LifeScience South Africa (Pty) Ltd
7 Sunbury Office Park,
off Douglas Saunders Drive,
La Lucia Ridge, South Africa, 4019
Tel: 031 514 5600

Contents/Inhoud

Batch No. / Lot Nr.: 

Date of manufacture: / Datum van vervaardiging:

U.N. No. 3016

READ THE LABEL IN DETAIL BEFORE OPENING THE CONTAINER. / LEES DIE ETIKET VOLLEDIG VOORDAT DIE HOUER OOPGEMAAK WORD.
For full particulars, see enclosed leaflet. / Vir volledige besonderhede, sien ingeslote pamflet.

Paraquat 200 SL
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WARNINGS:
• KEEP LIVESTOCK OUT OF TREATED AREA FOR 3 WEEKS.
• Handle with extreme care.
• Toxic by swallowing or inhalation.
• Moderate to severe irritant to skin and eyes.
• Store in original container, in a cool, dry place.
• Store under lock and key and out of reach of children, uninformed persons and animals.
• Store away from food, feeds, fertilizers, seed and drink water.
• Paraquat SL is highly toxic if swallowed, and can cause death.
• Never repack from this container.
• Toxic to wildlife.
• Re-entry: Do not enter treated area within 2 days after treatment unless wearing protective clothing.

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 weed 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 or registration holder in the event of any uncertainty.

PRECAUTIONS
• Avoid inhalation of spray mist and fumes.
• Wear protective clothing (overall, rubberboots, gloves and face shield).
• In case of skin contact, wash thoroughly with soap and water. Wash contaminated clothing.
• Do not eat, drink or smoke whilst applying or preparing the spray mix, or before washing face and hands.
• Prevent spray drift onto other crops, grazing, rivers, dams and any area not under treatment. Prevent contamination of food, feeds, drinking water and eating utensils. Wash equipment after use, using a wetting agent.
• Dispose of wash water in a safe manner.

Paraquat 200 SL
IMPORTANT: Invert empty container over the spray or mixing tank and allow 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 of water equal to a minimum of 10% of the container. Add the rinsings to the contents of the spray tank before destroying the container in the prescribed manner. Destroy empty container by perforation and flattening and never use for any other purpose.

FIRST AID TREATMENT:
Remove the patient from the exposure area and keep the patient warm and at rest.
**Eye contact:** Flush eyes with lukewarm, gently flowing water for at least 20 minutes or until the product is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. If irritation, redness or burning sensations develop, get medical attention immediately.
**Skin contact:** Remove contaminated clothing, shoes and leather goods immediately. Wash contaminated areas with soap and water. Paraquat can be absorbed through damaged skin. Emergency personnel should wear gloves and avoid contamination. If irritation persists, get medical attention immediately.
**Inhalation:** Get medical attention immediately. **Do not administer supplementary oxygen.**
**Ingestion:** **Do not induce vomiting.** Wash mouth with water and give the patient water to drink. **Seek medical advice immediately.**

NOTE TO PHYSICIAN:
Rapid treatment is essential. Wash out stomach and test urine and gastric aspirate, if clear, for presence of paraquat. Give the patient up to 1 litre of 15% aqueous suspension of Fuller’s Earth, orally or via gastric tube, together with suitable purgative (200 ml of aqueous solution of mannitol). Repeat administration of absorbent plus purgative until absorbent is seen in stools. This should normally take between 4 to 6 hours after start of treatment. **Do not administer supplement oxygen.**

RESISTANCE WARNING:
**PARAQUAT SL** is a group code D herbicide. Any weed population may contain individuals naturally resistant to **PARAQUAT SL** and other group code D herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **PARAQUAT SL** or any other group code D herbicide.

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 the registration holder of this product.

DIRECTIONS FOR USE: **Use only as directed**

Mix the required amount of **PARAQUAT SL** with clean water in a spray tank. Add non-ionic wetting agent for best results at three times the rate advised on the label for fungicides. Apply by ground sprayer in 200 to 500 ℓ water. Use a high volume and high dosage rate for spraying dense weed growth. Ensure good weed cover. Do not spray buds or green parts of any crop. **PARAQUAT SL** kills green tissue but does Paraquat 200 SL
not harm mature bark. It is inactivated rapidly on contact with the soil and has therefore no residual action.

**APPLICATION RATES:**

<table>
<thead>
<tr>
<th>CROP</th>
<th>DOSAGE ℓ/ha</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>VINEYARDS</td>
<td>2,5 – 5,0 ℓ</td>
<td>Apply overall when weeds are 10 to 15 cm high before bud burst of the vines. Subsequently as a directed spray.</td>
</tr>
<tr>
<td>DECIDUOUS FRUIT</td>
<td>2,5 – 5,0 ℓ</td>
<td>Spray as necessary from Spring onwards. <strong>Pome fruit only:</strong> mix with Simazine for residual effect.</td>
</tr>
<tr>
<td>CITRUS, AVOCADOS, PECANS, PAPAYAS, etc.</td>
<td>1,25 – 5,0 ℓ</td>
<td>In citrus only, <strong>PARAQUAT SL</strong> can be mixed with a suitable residual herbicide.</td>
</tr>
<tr>
<td>BANANAS, TEA &amp; COFFEE</td>
<td>1,25 – 5,0 ℓ</td>
<td>Apply through a low pressure floodjet nozzle.</td>
</tr>
<tr>
<td>SUGARCANE</td>
<td>1,5 – 3,0 ℓ</td>
<td>Directed post-emergence in plant and ratoon cane. Should the spray come into contact with green cane leaves scorching will occur but this is only a temporary effect. Other suitable herbicides may be added for residual effect.</td>
</tr>
<tr>
<td>LUCERNE (&gt; 6 months old)</td>
<td>2,5 – 5,5 ℓ</td>
<td>Apply just before dormancy breaks or after cutting before regrowth of lucerne occurs.</td>
</tr>
<tr>
<td>VEGETABLES (grown in rows)</td>
<td>1,25 – 2,5 ℓ</td>
<td>Use a knapsack sprayer with suitable shield to protect all parts of the crops from spray mist.</td>
</tr>
<tr>
<td>ALL CROPS: Stale seedbed method</td>
<td>1,25 – 2,0 ℓ</td>
<td>Prepare seedbed with fertilizer, irrigate and let the weeds emerge to cover the surface. Spray and sow within 3 days without reworking the seedbed. This method is especially useful for crops for which no other herbicide has yet been registered e.g. lettuce, chickory and cucurbits. These may, also be sown a few days before spraying.</td>
</tr>
<tr>
<td>MINIMUM CULTIVATION</td>
<td>1,5 – 4,0 ℓ</td>
<td>Apply before or just after planting annual crops. May be mixed with a corresponding residual herbicide.</td>
</tr>
<tr>
<td>POTATOES (haulm destruction)</td>
<td>2,5 – 5,0 ℓ</td>
<td>Use 200 litres water/ha. Do not apply if haulms show signs of wilting as tuber damage may occur. Spray ONLY when at least 5 hours of intensive sunshine are expected to follow.</td>
</tr>
<tr>
<td>INDUSTRIAL AREAS</td>
<td></td>
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<tr>
<td>Young weeds</td>
<td>2,5 ℓ</td>
<td>Use 500 to 1000 ℓ water/ha depending on density of vegetation.</td>
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<tr>
<td>Mature weeds</td>
<td>5,0 ℓ</td>
<td></td>
</tr>
<tr>
<td>FIRE BREAK</td>
<td>2,5 – 3,75 ℓ</td>
<td><strong>Two months before the onset of the fire season:</strong> Spray a 1 to 2 m wide band (the sparser the vegetation, the wider the band) on both sides of a 5 to 12 m wide untreated strip (or about 10 m from a road or canal).</td>
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<td>Burn the sprayed bands 3 weeks later, while the unsprayed areas are still green and unburnable. The strip between can be burned relatively safely as soon as the first frost or drought occur so that the veld cannot be burnt.</td>
</tr>
<tr>
<td>AFFORESTATION</td>
<td>2,5 – 3,75 ℓ</td>
<td>Spray around young trees with a special appliance.</td>
</tr>
</tbody>
</table>

**WEEDS CONTROLLED**

All above ground green tissue of actively growing plants is killed off by **PARAQUAT SL**. Annual weeds are well controlled. Weeds with reserves stored underground, recover e.g. sedges, bulbs, Gousblom, Oxalis, Kikuyu, etc.