

IMPALA 480 EC

Reg. No.: L9879 Act /Wet No. 36 of/van 1947



A systemic emulsifiable concentrate herbicide for the control of problem plants as listed in forestry, grass pastures, game ranches and industrial areas.

’n Sistemiese emulgeerbare konsentraat onkruidoder vir die beheer van houtagtige plante soos gelys in bosbou, grasweiding, wildplase en industriële gebiede.

HRAC HERBICIDE GROUP CODE:	O	HRAC ONKRUIDDODER GROEP KODE:
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ACTIVE INGREDIENT/AKTIEWE BESTANDDEEL:

Fluroxypyr (<i>Pyridyloxy compound</i>) / Fluroksipir (<i>Piridyloksie verbinding</i>)	320 g/l
Triclopyr (<i>Pyridyloxy compound</i>) / Triklopir (<i>Piridyloksie verbinding</i>)	160 g/l

Registered by/Geregistreer deur:

Arysta LifeScience South Africa (Pty) Ltd
 Co. Reg No./Nr 2009/019713/07
 7 Sunbury Office Park, Off Douglas Saunders Drive, La Lucia Ridge, South Africa, 4019
 Tel: 031 514 5600

Contents/Inhoud
(e)

Batch No. / Lot Nr.:	
Date of manufacture: / Datum van vervaardiging:	

U.N. No. 3082



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.

WARNINGS:

- Handle with care.
- Allow 3 days between last application and grazing of treated areas.
- Harmful if swallowed.
- Flammable
- May be toxic to the aquatic environment.
- Concentrate may cause irritation to eyes and skin.
- Store away from food, feed, seed, and other agricultural chemicals and out of reach of children, uninformed persons, and animals.
- Do not apply when the wind speed exceeds 15km/h.

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 soils, climatic and storage conditions, quality or dilution water, compatibility with other substances not included 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 of crops, vegetation, the environment, or harm to man or animal or for the 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 and vapour.
- Avoid contact with skin and eyes.
- Wear protective rubber gloves, rubber boots and a face mask when handling the product and preparing the spray mixture.
- Ensure that the person assigned to apply the product is properly trained in its use.
- Wash with soap and water after use and accidental skin contact.
- Wash contaminated clothing after use.
- Do not eat, drink or smoke while mixing, applying or before washing hands and face or changing clothing.
- Avoid drift onto other crops, grazing, rivers, dams or areas not under treatment or to nearby water sources.
- Wash application equipment thoroughly after use. Dispose of wash water in a safe manner and do not contaminate crops, grazing, rivers, dams, boreholes, fountains, etc.
- The applicator should not be used for applying chemicals other than herbicides.
- **TRIPLE RINSE** empty containers in the following manner. Invert the 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 that of the container. Add the rinsing to the contents of the spray tank before destroying the container in the prescribed manner.

- Destroy empty container by perforation and flattening and dispose of it in a safe way.
- **Never** re-use the empty container for any other purpose.
- Prevent contamination of food, feeds, drinking water and eating utensils.

FIRST AID TREATMENT

Inhalation: Remove source of contamination or move patient to fresh air. Keep patient under observation and obtain medical attention if necessary.

Skin contact: If irritation occurs, remove contaminated clothing, shoes and leather goods. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. If irritation persists, obtain medical assistance.

Eye contact: Immediately flush the contaminated eyes with gently flowing clean water for 20 minutes, holding the eyelid(s) open until no evidence of chemical remains. If irritation persists, obtain medical assistance.

Ingestion: Have patient rinse mouth thoroughly with water. Do not induce vomiting. Administration of gastric lavage or oxygen should be performed by qualified medical personnel. Obtain medical assistance immediately in serious cases.

RESISTANCE WARNING

For resistance management **IMPALA 480 EC** is a group code **O** herbicide. Any weed population may contain individuals naturally resistant to **IMPALA 480 EC** and other group code **O** herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **IMPALA 480 EC** or any other group **O** herbicides. To delay herbicide resistance:

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- Avoid exclusive repeated use of herbicide 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.

COMPATIBILITY

The compatibility of **IMPALA 480 EC** with chemicals is not known. Do not use **IMPALA 480 EC** together with other chemicals other than those recommended.

DIRECTIONS FOR USE: Use only as directed.

MIXING:

- Half fill spray tank with water and add the required volume of **IMPALA 480 EC**.
- Whilst filling the spray tank add surfactant at the rate indicated below.
- Agitate contents continuously during the filling process.

APPLICATION:

Use only on actively growing plants with full leaf cover.

- Apply to leaves and immature green stems or shoots as a full cover spray to a point just before run-off. Ensure an even coverage of at least 90% of all green shoots and leaves of the target plant.
- Allow at least 1 hour after application before irrigation or rain occurs.
- Do not apply to wet foliage in order to prevent run-off.
- Avoid spray drift from contaminating susceptible non-target plants.
- Do not apply when the wind speed exceeds 15km/h.
- Use a knapsack sprayer with a solid cone nozzle (e.g. Spraying Systems TG-2 or equivalent type). Maintain a constant pressure of between 200 and 300 kPa.
- Add a suitable surfactant and colourant to the water in the spray tank prior to application. Refer to **DOSAGE RATES AND APPLICATION METHODS**.

DOSAGE RATES AND APPLICATION METHODS

NOTE:

- Add **PERFORMER** (L 8069) to the spray mix prior to application (Refer to the table below for the correct rate under the specific weed to be treated).
- Add a suitable **UV stable colourant** to the spray mix to enhance accurate application. Contact the supplier of **IMPALA 480 EC** in this regard.

Weed	IMPALA 480 EC dosage	Remarks
Jointed cactus (<i>Opuntia aurantiaca</i>)	3,5% (3,5 l/100 l water)	Apply to actively growing plants free of environmental stress and dust. Use a sufficient volume of the spray mix to ensure a full and even coverage of target weeds without significant run-off. NOTE: <ul style="list-style-type: none">• Add PERFORMER at a rate of 2l / 100l water (2%) to the spray mix in the spray tank.
Creeping cactus/Large flowered cactus (<i>Opuntia humifusa</i>)	3,5% (2,5 l/100 l water)	

Small round leaved prickly pear <i>(Opuntia engelmannii var. lindheimeri)</i>	2,5% (2,5 l/100 l water)	<ul style="list-style-type: none"> IMPORTANT: A follow-up treatment 12 months after the initial treatment, is advised.
Torch cactus <i>(Trichocereus spachianus)</i>	2,5% (2,5l/100l water)	
Moon cactus <i>(Harrisia martinii)</i>		
Chain-fruit cholla <i>(Cylindropuntia fulgida var. fulgida)</i>		
Triffid weed <i>(Chromolaena odorata)</i>	0,5% (500 ml /100 l water)	<p>Apply to actively growing plants free of environmental stress. If foliage is covered with dust, wait for rain to remove the dust before applying IMPALA 480 EC as a foliar spray, evenly covering a minimum of 90 % of all green shoots and leaves without significant run-off occurring.</p> <ul style="list-style-type: none"> Add PERFORMER to the spray mix at a rate of 0,5 % (500 ml / 100 l water) Dosages are applicable to plants up to 1,5 m tall. <p>Where plants are taller than 1,5 m, it should be slashed and treated when coppice is at least 0,5 m tall.</p>
Lantana <i>(Lantana camara)</i>	0,5% (500 ml /100 l water)	
Black wattle <i>(Acacia mearnsii)</i>	0,33% (330 ml / 100 l water)	
Bugweed <i>(Solanum mauritianum)</i>	0,12% (120 ml / 100 l water)	
Sand olive <i>(Dudonea angustifolia)</i>	0,5% (500 ml / 100 l water)	
Seringa <i>(Melia azedarach)</i>	0,33% (330 ml / 100 l water)	
Silver cluster leaf <i>(Terminalia sericea)</i>	0,5% (500 ml / 100 l water)	
Grey poplar <i>(Populus canescens x</i>	0,75% (750ml / 100 l water)	

<i>canescens</i>)		
American bramble (<i>Rubus cuneifolius</i>)	0,5% (500 ml / 100 l water)	
Pom-pom weed (<i>Campuloclium macrocephalum</i>)	0,25 – 0,5% (250 - 500 ml / 100 l water)	<p>Best results are obtained when young, immature plants are treated early in summer as less herbicide will be required to achieve control. Apply IMPALA 480 EC as a foliar spray, evenly covering a minimum of 90 % of all green foliage, flower stalks and flower heads without significant run-off occurring, depending on the stage of development.</p> <ul style="list-style-type: none"> • Add PERFORMER to the spray mix at a rate of 0,5 % (500 ml / 100 l water) • Use the lower rate of IMPALA 480 EC (0,25%) for young, immature plants up to 0,3 m tall (no pink flowers present yet). • For mature plants in full flower, use the higher rate of IMPALA 480 EC (0,5%). Treat leaves close to soil surface as well as flower stalks and flower heads.

PERFORMER (L 8069) is a registered by Arysta LifeScience South Africa (Pty) Ltd.