



# GOAL 480™ SC



Reg. No. L8303 Act/Wet 36/1947

**READ THE LABEL BEFORE USE AND READ ATTACHED PACKAGED LEAFLET BEFORE USE  
AND**

**KEEP OUT OF REACH OF CHILDREN AND ANIMALS**

HERBICIDE GROUP CODE	E	ONKRUIDDODERGROEPKODE
A SUSPENSION CONCENTRATE HERBICIDE FOR USE IN CROPS, VINEYARDS, ORCHARDS AND FORESTRY AS LISTED TO CONTROL A VARIETY OF ANNUAL BROADLEAF AND GRASS WEEDS AS LISTED.		'N SUSPENSIE KONSENTRAAT ONKRUIDDODER VIR GEBRUIK IN GEWASSE, BOORDE, WINGERDE EN BOSBOU SOOS GELYS TEEN 'N VERSKEIDENHEID EENJARIGE GRASSE EN BREËBLAARONKRUIDE SOOS AANGEDUI.



**WARNING**

**Hazard Statements:**

Very toxic to aquatic life with long lasting effects.

**Precautionary Statements:**

Avoid release to the environment.

Collect spillage.

Dispose of contents or container to an approved waste disposal facility and in accordance with national regulations.

**Active Ingredient / Aktiewe Bestanddeel**

Oxyfluorfen (diphenyl ether) ..... 480 g/ ℓ ..... Oksifluorfen (difeniel eter)  
NET VOLUME ..... ℓ ..... NETTO VOLUME

**REGISTRATION HOLDER / REGISTRASIEHOUER**

SUMITOMO CORPORATION AFRICA (Pty), Ltd., Floor 3, South Tower,  
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**DISTRIBUTOR / VERSPREIDER:**

PHILAGRO SOUTH AFRICA (PTY) LTD / (EDMS) BPK  
Reg. 1998/010658/07  
POSTNET SUTE #378, PRIVATE BAG X025 PRIVAATSAK,  
LYNNWOOD RIDGE / RIF, 0040  
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Batch No.

Date of Manufacture

Lot Nr.

Datum van Vervaardiging

UN No. / VN No. 3082

Emergency Numbers / Noodnommers:

Griffon Poison Information Centre: +27(0) 82 446 8946

Poisons Information Centre: +27(0) 86 155 5777

**WARNINGS:****GHS Hazard Statements:**

Very toxic to aquatic life with long lasting effects.

Handle with care.

**GOAL 480™ SC** may be harmful if swallowed.

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

Store in a cool place away from feed and foodstuffs.

Avoid contamination of lakes, dams and rivers.

**RE-ENTRY INTERVAL:** Do not enter treated area until spray deposit has dried unless wearing protective clothing.

In case of poisoning, call a doctor and show him/her this label.

**DISCLAIMER:**

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 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 or registration holder in the event of any uncertainty.

**PRECAUTIONS:****GHS Precautions**

Avoid release to the environment.

Collect spillage.

Dispose of contents or container to an approved waste disposal facility and in accordance with national regulations.

Wear rubber gloves and face shield for protection when handling the concentrate.

Avoid contact with skin and eyes and do not breathe in spray mist or fumes.

Wash hands thoroughly with soap and water after use and before smoking, eating or drinking.

Wash contaminated clothing daily.

Avoid drift of spray mist onto other crops or areas not under treatment.

Avoid contamination of water sources during cleaning of equipment and disposal of wastes. All spray equipment should be rinsed and sprayed through thoroughly with clean water immediately after use.

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 perforating and flattening and do not use for any other purpose. Avoid contamination of foodstuff, feed, eating utensils and drinking water.

Immediately after **GOAL 480™ SC** application, the spray equipment must be cleaned thoroughly to prevent contamination of subsequent applications, using the following method:

1. Drain tank completely then flush tank, boom and hoses with clean water. Drain again.
2. Fill the tank with clean water and add household ammonia (contains 3% active) at the rate of 1 litre every 100 litres water. Circulate the ammonia solution in the tank, boom and hoses for at least 15 minutes.
3. To remove traces of ammonia, rinse the tank with clean water and flush through booms and hoses.
4. Repeat steps 2 and 3.

5. Nozzles and filters must be removed and cleaned separately with ammonia solution at the same concentration as above.
6. Any contamination on the outside of the spraying equipment should be removed by washing with clean water.

Do not spray, drain or flush equipment on or near desirable trees or plants or where their roots may extend. Water used for cleaning must not be allowed to contaminate untreated areas.

#### RELEVANT SUBSTANCES:

Hazardous Component	CAS Number	Weight - %	GHS Classification
Oxyfluorfen	42874-03-3	40,68%	Aquatic Toxicity - Acute, Category 1. Aquatic Toxicity - Chronic, Category 1. M Factors = 1 000.

**NOTE:** The other ingredients not included above, do not cause or contribute towards the correct GHS classification of **GOAL 480™ SC** and is therefore, in terms of the South African Regulation for Hazardous Chemical Agents - 2021; Regulation 14(b), not listed.

#### FIRST AID:

- General Advice** If potential for exposure exists, refer to section 8 of the SDS for specific personal protective equipment. Provide the SDS and the label to medical personnel for treatment.
- Inhalation** Move person to fresh air. If person is not breathing, call an emergency responder or ambulance, then give artificial respiration; if by mouth to mouth, use rescuer protection (pocket mask etc.). Call a poison control centre or doctor for treatment advice.
- Skin Contact** Immediately remove all contaminated clothing. Rinse the skin with plenty of cold water for 15 to 20 minutes. Do not rub the skin. Contact a poison control center or medical practitioner if irritation occurs and persists. Wash contaminated clothing before re-use. Suitable emergency safety shower facility should be available in working area.
- Eye contact** Immediately rinse/flush the eyes gently with water from the eye wash fountain for several minutes (at least 15 minutes), while holding the eyelids apart. If relevant, remove contact lenses if easy to do so. Continue rinsing and do not rub eye/s. Obtain medical attention in case of irritation or discomfort that persists.
- Ingestion** No emergency medical treatment necessary.
- Medical Advice** There is no specific antidote. Treat symptomatically.

#### USE RESTRICTIONS:

**Do not apply GOAL™ 480 SC at all in nurseries, nor onto or over or in the vicinity of nursery plant material.** The only exception to the use of **GOAL™ 480 SC** on nursery plant material is for FORESTRY and only if usage is strictly according to directions on this label.

#### RESISTANCE MANAGEMENT:

For resistance management, **GOAL™ 480 SC** is a HRAC Group code E herbicide. Any weed population may contain individuals naturally resistant to **GOAL™ 480 SC** and other Group Code E herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **GOAL™ 480 SC** or any other Group Code E herbicides.

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**

### **GENERAL**

#### **Mode of Action of GOAL™ 480 SC:**

The active ingredient (Oxyfluorfen) possesses extremely low water solubility. After application it binds rapidly and tightly to clay particles and organic matter in the surface soil layer. The active ingredient thus does not leach in the soil and is not absorbed by roots. After application **GOAL™ 480 SC** forms a thin layer or barrier on the soil surface when activated by the presence of moisture. Here the activated oxyfluorfen kills weeds through contact activity on shoots of germinating seeds or young seedlings as they seek to emerge. After application of **GOAL™ 480 SC** the treated soil surface must not be cultivated or disturbed as disturbing the herbicide layer on the soil surface will adversely affect weed control. Because **GOAL™ 480 SC** becomes activated by soil moisture, application to damp, stabilized soil and a minimum of 5 mm rain or irrigation within 7 days after application is essential for effective weed control. To stabilize soil prior to **GOAL™ 480 SC** application a light irrigation of 5-10 mm may be applied. Optimum residual effect may be obtained if soil is not allowed to dry out completely at any stage.

#### **Application Requirements and Timing of Application:**

**GOAL™ 480 SC** should be applied by tractor-mounted boom sprayer or knapsack sprayer equipped with Tee jet flat fan-nozzles which should deliver the indicated volume of spray mixture per hectare at a pressure of 100-200 kPa. Ensure that the spray apparatus is correctly calibrated and that only clean water is used. The spray mixture must be continuously well agitated.

**GOAL™ 480 SC** has both post-emergence and residual action on both broadleaf and grass weeds. Post-emergence action is, however, limited to seedlings. For optimum residual effect **GOAL™ 480 SC** should be applied prior to the emergence of weeds.

**GOAL™ 480 SC** should preferably not be applied to unstabilized soil (dry, dusty, freshly cultivated soil). For optimal efficacy of and crop tolerance to oxyfluorfen, it is important that the application should have been preceded by a light irrigation or rain. A follow-up irrigation or rainfall within 7 days after application of **GOAL™ 480 SC** is equally important.

**GOAL™ 480 SC** should not be applied to an organic mulch of more than 30 % coverage as a high presence of organic material on the soil surface will adversely affect results obtained. Remove excessive coverage of dead plant material (organic material) from the surface to be sprayed.

**GOAL™ 480 SC** should not be applied to crops where drip irrigation is practiced as poor or variable weed control may occur because of inadequate moisture at the soil surface to activate the **GOAL™ 480 SC** in areas outside the immediate area of the dripper.

### **Crop Safety**

It is important to note that the application of **GOAL™ 480 SC** differs entirely from crop to crop and the specific directions for each crop should be adhered to closely. After application **GOAL™ 480 SC** is held in a thin layer at the soil surface with the result that it can be splashed by rain or irrigation onto leaves of crops close to the ground. Because of its highly active contact action this may result in leaf scorching.

During cool (1-15 °C), wet, wind-still conditions, with high levels of soil and atmospheric moisture, co-distillation of **GOAL™ 480 SC** may occur and the vapour may then be absorbed by crop leaves, which may also result in leaf scorching.

### **The usage of GOAL™ 480 SC on deciduous fruit tree orchards and vineyards:**

With fruit trees and vines, because of the highly active contact action of **GOAL™ 480 SC** small spray droplets that may drift up into fruit trees and vines may cause leaf burn of immature leaves as well as small burn spots on young fruitlets. Scar tissue then develops around the burn spots that may leave the mature fruit with an unacceptable appearance for export. **For this reason, it is recommended that GOAL™ 480 SC must be applied at least 4 weeks prior to expected bud burst of these crops.**

#### The usage of GOAL™ 480 SC on Onions and similar crops:

- **GOAL™ 480 SC** must be applied as a pre-emergence or early post-emergence treatment after transplanting or emergence of onion crops.
- Refer to recommendation tables for directions for use with the different planting techniques and crop stages.
- Slight scorching or pig tailing of leaves may occur shortly after application of **GOAL™ 480 SC** but this is normally of a temporary nature and full recovery takes place within a few weeks.
- **GOAL™ 480 SC** should only be applied to plants that have reached the 2-3 true leaf growth stage. Weak plants may be adversely affected by **GOAL™ 480 SC**.
- Unless specifically stated otherwise, all applications of **GOAL™ 480 SC** on transplanted onions should be applied on damp, stabilized soil and should be followed immediately by a thorough irrigation.

#### The usage of GOAL™ 480 SC on brassica crops:

- **GOAL™ 480 SC** should be used as a pre-plant overall treatment for fields into which brassica crops are to be transplanted, prior to any transplanting.
- The soil surface to be treated should be well prepared with no large soil clods. A light irrigation of the prepared soil is recommended prior to application of **GOAL™ 480 SC**.
- Transplant brassica crops into the treated soil only 7-10 days after application of **GOAL™ 480 SC**. The plants must be planted as erect as possible and soil disturbance must be kept to the minimum.
- Irrigate immediately after transplanting to prevent excessive wilting and lodging of the transplanted plants. A slight degree of leaf scorch may occur. This scorch normally is of a temporary nature and plants normally recover within a short period. New growth, under normal conditions, is not affected.
- **Do not apply GOAL™ 480 SC after transplanting. Direct contact of GOAL™ 480 SC with these crops will lead to severe damage.**
- **GOAL™ 480 SC** is not recommended where a machine is used to do transplanting. This normally leads to excessive soil disturbance and breaks up the herbicidal layer, with resultant poor weed control.
- Heavy irrigation or rain with large droplets shortly after transplanting may splash **GOAL™ 480 SC** – containing soil particles onto young leaves with resultant leaf scorching of the crop.
- Cool (1-15 °C), wet, windless conditions with concomitant high humidity which promotes co-distillation of **GOAL™ 480 SC**, occurring shortly after transplanting of brassica plants, may cause injury to brassica crops that may lead to yield reduction.
- Waterlogging conditions resulting from extended rainfall and/or irrigation causing wet, saturated soil conditions will result in plants not growing actively and crop injury where **GOAL™ 480 SC** is applied may result.
- Favourable growing conditions after transplanting will promote rapid wax layer development of leaves which will reduce the risk of the above-mentioned injuries.
- Untimely plantings of brassica crops which could possibly be exposed to the above-mentioned adverse climatic conditions must not be treated with **GOAL™ 480 SC**.
- **GOAL™ 480 SC** has only been tested on the following brassica crop cultivars and the safety for use on other cultivars is unknown. **Contact your seed supplier or product dealer representative if necessary.**

**Cauliflower:** Snowking, Snowcrown, Snow February, Snowcap, Couchamp, Igloo.

**Cabbage:** Gloria Osená, NS Cross, Hercules, Bonanza, Drum Head, Green Coronette, Cape Spitz, Glory of Enkhuizen, Rolan, Shamrock, Rodelle.

**Brussel Sprouts:** Long Island, Jade Cross

**Broccoli:** Green Sprouting Calabrese, Late Corona.

**Crop Safety regarding perennial crops such as fruit trees and vines:**

**GOAL™ 480 SC** may be used on fruit trees and vines of all ages, provided the following guidelines are adhered to:

- Do not apply **GOAL™ 480 SC** at all in nurseries, nor onto or over or in the vicinity of nursery plant material.
- Limit the use of **GOAL™ 480 SC** to crops listed on the label. Only apply by directed application and avoid leaf contact with **GOAL™ 480 SC** for all crops in this group.
- Deciduous fruit and vines: Apply at least 4 weeks before budding. If rain does not fall within 7-10 days after application follow-up with a light irrigation of at least 5 mm. Do not apply a **GOAL™ 480 SC** rate of greater than 500 ml / ha to deciduous fruit or vines after budding has occurred and only after the beginning of December.
- **Citrus:** Do not apply **GOAL™ 480 SC** during the period of 3 weeks before blossoming till 3 weeks after fruit set.
- Do not use where drip irrigation is practiced. Drip irrigation does not activate the **GOAL™ 480 SC** at the soil surface. Sub-surface moisture may promote weed germination but a lack of surface moisture will lead to poor weed control.

Unless specifically recommended on this label, **GOAL™ 480 SC** must in no case be used in conjunction with any other weed killing compound in a specific season as injury to the crop may result. Before planting any follow up crops on soil previously treated with **GOAL™ 480 SC** thorough and deep ploughing is recommended. **A period of two months for each 500 ml of GOAL™ 480 SC previously applied per hectare, should be allowed to elapse before planting follow up annual crops.** Direct seeded crops sown on soil that has been treated with **GOAL™ 480 SC** within the preceding eighteen months must not be treated with acetamide herbicides. Crops not listed on this label that are planted nearby or between trees or vines, may be injured by **GOAL™ 480 SC**.

CROP	GOAL™ 480 SC RATES / ha	REMARKS
<p><b>A. ANNUAL CROPS</b></p> <p><b>1. ONIONS</b></p> <p><b>1.1 Transplanted onions</b></p> <p>1.1.1 Long Season Cultivars</p> <p>OR</p> <p>750 ml + 750 ml</p> <p>1.1.2. Short Season cultivars</p> <p>500 ml + 500 ml</p> <p>OR</p> <p>750 ml + 750 ml</p>	<p>1,5 litres</p>	<p><b>See notes under “DIRECTIONS FOR USE” above.</b></p> <p>Irrigate lightly directly after transplanting to stabilize the soil.</p> <p>Application must be done immediately thereafter in 300-400 l water per ha. Follow-up with irrigation.</p> <p>Apply first application of 750 ml/ha immediately after transplanting and light irrigation as mentioned above. Follow-up with a further application at the same rate after one month in 300-400 l water/ha.</p> <p>Where only broadleaf weeds are a problem do the first application immediately after transplanting and light irrigation. Follow again as soon as possible with a normal irrigation. Follow-up with a further application at the same rate after 1 month. Apply in 300-400 l water/ha.</p> <p>Where grasses and broadleaf weeds are a problem do the first application immediately after transplanting and light irrigation. Follow again as soon as possible with a normal irrigation. Follow up with a further application at the same rate after one month. Apply in 300-400 l water/ha.</p>

CROP	GOAL™ 480 SC RATES / ha	REMARKS
1.2. TRANSPLANTED ONIONS FOR SEED PRODUCTION	<p>1,5 litres</p> <p>OR</p> <p>750 mℓ + 750 mℓ</p>	<p>Apply immediately after transplanting of female bulbs and light irrigation. Follow again as soon as possible with a normal irrigation. Injury symptoms as mentioned above under “The usage of <b>GOAL™ 480 SC</b> on Onions and similar crops” may be more evident on male than on female plants. Apply in 300-400 ℓ water/ha.</p> <p>Do the first application immediately after transplanting and light irrigation. Follow as soon as possible after application with a normal irrigation. Follow up with a further application at the same rate after one month. Apply in 300-400 ℓ water/ha.</p>
1.3. DIRECT SEEDED ONIONS (KAROO REGION)	1,5 litres	<p>Use only on Caledon Globe and Australian Brown cultivars. Apply in the 3 to 4 leaf stage of the onions (approximately 2-3 months after sowing). If weed development is slow, application may be delayed a further month after the 3-leaf stage. The <b>GOAL™ 480 SC</b> application may be preceded by a hand weeding immediately prior to the <b>GOAL™ 480 SC</b> application. Follow-up with normal irrigation as soon as possible after application. For optimum results the <b>GOAL™ 480 SC</b> should be applied to a weed free surface. Apply in 300-400 ℓ water/ha.</p>



CROP	GOAL™ 480 SC RATES / ha	REMARKS
<b>1.4. DIRECT SEEDED ONIONS (SUMMER RAINFALL REGIONS)</b>  <b>Post-emergence</b>	500-750 mℓ	Application of <b>GOAL™ 480 SC</b> should only be initiated on direct seeded onions after the seedlings have developed two fully expanded leaves. Weeds should not be more advanced than the 2-3 leaf stage. Larger weeds and weeds under stress from drought, frost or other climatic extremes may not be satisfactorily controlled. Depending on weed pressure a further application of 750 mℓ per ha of <b>GOAL™ 480 SC</b> 4-6 weeks later may be necessary. The lower <b>GOAL™ 480 SC</b> rate should be used for applications on less hardy onion cultivars. Apply in 300-400 ℓ water/ha.
<b>2. GARLIC</b>	1,5 litres	Apply <b>GOAL™ 480 SC</b> immediately after planting garlic and light irrigation. Follow-up with normal irrigation as soon as possible after application. A degree of scorch similar to that described for onions may be noticed. Under cold, damp, windless conditions <b>GOAL™ 480 SC</b> may cause leaf scorch. Late emergence due to high soil temperature may also cause scorch. Apply in 300-400 ℓ water/ha.
<b>3. BRASSICA CROPS</b>	1-1,5 litres	<b>GOAL™ 480 SC</b> must be applied as a pre-plant surface treatment to lands on which brassica crops are to be transplanted. Apply a light irrigation prior to application of <b>GOAL™ 480 SC</b> to stabilize the soil. Allow 7-10 days to lapse after the herbicide application before the brassica plants are planted into the treated soil. Do not plant sooner than 7-10 days after herbicide application or serious crop injury may result. If the soil should have dried out a light irrigation should be done prior to transplanting and again after transplanting. Apply in 300-400 ℓ water/ha.

CROP	GOAL™ 480 SC RATES / ha	<u>REMARKS</u>
3. BRASSICA CROPS (cont.)		<p><u>See notes under “DIRECTIONS FOR USE” above.</u></p> <p><b>GOAL™ 480 SC MUST NOT BE APPLIED AFTER TRANSPLANTING OF BRASSICA CROPS. DIRECT CONTACT OF GOAL™ 480 SC WITH THE LEAVES OF THESE CROPS WILL LEAD TO SEVERE DAMAGE.</b></p>
<u>B. PERENNIAL CROPS</u>		<p><u>See notes under “DIRECTIONS FOR USE” above.</u></p> <p>Avoid leaf contact of <b>GOAL™ 480 SC</b> with all crops in this group except where otherwise recommended.</p>
<p><b>1. POME AND STONE FRUIT</b></p> <p><b>1.1. Established orchards of one year and older</b></p>	1,5-2 liters	<p>For use in Pome and Stone fruit orchards of all ages.</p> <p><u>See notes under “DIRECTIONS FOR USE” above.</u></p> <p>Use 1,5 l/ha where mostly broadleaf weeds are a problem. Apply as a directed spray to a clean soil surface approximately 4 weeks before budding. Where weeds have already emerged, these must first be cultivated or killed by spraying with a suitable post-emergence herbicide. Apply <b>GOAL™ 480 SC</b> in 400-600 l water/ha.</p> <p><b>GOAL™ 480 SC</b> must not be applied in the period from one month before budding until the beginning of December.</p>
<b>1.2. Newly planted trees</b>	1,5-2 litres	<p>May only be considered if young trees have not yet budded. Apply within 3 days after transplanting, but at least 21 days before budding commences, as a directed spray on a damp soil surface. To activate the <b>GOAL™ 480 SC</b> on the soil surface, if rain has not occurred, a light irrigation of at least 5 mm should be applied with 7 days of herbicide application. Apply in 400-600 l water/ha.</p>

CROP	GOAL™ 480 SC RATES / ha	REMARKS
2. VINES	1,5-2 litres	<p>Use only in established trained vines of one year and older. Apply only during the dormant stage until end of July, but no later than one month before budding.</p> <p>Apply in 400-600 ℓ water/ha.</p>
3. CITRUS	1,5-2 litres	<p>For use in Citrus Orchards of all ages Apply as a directed spray after all new foliage has fully expanded and hardened off. Do not apply during the periods of 3 weeks before flowering till 3 weeks after fruit set, or during periods of new foliage growth.</p> <p>Use 1,5 litres/ha where broadleaf weeds are the main problem. Apply in 400-600 ℓ water / ha.</p>
<p>4. FORESTRY</p> <p>4.1. Pines</p> <p>4.1.1. Pre-emergence of Pine Seedlings:</p> <p>4.1.2. Post-emergence of seedlings, transplants and container stock:</p>	1,5 litres	<p>For pre-emergence weed control in seedbeds, container stock and transplants of <i>Pinus elliotti</i>, <i>P. taeda</i> and <i>P. patula</i>.</p> <p>Apply in 300-400 ℓ water/ha.</p> <p>Apply <b>GOAL™ 480 SC</b> to the seedbeds immediately after sowing.</p> <p><b>GOAL™ 480 SC</b> may be applied to seedlings 10 to 12 weeks after sowing as well as to older plants. Applications should be applied before bud break or after foliage has hardened off. Do not use on growing media other than soil.</p>

CROP	GOAL™ 480 SC RATES / ha	REMARKS
<p><b>FORESTRY (cont.)</b></p> <p><b>4.2. Eucalyptus</b></p> <p><b>4.2.1. Pre-plant treatment:</b></p> <p><b>4.2.2. Post-planting treatment:</b></p>	<p>1,5 litres</p> <p>1,5 litres</p>	<p>Apply to the soil surface of the planting area immediately prior to the transplanting of Eucalyptus seedlings. The soil surface must be disturbed as little as possible during transplanting of the seedlings. Apply in 300-400 ℓ water/ha.</p> <p><b>GOAL™ 480 SC</b> may be applied to plantings of <i>E. grandis</i>, <i>E. nitens</i> and <i>E. macarthurii</i>, within 4 days of transplanting and prior to weed emergence. Apply in 300-400 ℓ water/ha.</p> <p><b>Note:</b> A scorch will be noted on seedlings treated over the top. This is of a transient nature and is outgrown within a few weeks . It is essential however that the seedlings be of good quality and free from disease. Seedlings affected with botrytis may be severely scorched or even killed.</p>

## WEEDS CONTROLLED BY GOAL™ 480 SC

### Annual Broadleaf Weeds:

<i>Amaranthus thunbergii</i>	Red pigweed
<i>Amaranthus spinosus</i>	Thorny pigweed
<i>Amaranthus hybridus</i>	Common pigweed
<i>Amaranthus deflexus</i>	Perennial pigweed
<i>Anagallis arvensis</i>	Pimpernel
<i>Arctotheca calendula</i>	Cape marigold
<i>Argemone subfusiformis</i>	White flowered Mexican poppy
<i>Capsella bursa-pastoris</i>	Shepherd's purse
<i>Chenopodium album</i>	White goosefoot
<i>Datura ferox</i>	Large thorn apple

<i>Datura stramonium</i>	Thorn apple
<i>Emex australis</i>	Spiny emex
<i>Fumaria muralis</i>	Fumitory
<i>Galinsoga parviflora</i>	Gallant soldier
<i>Oenothera stricta</i>	Evening primrose
<i>Plantago lanceolata</i>	Narrow leaved ribwort
<i>Polygonum aviculare</i>	Prostrate knotweed
<i>Portulaca oleracea</i>	Purslane
<i>Raphanus raphanistrum</i>	Common wild radish
<i>Schkuhria pinnata</i>	Dwarf marigold
<i>Silene gallica</i>	Gunpowder weed
<i>Sisymbrium thellungii</i>	Common wild mustard
<i>Sonchus oleraceus</i>	Sow thistle
<i>Spergula arvensis</i>	Corn spurry
<i>Stellaria media</i>	Chickweed
<i>Tagetes minuta</i>	Khaki weed

**Annual Grass Weeds:**

<i>Avena fatua</i>	Common wild oats
<i>Digitaria sanguinalis</i>	Crab finger grass
<i>Echinochloa crusgalli</i>	Barnyard grass
<i>Eleusine indica</i>	Goose grass
<i>Lolium multiflorum</i>	Italian ryegrass
<i>Poa annua</i>	Winter grass

**WEEDS CONTROLLED BY GOAL™ 480 SC POST-EMERGENCE AT 500-750 mL /ha**

(cf. Section 1.4)

<i>Amaranthus deflexus</i>	Perennial pigweed
<i>Portulaca oleracea</i>	Purslane

**WAARSKUWINGS:****GHS GEVAARVERKLARINGS:**

Baie giftig vir waterlewendende organismes.

Hanteer versigtig.

**GOAL 480™ SC** kan skadelik wees indien ingesluk.

Hou buite bereik vand kinders, oningeligte persone en diere.

Berg in 'n koel plek weg van voedsel en voer.

Verhoed besoedeling van mere, damme en riviere.

**HER-TOETREDE INTERVAL:** Moet nie behandelde gebied betree alvorens die spuitneerslag droog is nie, tensy beskermende oorklere gedra word.

**VRYWARING:**

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 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 onkruid teen die betrokke middel sowel as die metode, tyd en akkuraatheid 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 toestande wat nie kragtens die registrasie voorsien kon word nie. Raadpleeg die verskaffer in die geval van enige onsekerheid.

**GHS VOORSORGVERKLARINGS:**

Verhoed vrystelling in die omgewing.

Maak stortsel bymekaar.

Raak ontslae van inhoud/houer volgens die lokale en internasionale regulasies.

Dra rubberhandskoene en gesigskerm vir beskerming wanneer die konsentraat hanteer word. Vermy vel- en oogkontak en moenie spuitnewel of dampe inasem nie.

Was hande deeglik met seep en water na gebruik en voordat daar gerook, geëet of gedrink word. Was gekontamineerde klere daaglik.

Verhoed oorwaai van spuitnewel na ander gewasse of gebiede wat nie behandel word nie.

Verm y besoedeling van waterbronne tydens uitspoel van spuittoestelle en opruim van reste en afval. Alle spuittoerusting moet onmiddellik na gebruik deeglik met skoon water uitgespoel en deurgespuit word.

Spoel leë houer drie keer uit met 'n volume water gelykstaande aan 'n minimum van 10 % van die houer. Gooi spoelwater by die inhoud van die spuittenk voordat die houer op die voorgeskrewe wyse vernietig word. Vernietig houer deur gate in te kap en plat te druk en moet vir geen ander doel hergebruik nie.

Verhoed besoedeling van voedsel, voer, eetgerei en drinkwater.

Direk na toediening van **GOAL 480™ SC**, moet die toedieningstoerusting deeglik skoongemaak word om kontaminasie van daaropvolgende toediening te vermy. Gebruik die volgende stappe:

1. Dreineer die spuithouer heeltemal en spoel spuithouer, spuite/spuitbalk en pype deeglik met skoon water. Dreineer vir nog 'n keer.
2. Vul die spuithouer met skoon water en voeg huishoudelike ammoniak (3 % aktief) teen 'n verdunning van 1 liter vir elke 100 liter water. Roer en sirkuleer die ammoniak oplossing in die spuithouer, spuite/spuitbalk en pype vir ten minste 15 minutte.

3. Om alle spore van ammoniak te verwyder, spoel die spuithouer met skoon water en dreineer deur die spuite/spuitbalke en pype.
4. Herhaal stappe 2 en 3.
5. Spuitpunte en filters moet verwyder en apart skoon gemaak word met 'n ammoniak-oplossing teen dieselfde oplossing as hier bo genoem.
6. Enige kontaminasie aan die buitekante van die toerusting moet met skoon water verwyder word.

Moet nooit toerusting skoonmaak, dreineer of spoel naby bome, plante of waar daar moontlik wortels groei nie. Water wat vir die skoonmaak van toerusting gebruik word moet nie onbehandelde areas besoedel nie.

#### RELEVANTE STOWWE/SUBSTANSE:

Gevaarlike komponente	CAS-Nommer	Gewig - %	GHS Klassifikasie
Oxyfluorfen	42874-03-3	40,68%	Gevaarlik vir die wateromgewing, akute gevaar, Gevaarkategorie 1. Gevaarlik vir die wateromgewing, chroniese gevaar, Gevaarkategorie 1. M Faktore = 1 000.

Die ander stowwe/substansie wat nie hierbo gelys is nie, veroorsaak geen en dra nie by tot die korrekte GHS klassifikasie van **GOAL 480™ SC** nie en is gevolglik in terme van die Suid Afrikaans regulasies van gevaarlike Chemiese Agente – 2021; Regulasie 14(b), nie gelys nie.

#### EERSTE HULP:

##### Algemene raad

Ingeval van 'n ongeluk/voerval of as persoon sleg voel, verkry onmiddelik mediese hulp. Verwys na afdeling 8 van die SDS vir spesifieke personeel beskermende toerusting. Voorsien SDS en etiket aan die mediese personeel vir behandeling.

##### Inaseming

In geval van inaseming, hou pasiënt kalm en verplaas die persoon na vars lug. Hou persoon in 'n herstelbare posisie. Indien die persoon nie asemhaal en/of nie gemaklik asem haal nie, ontbied 'n dokter of ambulans en voorsien die noodnommer op die etiket. Pas kunsmatige asemhaling toe.

##### Velkontak

Verwyder alle gekontameneerde klere onmiddelik. Was vel met seep en water sonder om die vel te vryf. Ontbied 'n dokter en/of kontak die noodnommer op die etiket. Die gekontameneerde klere moet gewas word voor hergebruik. Bruikbare stortgeriewe moet toeganklik wees in die werksarea.

##### Oogkontak

Spoel oë onmiddelik sagkens met water vir 'n minimum van 15 minute. Hou die ooglede oop. Indien van toepassing, verwyder kontaklense as dit gemaklik verwyder kan word. Kry mediese behandeling indien die irritasie/ongemak voortduur. Moet nie die oë vryf nie.

##### Inname

Geen nood mediese behandeling nodig nie.

##### Mediese Advies

Daar is geen spesifieke teengifmiddel nie. Behandel simptome.

## **GEBRUIKSBEPERKINGS:**

**Moet nie GOAL™ 480 SC** enigsins in kwekerye óf op óf oor óf naby kwekery plantmateriaal aanwend nie. Die enigste uitsondering tot die gebruik van **GOAL™ 480 SC** op kwekery plantmateriaal is vir BOSBOU alleenlik en moet dan streng volgens aanwysings, soos op hierdie etiket, geskied.

## **WEERSTANDSWAARSKUWING:**

Vir weerstandsbestuur is **GOAL™ 480 SC** as 'n HRAC Groepkode E onkruidodder geklassifiseer. Enige populasie van 'n spesifieke onkruid mag individue insluit wat 'n natuurlike weerstand teen **GOAL™ 480 SC**, of enige ander Groepkode E onkruidodder het. Indien hierdie onkruidodders herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die onkruidpopulasie oorheers. Hierdie weerstandbiedende onkruid sal moontlik nie deur **GOAL™ 480 SC** of enige ander Groepkode E onkruidodder, beheer word nie.

Om weerstand teen onkruidodders te verhoog:

- Vermoed die eksklusiewe herhaaldelike gebruik van onkruidodders in dieselfde onkruidoddergroepkode. Wissel af met, of gebruik tenkingsels van produkte in verskillende onkruidoddergroepkodes.
  - Integreer ander beheermaatreëls (chemies, verbouing, biologies) in onkruidbeheer-programme.
- Vir spesifieke inligting oor weerstandsbestuur, kontak die registrasiehouer van hierdie produk.

## **GEBRUIKSAANWYSINGS: GEBRUIK SLEGS SOOS AANGEDUI**

### **Werkwyse van GOAL™ 480 SC:**

Die wateroplosbaarheid van die aktiewe bestanddeel (Oksifluorfen) is uiters laag. Na toediening bind dit vinnig en sterk aan kleipartikels en organiese materiaal in die oppervlakkige grondlaag. Die aktiewe bestanddeel is dus nie geneig tot wortelopname en logging nie. **GOAL™ 480 SC** bly na toediening as 'n dun laag onkruidodder op die grondoppervlak waar dit tydens die aanwesigheid van vog ge-aktiveer word. Ontkiemende sade of jong saailinge word hier gedood wanneer dit met die ge-aktiveerde oksifluorfen in aanraking kom. Na toediening van **GOAL™ 480 SC** moet die behandelde grondoppervlak nie bewerk of versteur word nie, aangesien versteuring van die onkruidodderlaag op die grondoppervlak onkruidbeheer sal benadeel. Aangesien **GOAL™ 480 SC** deur die aanwesigheid van vog ge-aktiveer word is die toediening op klam, gestabiliseerde grond en 'n minimum van 5 mm reën of besproeiing binne 7 dae na toediening noodsaaklik vir effektiewe onkruidbeheer. Om grond voor toediening te stabiliseer kan 'n ligte besproeiing van 5-10 mm gedoen word. Optimale **GOAL™ 480 SC** nawerking kan verkry word wanneer die grond nooit toegelaat word om heeltemal uit te droog nie.

### **Toedieningsvereistes en Tydsberekening vir Toediening:**

**GOAL™ 480 SC** moet met 'n trekgergemonteerde spuitbalk of rugsakspuit, toegerus met Teejet platwaaier spuitpunte toegedien word. Die spuitpunte moet die aanbevole volume spuitmengsel per hektaar teen 'n drukking van 100-200 kPa kan lewer. Verseker dat die spuitapparaat korrek gekalibreer is en dat slegs skoon water gebruik word. Die spuitmengsel moet deurentyd goed geroer word.

**GOAL™ 480 SC** het beide na-opkoms en residuele werking op beide breëblaar- en grasonkruid. Na-opkoms werking is egter tot saailinge beperk. Vir optimum residuele effek moet **GOAL™ 480 SC** verkieslik voor opkoms van onkruid toegedien word.

**GOAL™ 480 SC** moet verkieslik nie op ongestabiliseerde grond (droë, stowwerige pas-gewerkte grond) toegedien word nie. Vir optimale werking van en gewasverdraagsaamheid teenoor oxyfluorfen is dit belangrik dat 'n ligte besproeiing of reën die toediening vooraf gaan. 'n Opvolg besproeiing of reën binne 7 dae na toediening van **GOAL™ 480 SC** is ewe belangrik.

**GOAL™ 480 SC** moet nie op 'n organiese deklaag van meer as 30 % bedekking, toegedien word nie, aangesien 'n hoë aanwesigheid van organiese materiaal op die grondoppervlak die werking van **GOAL™**



**480 SC** nadelig sal beïnvloed. Oormatige bedekking van plantreste (organise materiaal) op die grondoppervlaktes wat behandel gaan word, moet dus voor toediening verwyder word.

**GOAL™ 480 SC** moet nie by gewasse onder drupbesproeiing gebruik word nie. Onvoldoende oppervlakkige grondvog buite die drupgebied sal nie die **GOAL™ 480 SC** aktiveer nie en swak of wisselvallige onkruidbeheer tot gevolg hê.

#### **Gewasveiligheid:**

- Dit is belangrik om daarop te let dat die toediening van **GOAL™ 480 SC** van gewas tot gewas verskil en die spesifieke aanbevelings vir elke gewas moet noukeurig gevolg word. Na toediening word **GOAL™ 480 SC** in 'n dun lagie aan die oppervlakkige grondlaag vasgehou. Gevolglik kan dit deur reën of besproeiing op die onderste blare van gewasse gespat word. As gevolg van **GOAL™ 480 SC** se sy hoogs aktiewe kontak aksie kan blaarbrand op die blare veroorsaak word wat normaalweg met tyd sal verdwyn. Tydens koel (1-15 °C), nat, windstil, hoë grond en lugvog toestande mag ko-distillasie van **GOAL™ 480 SC** vanuit die grond plaasvind, gewasse se blare kan dit dan in dampvorm opneem wat ook blaarbrand kan veroorsaak.
- **Die gebruik van GOAL™ 480 SC by bladwisselende vrugtebome en wingerd**  
By vrugtebome en wingerdstokke kan fyn spuitdruppeltjies **GOAL™ 480 SC** opwaarts in die bome en wingerdstokke gedryf word wat as gevolg van die hoogs aktiewe kontakaksie van die middel blaarbrand van onvolwasse blare asook klein brandspikkels op jong vruggies kan veroorsaak. Rondom die brandspikkels op vruggies ontwikkel dan kurkweefsel wat die volwasse vrugte met 'n onaanvaarbare voorkoms vir uitvoer kan laat. **Dit word dus aanbeveel dat GOAL™ 480 SC minstens 4 weke voor verwagte bot by die gewasse toegedien word.**

#### **Die gebruik van GOAL™ 480 SC by Uie en soortgelyke gewasse:**

- **GOAL™ 480 SC** moet as 'n voor-opkoms of vroeg na-opkoms behandeling **na uitplant of opkoms van uie** toegedien word.
- Verwys na aanbevelingstabelle vir gebruiksaanwysings vir die verskillende plantmetodes en gewasstadiums.
- Geringe skroei of varkstertvorming van blare, mag kort na toediening van **GOAL™ 480 SC** voorkom, maar dit is normaalweg van korte duur en plante herstel normaalweg binne enkele weke daarna.
- **GOAL™ 480 SC** moet slegs op uieplantjies wat in die 2-3 egte-blaarstadium van ontwikkeling is, toegedien word. Swak plantjies mag nadelig beïnvloed word.
- Tensy spesifiek anders aangedui, moet alle toedienings van **GOAL™ 480 SC** op uitgeplante uie, op klam, gestabiliseerde grond gedoen word en met 'n deeglike besproeiing opgevolg word.

#### **Die gebruik van GOAL™ 480 SC by Koolgewasse:**

- **GOAL™ 480 SC** moet as 'n voor-opkoms behandeling, **voor uitplant van enige koolgewasse**, toegedien word.
- Die grondoppervlak vir behandeling moet goed voorberei en sonder enige groot kluite wees. Dit word aanbeveel dat ligte besproeiing op die voorbereide grond gedoen word, voordat **GOAL™ 480 SC** toegedien word.
- Die koolplantjies moet **eers 7-10 dae na toediening van GOAL™ 480 SC**, in die behandelde grond geplant word. Die plantjies moet so regop mootlik geplant word en grondverstoring moet tot die minimum beperk word.
- Om oormatige verwelking en platlê van uitgeplante plantjies te voorkom moet onmiddellik na uitplant besproei word. Matige skroei van blare kan voorkom, maar is normaalweg van 'n tydelike aard en plante herstel normaalweg binne 'n kort tydperk. Nuwe groei word onder normale toestande nie benadeel nie.
- **Moet nie GOAL™ 480 SC na uitplant toedien nie. Direkte kontak van GOAL™ 480 SC met hierdie gewasse sal tot ernstige skade lei.**
- **GOAL™ 480 SC** word nie aanbeveel waar 'n masjien vir die uitplant van plantjies gebruik word nie. Dit lei gewoonlik tot 'n oormatige verstoring van die grondoppervlak en onkruidodende laag, wat swak onkruidbeheer tot gevolg het.
- Swaar besproeiing of reën met groot druppels kort na uitplant kan **GOAL™ 480 SC** bevattende gronddeeltjies tot op die jong blare spat met gevolglike brandskade aan die gewas.
- Koel (1-15 °C), nat en windstil toestande met gepaardgaande hoë humiditeit wat ko-distillasie van **GOAL™ 480 SC** bevorder kort na uitplant van koolplantjies kan skade aan koolgewasse veroorsaak

wat tot oesverliese mag lei.

- Versuip-toestande a.g.v. langdurige reënval en/of besproeiing wat nat, deurdrenkte grondtoestande veroorsaak, sal aanleiding gee dat plante nie aktief groei en gewasskade mag voorkom waar **GOAL™ 480 SC** toegedien is.
- Gunstige groeitoestande na uitplant sal vinnige waslaagontwikkeling van blare bevorder wat die risiko van bogenoemde skades sal beperk.
- Ontydige aanplantings van koolgewasse wat moontlik aan bogenoemde nadelige klimaatstoestande blootgestel mag word moet nie met **GOAL™ 480 SC** behandel word nie.
- **GOAL™ 480 SC** is slegs op die volgende koolgewaskultivars getoets en die veiligheid vir gebruik op ander kultivars is onbekend.

**Kontak u saadverskaffer of produk verteenwoordiger indien nodig.**

**Blomkool:** Snowking, Snowcrown, Snow February, Snowcap, Couchamp, Igloo.

**Kopkool:** Gloria Osená, NS Cross, Hercules, Bonanza, Drum Head, Green Coronette, Cape Spitz, Glory of Enkhuizen, Rolan, Shamrock, Rodelle.

**Spruitkool:** Long Island, Jade Cross.

**Brokkolie:** Green Sprouting Calabrese, Late Corona.

### **Veiligheid rondom meerjarige gewasse soos vrugtebome en wingerde:**

**GOAL™ 480 SC** kan by enige ouderdom vrugtebome en wingerdstokke aangewend word, mits die volgende riglyne gevolg word.

- **GOAL™ 480 SC** moet nie enigsins in kwekerye of op of oor of naby kwekery plantmateriaal aangewend word nie.
- Beperk die gebruik van **GOAL™ 480 SC** tot gewasse wat op die etiket genoem word.
- Dien **GOAL™ 480 SC** slegs toe deur gerigte bespuiting en vermy blaarkontak met **GOAL™ 480 SC** by alle gewasse in die groep.
- **Sagtevrugte en wingerde:** Dien minstens 4 weke voor bot toe. Indien dit nie binne 7-10 dae na toediening reën nie, volg op met 'n oppervlakkige besproeiing van minstens 5 mm. Moet nie meer as 500 ml **GOAL™ 480 SC** /ha na bot by sagtevrugte en wingerd toedien nie, en slegs na begin Desember.
- **Sitrus: Moenie GOAL™ 480 SC** gedurende die periode 3 weke voor blom, tot 3 weke na vrugset toedien nie.
- Moenie onder drupbesproeiing gebruik nie. Drupbesproeiing sal nie die **GOAL™ 480 SC** op die grondoppervlak aktiveer nie. Ondergrondse vog mag ook onkruid laat ontkiem en die gebrek aan oppervlakkige vog sal swak onkruidbeheer tot gevolg hê.

Tensy spesifiek op hierdie etiket aanbeveel, moet **GOAL™ 480 SC** in geen geval in kombinasie met enige ander onkruid-dodende middels in 'n spesifieke seisoen gebruik word nie, aangesien dit skade aan die gewas kan veroorsaak. Grond wat met **GOAL™ 480 SC** behandel was, moet deeglik en diep geploeg word voordat 'n opvolggewas geplant word. Vir elke 500 ml **GOAL™ 480 SC** wat toegedien was, moet daar 'n twee maande wagperiode wees voordat eenjarige opvolggewasse geplant word. Op grond waar **GOAL™ 480 SC** binne die vorige agtien maande gebruik is, moet direkte gesaaide opvolggewasse nie met asetamied onkruid-doders behandel word nie. Gewasse wat nie op hierdie etiket genoem is nie en naby of tussen behandelde bome of wingerde geplant is, kan deur **GOAL™ 480 SC** beskadig word.

**AANBEVELINGS:**

<b>GEWAS</b>	<b>GOAL™ 480 SC DOSIS / ha</b>	<b>OPMERKINGS</b>
<b>A. EENJARIGE GEWASSE</b>  <b>1. UIE</b>  <b>1.1 UITGEPLANTE UIE</b>  <b>1.1.1 Langgroeï kultivars</b>	          1,5 liter       <b>OF</b>    750 ml  +  750 ml	          <b>Sien notas onder “GEBRUIKSAANWYSINGS” hierbo.</b>          Besproei lig direk na uitplant om grond te stabiliseer. Volg onmiddellik daarna met toediening in 300-400 l water per ha en volg op met besproeiing.          Doen eerste toediening van 750 ml/ha onmiddellik na uitplant en ligte besproeiing toe soos hierbo genoem. Volg na een maand op met die tweede toediening van 750 ml/ha in 300-400 l water per ha.

GEWAS	GOAL™ 480 SC DOSIS / ha	OPMERKINGS
<b>1. UIE (verv.)</b>		
<b>1.1.2 Kortgroeï kultivars</b>	500 ml + 500 ml  <b>OF</b>  750 ml + 750 ml	<p>Waar net breëblaaronkruid voorkom, doen die eerste toediening onmiddellik na uitplant en ligte besproeiing. Volg weer so spoedig moontlik op met 'n normale besproeiing. Volg een maand later op met 'n tweede behandeling teen dieselfde dosis. Dien toe in 300-400 l water per ha.</p> <p>Waar grasse en breëblaaronkruid 'n probleem is, doen die eerste toediening onmiddellik na uitplant en ligte besproeiing. Volg weer so spoedig moontlik op met 'n normale besproeiing. Volg een maand later op met 'n tweede behandeling teen dieselfde dosis. Dien toe in 300-400 l water per ha.</p>
<b>1.2. UITGEPLANTE UIE VIR SAADPRODUKSIE</b>	1,5 liter  <b>OF</b>  750 ml + 750 ml	<p>Dien onmiddellik na uitplant van die vroulike bolle en ligte besproeiing toe. Volg weer so spoedig moontlik op met normale besproeiing. Skadesimptome soos onder “Die gebruik van <b>GOAL™ 480 SC</b> by uie en soortgelyke gewasse” hierbo beskryf, mag meer opmerkbaar wees by manlike plante. Dien toe in 300-400 l water per ha.</p> <p>Doen die eerste toediening onmiddellik na uitplant en ligte besproeiing. Volg so spoedig moontlik na toediening op met normale besproeiing. Volg een maand later op met 'n tweede behandeling teen dieselfde dosis. Dien toe in 300-400 l water per ha.</p>

GEWAS	GOAL™ 480 SC DOSIS / ha	OPMERKINGS
1.3 DIREK GESAAIDE UIE (Karoostreek)	1,5 liter	Slegs vir gebruik op Caledon Globe en Australiese Bruin kultivars. Dien toe in die 3 tot 4-blaarstadium van die uie (ongeveer 2 - 3 maande na saai). As onkruidontwikkeling stadig is, mag die toediening vertraag word tot 'n maand na die 3-blaarstadium van die uie. Die <b>GOAL™ 480 SC</b> toediening mag voorafgegaan word deur 'n handskoffel onmiddellik voor die <b>GOAL™ 480 SC</b> toediening. Volg op met normale besproeiing so spoedig moontlik na toediening. Vir optimum resultate moet <b>GOAL™ 480 SC</b> op 'n onkruidvrye oppervlakte toegedien word. Dien toe in 300-400 l water per ha.
1.4 DIREK GESAAIDE UIE (Somerreënvalgebied) Na-opkoms	500-750 ml	Toediening van <b>GOAL™ 480 SC</b> op direkte gesaaide uie moet nie geskied voordat die saailinge twee ten volle ontwikkelde blare het nie. Onkruid moet nie verder as die 2-3 blaarstadium van ontwikkeling wees nie. Onvoldoende resultate mag verkry word by verder ontwikkelde onkruid en onkruid wat onder stremming is as gevolg van droogte, ryp of ander klimaatuiterses. Afhangende van onkruiddruk kan 'n verdere toediening van <b>GOAL™ 480 SC</b> teen 750 ml/ha, vier tot ses weke na die eerste toediening, nodig wees. Gebruik die laer dosis van <b>GOAL™ 480 SC</b> by minder geharde uie kultivars. Dien toe in 300-400 l water per ha.
2. KNOFFEL	1,5 liter	Dien <b>GOAL™ 480 SC</b> onmiddellik na plant en ligte besproeiing toe. Volg op met normale besproeiing so spoedig moontlik na toediening. 'n Mate van blaarskroei, soos vir uie beskryf, mag onder koel, vogtige, windlose toestande veroorsaak word. Vertraagde opkoms as gevolg van hoë grond temperatuur, kan ook lei tot skroeisimptome. Dien toe in 300-400 l water per ha.

GEWAS	GOAL™ 480 SC DOSIS / ha	OPMERKINGS
3. KOOLGEWASSE	1-1,5 liter	<p><b>GOAL™ 480 SC</b> moet as 'n voorplant vol oppervlakte behandeling van lande waarin koolgewasse uitgeplant word, toegedien word. Dien 'n ligte besproeiing voor toediening van <b>GOAL™ 480 SC</b> toe om die grond te stabiliseer. Laat 7-10 dae na die onkruidodder toediening verloop voordat die koolplantjies in die behandelde grond uitgeplant word. Moet nie gouer as 7-10 dae na onkruidodder toediening plant nie, want ernstige gewasskade mag volg. Indien die grond uitgedroog het, moet 'n ligte besproeiing voor uitplant en weer na uitplant gedoen word. Dien toe in 300-400 l water per ha.</p> <p><b>Sien notas onder “GEBRUIKSAANWYSINGS” hierbo.</b></p> <p><b>GOAL™ 480 SC MOET NIE NA UITPLANT BY KOOLGEWASSE TOEGEDIEN WORD NIE. DIREKTE KONTAK VAN GOAL™ 480 SC MET DIE BLARE VAN HIERDIE GEWASSE SAL TOT ERNSTIGE SKADE LEI.</b></p>

GEWAS	GOAL™ 480 SC DOSIS / ha	OPMERKINGS
<b>B. MEERJARIGE GEWASSE</b>		<p><b>Sien notas onder "GEBRUIKSAANWYSINGS" hierbo.</b></p> <p>Vermy blaarkontak met <b>GOAL™ 480 SC</b> by alle gewasse in hierdie groep behalwe waar anders vermeld.</p>
<p><b>1. KERN- EN STEENVRUGTE</b></p> <p><b>1.1. Gevestigde boorde van een jaar en ouer</b></p> <p><b>1.2. Nuut uitgeplante boompies</b></p>	<p>1,5-2 liter</p> <p>1,5-2 liter</p>	<p>Vir gebruik in Kern- en Steenvrugboorde van alle ouderdomme.</p> <p><b>Sien notas onder "GEBRUIKSAANWYSINGS" hierbo.</b></p> <p>Gebruik 1,5 l /ha waar breëblaaronkruid hoofsaaklik die probleem is. Dien ongeveer 4 weke voor bot as gerigte bespuiting, op 'n skoon grondoppervlakte toe. Waar onkruid alreeds opgekrom het, moet dit eers geskoffel word of met 'n geskikte na-opkoms onkruiddoder doodgespuit word. Dien <b>GOAL™ 480 SC</b> toe in 400-600 l water per ha.</p> <p><b>Toediening mag nie gedurende die periode, een maand voor bot tot die begin van Desember, geskied nie.</b></p> <p><b>Kan slegs oorweeg word indien boompies nog nie gebot het nie.</b></p> <p>Dien binne 3 dae na uitplant, maar minstens 21 dae voordat boompies begin bot, as gerigte bespuiting, op klam bogrond toe. Om die <b>GOAL™ 480 SC</b> op die grondoppervlak te aktiveer, moet, indien dit nie gereën het nie, 'n ligte besproeiing van minstens 5 mm, binne 7 dae na toediening gedoen word.</p> <p>Dien toe in 400-600 l water per ha.</p>
<b>2. WINGERD</b>	1,5-2 liter	<p>Gebruik net in gevestigde, opgeleide wingerd van een jaar en ouer. Dien slegs tydens die dormante stadium tot einde Julie, maar nie later as een maand voor bot, toe. Dien toe in 400-600 l water per ha.</p>





GEWAS	GOAL™ 480 SC DOSIS / ha	OPMERKINGS
<p><b>4.2. Eucalyptus (verv.)</b></p> <p><b>4.2.2. Na-plant behandeling</b></p>	<p>1,5 liter</p>	<p><b>GOAL™ 480 SC</b> kan binne 4 dae na uitplanting van <i>E. grandis</i>, <i>E. nitens</i> en <i>E. macarthurii</i>, maar voordat onkruid opkom, toegedien word.</p> <p>Dien toe in 300-400 l water per ha.</p> <p><b>Nota:</b> Skroei van die jongste blare sal voorkom waar hierdie metode van toediening gevolg word. Hierdie skroei is van 'n tydelike aard en plante herstel na 'n paar weke. Dit is uiters belangrik dat die boompies van goeie gehalte en vry van siektes moet wees. Saailinge wat met botrytis besmet is sal ernstig geskroei of selfs gedood word.</p>

## ONKRUIDE WAT DEUR GOAL™ 480 SC BEHEER WORD

### Eenjarige Breëblaaronkruid

*Amaranthus thunbergii*

*Amaranthus spinosus*

*Amaranthus hybridus*

*Amaranthus deflexus*

*Anagallis arvensis*

*Arctotheca calendula*

*Argemone subfusiformis*

*Capsella bursa-pastoris*

*Chenopodium album*

*Datura stramonium*

*Datura ferox*

*Emex australis*

*Fumaria muralis*

*Galinsoga parviflora*

Roomisbredie

Doringmisbredie

Gewone misbredie

Meerjarige misbredie

Pimpernel

Soetgousblom

Witblom-bloudissel

Herderstassie

Withondebossie

Stinkblaar

Grootstinkblaar

Kaapse dubbeltjie

Duiwekerwel

Knopkruid

<i>Oenothera stricta</i>	Nagblom
<i>Plantago lanceolata</i>	Smalweebelaar
<i>Polygonum aviculare</i>	Voëlduisendknoop

<i>Portulaca oleracea</i>	Porslein
<i>Raphanus raphanistrum</i>	Ramenas
<i>Schkuhria pinnata</i>	Kleinkakiebos
<i>Silene gallica</i>	Kruitbossie
<i>Sisymbrium thellungii</i>	Gewone wildemosterd
<i>Sonchus oleraceus</i>	Sydissel
<i>Spergula arvensis</i>	Sporrie
<i>Stellaria media</i>	Sterremuur
<i>Tagetes minuta</i>	Kakiebos

### Eenjarige Grasonkruid:

<i>Avena fatua</i>	Gewone wildehawer
<i>Digitaria sanguinalis</i>	Kruisvingergras
<i>Echinochloa crusgalli</i>	Hanepootmanna
<i>Eleusine indica</i>	Jongosgras
<i>Lolium multiflorum</i>	Italiaanse raaigras
<i>Poa annua</i>	Wintergras

**ONKRUIDE WAT NA-OPKOMS DEUR GOAL™ 480 SC TEEN 500-750 ml/ha BEHEER WORD (Sien 1.4).**

<i>Amaranthus deflexus</i>	Meerjarige misbredie
<i>Portulaca oleracea</i>	Porslein