

Read the label before opening the container.

For Full particulars, see enclosed leaflet.

OutPace FloWable



South Africa Reg.No: L 4760 Act No. 36 of 1947

Namibia Reg. No: N-AR 0701 Act no 36 of 1947

OutPace FloWable suspension concentrate is a soil acting herbicide with prolonged action for the prevention of weed growth on industrial sites, other non-crop areas and apple and pear orchards.

HRAC HERBICIDE GROUP CODE: C1

ACTIVE INGREDIENTS:

Terbutylazine (Triazine).....	250 g/l
Simazine (Triazine).....	250 g/l
Total active ingredients	500 g/l

Product Information Tel no: 082 801 6759
In case of poisoning: 082 446 8946

www.enviro-crop.co.za

enviro
efficiency • quality • competitiveness

Batch No:

Date of Manufacture:

Registration holder:

Enviro Industries (Pty) Ltd t/a Enviro Weed Control Systems
Reg No. 1999/006136/07
10 Ninth Avenue, Industria, Kroonstad, 9500
Tel: 056 213 1967



CAUTION
VERSIGTIG



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OutPace FloWable

Reg. No. L4760 Act/Wet No. 36 of/van 1947

Namibia Reg. No. N-AR 0701 Act/Wet no 36 of/van 1947

OutPace FloWable is a suspension concentrate is a soil acting herbicide with prolonged action for the prevention of weed growth on industrial sites, other non-crop areas and apple and pear orchards.

OutPace FloWable is 'n suspensie konsentraat onkruidodder met 'n lang nawerking wat die groei van onkruid op industriële en onverboorde gebiede en appel- en peerboorde voorkom.

HRAC HERBICIDE GROUP CODE / HRAC ONKRUIDDODER GROEPKODE: C1

ACTIVE INGREDIENTS / AKTIEWE BESTANDEDELE:

Terbuthylazine (triazine) / Terbutilasien (triasien).....250 g/l
 Simazine (triazine) / Simasien (triasien).....250 g/l
 Total active ingredients / Totale aktiewe bestanddele.....500 g/l

Registration holder / Registrasiehouer:

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CAUTION VERSIGTIG

WARNINGS

- Poisonous if swallowed.
- Store in a cool place away from food, feedstuffs, seed, fertilizers and other agricultural products.
- Keep out of reach of children, uninformed persons and animals.

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 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 in the event of any uncertainty.

PRECAUTIONS

- Read the entire label before using the product and ensure that the requirements for its correct use are observed.
- Ensure that persons assigned to apply the products are adequately trained.
- Do not apply within the root zone of desirable vegetation, or where it could be washed to such areas, or into streams or dams.
- Do not apply to areas designated for future cultivation.
- Prevent the inhalation of fine spray particles, and avoid eye contamination.
- Do not eat, drink or smoke during application, or before hands and face have been washed using soap and water.
- Prevent the contamination of food, feeds, drinking water and eating utensils.
- Keep in original container, tightly closed and in a safe place.
- Rinse empty container three times with a volume of water equal to a minimum of 10% of that of the container. Add the rinsings to the contents of the spray tank before destroying the destroying the container in the prescribed manner.
- Destroy the empty container by perforation and flattening after use of the product and never use for any other purpose.
- Do not mix and load within at least 15 meter from boreholes, streams, rivers and dams.
- Do not apply within at least 15 meter from boreholes, streams, rivers and dams.
- Do not apply within at least 60 meter of dams.

RESISTANCE WARNING

For resistance management, **OutPace FloWable** is a group code **C1** herbicide. Any weed population may contain individuals naturally resistant to **OutPace FloWable** and other group code **C1** herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **OutPace FloWable** or any other group code **C1** herbicide.

To delay herbicide resistance:

- Avoid the exclusive repeated use of herbicides from the same herbicide group code.
- Alternate or tank mix with products from difference 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.

OutPace FloWable is a long lasting spray applied herbicide which acts in the soil to control the germination of weed seeds on such sites as security fences, electrical sub-station, rail tracks, yards, roadsides, kerb edging, apple orchards and pear orchards. It should be applied prior to the emergence of the weed to the clean soil or surface, where weeds have been removed by prior chemical or mechanical means. Should weeds have already emerged, use an appropriate herbicide before, after or in combination with **OutPace FloWable** (Refer to combinations below). **OutPace FloWable** does not control emerged weeds. Rainfall is necessary to leach **OutPace FloWable** into the soil before its action can take place.

TANK MIX COMBINATIONS WITH OTHER HERBICIDES

In order to control existing weeds a combination of a systemic or suitable knockdown herbicide may be used in combination with **OutPace FloWable**. The label recommendations for these products should be followed, and compatibility of the mixture should be established in each case.

OutPace FloWable may be used in combination with TUMBLEWEED (Reg. L 4781), ENVIRO GLYPHOSATE 360 (Reg L 4767) or GRAMOXONE in order to control established weeds, but should be mixed as prescribed. Consult the labels of these respective products to determine the dosage rate. Do not use less than 4,5 l TUMBLEWEED or 6 l ENVIRO GLYPHOSATE 360, per hectare in combination with **OutPace FloWable**.

OutPace FloWable may be added to a spray mix containing TUMBLEWEED or ENVIRO GLYPHOSATE 360 to provide residual weed control.

In industrial situations **OutPace FloWable** may also be used in combination with arsenal to improve residuality or to control weeds which may not be controlled by these herbicides used alone. Always consult the respective labels and follow the directions for use.

MIXING INSTRUCTIONS

- Shake well before use
- Replace cap after pouring.
- Half-fill the spray tank with water then pour the required quantity of **OutPace FloWable** through a 50 mesh sieve into the tank.
- Top up the tank with water to the final volume required.
- Ensure thorough agitation during filling and spraying operations.
- When used in tank mixture with either TUMBLEWEED, ENVIRO GLYPHOSATE 360 or gramoxone, first add the **OutPace FloWable** and mix well and finally add either the TUMBLEWEED, ENVIRO GLYPHOSATE 360 or gramoxone whilst the spray tank is filled to its final volume with water.
- After each day's spraying flush spray equipment thoroughly with clean water.

SPRAY WATER MODIFIERS

The addition of ammonium sulphate at 1 to 2 kg per 100 l spray water, or bladbuff 5 may improve the action when hard waters are used to apply combinations of **OutPace FloWable** and TUMBLEWEED or ENVIRO GLYPHOSATE 360. The addition of herbicidal spray oils is not recommended with combination mixtures.

A compatibility test, with the proposed combination should be made, using the spray water intended for use, to determine if flocculation (rapid settling-out of chemicals) occurs, in which case special precautions should be taken to ensure adequate agitation in the spray tank.

APPLICATION

OutPace FloWable may be applied by means of knapsack sprayers, tractor operated boom sprayers, or by hand-held spray guns. Calibrate the equipment to determine the volume applied and ensure that the spray is evenly distributed over the target area. Use a minimum of 200 l/ha, at a nozzle pressure of 200 – 300 kPa. The mixture should be gently agitated at all times prior to and during spraying to prevent deposition on the tank bottom. A knapsack sprayer fitted with a paddle agitator, such as the **Matabi**, is recommended. Always flush out the spray lines immediately after usage. Dispose of washings in a safe place.

HERBICIDE INJECTION INTO THE SPRAY LINES

In order to avoid the necessity of bulk tank mixes, a calibrated chemical proportional doser, such as the **Dosatron**, may be used to introduce **OutPace FloWable** and additional herbicides into a spray line at the appropriate concentration. Consult a representative from Enviro Weed Control Systems for information in this respect.

DOSAGE

The greater the quantity of **OutPace FloWable** applied, the longer the period of weed control obtained. The soil type and the rainfall effect the length of control, the higher dosage being required on heavy soils in high rainfall areas. Use follow-up treatments on coastal soils in the high rainfall areas of KwaZulu Natal to maintain the correct herbicide concentration in the upper soil layers.

When used alone **OutPace FloWable** should be applied prior to weed emergence at the beginning of the rainy season. When **OutPace FloWable** is used in combination with knock-down herbicides, it may be applied at any time during the rainy season, provided sufficient rain is expected to leach the product into the upper soil layers.

RECOMMENDATIONS

(i) Industrial Sites And Other Non-Crop Areas:

LOCATION	DOSAGE:
Summer rainfall areas:	
5 - 20% clay (light textured soils)	17 – 20 l/ha
21 - 30% clay (medium textured soils)	20 – 25 l/ha
31 – 40% clay (heavy textured soils)	25 – 30 l/ha
Winter rainfall area:	
Light soils in KwaZulu-Natal Coastal Region	15 – 20 l/ha 20 l/ha followed by 12 l/ha as required
Ash base soils incorporating coal dust areas:	30 l/ha followed by 12 l/ha as required

Use the higher rate where seasonal rainfall exceeds 800 mm. Should weed germination occur, reapply at half the initial rate combining this with a knock-down product at the rates recommended.

Note:

Use along kerb sides and verges in urban areas.

Do not exceed a rate of 16 l/ha when the product is applied in streets lined with trees and hedges and do not treat a strip wider than 500 mm under trees along the verge line. Do not treat the entire area under the dripline of trees to prevent injury from possible root uptake.

OutPace FloWable will not control weeds which grow from rhizomes or rootstocks, or which may be underground at the time of treatment. Should these emerge, spot treat using a suitable herbicide. Contact the supplier in the event of any uncertainty as to the use of the product.

(ii) Control Of Annual Weeds In Apple And Pear Orchards (on trees older than 3 years):

For use in apple and pear orchards **OutPace FloWable** may be mixed with TUMBLEWEED, ENVIRO GLYPHOSATE 360 or GRAMOXONE to control existing weeds where required. Consult the respective labels.

DIRECTED APPLICATION

OutPace FloWable does not have any post-emergence activity and must, therefore, be applied to soil, free of emerged weeds at the time of application or must be used in combination with a suitable post-emergence herbicide when weeds are present. Best results will be obtained when **OutPace FloWable** is applied subsequent to the application of a post-emergence herbicide such as TUMBLEWEED. Alternatively **OutPace FloWable** may be tank-mixed with a suitable post-emergence herbicide such as TUMBLEWEED. A dense stand of weeds may, however, result in insufficient penetration of **OutPace FloWable** to the soil surface. The best result with **OutPace FloWable** is obtained when application is made as late as possible in the season (end October, beginning November) but at the first signs of weed germination. Rain or irrigation is required shortly after application of **OutPace FloWable** to activate the product. Application made during late spring or early summer must therefore be followed by irrigation if rain does not occur within 10 days of application.

APPLICATION RATES (Only trees older than 3 years)		
CROP	SOIL TYPE	OutPace FloWable /ha
Apples	< 15% clay	4 l/ha
	> 15% clay	6 l/ha
Pears	< 15% clay	Not recommended
	> 15% clay	6 l/ha

Remarks:

- (i) Apply in 200 – 300 l water/ha.
- (ii) When **OutPace FloWable** is used in combination with TUMBLEWEED, ENVIRO GLYPHOSATE 360 or GRAMOXONE follow all the instructions on the TUMBLEWEED/GRAMOXONE label.
- (iii) The residual activity on grasses may not always be satisfactory, particularly where the product was applied early (July to September) and / or on light soils under conditions of heavy rainfall or irrigation.
- (iv) Do not apply on soils with a pH in water of 7 or higher or poorly drained soils.
- (v) Do not apply to trees suffering from micro-nutrient deficiencies.
- (vi) **OutPace FloWable** has a relatively long residual activity. Therefore do not plant any sensitive crops such as vegetables, legumes or winter cereals within 18 months after treatment.
- (vii) Do not apply to interplants before they are older than 3 years.

ACKNOWLEDGEMENTS OF TRADEMARKS

Arsenal : American Cyanamid Company Wayne, New Jersey, USA
 Bladbuff 5 : Plaaskem (PTY) LTD PO Box 87005, HOUGHTON, 2041, RSA
 Gramoxone : Zeneca Agrochemicals SA (PTY) LTD Private Bag X8, GALLO MANOR, 2052, RSA
 Matabi : Goizper S. Coop, Ltda, PO Box 211-20570, Bergara, Spain.
 Dosatron : Dosatron International, Ruepascal, B>P> 6-33370, Tresses, France.

LIST OF WEEDS CONTROLLED BY PRE-EMERGENCE TREATMENT	
GRASSES	
<i>Avena fatua</i>	Common Wild Oats
<i>Bromus unioloides</i>	Rescue Grass
<i>Chloris virgata</i>	Feathertop Chloris
<i>Digitaria sanguinalis</i>	Crab Finger-grass
<i>Eleusine indica</i>	Goose Grass
<i>Eragrotis teff</i>	Teffgrass
<i>Panicum schinzii</i>	Sweet Buffalo Grass
<i>Setaria pallide-fusca</i>	Red Bristle Grass
<i>Urochloa panicoides</i>	Herringbone Grass
BROADLEAF WEEDS	
<i>Acanthospermum australe</i>	Creeping starbur
<i>Acanthospermum hispidum</i>	Upright Starbur
<i>Amaranthus hybridus</i>	Common Pigweed
<i>Amaranthus spinosus</i>	Thorny Pigweed
<i>Arctotheca calendula</i>	Cape Marigold
<i>Bidens bipinnata</i>	Spanish Blackjack
<i>Bidens pilosa</i>	Common Blackjack
<i>Chenopodium album</i>	White Goosefoot
<i>Commelina benghalensis</i>	Benghal wandering Jew
<i>Conyza Canadensis</i>	Fleabane
<i>Cosmos bipinnatus</i>	Cosmos
<i>Datura ferox</i>	Large Thorne Apple
<i>Datura stammonium</i>	Thorn Apple
<i>Erodium moschatum</i>	Musk Heron's Bill
<i>Flaveria bidentis</i>	Smelter's Bush
<i>Galinsoga parviflora</i>	Gallant soldier
<i>Portulaca oleracea</i>	Purslane
<i>Schkuhria pinnata</i>	Dwarf marigold
<i>Sonchus oleracea</i>	Sow Thistle
<i>Tagetes minuta</i>	Tall Khaki Weed