

Read the label before opening the container.

For full particulars, see enclosed leaflet.

KEEP OUT OF REACH OF CHILDREN AND ANIMALS

VERSA

South Africa Reg. No: L9347 Act No. 36 of 1947

HRAC HERBICIDE GROUP CODE: A

An emulsifiable concentrate herbicide for the selective post-emergence control of annual grasses in dryland and irrigated wheat in the summer rainfall regions.

ACTIVE INGREDIENT:

Clodinafop-propargyl (piridinyloxyphenoxy).....240g/l

Product Information: 072 678 8226
In case of poisoning: 082 446 8946

HAZARD STATEMENTS

- Causes skin irritation.
- May cause an allergic skin reaction.
- Causes serious eye damage.
- May cause damage to organs through prolonged or repeated exposure.
- Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

- Wash hands, forearms, and face thoroughly after handling.
- Avoid release into the environment.



DANGER

enviro
bio-chem

Registration holder: Enviro Industries (Pty) Ltd

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Expiry Date:

Batch No:

Date of Manufacture:

UN No. 3082

WARNINGS:

- Causes skin irritation.
- May cause an allergic skin reaction.
- Causes serious eye damage.
- May cause damage to organs through prolonged or repeated exposure.
- Very toxic to aquatic life with long lasting effects.
- Keep out of reach of children, uninformed persons and animals.
- Store in the original container under lock and key, away from food, feedstuffs, fertilizers and seed.
- Store in a cool dry place.
- **Flammable** – do not store or handle near open flame.

Re-entry: Do not enter the treated field until the spray deposit has dried unless wearing protective clothing.

Aerial application: Notify all inhabitants in the immediate vicinity of the area to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate any water body or adjacent area.

Although this remedy has been extensively tested under a wide variety of conditions, the registration holder does not warrant that it will be effective under all conditions because the activity 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 instruction 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 breathe mist, vapours and spray.
- Wash hands and face thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Avoid release into the environment.
- Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
- Prevent contamination of food, feedstuff, eating utensils and drinking water.
- Prevent drift of spray mist onto other crops, grazing, rivers, dams or areas not under treatment.
- Triple rinse empty container 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 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 content of the spray tank. Empty containers should be taken for local recycling or waste disposal. Do not re-use empty containers.
- Clean applicator after use and dispose of wash water where it will not contaminate crops, grazing, dams or rivers.

RELEVANT SUBSTANCES:

Clodinafop-propargyl 24.8%

Cloquintocet-mexyl < 10%

Alkylbenzene sulphonate < 30%

FIRST AID TREATMENT:

General advice: If exposed or concerned, get medical advice.

INHALATION: Keep patient calm, remove to fresh air, and summon medical help.

INGESTION: Immediately call a POISON CENTER or doctor/physician.

EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

SKIN CONTACT: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

RESISTANCE WARNING:

For resistance management of **VERSA** is a **group code A** herbicide. Any weed population may contain individuals naturally resistant to **VERSA** and other **group code A** herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. **VERSA** or any other **group code A** herbicide may not control these resistant weeds.

To delay herbicide resistance:

- Avoid the 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.

These resistant weeds may not be controlled by **VERSA** or any other group code A herbicides which inhibits acetyl-Coenzyme A(Acetyl-CoA) carboxylase

Maintain herbicide use records for each field.

Prevent movement of resistant weed seeds and vegetative material to other fields by cleaning harvesting and tillage equipment and planting clean seed.

Inspect each land annually in order to identify the development of resistance early.

The occurrence of resistant weeds is difficult to detect prior to use. If the above measures are not strictly adhered to, ENVIRO INDUSTRIES cannot accept responsibility for any losses that may result from the failure of **VERSA** to control resistant weeds.

For specific information on resistance management contact the registration holders of this product.

USE RESTRICTIONS:

- Do not apply to wheat fields where confirmed or suspected herbicide resistance of any kind exist.
- Do not apply to crops or weeds under heat, drought or nutrient stress conditions
- Do not apply on waterlogged soils
- Do not apply to weeds under cold stress.
- Do not apply in barley.
- Do not apply over or allow spray drift to come into contact with neighboring barley or oats fields

COMPATIBILITY

The compatibility of **VERSA** with other products may be influenced by the formulations of the products involved as well as the quality of the water. Since the formulation of other products may change without the knowledge of ENVIRO INDUSTRIES and the quality of the water may vary from farm to farm, a physical compatibility test should always be carried out prior to application.

When **VERSA** is used for the control of wild oats it is compatible with **SPRITE 255 (L8247)**, **AMBITION (L7678)** and **SPYDER (L7679)**.

Multiple combinations of the above mentioned compounds have not been tested. Inferior control may be expected where **VERSA** is mixed with any compound other than those mentioned above.

DIRECTIONS FOR USE: Use only as directed

Mixing instructions:

Replace the cap after use.

Half fill the spray tank with water and, while agitating, add the required amount of **VERSA**. Add water to make up the desired spray volume. Keep the spray mixture agitated during mixing and spraying. Ensure the product is sprayed immediately and do not allow to stand for any prolonged period.

When **VERSA** is tank mixed with other herbicides, insecticides and fungicides these must be added first, well mixed and in suspension before **VERSA** is added.

Finally **BOOSTER OIL (L6148)** should be added

Application Data:

- Apply **VERSA** only to young actively growing weeds, i.e. weeds growing in moist soil
- It is essential that all parts of the weeds are thoroughly covered by the herbicide spray to ensure effective control.
- **VERSA** should be applied prior to crop growth reaching a density, which would inhibit effective coverage of the weeds.
- In order to achieve this the following application instructions must be adhered to

Aerial application:

Aerial application of **VERSA** may only be done by a registered aerial application operator using a correctly calibrated, registered aircraft according to the instructions of SANS Code 10118 (Aerial Application of Agricultural Pesticides). Ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. It is therefore essential that the following criteria be met:

- **Volume:** A spray mixture volume of 35 litre per hectare is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended above.
- **Droplet coverage:** 30 to 45 droplets per cm² must be recovered at the target area.
- **Droplet size:** A droplet spectrum with a VMD of 300 to 350 microns is recommended. Limit the production of fine droplets less than 150 microns (high drift and evaporation potential) to a minimum.
- **Flying height:** Maintain the height of the spray boom at 3 to 4 meters above the target. Do not spray when aircraft dives, is in a climb or when banking
- Use suitable atomising equipment that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- Position all the atomisers within the inner 60 to 75 % of the wingspan to prevent droplets from entering the wingtip vortices.
- The difference in temperature between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8 °C.
- Stop spraying if the wind speed exceeds 15 km/h.
- Stop spraying under turbulent, unstable and dry conditions during the heat of the day.
- Spraying under temperature inversion conditions (spraying in or above the inversion layer) and/or high humidity conditions (relative humidity 80 % and above) may lead to the following:
 - reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage).
 - damage to other sensitive crops and/or non-target areas through drifting of the suspended spray cloud away from the target field.
- Ensure that the Aerial Spray Operator knows exactly which fields to spray.
- Obtain an assurance from the Aerial Spray Operator that the above requirements will be met and that relevant data will be compiled in a logbook and kept for future reference.

APPLICATION RATES

- **VERSA** must at all times be tank mixed with BOOSTER OIL (L6148) at 250ml / 100l spray mixture
- The application of **VERSA** prior to the 3 to 4 leaf stage of wild oats may result in re-germination.
- Apply **VERSA** to actively growing weeds, preferably 1 to 2 days after irrigation.
- The control of wild oats after the 3 to 4 leaf stage may be too late and result in yield losses due to weed competition.
- Although **VERSA** will control wild oats up to the flag leaf stage, a delay in application until after the 3 to 4 leaf stage of the weed may result in severe yield losses due to weed competition.

Application of VERSA in dryland wheat in the summer rainfall region.

WEED	WEED STAGE	GROUND mℓ/ha	AIR mℓ/ha
Volunteer maize (<i>Zea mays</i>)	3-4 leaf	335	380
Wild Oats (<i>Avena fatua</i>)			
Sweet buffalo grass (<i>Panicum schinzii</i>)	3-4 leaf	200	225

- Apply **VERSA** from early September after good spring rains provided the mean temperature over a 24- hour period exceeds 10 °C for three consecutive days.
- If wild oats has reached the 4 to 5 leaf stage before the above mentioned requirements can be met, **VERSA** must be applied to minimize yield losses due to weed competition. Weed control could however be poorer. In such a case apply **VERSA** as a follow-up at 250 mℓ/ha plus 0.25 % v/v BOOSTER OIL.

General

- Weeds which have not germinated at the time of application will not be controlled.
- Ensure thorough coverage of the weeds
- Poor weed control may result if **VERSA** is applied when weeds are under moisture or other stress conditions
- Apply only during favorable climatic conditions when the weeds are actively growing.
- Exceptionally cold weather after the application of **VERSA** may result in poor weed control.
- **VERSA** rapidly inhibits growth of susceptible weeds. However ,visible symptoms of dying weeds may not be noticeable for 1 to 3 weeks after application depending on growing conditions and weed susceptibility
- **VERSA** is selective in wheat and can be applied to any cultivar provided it has reached the 3-leaf stage.

Weeds Controlled

The following weed species are normally controlled by **VERSA** at the dosage rates indicated above.

Avena spp - Wild oats

Panicum schinzii - Sweet buffalo grass

Zea mays - Volunteer maize

Resistance to the piridinyloxyphenoxy group of herbicides might occur in some of these populations.

Do not apply **VERSA** to these populations.

The following tank mix products are registered by ENVIRO INDUSTRIES under Act No. 36 of 1947:

SPRITE 255 (Contains 255 g bromoxynil/ℓ; Reg. No. L8247);

AMBITION (Contains 600 g metsulfuron-methyl/kg; Reg. No. L7678);

SPYDER (Contains 750 g chlorsulfuron/kg; Reg. No. L7679) and

BOOSTER OIL (spreader/sticker; Reg. No. L6148).