

Read the label before opening the container.

For full particulars, see enclosed leaflet.

KEEP OUT OF REACH OF CHILDREN AND ANIMALS

PERFECTA

South Africa Reg. No: L8210 Act No. 36 of 1947

HRAC HERBICIDE GROUP CODE: A

A emulsifiable concentrate post-emergence herbicide for the control of weeds as indicated in wheat, barley, triticale and peas.

ACTIVE INGREDIENT:

Diclofop-methyl (aryloxyphenoxypropionate).....378g/l

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

HAZARD STATEMENTS

- Harmful if swallowed.
- May be fatal if swallowed and enters airways.
- Flammable liquid and vapour.
- Causes serious eye irritation.
- May cause an allergic reaction.
- May cause respiratory irritation.
- May cause drowsiness or dizziness.
- Suspected of causing cancer.
- Very toxic to aquatic life with long lasting effects.



DANGER

PRECAUTIONARY STATEMENTS

- Do not handle until all safety precautions have been read and understood.
- Wash hands and face thoroughly after handling.

enviro
bio-chem

Registration holder: Erintrade CC t/a RT Chemicals

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Expiry Date:

Batch No:

Date of Manufacture:

UN No. 1993

WARNINGS:

- Allow the following interval between PERFECTA application and harvest or grazing
Wheat, Barley and Triticale: 60 days.
Peas: 42 days.
- Do not apply hormone herbicides within 14 days before or after spraying with PERFECTA.
- Do not apply more than once per growing season on the same area.
- Irritating to eyes and skin.
- Harmful if swallowed.
- May be fatal if swallowed and enters airways.
- Flammable liquid and vapour.
- Causes serious eye irritation.
- May cause an allergic reaction.
- May cause respiratory irritation.
- May cause drowsiness or dizziness.
- Suspected of causing cancer.
- Very toxic to aquatic life with long lasting effects.
- **FLAMMABLE:** Keep away from heat and open flames.
- Re-entry: Do not enter the treated area within 1 day after treatment 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 the drift to contaminate water or adjacent areas.

Although this herbicide 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 effected 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 herbicide concerned as well as by the method, time and accuracy of the 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:

- Do not handle until all safety precautions have been read and understood.
- Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
- Keep container tightly closed.
- Avoid breathing mist, vapours and spray.
- Wash hands and face thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors in a well-ventilated area.
- Wear impervious rubber gloves and boots, protective clothing, and chemical safety goggles.
- If exposed or concerned: Get medical attention.
- Store in a well-ventilated place. Keep cool.
- Store locked up.
- 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.
- Clean spray equipment thoroughly after use. Dispose of rinsing water where it will not contaminate crops, grazing or water.
- Dispose of content/container to suitable landfill in accordance with local regulations.
- 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.

RELEVANT SUBSTANCES:

Diclofop-methyl 37.5%

Solvento 150 < 55%

FIRST AID TREATMENT:

INHALATION: Remove person to fresh air and keep comfortable for breathing.

INGESTION: Do not induce vomiting. Consult a physician and get medical attention immediately.

SKIN CONTACT: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

If skin irritation or rash occurs: Get medical advice.

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

If eye irritation persists: Get medical advice/attention.

NOTE TO PHYSICIAN: Treat symptomatically.

RESISTANCE WARNING:

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

Compatibility:

PERFECTA is not compatible with hormone herbicides. The spray tank, filter, pump, pipes and nozzles should be thoroughly rinsed with an ammonia solution after using hormone herbicides and before using PERFECTA. Allow at least one hour between washing the spray equipment and use. Allow at least a one week interval between spraying an herbicide for the control of broadleaf weeds and a PERFECTA spray.

PERFECTA can be mixed with Bromoxynil 225 EC for use in the winter rainfall area only. Half fill the spray tank with clean water – add the required Bromoxynil 225 EC volume – add the required PERFECTA volume – fill the spray tank to the desired volume. The spray mixture must be agitated during mixing and spraying. Spray the mixture directly after mixing and do not allow it to stand for any period of time.

Do not mix PERFECTA with other crop protection products.

Use Restrictions:

Do not apply to crops and/or weeds that are suffering from stress (drought, waterlogging, heat, cold, nutrient deficiency, etc.).

Application to dense weed populations and/or weeds that have developed beyond the recommended treatment growth stage may result in variable or poor control. Where the crop has developed a dense leaf canopy, spray penetration onto the target weeds may be poor with aerial application. In such a situation ground application is recommended.

Recommendations:

Apply PERFECTA to wheat, barley or triticale before the 5 leaf growth stage. Apply PERFECTA as a post emerge treatment to wild oats, canary seed grass, Italian ryegrass and darnel at the 1 to 3 leaf growth stage or at the 2 to 4 early tiller stage. Optimum control is achieved under favourable growing conditions and high humidity. A three-hour rain-free period after application is necessary for uptake by the weeds.

Control of treated weeds occurs at 3 to 5 weeks after application.

Slight yellowing of barley and wheat leaves may occur under certain conditions. This is temporary and the yield will not be affected.

PERFECTA can be safely applied to undersown leguminous pasture crops.

Application:

Ensure an even spray droplet distribution on the target foliage.

Ground Application:

Apply by means of a tractor mounted boom sprayer, correctly calibrated to deliver 200 to 300 litres spray mixture per hectare. Avoid overlapping of swaths and over-application during starting, slow movement, turning and stopping.

Aerial Application:

Aerial application of PERFECTA may only be done by a registered Aerial Application Operator using a correctly calibrated, registered aircraft according to the instructions of SABS 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 30 to 35ℓ/ha 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 40 droplets per cm² must be recovered on the target area.
- Droplet size: A droplet spectrum with a VMD of 300 to 350 microns is recommended. Limit the production of fine droplets of 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 metres 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 in the Winter Rainfall Area: Swartland, South Western and Southern Cape, and certain dry land areas in the Southern part of the Eastern Cape region as far as the Humansdorp district.

CROP	WEED / DOSAGE RATE/HA	REMARKS
Wheat, Barley, Triticale & Peas	<ul style="list-style-type: none"> • Wild Oats (<i>Avena Fatua</i>) • Canary Seed Grasses (<i>Phalaris Species</i>) <p>Ground application: 0.9 - 1.0ℓ in 200 - 300ℓ water.</p> <p>Aerial application: 1.1 - 1.25 ℓ in 30 - 35ℓ water</p> <hr/> <ul style="list-style-type: none"> • Italian Ryegrass (<i>Lolium Multiflorum</i>) • Darnel (<i>Lolium Temulentum</i>) <p>Ground application: 0.9ℓ in 200 - 300ℓ water.</p> <p>Aerial application: 1.0ℓ in 30 - 35ℓ water</p>	<p>Use the lower dose for smaller grasses and the higher one for larger grasses.</p> <p>Apply before the crop reaches the 5-leaf stage.</p> <p>In the case of peas, apply at the correct weed stages.</p>

Application to irrigated fields in the Summer Rainfall Area.

CROP	WEED / DOSAGE RATE/HA	REMARKS
Wheat & Barley	<ul style="list-style-type: none"> • Wild oats (<i>Avena fatua</i>) <p>Ground application: 2.5ℓ in 200 - 300ℓ water.</p> <p>Aerial application: 2.5ℓ in 35ℓ water</p>	<p>Spray post-emergence at the 3 to 4 leaf early tiller stage of the weeds.</p> <p>Do not tank mix with Bromoxynil 225 EC.</p>