

POISON

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

OzCrop

Acifluorfen 224

HERBICIDE

ACTIVE CONSTITUENT: 224 g/L ACIFLUORFEN
(Present as the sodium salt)

GROUP **14** HERBICIDE

For the selective control of certain broadleaf weeds and grasses in mung beans, peanuts, soybeans, green beans and seed crops of Siratro and Stylo as specified in the DIRECTIONS FOR USE table.

CONTENTS:

250mL – 1000L

NOT A DANGEROUS GOOD
ACCORDING TO THE AUSTRALIAN
DANGEROUS GOODS (ADG) CODE.

BATCH NO.

DATE OF MANUFACTURE:

OzCrop Pty Ltd ABN 16 160 656 431
G13/25 Solent Circuit, NORWEST NSW 2153
Tel: 02 8123 0170 • Fax: 02 8123 0171
Email: enquiries@ozcrop.com.au
www.ozcrop.com.au

DIRECTIONS FOR USE:**Restrictions**

DO NOT mix with oils, fertilisers or other pesticides, except where indicated.

DO NOT apply when crops or weeds under stressed conditions.

DO NOT apply as a post-emergent treatment to hard-to-kill weeds when rainfall is expected within 6 hours.

| CROP | WEEDS CONTROLLED | WEED STAGE | RATE | CRITICAL COMMENTS. |
|--|--|--------------------------------------|--|---|
| Adzuki Beans (<i>Vigna angularis</i>) (All States) | Apple of Peru, Turnip Weed, Wild Radish | Cotyledon to 2 true leaves | 1.0L/ha | Apply thorough coverage to young actively growing weeds. |
| | | 2 to 6 true leaves | 1.5L/ha | |
| Mung beans (Qld only) | Prince of Wales Feather, Redshank, Thornapple | Cotyledon to 2 true leaves | 2.0L/ha | |
| | | 2 to 6 true leaves | 1.0L/ha | |
| Peanuts (Qld, WA only) | Pigweed | Cotyledon to 50mm diameter | | |
| | | 50 to 100mm diameter | 1.5L/ha | |
| Soybeans (Qld, NSW, WA only) | Annual Ground Cherry, Wild Gooseberry | Cotyledon to 4 true leaves | 1.0L/ha | |
| | | 4 to 8 true leaves | 1.5L/ha | |
| | | 8 leaves to 200mm high | 2.0L/ha | |
| | Blackberry nightshade, Bladder ketmia, Capeweed, Fumitory, Noogoora burr | Cotyledon to 4 true leaves | | |
| | Bellvine | 2 to 4 true leaves | 1.5L/ha | |
| | | 4 to 6 true leaves | 2.0L/ha | |
| | Giant Pigweed | Cotyledon to 2 true leaves | | |
| | Jute | Cotyledon to 4 true leaves | 1.5L/ha | |
| | | 4 to 6 true leaves | 2.0L/ha | |
| | Sesbania | Cotyledon to 200mm high | | |
| Mung Beans (NSW only) | Bladder ketmia, Noogoora burr | Cotyledon to 4 true leaves | | |
| Mung Beans (Qld, NSW only) | See weeds above | Apply at the weed stage listed above | 1.0L/ha + Hasten at 1L/100L water (1% v/v) | DO NOT exceed 1L/ha OzCrop Acifluorfen 224 Herbicide with this mixture. |
| Green Beans (All States) | Prince of Wales Feather (<i>Amaranthus powellii</i>) | 2 to 4 leaf stage | 250 to 500mL/ha | Do not exceed 2L of product per hectare per season. Apply up to 3 times by boomspray. <ul style="list-style-type: none"> • After the fully expanded unifoliate leaf stage of the crop. • When crop is at 6 to 7 leaf stage and/or when the crop is at early flowering stage. See application section below. |

| CROP | WEEDS CONTROLLED | WEED STAGE | RATE | CRITICAL COMMENTS. |
|--|---|----------------------------|---|--|
| Peanuts (Qld only) | Bellvine | 2 to 6 true leaves | 1 L/ha OzCrop Acifluorfen 224 Herbicide plus 1 to 1.5L of 400 g/L formulation of 2,4-DB/ha | Apply with thorough coverage as a tank mix to young actively growing weeds. Use the higher rate of 2,4-DB where larger weeds are present. The mixture will give additional control of larger weeds than given by OzCrop Acifluorfen 224 Herbicide alone. |
| | Noogoora burr | Cotyledon to 6 true leaves | | |
| Seed crops of Siratro and Common Fine Stem Stylo (<i>Stylosanthes gulanensis</i> only) (Qld only) | Billy goat weed, Gambia pea, Glycine, Greenleaved Desmodium, Five-leaved cassia | Cotyledon to 4 true leaves | 2.0L/ha | Apply with thorough coverage to young actively growing weeds. DO NOT use on other stylos. |

NOTE: Treatment of weeds larger than those listed is not recommended because control may be incomplete due to increased weed tolerance and poor spray coverage. However, in a crop salvage situation, OzCrop Acifluorfen 224 Herbicide may be used at dosages up to 4 L/ha, providing the application is not made within 50 days of harvest.

PRE-EMERGENCE TREATMENT: Soybeans and peanuts only. NOT recommended for mung beans.

| CROP | WEEDS CONTROLLED | RATE | CRITICAL COMMENTS. |
|--|--|---------|--|
| Peanuts, Soybeans (Qld, WA only) | Apple of Peru, Black Bindweed, Blackberry Nightshade, Fat Hen, Fumitory, Jute, Narrow Leaf Plantain, Noogoora Burr, Pigweed, Potato Weed, Redshank, Scarlet Pimpernel, Turnip Weed, Wild Gooseberry, Wild Radish | 3.0L/ha | Apply as a broadcast spray after sowing but before the crops and weeds emerge. Applications should be made to well prepared, code free soil of relatively fine tilth. Mechanical soil incorporation is not recommended as this reduces the activity of OzCrop Acifluorfen 224 Herbicide. |
| | Annual Ground Cherry, Barnyard Grass, Bladder Ketmia, Liverseed Grass, Mossman River Grass | 4.0L/ha | |

NOT TO BE USED FOR ANY PURPOSE OR IN ANY MANNER CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

WITHHOLDING PERIODS

GREEN BEANS, ADZUKI BEANS: DO NOT HARVEST FOR 28 DAYS AFTER APPLICATION

CROP SALVAGE SITUATION WHEN OZCROP ACIFLUORFEN 224 HERBICIDE IS USED UP TO 4L/HA: DO NOT HARVEST FOR 50 DAYS AFTER APPLICATION

RESISTANT WEEDS WARNING

OzCrop Acifluorfen 224 Herbicide is a member of the diphenyl ether group of herbicides. OzCrop Acifluorfen 224 Herbicide has the protoporphyrinogen oxidase mode of action. For weed resistance management OzCrop Acifluorfen 224 Herbicide is a Group 14 herbicide. Some naturally occurring weed biotypes resistant to OzCrop Acifluorfen 224 Herbicide and other Group 14 herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by OzCrop Acifluorfen 224 Herbicide or other Group G herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use OzCrop Pty Ltd accepts no liability for any losses that may result from the failure of OzCrop Acifluorfen 224 Herbicide to control resistant weeds.

GROUP 14 HERBICIDE

GENERAL INSTRUCTIONS

MIXING

OzCrop Acifluorfen 224 Herbicide mixes readily with water. Fill the spray tank about two thirds full with water and add the required amount of OzCrop Acifluorfen 224 Herbicide. Fill the spray tank and mix. Maintain sufficient agitation during mixing and spraying to ensure a uniform spray mixture.

USE OF SURFACTANT

The use of a low foam, non-ionic surfactant at the labelled rate should be used for maximum weed control. The surfactant should be added to the spray mixture after adding the required amount of OzCrop Acifluorfen 224 Herbicide.

USE OF CROP OIL ADJUVANTS

OzCrop Acifluorfen 224 Herbicide may be applied to mung beans at the reduced rate of 1L/ha in combination with Hasten at 1L/100L (1%). The adjuvant should be added to the spray mixture after adding the required amount of OzCrop Acifluorfen 224 Herbicide. Use of this mixture may increase phytotoxicity, however plants will soon recover and yield will be unaffected.

APPLICATION

OzCrop Acifluorfen 224 Herbicide may be applied by ground equipment using standard low pressure herbicide sprayers, equipped with hollow cone or flat fan nozzles. The spray equipment should be calibrated to deliver between 100 and 300 litres of spray mixture per hectare at a pressure of 250 to 350kPa at the nozzle tips.

OzCrop Acifluorfen 224 Herbicide may be applied as a banded treatment directly over the crop row. When this method of application is used, it is important that the spray equipment be calibrated to give the correct dosage per sprayed hectare, and that the spray pattern gives maximum coverage of the weed foliage present. Before using OzCrop Acifluorfen 224 Herbicide it is important to check that the equipment is clean and that all materials from previous uses are completely flushed from the system.

AERIAL APPLICATION (QLD only)

OzCrop Acifluorfen 224 Herbicide can be applied from a fixed wing aircraft or helicopter using a minimum of 48 litres of spray per hectare. Nozzles on spray booms should not be placed any closer to wingtips than three quarters of the wingspan, this will minimise the formation of spray or wing tip vortices roll. A spraying height of 2 to 3 metres over the crop is recommended. Swirl jet or hollow cone nozzles are suggested. Keep pressures below 275kPa. Nozzles should point to the rear of the aircraft and not be pointed downward more than 20 degrees.

DO NOT USE MICRONAIR EQUIPMENT FOR OZCROP ACIFLUORFEN 224 HERBICIDE APPLICATION

GREEN BEAN CROPS

Early application is important. Treatment later than the recommended weed growth stage may result in inadequate control of Prince of Wales feather (*Amaranthus powellii*). The application of OzCrop Acifluorfen 224 Herbicide may cause some crop phytotoxicity eg, some tip burning and stunting. The beans usually grow out of this, though they may remain about 10cm shorter than unsprayed beans. This does not appear to reduce yield. It is recommended that growers consult an experienced field agronomist prior to using this product. Additionally, it is recommended to apply in the evening if possible. Increased phytotoxicity may occur under warm humid conditions. A non-ionic wetting agent may be added at 1.0% v/v. Thorough coverage is essential. Do not apply early than fully expanded unifoliate stage, to target *Amaranthus*, which is greater than the two-leaf stage. Multiple applications should only be used if necessary to treat the weed production.

PRE-EMERGENCE TREATMENTS

Best results are obtained when the crop and weeds are free from moisture and temperature stress, and when the relative humidity is around 65% or higher. DO NOT apply OzCrop Acifluorfen 224 Herbicide if soil temperature is below 15°C or air temperature below 20°C. Crop damage will also be increased when OzCrop Acifluorfen 224 Herbicide is applied when air temperatures are above 30°C.

Since it is important that the maximum possible weed coverage is obtained, application should be made before the crop canopy shields the weeds from spray contact but after the maximum number of weed seedlings have emerged. This will usually occur between the 2nd and 5th trifoliate stages of the crop, about one month after sowing. Thorough coverage is essential for optimum weed control.

After treatment, soybean leaves may exhibit leaf cupping, crinkling and specking, particularly on the youngest leaves present at time of application. Soybeans recover from this injury and continue growing at a normal rate with no adverse effect on crop yield.

COMPATIBILITY

OzCrop Acifluorfen 224 Herbicide is compatible with BASAGRAN, haloxyfop 520, fluazifop-P, Clethodim, sethoxydim.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply under weather conditions, or from spraying equipment, which could be expected to cause to spray to drift onto nearby susceptible plants/crops, cropping lands or pastures. Wash sprayer thoroughly after use.

PROTECTION OF WILDLIFE, FISH CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or waterways with this product or the used containers. DO NOT apply when weather conditions favour run-off or drift from areas treated.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT re-use container for any other purpose. DO NOT burn empty containers or product.

SAFETY DIRECTIONS

Will damage the eyes. May irritate the skin. Avoid contact with eyes and skin. When opening the container and preparing spray, wear elbow length chemical resistant gloves and face shield or goggles. If product on skin, immediately wash area with soap and water. Wash hands after use. After each day's use, wash gloves and face shield or goggles.

Safe Work Australia:

Causes skin irritation. Causes serious eye damage. Suspected of causing cancer. Toxic to aquatic life with long lasting effects. Obtain special instructions before use. Wear protective gloves, protective clothing, eye protection and face protection. Avoid release to the environment. Wash all exposed external body areas thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/attention Immediately call a POISON CENTER/doctor/physician/first aider. Collect spillage. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet, which can be obtained from the supplier.

MANUFACTURERS WARRANTY AND EXCLUSION OF LIABILITY

OzCrop Pty Ltd has no control over storage, handling and manner of use of this product. Where this material is not stored, handled or used correctly and in accordance with directions, no express or implied representations or warranties concerning this product (other than non-excludable statutory warranties) will apply. OzCrop Pty Ltd accepts no responsibility for any loss arising from incorrect storage, handling or use.

In case of emergency: Phone 000, Police or Fire Brigade



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Telephone: (02) 8123 0170 • Facsimile: (02) 8123 0171

Email: enquiries@ozcrop.com.au

visit our website www.ozcrop.com.au

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