

**Infopest verifies that this label is consistent with the NRA
Approved Text Label of 4/3/99**

CAUTION

**KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING**

FLAME* 700 WDG HERBICIDE

Active constituent: 700g/kg IMAZAPIC

GROUP	B	HERBICIDE
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For the pre-emergence control of certain annual grass and broadleaf weeds in fallow situations and sugarcane as specified in the DIRECTIONS FOR USE section of this label.



04	CYANAMID AGRICULTURE PTY. LIMITED
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99	

2.5; 5.0kg

* Registered trademark of American Cyanamid Company

DIRECTIONS FOR USE:

RESTRAINTS:

Do NOT apply to soils saturated with water.

Do NOT apply by aircraft.

SITUATION	WEEDS CONTROLLED	STATE	RATE g/ha	CRITICAL COMMENTS
<p>Fallow prior to planting wheat, barley or chickpea</p>	<p>Barnyard grass (<i>Echinochloa colona</i>), liverseed grass (<i>Urochloa panicoides</i>), stink grass (<i>Eragrostis cilianensis</i>), blowaway grass (<i>Panicum decompositum</i>), button grass (<i>Dactyloctenium radulans</i>), pigweed (<i>Portulaca oleracea</i>), yellow vine (<i>Tribulus terrestris</i>), mintweed (<i>Salvia reflexa</i>), Boggabri weed (<i>Amaranthus mitchelli</i>), dwarf amaranth (<i>Amaranthus macrocarpus</i>), peachvine/cowvine (<i>Ipomea lonchophylla</i>)</p>	<p>Qld, Nthn NSW.</p>	<p>50 to 70</p>	<p>Treatments may be applied from the end of the previous crop harvest but not less than 4 months prior to planting of winter crop.</p> <p>Best results are obtained where treatments are applied to dry, weed-free soil prior to weed germination. Treatments can be applied to standing crop residues.</p> <p>Sufficient rainfall is required after application and prior to weed emergence to wet soil to a depth of 5 cm.</p> <p>Use the higher rates for increased residual control of weeds or anticipated high weed pressure</p> <p>Emerged weeds must be controlled by prior cultivation, or by application of a knockdown herbicide. Where infestation of emerged weeds is light, tank mix treatment with glyphosate.</p> <p>Cultivation following application of treatments may reduce pre-emergence weed control provided by FLAME.</p> <p>Prolonged wet soil conditions following treatment will reduce the effective life of pre-emergence treatments.</p> <p>Weed escapes may require follow up application of knockdown herbicides.</p> <p>Do NOT apply more than 70g/ha per season on cropland.</p> <p>Do NOT apply in more than two successive seasons on cropland.</p> <p>Do NOT overspray headlands.</p>

SITUATION	WEEDS CONTROLLED	STATE	RATE g/ha	CRITICAL COMMENTS
Sugarcane (Pre-emergence to variety Q124 only)	Cobbler's peg (<i>Bidens pilosa</i>), common sida (<i>Sida rhombifolia</i>), glossy nightshade (<i>Solanum americanum</i>), green amaranth (<i>Amaranthus viridis</i>), green summer grass (<i>Brachiaria subquadripara</i>), <i>Ipomoea</i> spp, milkweed (Mexican fire plant) (<i>Euphorbia heterophylla</i>), summer grass (<i>Digitaria ciliaris</i>)	Qld, NSW and WA only	140g	<p>Do NOT apply to emerged sugarcane as damage may result.</p> <p>PLANT CANE: Apply after planting and before emergence of the sugarcane.</p> <p>RATOON: Apply after harvest and before new cane growth appears.</p> <p>Heavy trash layers may prevent the product from reaching the soil.</p> <p>Apply to weed-free soil prior to weed germination. Sufficient rainfall, or overhead irrigation, is required after application and prior to weed emergence to wet soil to a depth of 5 cm.</p> <p>Emerged weeds must be controlled by prior cultivation, or application of an appropriate herbicide.</p> <p>Cultivation following application of treatments may reduce pre-emergence weed control provided by FLAME.</p> <p>Heavy rain immediately after application may concentrate FLAME in the furrow and cause temporary yellowing of cane leaves.</p> <p>Prolonged wet soil conditions following treatment will reduce the effective period of weed control.</p> <p>Weed escapes may require follow up application of an appropriate herbicide.</p>

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

WITHHOLDING PERIOD:

WHEAT, BARLEY, CHICKPEA STUBBLE:
DO NOT GRAZE TREATED STUBBLE OR WEEDS WITHIN 5 WEEKS AFTER TREATMENT.

SUGARCANE:
NOT REQUIRED WHEN USED AS DIRECTED.

GENERAL INSTRUCTIONS

Fallow application:

This product is for use in fallow prior to the planting of wheat, barley or chickpea. FLAME is a pre-emergence herbicide which is recommended to provide short term (6 - 12 weeks) pre-emergence control of summer germinating grasses and broadleaf weeds in cultivated or uncultivated fallow.

Sugarcane application:

FLAME should be applied to plant or ratoon cane before the cane has emerged. If emerged weeds are present, FLAME should be mixed with an appropriate knockdown herbicide.

MIXING

FLAME 700 is a water dispersible granule formulation. Part fill the spray tank with water, then with agitator running, add the required amount of product, then fill the tank with water. When tank mixing this product with other recommended compatible products, first add the other product to the tank and mix thoroughly before adding this product.

No adjuvants or surfactants are required when FLAME is used alone for pre-emergence weed control.

APPLICATION

Do NOT apply by aircraft.

Fallow application:

For ground application only: Apply with boom equipment in not less than 50 L water /ha using flat fan nozzles. Avoid overlap and do not overspray headlands.

Sugarcane: Ensure thorough coverage of soil with well-calibrated spray equipment. Apply in 50 to 200L water /ha.

EQUIPMENT CLEAN-UP

Thoroughly flush all spray equipment with water following the use of FLAME and before use with other products.

COMPATIBILITY

FLAME is compatible with glyphosate, paraquat, Ally[®], Garlon[®] and Touchdown[®]. It is NOT compatible with dicamba or Lontrel[®].

RESISTANT WEEDS WARNING

GROUP	B	HERBICIDE
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FLAME Herbicide is a member of the Imidazolinone group of herbicides. The product has the inhibitors-of-acetolactate-synthase (ALS) mode of action. For weed resistance management, the product is a Group B herbicide.

Some naturally-occurring weed biotypes resistant to the product and other ALS 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 this product or other ALS herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Cyanamid Agriculture Pty Limited accepts no liability for any losses that may result from failure of this product to control resistant weeds.

FOLLOW CROPS

Under conditions which do not favour breakdown of this product, carry-over soil residues can affect susceptible follow crops. As environmental and agronomic factors make it impossible to eliminate all risks associated with this product, rotational crop injury is always possible. The following minimum re-cropping intervals (months after application) should be observed.

Following use in summer fallow:-

MONTHS AFTER APPLICATION			
4	12	24	36
wheat*, barley*, chickpea, peanuts	mungbean, lucerne	sorghum, cotton, sunflower	any other crops

* The following additional requirements apply if it is intended to plant wheat or barley during the next winter season.

Do NOT apply FLAME in fallow later than the end of December.

Do NOT apply FLAME in areas where rainfall from spraying to sowing of cereals is expected to be below 200 mm.

Following use in sugarcane:-

Observe the minimum re-cropping intervals listed above under summer fallow.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

Do NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures.

Do NOT spray within 50 m of wetlands or waterways.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Do NOT contaminate streams, rivers or waterways with the chemical or used containers.

STORAGE AND DISPOSAL

Store in the closed, original container, in a dry, cool, well-ventilated area.

Do NOT store for prolonged periods in direct sunlight.

Triple or preferably pressure 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 bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots. Empty containers and product should NOT be burnt.

SAFETY DIRECTIONS

Will irritate the eyes and skin. Avoid contact with eyes and skin. When opening the container and preparing spray, wear elbow-length PVC gloves and face shield or goggles. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves and face shield or goggles.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre.
Telephone 131126 Australia-wide.

MSDS

Additional information is listed in the Material Safety Data Sheet.

WARRANTY

This product is designed only to be used in accordance with the label directions which reflect the opinion of experts based on field use and tests. If it is so used, Cyanamid Agriculture Pty. Limited warrants its effectiveness, but takes no responsibility whatsoever for the consequences of the user failing to follow these directions exactly.

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THIS PRODUCT IS NOT CONSIDERED TO BE A DANGEROUS GOOD UNDER THE AUSTRALIAN CODE FOR THE TRANSPORT OF DANGEROUS GOODS BY ROAD AND RAIL.

FOR SPECIALIST
ADVICE IN AN
EMERGENCY ONLY

PHONE
1 800 033 111

TOLL FREE - ALL HOURS -
AUSTRALIA WIDE

PRODUCT NO:

BATCH NO:

DATE OF MANUFACTURE:

NRA APPROVAL NO.: 48686/0299