

Product Name: IMTRADE EFFIGY 900 WG HERBICIDE
APVMA Approval No: 86841/116707



Label Name:	IMTRADE EFFIGY 900 WG HERBICIDE
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Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Constituent Statements:	ACTIVE CONSTITUENTS: 600g/kg TERBUTHYLAZINE 300g/kg PROPYZAMIDE
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Mode of Action:	GROUP C D HERBICIDE
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Statement of Claims:	For the control and suppression of various annual grass and broadleaved weeds in Triazine Tolerant (TT) Canola and various Pulses as specified in the Directions for Use table.
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Net Contents:	10kg - 15kg
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Restraints:	
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Directions for Use:	This section contains file attachment.
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Other Limitations:	
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Withholding Periods:	HARVEST: NOT REQUIRED WHEN USED AS DIRECTED. GRAZING: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 12 WEEKS AFTER APPLICATION.
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Trade Advice:	
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General Instructions:	This section contains file attachment.
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Resistance Warning:	<p>Imtrade Effigy 900 WG Herbicide incorporates terbuthylazine, a member of the triazine group of herbicides with the inhibitor of photosynthesis at photosystem II mode of action, and propyzamide, a benzamide herbicide with the inhibitor of microtubule assembly mode of action. For weed resistance management this is a Group C and Group D Herbicide. Some naturally occurring weed biotypes resistant to Imtrade Effigy 900 WG Herbicide and Group C and Group D 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 Imtrade Effigy 900 WG Herbicide or Group C and Group D Herbicides.</p> <p>Since the occurrence of resistant weeds is difficult to detect prior to use, Imtrade accepts no liability for any losses that may result from the failure of Imtrade Effigy 900 WG Herbicide to control the resistant weeds.</p>
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	Advice as to strategies and alternative treatments that can be used should be obtained from your local supplier, consultant, local Department of Agriculture, Primary Industries Department or Imtrade representative.
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Precautions:	RE-ENTRY PERIOD DO NOT allow entry into treated areas until spray has dried. If prior entry is necessary, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.
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Protections:	PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers. PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS DO NOT apply or drain or flush equipment on or near desirable trees or other plants or on areas where their roots may extend or in locations where the chemical may be washed or moved into contact with their roots.
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CROP ROTATION RECOMMENDATIONS

Imtrade Effigy 900 WG Herbicide is predominantly broken down in the soil through microbial degradation. Microbial activity is typically favoured by moist and warm aerobic soils. Minimum re-cropping intervals for Imtrade Effigy 900 WG Herbicide have been recommended to minimise the risk of damage to rotational crops (see table below). However, considerable variations in environmental, edaphic and agronomic factors affecting the soil microbial activity, mean that it is not possible to absolutely eliminate all risks and potential for damage to following crops.

Crop	Re-cropping Interval Recommendation
Cereals (Wheat, Barley, Oats and Triticale)	9 months ^
Canola, Winter Grain Legumes (including Lentils, Lupins, Chickpeas, Faba Bean and Field Peas)	Can be sown into soil treated with Imtrade Effigy 900 WG Herbicide in a failed crop scenario, however Imtrade Effigy 900 WG Herbicide (or any other propyzamide products) should not be applied prior to sowing the replacement crop (i.e. twice in one growing season).

^Provided there has been sufficient rainfall (estimated >250mm) over summer to support microbial activity and degradation of Imtrade Effigy 900 WG Herbicide. Conditions that aren't conducive to adequate soil microbial degradation may result in extended re-cropping intervals.

For advice on crops and situations not mentioned above, contact Imtrade Australia Pty Ltd.

Storage and Disposal:	<p>All other containers Store in the closed, original container in a dry, cool, well-ventilated area, out of 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 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 burn empty containers or product.</p> <p>Bags Store in the closed, original container in a dry, cool, well-ventilated area, out of direct sunlight. Single-rinse or shake remainder into spray tank. Do not dispose of undiluted chemicals on site. Puncture and deliver empty packaging 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 burn empty containers or product.</p>
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Safety Directions:	<p>Harmful if swallowed. Will irritate the eyes. Avoid contact with eyes. DO NOT inhale dust. When opening the container and preparing product for use wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length chemical-resistant gloves and face shield or goggles. If applying by boomspray equipment (open cab) wear cotton overalls buttoned to the neck and wrist (or equivalent clothing). If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves, face shield or goggles and contaminated clothing.</p>
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First Aid Instructions:	<p>If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766).</p>
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First Aid Warnings:	
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RESTRAINTS

DO NOT apply with aircraft.

DO NOT apply if heavy rains or storms are forecast within 3 days.

DO NOT irrigate to the point of runoff for at least 3 days after application.

DO NOT apply to the fields where slope exceeds 3%.

DO NOT apply to waterlogged soil.

DO NOT use or apply this product post-emergence on raised based or where furrows have been created in soil for the purpose of holding or channelling water.

DO NOT use in channels or drains.

DO NOT apply on sites where surface water from heavy rain can be expected to run off to areas containing, or to be planted with susceptible crops or plants.

SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift
DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The buffer zones in the relevant buffer zone table/s below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

DO NOT apply by a boom sprayer unless the following requirements are met:

- Spray droplets not smaller than a **COARSE** spray droplet size category.
- Minimum distances between the application site and downwind sensitive areas (see 'Mandatory downwind buffer zones' section of the following table titled 'Buffer zones for boom sprayers') are observed.

Buffer zones for boom sprayers

Application rate	Mandatory downwind buffer zones	
	Natural aquatic areas	Vegetation areas
Up to 1.75kg/ha	25 meters	140 meters

Crops	Situation	Weeds	Rate	Critical Comments
<p>Canola (TT or Triazine Tolerant varieties only)</p> <p>Chickpeas, Faba Beans, Field Peas, Lentils, Lupins</p>	Incorporated By Sowing (IBS)	<p>Control of: Annual Ryegrass, Barley Grass, Canary Grass, Deadnettle, Fescue, Fumitory, Prairie Grass, Rat's Tail Fescue, Silver Grass, Sorrel, Squirrel Tail, Wild Oats, Winter Grass</p> <p>Suppression of: Doublegee/Spiny Emex, Volunteer Wheat, Wild Radish</p>	1.25 to 1.75kg/ha	<p>Product must be used IBS. Refer to the APPLICATION section of this leaflet. Use the lower rate on light soils (sandy loams to loamy sands) and the higher rate on heavier soils (loams, silt plus clay 40-60%). The soil should be free of excessive clods, trash and deep furrows. Sufficient rainfall (20 to 30mm) to wet the soil through the weed root zone is necessary within 2 to 3 weeks of application.</p> <p>NOTE: Some early crop phytotoxicity may be observed particularly on light soils. Heavy, intense rainfall following application may cause crop damage. At the higher rates, avoid overlapping sprays and spraying-out corners.</p> <p>Chickpeas, Faba Beans, Field Peas, Lupins</p> <p>Ensure the crop is sown at 5cm. DO NOT use rates higher than 1.25 kg/ha on soils with a pH of 8 or above as unacceptable crop damage may occur. Refer to the APPLICATION section of the label.</p> <p>Lentils</p> <p>Lentils are more sensitive to Imtrade Effigy 900 WG Herbicide than other pulse crops. DO NOT use on light soils (ie, sandy loams to loamy sands less than 40% clay). Crop must be sown at least 5 cm deep. Refer to the APPLICATION section of the label.</p>

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

GENERAL INSTRUCTIONS

Product can be used pre-emergent to selectively control weeds in the crops listed in the Directions for Use table. Duration and effectiveness of control depends on the amount of chemical applied, soil type, rainfall, weed species and other conditions. Best results are achieved if the product is applied to bare moist soil. Since the product mainly enters weeds through root absorption, sufficient moisture (either rainfall or irrigation) is required to move the product into the root zone of weeds to make the product effective. Delay in activation of this product may result in some weed growth. Results can be variable if seasonal conditions are dry prior to sowing and crops are sown into a dry or low moisture seedbed. Dense weed populations and multiple germinations (especially Wild Radish) may require post emergent herbicide treatment to give acceptable control. Weeds buried by cultivation may not be effectively controlled. Heavy rainfall on light soils may cause movement of the herbicide out of the weed seed zone, resulting in reduced weed control.

Imtrade Effigy 900 WG Herbicide is primarily incorporated by rainfall. Sufficient rainfall (20 to 30mm wither as rainfall or irrigation) to wet the soil through the weed root zone is necessary within 2 to 3 weeks of application to make the product effective. Weeds may germinate and emerge before being controlled by Imtrade Effigy 900 WG Herbicide, however a delay in rainfall for an extended period may result in weeds germinating from depth and surviving.

Caution: The potential for Canola seedling damage may occur on:

- light soils with low organic matter if heavy rainfall follows sowing,
- dry sown canola crops treated with Imtrade Effigy 900 WG Herbicide after heavy rain events.

INTEGRATED WEED MANAGEMENT STRATEGY FOR TT CANOLA

The use of this product in TT canola is subject to the currently approved Integrated Weed Management Strategy for the use of triazine herbicides in TT canola. The *Strategy* encompasses: Integrated Weed Management, the specific management of crop plant volunteers and outcrossing to other plants; and triazine herbicide residue management (agronomic and environment).

Compliance with registered label directions and adoption of the principles outlined in the Strategy will assist with implementation of crop management practices that minimize the development of herbicide resistance in treated weeds; reduce the levels of triazine residues in the environment; and manage volunteer plants and outcrossing. Copies of the Strategy are available from Imtrade Australia Pty Ltd.

Where specific information and farm management assessment is required to assist with with application of *Integrated Weed Management* programs on-farm, particularly in adapting strategies to local conditions, then specific expert advice should be obtained from an appropriate agronomist, consultant, chemical supplier or Departmental advisor.

To minimise herbicide resistance:

- Avoid dry sowing in heavily weed infested paddocks. Wait for a weed germination after the opening rains in weedy paddocks. Use a pre-plant knockdown or cultivation. No weeds should be allowed to survive at this stage.
- **DO NOT** use product if the area to be treated had a triazine herbicide applied to it last season.
- Watch for escapes, especially in paddocks with a long history of Group C Herbicide use.
- **DO NOT** use Group C Herbicides in consecutive years.

Resistant Weeds Reporting

Growers should collect plant or seed samples where weeds that are normally susceptible to Atrazine, Simazine and Terbutylazine may be resistant, get them tested and seek professional advice.

MIXING

DO NOT mix or load within 20m of any well, dam, intermittent or perennial stream. Partially fill the spray tank with water and maintain agitation while adding the required quantity of product. Agitation should continue after filling and during spraying. If spray is allowed to stand, agitate thoroughly before resuming spraying.

Spray Preparation

Imtrade Effigy 900 WG Herbicide is a Water Dispersible Granule formulation to be blended with water and applied as a spray. Granule formulations are designed to be added to large volumes of water and dispersed slowly under agitation. When using larger boomsprays and unable to add granules directly to a large volume in the tank via the top of the boomspray, pre-mixing may be necessary as follows:

- Partly (30%) fill the boomspray tank with water.
- Slowly add required amount of Imtrade Effigy 900 WG Herbicide for the area to be sprayed into Granni Pot® or other pre-mixing vessel while agitating well.
- Ensure high water volumes and **DO NOT** add to the spray tank until the pre-mix is fully dissolved. This may take several mixes to ensure the correct amount is added to the boomspray tank.
- Add the pre-mixed Imtrade Effigy 900 WG Herbicide into the boomspray tank with the agitation system operating.
- Fill up to the correct volume with water.
- The mixture must be kept in suspension at all times by continuous agitation.
- Tank-mixtures should be tested for physical compatibility and efficacy before use.

DO NOT mix with MCPA. If tank mixing, Imtrade Effigy 900 WG Herbicide must be in suspension before adding other herbicides, insecticides or surfactants. Wash sprayer thoroughly after use.

APPLICATION

Incorporation By Sowing (IBS)

Product can be applied up to a week before sowing. For best results apply to moist soil immediately before sowing and incorporate with a combine or air-seeder which provides full soil disturbance to incorporate the product evenly. Ensure the crop is sown at 3-5cm. Where the crop is sown with minimum-tillage sowing equipment (fitted with knife points or blades less than 12mm wide and generally placed on 20cm tyne spacing) poor weed control may result in the furrows. For crop safety, maintain slow to moderate speed to avoid leaving deep furrows and avoid throwing soil into adjacent furrows.

Ensure complete and uniform spray coverage on soil. Spray coverage may be compromised where application is made to a ridged or excessively cloddy soil surface or where cover of crop or weed residues restrict contact with the soil surface. Reduced effectiveness may occur where there is either reduced contact of the herbicide with the soil surface.

High stubble loadings or ash from a recently burnt paddock can lead to poor soil contact. Results may be unsatisfactory if ground cover from stubble exceeds 50%.

Standing stubble will cause less efficacy loss compared to stubble that has been dropped to the ground via mechanical means or grazing. It is best to delay application to recently burnt paddocks or windrows until rainfall occurs to disturb the layer of ash. Imtrade Effigy 900 WG Herbicide binds to ash stronger than it does to stubble (ash is free carbon).

Sowing with disc seeders may lead to unacceptable crop damage due to shallow, uneven seeding depth and treated soil com contact with seeds.

COMPATIBILITY

It is advisable that a small scale compatibility test be carried out prior to tank mixing with other products.