

CAUTION

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

IMAZETHAPYR

700 WG HERBICIDE

ACTIVE CONSTITUENT:
700g/kg IMAZETHAPYR

GROUP **B** HERBICIDE

For the pre- or post-emergence control of certain weeds in Centrosema (Cavalcade), chickpeas, faba beans, field peas, lucerne, mung beans, peanuts, serradella and soybeans as per the Directions For Use

IMPORTANT: READ THIS LEAFLET BEFORE USE

RELYON

APVMA Approval No.
82942/126082

DIRECTIONS FOR USE**RESTRAINTS**

DO NOT apply to very wet soils if rain is imminent or to soils prone to waterlogging.

DO NOT apply to soils of very high organic matter content.

DO NOT apply to crops or weeds under stress caused by factors such as root or foliar diseases, nutrient deficiencies, or extremes of temperature or moisture.

CROP	WEEDS CONTROLLED	STATE
PRE-EMERGENCE Chickpeas	Deadnettle (<i>Lamium amplexicaule</i>) Indian hedge mustard (<i>Sisymbrium orientale</i>) White ironweed (<i>Buglossoides arvensis</i>) Wild radish (<i>Raphanus raphanistrum</i>) Wireweed (<i>Polygonum aviculare</i>)	VIC, SA only

RATE per ha	CRITICAL COMMENTS
45 g plus 1.0 to 1.5 L Flowable Simazine Liquid (500 g/L)	Apply to moist, well prepared, clod and weed-free soil after planting and before crop emergence. Sufficient rainfall is required after application and prior to weed emergence to wet soil to a depth of 5cm. Use the higher rate of simazine on heavier soils, or where higher weed pressure is expected, or where wireweed is a problem. Under adverse conditions, weeds may not be totally controlled but populations will be significantly reduced and surviving plants will generally be severely retarded. Good crop growth will aid weed control. Transient yellowing or reddening of the crop may occur. The risk of crop injury may be increased under adverse growing conditions. DO NOT use this mixture on soils, and in areas, ill suited to growing chickpeas, as crop injury will be increased.

CROP	WEEDS CONTROLLED	STATE
PRE-EMERGENCE Faba Beans Field Peas	Indian hedge mustard (<i>Sisymbrium orientale</i>), Shepherd's purse (<i>Capsella bursa-pastoris</i>), Stinging nettle (<i>Urtica urens</i>) (NSW, VIC only), Toadrush (<i>Juncus bufonius</i>), Turnip weed (<i>Rapistrum rugosum</i>), * Deadnettle (<i>Lamium amplexicaule</i>), * Doublegee (<i>Emex australis</i>), * Paterson's curse (<i>Echium plantagineum</i>), * Wireweed (<i>Polygonum aviculare</i>), ** Wild oats (<i>Avena fatua</i>)	NSW, VIC, SA, WA only
	* Wild radish (<i>Raphanus raphanistrum</i>), ** Annual ryegrass (<i>Lolium rigidum</i>), ** Barley grass (<i>Hordeum leporinum</i>)	NSW, WA only
	Storksbill (<i>Erodium</i> spp.)	SA, WA only
	Mouse-ear chickweed (<i>Cerastium glomeratum</i>), * Capeweed (<i>Arctotheca calendula</i>), * Prickly lettuce (<i>Lactuca serriola</i>), * Yellow burrweed (<i>Amsinckia intermedia</i>)	NSW only
	* Ivy leaf speedwell (<i>Veronica hederifolia</i>), *** Bifora (<i>Bifora testiculata</i>)	SA only
	* Threehorn bedstraw (<i>Galium tricornutum</i>), * Wild radish (<i>Raphanus raphanistrum</i>), * Yellow burrweed (<i>Amsinckia intermedia</i>)	VIC, SA only
	* Lesser loosestrife (<i>Lythrum hyssopifolia</i>), * Prickly lettuce (<i>Lactuca serriola</i>), ** Annual ryegrass (<i>Lolium rigidum</i>), ** Barley grass (<i>Hordeum leporinum</i>)	

RATE per ha	CRITICAL COMMENTS
70 g	Apply to moist, well prepared, clod and weed-free soil after planting and before crop emergence. Sufficient rainfall is required after application and prior to weed emergence to wet soil to a depth of 5cm. Under adverse conditions, weeds may not be totally controlled but populations will be significantly reduced, and surviving plants will generally be severely retarded. Good crop growth will aid weed control. * Surviving plants will generally be retarded and will not compete with the crop. A follow-up spray with another product may be required for control of wild radish under high weed pressure or high rainfall conditions. ** Competition from grass weeds will be significantly reduced for at least 8 weeks. A post-emergence grass herbicide application may be required.
70 to 100 g	(Refer to COMPATIBILITY section of label). *** Populations will not be reduced but plants will generally be significantly stunted. Seed set will also be reduced. Use the higher rates under anticipated high weed pressure and in high winter rainfall areas. DO NOT use on faba beans on light, sandy soils. On alkaline soils, the risk of crop damage to faba beans may be increased under adverse growth conditions.
100 g	Refer to the CROP SAFETY and FOLLOW CROP sections of this label regarding varietal selectivity and follow crops.

CROP	WEEDS CONTROLLED	STATE
POST-EMERGENCE Field Peas (Following Varieties Only: Alma, Dun, Dundale, Early Dun, Wirrega)	Deadnettle (<i>Lamium amplexicaule</i>), Hare's ear (<i>Conringia orientalis</i>), Indian hedge mustard (<i>Sisymbrium orientale</i>), Toadrush (<i>Juncus bufonius</i>), * Wireweed (<i>Polygonum aviculare</i>)	NSW, VIC, SA only
	* Threehorn bedstraw (<i>Galium tricomutum</i>)	VIC, SA only
PRE-EMERGENCE Mungbeans, Peanuts, Soybeans	Common sida (<i>Sida rhombifolia</i>), Fat hen (<i>Chenopodium album</i>), Green amaranth (<i>Amaranthus viridis</i>), Pigweed (<i>Portulaca oleracea</i>), Redroot amaranth (<i>Amaranthus retroflexus</i>), Wild gooseberry (<i>Physalis minima</i>), * Anoda weed (<i>Anoda cristata</i>), * Bellvine (<i>Ipomoea plebeia</i>), * Common thornapple (<i>Datura stramonium</i>), * Deadnettle (<i>Lamium amplexicaule</i>), * Jute (<i>Corchorus olitorius</i>), * Mintweed (<i>Salvia reflexa</i>), * Starburr (<i>Acanthospermum hispidum</i>), * Wild radish (<i>Raphanus raphanistrum</i>)	QLD, NSW, VIC, NT only
	Above weeds plus Bladder ketmia (<i>Hibiscus trionum</i>), * Awnless barnyard grass (<i>Echinochloa colona</i>), * Apple of Peru (<i>Nicandra physalodes</i>), * Noogoora burr (<i>Xanthium pungens</i>), * Nutgrass (<i>Cyperus rotundus</i>)	

RATE per ha	CRITICAL COMMENTS
70 g plus a non-ionic surfactant at 200 mL/ 100L	Apply to actively growing weeds in the cotyledon to 3 leaf stage. Weeds may not be totally controlled but populations will be significantly reduced, and surviving plants will generally be severely retarded. Good crop growth will aid weed control.
70 to 100g plus a non-ionic surfactant at 200 mL/ 100L	* Surviving plants will generally be retarded and will not compete with the crop. Use the higher rate under high weed pressure. Refer to the FOLLOW CROP section of this label regarding follow crops.
100 g	Apply to moist, well prepared, clod and weed-free soil after planting and before crop emergence. Sufficient rainfall or irrigation is required after application and prior to weed emergence to wet soil to a depth of 5cm. Where soil crusting is likely, apply post-emergence. (not mung beans). Under adverse conditions, weeds may not be totally controlled but populations will be significantly reduced, and surviving plants will generally be severely retarded. Good crop growth will aid weed control. * Surviving plants will generally be retarded and will not compete with the crop.
140 g	

CROP	WEEDS CONTROLLED	STATE
POST-EMERGENCE Peanuts, Soybeans	Common sida (<i>Sida rhombifolia</i>), wild gooseberry (<i>Physalis minima</i>), * Anoda weed (<i>Anoda cristata</i>), * Bathurst burr (<i>Xanthium spinosum</i>), * Bellvine (<i>Ipomoea plebeia</i>), * Common thornapple (<i>Datura stramonium</i>), * Deadnettle (<i>Lamium amplexicaule</i>), * Jute (<i>Corchorus olitorius</i>), * Fierce thornapple (<i>Datura ferox</i>)	QLD, NSW, VIC, NT only
	Above weeds plus Apple of Peru (<i>Nicandra physalodes</i>), Fat hen (<i>Chenopodium album</i>), * Awnless barnyard grass (<i>Echinochloa colona</i>), * Barnyard grass (<i>Echinochloa crus-galli</i>), * Nutgrass (<i>Cyperus rotundus</i>)	
PRE-EMERGENCE TO WEEDS Lucerne (established), Serradella (established)	As for pre-emergence use in faba beans and field peas (winter weeds) and in soybeans (summer weeds)	QLD, NSW, VIC, SA, WA only
<i>Centrosema</i> (Cavalcade) (pre-emergence to crop)		NT only

RATE per ha	CRITICAL COMMENTS
100 g plus a non-ionic surfactant at 200 mL/ 100L	Apply to actively growing weeds in the 2 to 4 leaf stage. Weeds may not be totally controlled but populations will be significantly reduced and surviving plants will generally be severely retarded. Good crop growth will aid weed control. * Surviving plants will generally be retarded and will not compete with the crop. For grass weeds, a follow up spray with a selective grass herbicide may be required.
140 g plus a non-ionic surfactant at 200 mL/ 100L	
70 to 140 g	Use pre-emergence to weeds in established lucerne only. Apply following cutting or grazing, if necessary in mixtures with registered knock-down products. Apply at rates as per pre-emergence use in faba beans and field peas (winter weeds) and soybeans (summer weeds). Note CRITICAL COMMENTS applying to weed control in those crops.

CROP	WEEDS CONTROLLED	STATE
POST-EMERGENCE Lucerne, Serradella	As for post-emergence use in field peas (winter weeds) and in soybeans (summer weeds)	QLD, NSW, VIC, SA, WA only

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

WITHHOLDING PERIODS:

GRAZING: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER APPLICATION

HARVEST: NOT REQUIRED WHEN USED AS DIRECTED

GENERAL INSTRUCTIONS

RELYON IMAZETHAPYR 700 WG HERBICIDE can be used for either pre-emergence or post-emergence weed control depending on the crop and weeds to be controlled. When the product is applied pre-emergence, susceptible weeds may emerge, but growth will be retarded and weeds will either die or remain stunted and will not compete with the crop. Adequate soil moisture is important for optimum activity. When applied post-emergence, weeds will either die or remain stunted and will not compete with the crop.

RATE per ha	CRITICAL COMMENTS
70 to 140 g plus a non-ionic surfactant at 200 mL/100L	Apply to actively growing weeds in the cotyledon to 3 leaf stage (winter weeds) and 2-4 leaf stage (summer weeds). Apply at rates as per post-emergence use in field peas (winter weeds) and soybeans (summer weeds). Note CRITICAL COMMENTS applying to weed control in those crops. Seedling: Apply when crop is at the first trifoliolate leaf stage or later (Spring sown) and the 2 trifoliolate leaf stage or later (Autumn sown). Serradella varieties on which RELYON IMAZETHAPYR 700 WG HERBICIDE has been tested and found to be selective are: Avila, Elgara, Tauro. Established: Apply as above following cutting or grazing.

A non-ionic surfactant, or an adjuvant as specified in the DIRECTIONS FOR USE, must be added to RELYON IMAZETHAPYR 700 WG HERBICIDE for post-emergence weed control. The addition of ammonium sulphate (417g/L) at a rate of 2 L/100 L water may assist in post-emergence control of summer growing weeds.

MIXING

This product mixes readily with both hard and soft water. Fill the spray tank one half to three quarters full with clean water and then, with the agitator running, add the required amount of this product and 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.

APPLICATION

RELYON IMAZETHAPYR 700 WG HERBICIDE should NOT be applied for a minimum of 2 hours before rainfall or irrigation.

Ground Application: Avoid overlaps when spraying. Apply in 50 to 100 L/ha water using flat fan nozzles. The product may be applied in a band over the row in row crops. This will assist in minimising soil residue carry-over.

Aerial Application (Pre-Emergence Only): Avoid overlaps when spraying. Apply in a minimum 20 L/ha water in a maximum swath width of 18 m using a droplet VMD of 230-280 microns.

DO NOT apply RELYON IMAZETHAPYR 700 WG HERBICIDE under conditions (e.g. dead calm, excessive wind and/or small droplets) likely to cause spray drift onto wetlands or waterways, natural vegetation, crops other than specified on label or land to be planted with susceptible crops.

EQUIPMENT CLEAN-UP

Thoroughly flush all spray equipment with water following use of RELYON IMAZETHAPYR 700 WG HERBICIDE and before use with other products.

Rinse water should NOT be discharged where it will reach streams, water-bodies or natural vegetation.

COMPATIBILITY

This product is compatible with Pendimethalin, Oryzalin, Alpha-Cypermethrin, Trifluralin, Metribuzin, Cyanazine, Glyphosate, Paraquat plus Diquat, Diquat, Simazine, Diflufenican, Dimethoate, Omethoate and Endosulfan.

DO NOT tank mix with selective post-emergence grass herbicides.

DO NOT apply these herbicides following use of RELYON IMAZETHAPYR 700 WG HERBICIDE until grasses have resumed active growth.

RESISTANT WEEDS WARNING

GROUP	B	HERBICIDE
--------------	----------	------------------

RELYON IMAZETHAPYR 700 WG HERBICIDE is a member of the Imidazolinone group of herbicides. RELYON IMAZETHAPYR 700 WG HERBICIDE has the inhibition of acetolactate synthase (ALS) mode of action. For weed resistance management, RELYON IMAZETHAPYR 700 WG HERBICIDE is a Group B herbicide.

Some naturally-occurring weed biotypes resistant to RELYON IMAZETHAPYR 700 WG HERBICIDE and other Group B 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 weeds will not be controlled by RELYON IMAZETHAPYR 700 WG HERBICIDE or other Group B herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Nutrien Ag Solutions accepts no liability for any losses that may result from the failure of RELYON IMAZETHAPYR 700 WG HERBICIDE to control resistant weeds.

CROP SAFETY

This product may cause slight shortening of plant internodes and may in some circumstances lead to transient crop yellowing, but plants soon recover and yield is unaffected. This effect may be more pronounced when the product is used post-emergence or under poor growth conditions.

DO NOT use this product pre-emergence on Collegian and Cressy Blue field pea varieties. DO NOT use this product post-emergence on field pea varieties other than Alma, Dun, Dundale, Early Dun and Wirrega.

DO NOT use pre-emergence on serradella, seedling lucerne or subterranean clover.

DO NOT use post-emergence on chickpeas, faba beans or mung beans.

Should re-sowing of chickpeas, faba beans, field peas, lucerne, mung beans, peanuts, serradella, soybeans or subterranean clover be necessary, DO NOT re-apply RELYON IMAZETHAPYR 700 WG HERBICIDE.

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 the use of this product, rotational crop injury is always possible.

The following minimum re-cropping intervals (months after application) should be observed.

FOLLOWING USE IN WINTER CROPS

MONTHS AFTER APPLICATION			
0	10	22	34
Maize varieties with CLEARFIELD Technology ONLY ; - Pacific Hycorn 62IT - Pacific Hycorn 53IT - Pioneer 3395IR; Wheat varieties with CLEARFIELD Technology ONLY ; Canola varieties with CLEARFIELD Technology ONLY ; Faba beans; Field peas; Chickpeas	lucerne; lupins; pasture legumes; vetch; *triticale; *barley; *wheat (except varieties with CLEARFIELD Technology; see 0 months)	oats; safflower	all other crops including canola (except varieties with CLEARFIELD Technology; see 0 months)

* The following additional requirements apply if it is intended to sow WHEAT (except varieties with CLEARFIELD Technology), BARLEY or TRITICALE during the next winter season.

- DO NOT apply RELYON IMAZETHAPYR 700 WG HERBICIDE pre-emergence later than the end of June and post-emergence later than the end of July.
- DO NOT use RELYON IMAZETHAPYR 700 WG HERBICIDE in areas where rainfall from spraying to sowing of cereals is expected to be below 300mm.

Furthermore:

- In SA and WA, DO NOT use on soils of pH 5.5 (Ca Cl₂) or less in areas where rainfall from spraying to sowing of cereals is expected to be below 400mm.
- In NSW, VIC and SA, DO NOT use the 100 g/ha rate in areas where rainfall from spraying to sowing of cereals is expected to be below 400mm.

If expected rainfall is not received following use of RELYON IMAZETHAPYR 700 WG HERBICIDE, consult your local Nutrien Ag Solutions Limited representative before planting wheat, barley or triticale. (In calculating rainfall actually received, exclude single isolated heavy Summer and Autumn falls above 100mm).

FOLLOWING USE IN SUMMER CROPS: IRRIGATED ONLY

MONTHS AFTER APPLICATION			
0	5	10	18
Maize varieties with CLEARFIELD Technology ONLY ; - Pacific Hycorn 62IT - Pacific Hycorn 53IT - Pioneer 3395IR; mung beans; peanuts; soybeans	chickpeas; lucerne; lupins; pasture legumes; * barley; * wheat (except for wheat varieties with CLEARFIELD Technology); canola varieties with CLEARFIELD Technology ONLY	** maize (except for varieties with CLEARFIELD Technology; see 0 months); ** sorghum	all other crops (providing rainfall and irrigation exceeds 2000mm)

* DO NOT plant these crops unless interim moisture (rainfall plus irrigation) from application to sowing is at least 500mm.

** DO NOT plant these crops unless interim moisture (rainfall plus irrigation) from application to sowing is at least 800mm. DO NOT plant sorghum if RELYON IMAZETHAPYR 700 WG HERBICIDE rates higher than 100 g/ha were used in the previous crop.

DRYLAND ONLY

DO NOT use the 140 gm rate in dryland soybeans, mung beans or peanuts unless it is intended to re-crop with a leguminous crop or crop varieties with CLEARFIELD Technology.

MONTHS AFTER APPLICATION				
0	10	15	22	27
Maize varieties with CLEARFIELD Technology ONLY : - Pacific Hycorn 62IT - Pacific Hycorn 53IT - Pioneer 3395IR; mung beans; peanuts; soybeans	** maize (except varieties with CLEARFIELD Technology); ** sorghum	chickpeas; lucerne; lupins; pasture legumes; * barley; * wheat (except for wheat varieties with CLEARFIELD Technology); canola varieties with CLEARFIELD Technology ONLY	cotton; maize (see also 0 months); sorghum; sunflower	all other crops (providing rainfall exceeds 2000mm)

* DO NOT plant these crops unless interim rainfall from application to sowing is at least 500mm.

** DO NOT plant these crops unless interim rainfall from application to sowing is at least 800mm. DO NOT plant sorghum if RELYON IMAZETHAPYR 700 WG HERBICIDE rates higher than 100 g/ha were used in the previous crop.

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 50m of wetlands or waterways.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate dams, watercourses or drains with this product or used containers.

STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight.

This container can be recycled if it is clean, dry, free of visible residues and has the drumMUSTER logo visible. Triple-rinse container for disposal. Dispose of rinsate by adding it to the spray tank. Do not dispose of undiluted chemical on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any drumMUSTER collection or similar container management program site. The cap should not be replaced, but may be taken separately. 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.

Refillable Containers: Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

SAFETY DIRECTIONS

Will damage eyes. Will irritate skin. Avoid contact with the eyes and skin. When preparing spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves, goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26, New Zealand 0800 764 766.

SAFETY DATA SHEET

For further information refer to the Safety Data Sheet (SDS), which can be obtained from the supplier.

CONDITIONS OF SALE

The use of this product is beyond the control of Nutrien Ag Solutions Limited. Any provisions or rights under the Australian Consumer Law which cannot be excluded by law are not intended to be excluded by these conditions of sale. Subject to the foregoing, all warranties, conditions, rights and remedies expressed or implied under common law, statute or otherwise, in relation to the sale, supply, storage, use or application of this product are excluded. Nutrien Ag Solutions Limited does not accept any liability (including consequential loss and/or negligence) for any loss or damage connected with the sale, supply, storage, use or application of this product except for liability which cannot be excluded by statute.

RELYON[®]

Nutrien Ag Solutions Limited
Level 5, Building A, 26 Talavera Road, Macquarie Park, NSW 2113.
Tel: (02) 9889 5400
Product Support Tel: 1800 44 88 92
relyonaustralia.com.au

®RELYON is a Registered Trademark of Ruralco Holdings Limited