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

CHEMAG ENVIROSPRAY 360 HERBICIDE

Active Constituent: 360g/L Glyphosate present as the isopropylamine salt.

GROUP M HERBICIDE

A non-selective herbicide that will kill most emerged weeds and plants in situations as indicated in the directions for use.

IMPORTANT: READ ATTACHED BOOKLET BEFORE USING THIS PRODUCT

1/5/10/20/110/200/500/1000 Litres

NRA Approval No.52414/0100

ChemAg Pty Ltd ACN 009 234 691 Suite 12, 11 Preston Street Como Western Australia 6152 Tel: (08) 9367 1799 Fax: (08) 9368 6144

STORAGE AND DISPOSAL

Store in the closed original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. DO NOT contaminate seed, feed or foodstuff. Triple or preferable pressure rinse container before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on-site. If recycling, replace cap and return to recycler or designated collection point. If not recycling, break, crush puncture and bury empty containers in a local authority landfill. If no landfill 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 should not be burnt.

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

SAFETY DIRECTIONS

Product will irritate eyes and skin. Avoid contact with eyes and skin. When preparing product for use wear elbow length PVC gloves and face shield or goggles. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each days use wash gloves, face shield, or goggles and contaminated clothing. When using controlled droplet applicator, wear protective waterproof clothing and impervious footwear.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Center (Phone 131126). For further information please refer to the material Safety Data sheet.

CONDITIONS OF SALE

ChemAg Envirospray 360 Herbicide is supplied as a high-grade material and is suitable for the purpose for which it is expressly intended and must be used in strict accordance with the conditions for use. As climatic, geographical of biological variables and/or developed resistance may effect the results obtained, the use and results are therefore beyond the control of the manufacturer therefore no warranty, expressed or implied is given by ChemAg Pty Ltd regarding its suitability or efficacy for any purpose nor can ChemAg Pty Ltd accept any responsibility for any consequence whatsoever resulting from the use of this product, save for those non-excludable conditions implied by the Trade Practices Act or any State legislation.

Batch Number:

Date of manufacture:

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DIRECTIONS FOR USE

RESTRAINTS

- DO NOT spray ChemAg Envirospray 360 Herbicide if rain is likely to occur within 6 hours.
 Heavy rainfall within 2 hours after application may wash the chemical off the foliage and a repeat treatment may be required.
- DO NOT add extra surfactant or mix with other agricultural chemicals, herbicide oils or any other materials unless specifically directed on the label.

ANNUAL WEEDS - NON CULTIVATED SITUATIONS

WEEDS CONTROLLED	STATE		PLICATION	CRITICAL	
					COMMENTS
Amaranth	All	Boom	Handgun	Knapsack	1. ChemAg Envirospray 360 Herbicide
Amaranthus spp. Barley Grass Hordeum Leporinum Barnyard Grass	States	L/ha	Vol/100L	Vol/15L	is foliar absorbed and translocated so application is carried out when plants are actively growing. 2. The effects of ChemAg Envirospray
Echrnochloa spp. Brome Grass Bromus spp. Caltrop Tribulus terrestris Canary Grass Phalaris spp. Capeweed Arctotheca calendula Volunteer Cereals Chickweed Stellaria media Doublegee		2L to 3L	500mL to 700mL	75mL to 100mL	2. The check of Chemical Chemi
Emex australis Erodium Erodium spp. Fumitory Fumana officinalis Fumarra muralis Liverseed Grass Urochloa panicoides Mintweed Salvia reflexa Paterson's Curse Echium plantagrneum Pigweed Portulaca oleracea Ryegrass Lolium rigidum Saffron Thistle Carthamus lanatus Silver Grass Vulpra spp. Spurge Euphorbia spp. Sub. Clover Trifolium subrerraneum Wild Mustard Sisymbrium officinale Wild Turnip Brassica tournefortii					

PERENNIAL WEEDS - NON CULTIVATED SITUATIONS

WEEDS CONTROLLED	STATE	APPLICATION RATE			CRITICAL
Blackberry	All	Boom	Handgun	Knapsack	COMMENTS 1. Spray plants from flowering to leaf fall
Rubus fruticosus L.agg	States	L/ha	Vol/100L	Vol/15L	Total leaf area must be covered by spray solution for the best results.
		-	1L to 1.3L	150mL to 200mL	 Use the higher rate on plants over 2 meters tall and where foliage is thick and total coverage may not be possible. The effects of spraying may not be apparent until the following season. Spot spraying may be necessary the following season for best results. In Tasmania do not treat bushes bearing mature fruit. Use of CDA equipment is not recommended.
Boxthorn, African	All States	-	700mL to	100mL to	Use lower rates on young plants.
Lycium ferocissimum	Giales		1L	150mL	 Use the high rate on large mature plants. Total leaf area must be covered by spray solution for best results. Do not spray during hot, dry summer periods. Use of CDA equipment is not recommended.
Bracken Pteridium esculentum		-	1.5L	225mL	 Pre-slash Bracken in Spring/Summer prior to treatment in Mar/May. Apply to fully unfurled and actively growing fronds. Results may not be visible until the next season. Follow up application is recommended.
Carpet Grass Axonopus spp.		3L	500mL	75mL	Apply to actively growing plants when most have reached the early head stage
Cocksfoot Dactylis glomerato		3L	700mL	100mL	2. For Couch in SA and WA apply in October – November. October – November.
Couch Cynodon dactylon		9L	1.3L	200mL	
Guinea Grass Ponrcum maximum		9L	1.3L	200mL	
Johnson Grass Sorghum holepense Kangaroo Grass Themeda australis Kikuyu Grass Pennisetum clandestinum		6L	1L	150mL	Apply to actively growing plants when most have reached the early head stage
Paspalum Paspalum dilitotum		6L	1L	150mL	Apply to actively growing plants when most have reached the early head stage
Yorkshire Fog Holcus lanatus		3L	700mL	100mL	
Unwanted Trees		30 centim Mix 1 part water and For trees v 70 centim Mix 1 part	of product wit apply 2 millilit with a basal di	h 1 part ers per cut. ameter 30 to	For use in orchard areas, small holdings, pastures and rights -ofway. Make a 5cm cut at an oblique angle to penetrate the sapwood beneath the bark. Space the cuts every 13 centimeters below branching. Apply once during the period March to May.

GENERAL USES

SITUATION	STATE	CRITICAL COMMENTS
Forests	All States	ChemAg Envirospray 360 He rbicide can be used to control weeds prior to establishing nurseries, site preparation prior to planting and amongst established trees using directed spray. Avoid spray or spray drift contacting leaves or green bark on trees as severe injury may occur.
Horticultural Vineyards, Nuts (Including Almond, Pecan, Macadamia, Pistachio, Walnut), Citrus, Stonefruit. Non-Agricultural Areas Around buildings Commercial, Domestic, Industrial and Public service areas.		 ChemAg Envirospray 360 Herbicide can be used prior to establishment and as a directed or shielded spray around vine, tree or interplants over 3 years of age. Spraying should be done prior to bloom stage of vines. Avoid spray or spray drift contacting buds, leaves, green stems, suckers, fresh wounds or fruits as severe injury may occur. For residual control of annual weeds ChemAg Envirospray 360 Herbicide can be tank mixed with simazine flowable. Refer to "Tank Mixtures" section. Mature trunks are not to be sprayed or subjected to drift. For residual control of annual weeds ChemAg Envirospray 360 Herbicide can be tank mixed with flowable simazine formulations. Refer to "Tank Mixtures" section.
Pasture		1.DIRECTED (SPOT) APPLICA TION: ChemAg Envirospray 360 Herbicide is non-selective and may damage or kill any plant in the sprayed area. re-treatment and/or pasture improvement may be necessary to restrict seeding re-establishment. 2. SELECTIVE APPLICATION: See Wiper Equipment. 3.BOOM APPLICATION: ChemAg Envirospray 360 Herbicide may be used to suppress or kill existing pasture species prior to re-seeding or establishment of other crops. Where spot application (Spray or Wiper) is undertaken, grazing stock need not be removed. Caution: Certain plants may be naturally toxic to shock. Where known toxic plants are present. DO NOT allow stock to graze until complete browning of treated plants has occurred.
Onions – Post-plant, pre emergence application	Tas Only	 For control of annual weeds and suppression of perennial weeds, including Rope Twitch. Apply ChemAg Envirospray 360 Herbicide at 1-3/ha postsowing and at least 7 days before crop is due to emerge. DO NOT apply to emerging onion plants as severe injury will result. Use the lower rate on small, actively growing annual weeds. Increase to the higher rate for larger annual weeds (over 15cm tall) and for suppression of perennial weeds.
Cotton Pre-harvest For the control of Bathurst Burr, Noogoora burr, winter annual weeds including Sowthistle (Milk thistle) and seasonal suppression of Nutgrass.	NSW & QLD ONLY	 1.DO NOT APPLY TO CROPS INTENDED FOR SEED PRODUCTION 2.Apply alone or in tank mixtures with Dropp or Harvade. 3.Apply when at least 60% of bolls are open and immature bolls cannot be easily cut with a sharp knife. 4. Where a leafy crop canopy limits spray coverage, reduced weed control can be expected. For best results under these conditions, delay application until canopy re-opens following initial conditioning treatment. 5. Where control of Nutgrass or Nogoora burr is required, treatments should be applied prior to the onset of frosts. 6.When tank-mixed with defoliants, a slightly higher proportion of cotton leaf may be retained particularly where the higher rate is used. Read and follow all label directions for the tank mix products. 7.RATE: Apply 2.5/ha for Nutgrass control and 1.25-2.5L/ha for the other weeds. Use the lower rate on light infestations of small weeds, when the crop canopy allows adequate spray coverage of the weeds. Increase to the higher rate when the cop cannopy may limit spray coverage, when treating dense infestations, or when treating larger weeds.
Sugar cane Ratoon Sprayout(Control of sugar cane regrowth)	NSW & QLD ONLY	Apply under good growing conditions only to actively growing ratoons 60- 120 cm tall. DO NOT apply if plants are under stress from low moisture or waterlogging. RATE: 4-9L/ha. Use the lower rate for suppression or where cultivation is to follow. Use the higher rate for control.

Peanuts, Cotton, Soybeans, Sugarcane, Navy Beans and Chickpeas (Application using selective equipment)	NSW & QLD ONLY	1.WIPER EQUIPMENT. Apply ChemAg Envirospray 360 Herbicide to weeds growing between crop rows or to weeds growing at least 15cm above the crop. DO NOT allow wiper to contact crop and ensure operating conditions do not allow solution to drip from applicator since severe injury may result. Refer to WIPER EQUIPMENT in the APPLICATION section of the label. 2.SHIELDED SPRAYERS (cotton only) Apply ChemAg Envirospray 360 Herbicide to weeds growing between crop rows using a shielded sprayer. Refer to the WEEDS CONTROLLED tables for rates of application. 3.DO NOT apply in crops less than 20cm high DO NOT allow spray or spray drift to contact any part of the cotton plant as severe injury or destruction may result.
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AQUATIC WEED CONTROL

SITUATION	STATE			GENERAL I	NSTRUCTIONS
Aquatic Areas For control of emerged weeds in all fresh and brackish water which may be flowing, non-flowing or transient. Also for weeds on sides or banks of streams, lakes and in channels and drains. (See Weed Table Below)		1. Reduction in effectiveness may result if more than ¼ of the above ground portion of the weed is submerged at treatment. Submerging the treated plants following treatment may result in the spray being washed from the plant surface, thus reducing effectiveness. 2. Do not apply this product within 0.5km up-stream of a portable intake in flowing water (i.e. river or stream etc.) or within 0.5km of a portable water intake in a standing body of water such as a lake, pond or reservoir. Applications to moving bodies of water should be made while traveling upstream wherever possible to prevent concentration of this herbicide in water. When making any bankside applications, do not overspray more than 0.5m into open water. Avoid spraying across moving bodies of water, or where weeds do not exist. 3. When spraying floating weeds, use a low volume, low pressure boom spray, CDA, or sprinkler sprayer. Do not submerge the weeds when spraying as this may wash the herbicide off the leaves. 4. When emerged infestations require treatment of the total surface area of impounded water, treating the area in strips may avoid sudden impact on habitat. 5. DO NOT add additional surfactant wetter, unless it is approved for use in aquatic situations.			
WEEDS CONTROLLED	STATE	APPLICATION RATE			CRITICAL COMMENTS
		Boom L/ha	Handgun Vol/100L	Knapsack Vol/15L	
Alligator Weed	ALL STATES	-	1L	150mL	Apply when actively growing, from Summer through Winter. Floating form only.
Cumbungi Typha spp.	ALL STATES NT	9L	1.3L	200mL	Apply to actively growing plants at the early head to full head stage (summer - autumn). Re-treatment may be required to restrict seedling re-establishment. Wiper application is recommended (not Tasmania). See Wiper Equipment section.
Paragrass Brachiara mutica		9L	1.3L	200mL	Apply to actively growing plants when most have reached the early head stage

AQUATIC WEED CONTROL (Con't)

WEEDS CONTROLLED	STATE	APPLICATION RATE		RATE	CRITICAL	
					COMMENTS	
		Boom L/ha	Handgun Vol/100L	Knapsack Vol/15L		
Phragmites, Common Reed. Phragmites australis	ALL STATES	9L	1.3L	200mL	Apply to actively growing fully developed plants approaching the early head stage. Visible symptoms of control may be slow to develop and may not be fully apparent until the next season. For wiper application see "Wiper Equipment" section.	
Rushes Juncus spp.	ALL STATES	•	-	-	Apply by wiper equipment to actively growing plants. Where there is a large proportion of dead foliage, pre-slashing is recommended. Allow adequate re-growth before treatment. Refer "Wiper Equipment" section for application instructions.	
Sedge, Tall Carex appressa	NSW VIC TAS only	2L or 4L	500mL or 1L	75mL or 150mL	Apply to actively growing plants in flowering to postflowering period (Oct-Apr). Use the lower rate only if the stand has been slashed prior to treatment. Re-treatment may be necessary. Visible symptoms may not be fully apparent for up to 3 months. Use of CDA equipment is not recommended.	
Water Couch Paspalum distichum	ALL STATES NT	9L	1.3L	200mL	Apply to actively growing plants in late summer-autumn (Feb-Mar). Do not treat after March because of the onset of winter dormancy. Full results may not be visible until the following spring. Not more than ¼ of the weed should be submerged at the time of treatment.	
Water Hyacinth	ALL STATES	6L – 9L	1L – 1.3L	150 - 200mL	Apply when actively growing and at or beyond the early bloom stage of growth. Use the higher rate for dense infestations.	
Water Lettuce		-	1L – 1.3L	150 - 200mL	Best results are obtained from mid - summer through to winter. Use the higher rate on dense infestations.	
Waterlily, Yellow		6L	1L	150mL	Apply when there is a maximum emergence of floating leaves. Allow 23 weeks for symptoms to develop, then retreat any unaffected plants. Use low volume sprayer.	

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

WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED.

GENERAL INSTRUCTIONS

- ChemAg Envirospray 360 Herbicide is a non-selective, water soluble liquid herbicide effective
 in the control of many annual and perennial grasses and broadleaf weeds in crop areas, land
 preparations and non-crop areas.
- ChemAg Envirospray 360 Herbicide is inactivated in soil and does not provide residual weed control.
- ChemAg Envirospray 360 Herbicide is absorbed by the plant foliage and green stems and moves through the plant from point of contact to the root system.
- Visual effects are gradual yellowing, and wilting of the plant which advances to complete browning of growth above the grown and deterioration of underground plant parts.
- Visible effects take 3 to 7 days on annual weeds, where as on perennial weeds it may take 2 to 3 weeks or longer depending on weather conditions following spraying.
- No withholding period is required for this product. However to ensure herbicide absorption, grazing of treated areas should be delayed at least one day after treatment of annual weeds and 7 days for perennial weeds.

RESISTANT WEED WARNING

ChemAg Envirospray 360 Herbicide is a member of the Glycines group of herbicides. The product has the inhibitors of EPSP synthase mode of action. For weed resistance management, the product is a Group M Herbicide.

Some naturally occurring weed biotypes resistant to the product and other inhibitors of EPSP synthase 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. The resistant weeds will not be controlled by this product or other inhibitors of EPSP synthase herbicides.

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

MIXING

- Clean spray tank and assure that it is free from residues of previous spray materials.
- Fill the spray tank with half the required amount of clean water. Add the required amount of ChemAg Envirospray 360 Herbicide and mix well before adding the remaining water.
- If surfactant is required, add this last to minimise foaming.
- Agitate well before spraying.
- When preparing spray solution, use clean water since hard water containing calcium salts could inactivate glyphosate.
- Spray solutions of this product should be mixed, stored and applied only in stainless steel, aluminum, brass, copper, fiberglass, plastic or plastic lined spray tanks. Do not mix or store the product or spray solutions in galvanised steel or unlined steel (except stainless steel).

TANK MIXES

Atrazine / Simazine

ChemAg Envirospray 360 Herbicide may be tank mixed with Atrazine Flowable or Simazine Flowable for knockdown and residual weed control. Atrazine can only be used in crop situations: its use is no longer permitted in non-crop situations.

Crystalline Ammonium Sulphate

RATE: 2% w/v (2kg/100L spray solution). The addition of crystalline ammonium sulphate to ChemAg Envirospray 360 Herbicide, when used to control annual weeds, MAY improve the performance of ChemAg Envirospray 360 Herbicide under adverse environmental conditions such as cool, cloudy weather, and assist in minimising the antagonism in tank mixes of ChemAg Envirospray 360 Herbicide and flowable triazine herbicides. Use only crystalline ammonium sulphate, NOT prilled or granulated forms. Ammonium sulphate may be corrosive to metal parts of the sprayer. Thoroughly flush tanks, pumps and nozzles with water after use.

Dicamba

ChemAg Envirospray 360 Herbicide and Dicamba may be tank mixed for more effective control of Sub clover.

2,4-D Esters

ChemAg Envirospray 360 Herbicide may be tank mixed with 2,4-D Ester for improved control of broadleafed weeds.

APPLICATION

Boom Equipment

Use at spray volume of 25 to 100L/ha. Fan nozzles at pressure of 240-280 Kpa is recommended. Boom height must be set to ensure double overlap of nozzle patterns at the top of the weed canopy.

Knapsack and Handgun Equipment

Adjust equipment to deliver a fine spray pattern and ensure a complete and uniform wetting of all foliage. DO NOT spray in conditions conducive to spray drift.

Wiper Equipment

Wiper equipment (e.g. ropewick, canvas, felt or carpet applicators) may be used to apply ChemAg Envirospray 360 Herbicide on to weeds growing in oilseed crops, sugarcane, cotton, seed and pod vegetables, tree and vine crops specified in this label, pasture and non-crop areas. Avoid contact with desirable vegetation. Operate wiper equipment a minimum of 10cm above crop or pasture. Weeds should be at least 15cm above the crop or pasture at the time of application. Speed of travel should be no greater than 8km/hr. Best results are achieved at lower speeds and where two applications are made in opposite directions (double pass). Where weeds are of variable height, or occur in dense infestations or clumps, some plants may not be contacted by the herbicide solution. In these cases repeat treatment may be necessary. Mix only enough herbicide solution for immediate requirements. Do not store mixed solution for more than a few days. Flush out equipment with water after use.

Controlled Droplet Application Equipment (CDA)

Use the following table as a guide for achieving the correct application rates using the "Micron Herbi" or similar rates and use recommendations. For hand held equipment a walking speed of approximately 1m/sec (4km/h) is recommended.

Rate of			
ChemAg Envirospray 360 Herbicide delivered at 1m/sec	3 L/ha	6 L/ha	9 L/ha
Mixture (by volume) ChemAg Envirospray 360 Herbicide:	1:3	1:1	2:1
Water			
Micron Herbi,	Blue	Blue	Yellow
nozzle			

Do not add oils to ChemAg Envirospray 360 Herbicide / water mixture, otherwise difficulty in application and reduced weed control may occur.

CAUTION: CDA equipment produces a fine spray pattern which is not easy visible. Ensure spray pattern or drift does not contact foliage or any other green tissue of desirable plants, since severe injury or destruction may result.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Do not contaminate dams, rivers or streams with the product or used containers. When controlling weeds near water, refer to label direction to minimise the entry of spray into the water.

PROTECTION OF CROP, NATIVE AND OTHER NON-TARGET PLANTS

Contact with desirable plants and trees may cause severe damage or destruction. DO NOT apply under weather conditions, or from spraying equipment, that may cause spray drift onto nearby susceptible plants/crops, cropping lands or pastures.

STORAGE AND DISPOSAL

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FIRST AID

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