

# **CAUTION**

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



# **SPEEDMAX**

## **Industrial Herbicide**

**ACTIVE CONSTITUENTS: 432 g/L GLYPHOSATE (present as the Isopropylamine salt)  
7.2 g/L CARFENTRAZONE-ETHYL**

GROUP	M	G	HERBICIDE
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**A NON-SELECTIVE FOLIAR HERBICIDE FOR THE CONTROL OF A WIDE RANGE OF ANNUAL AND PERENNIAL GRASSES AND BROADLEAVED WEEDS IN COMMERCIAL AND INDUSTRIAL AREAS, RAILWAYS, POWERLINES, ROADS AND HIGHWAYS, PARKS & GARDENS, PAVERS, FOOTPATHS, DRIVEWAYS, POSTS, POLES, ROADSIGNS, AIRPORTS, AROUND BUILDINGS, SHEDS AND OTHER STRUCTURES AND RIGHTS OF WAY AS PER THE DIRECTIONS FOR USE TABLE.**

**IMPORTANT: READ THE ATTACHED LEAFLET THOROUGHLY BEFORE USING PRODUCT**

**CONTENTS: 1L / 2.5L / 5L / 20L / 110L / 200L**

FMC Australasia Pty Ltd,  
Unit 26, 8 Metroplex Ave  
Murarrie Qld 4172  
Contact Number 1800 066 355

## **STORAGE AND DISPOSAL**

Store in the closed, original container in a well ventilated area out of direct sunlight. DO NOT re-use container for any purpose.

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 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 burn empty containers or product.

### **Returnable/refillable Containers:**

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

## **SAFETY DIRECTIONS**

May irritate the skin. Will irritate the eyes. Avoid contact with eyes and skin. When opening the container and preparing the product for use and using the product, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length chemical resistant gloves and a face shield or goggles. If applying by equipment carried on the back of the user wear cotton overalls, over normal clothing, buttoned to the neck and wrist, elbow-length chemical resistant gloves and a 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 contaminated clothing.

## **FIRST AID**

If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone Australia 13 11 26.

## **MATERIAL SAFETY DATA SHEET**

For further information refer to the Material Safety Data Sheet (MSDS).

## **WARRANTY**

FMC makes no warranty expressed or implied, concerning the use of this product other than that indicated on the label. Except as so warranted the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

APVMA Approval No. 67169/55382

BN:

DOM:

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A non-selective foliar herbicide for the control of a wide range of annual and perennial grasses and broadleaved weeds in commercial and industrial areas, railways, powerlines, roads and highways, parks & gardens, pavers, footpaths, driveways, posts, poles, roadsigns, airports, around buildings, sheds and other structures and rights of way as per the directions for use table.

**READ THIS BOOKLET THOROUGHLY  
BEFORE USING PRODUCT**

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Contact Number 1800 066 355

## SPEEDMAX INDUSTRIAL HERBICIDE

### DIRECTIONS FOR USE

#### Restraints:

**DO NOT APPLY AERIALLY.**

Situation	Weeds Controlled	State	Rate		Critical comments
			L/ha	Spot Spraying mL/100L	
Commercial & Industrial areas around buildings Rights-of way Including railways, powerlines, roads and highways, parks & gardens, pavers, footpaths, driveways, posts, poles, road signs, airports, phone, gas and water pipeline easements, around poles, posts and road markers and fence lines and firebreaks and stock enclosures, around buildings, sheds and other structures.	Australian Crassula/Stonecrop ( <i>Crassula spp</i> ), Capeweed ( <i>Arcfotheca calendula</i> ), Chickweed ( <i>Stellaria media</i> ), Common storksbill (max. 4 leaves) ( <i>Erodium cicutarium</i> ), Doublegee / Spiny emex / Three cornered jack ( <i>Emex australis</i> ), Marshmallow ( <i>Malva parviflora</i> ), Paterson's curse ( <i>Echium plantagineum</i> ), Sub. clover ( <i>Trifolium subterraneanum</i> ), Wild radish ( <i>Raphanus raphanistrum</i> )	All States  WA, SA, VIC, NSW only	850 mL - 2.5 L/ha	340 mL /100 L	Common storksbill should be no larger than 4 leaf at spraying, recently germinated and not under stress – older or stressed plants may not be adequately controlled.  Application to hardened weeds or drought stressed weeds especially under summer conditions may cause only localised injury to weed foliage which may not enhance final weed control. Mallow growing and sprayed in the summer is especially prone to drought stress and may either not show symptoms typical of SpeedMax or may regrow following treatment although plants did not appear very stressed at application.  When using Speedmax Herbicide as a spot spray, apply in sufficient water (minimum 1000 L/ha) to thoroughly wet all weed foliage to the point of run-off. Addition of standard rates of a non-ionic surfactant may improve weed control.
	Barley grass, Volunteer cereals, Wild oats		850 mL - 1.25	125 mL /100 L	Treat only actively growing weeds not under stress from low moisture, frost, cold, disease or water logging. If heavy grazing OR MOWING of mature plants has occurred allow regrowth to 6-8 cm before spraying.
	Brome grass, Canary grass( <i>Phalaris sp</i> ), Capeweed, variegated thistle, Winter grass		1.25 - 1.65	165 mL /100 L	<b>ANNUAL RYEGRASS, SILVERGRASS AND PERENNIAL GRASSES.</b> The addition of wetter TX 200 mL/100 L spray solution, may improve control. When treating dense infestations of silvergrass, nozzles designed to produce MEDIUM to COARSE spray quality (ASAE S572) , and a spray volume of 200 L/ha or more is recommended to improve spray coverage. Good coverage of silvergrass is critical for control.
	Annual ryegrass, Brome grass, Capeweed, Paterson's curse, Saffron thistle, Scotch thistle, Silver grass, Spear thistle, Wild mustard, Wild radish, Wild turnip,		1.25 - 1.65	165 mL /100 L	<b>TANK MIXTURES</b> For better control of Dock, sorrel and subterranean clover add dicamba. Read and follow label directions, restraints, regional use restrictions and safety directions for the tank mix products. See Tank Mixtures for directions.  The addition of ammonium sulfate, 2 kg/100 L, may improve control when treating under marginal environmental conditions.  Application to hardened weeds or drought stressed weeds especially under summer conditions may cause only localised injury to weed foliage

Situation	Weeds Controlled	State	Rate		Critical comments
			L/ha	mL/100L Spot Spraying	
(continued from above)	Storksbill ( <i>Erodium</i> spp), Perennial phalaris, Plantain ( <i>Plantago</i> spp), Sorrel, Subterranean clover, Yorkshire fog	WA, SA, VIC, NSW only	1.5 - 2.1	210 mL /100 L	(continued from above) which may not enhance final weed control. Mallow growing and sprayed in the summer is especially prone to drought stress and may regrow following treatment although plants did not appear very stressed at application.
	Dock, Flatweed ( <i>Hypochoeris radicata</i> )		2.1	210 mL /100 L	COUCH Use the higher rate on dense infestations. Apply sequential treatments during summer and autumn, with autumn being most effective. Repeat applications will be required for full control. The use of LI 700 500 mL/100 L may improve control.
	Bathurst burr, Couch grass ( <i>Cynodon dactylon</i> ).		2.5	250 mL /100 L	HOARY CRESS Treat from late rosette to early flowering.
	Hoary cress Soursob		1.25	125 mL /100 L	SOURSOB Treat at tuber exhaustion. When using SpeedMax Herbicide as a spot spray, apply in sufficient water (minimum 1000 L/ha) to thoroughly wet all weed foliage to the point of run-off. Addition of standard rates of a non-ionic surfactant may improve weed control.
	All the above weeds	Tas only	1.25 - 2.5L	125 - 250 mL /100 L	Tasmania Use 1.25 L/ha on annual weeds. Increase to 2.5 L/ha where perennial weeds are being treated. To control White Clover and improve control of Sorrel and Dock, add 1 L/ha dicamba. Observe dicamba label instructions. When using SpeedMax Herbicide as a spot spray, apply in sufficient water (minimum 1000 L/ha) to thoroughly wet all weed foliage to the point of run-off. Addition of standard rates of a non-ionic surfactant may improve weed control.

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

#### WITHHOLDING PERIOD:

GRAZING: DO NOT GRAZE TREATED AREAS OR CUT FOR STOCKFOOD FOR 14 DAYS AFTER APPLICATION.

#### EXPORT SLAUGHTER INTERVAL (ESI):

An export slaughter interval is not required when used as directed.

#### GENERAL INSTRUCTIONS

Speedmax Industrial Herbicide is a non-volatile, non-selective, emulsion in water (EW) liquid herbicide. It contains two herbicidal active ingredients that when combined provide advantages over stand alone glyphosate formulations. These benefits are generally seen in faster brownout symptomology and improved broadleaf weed control including marshmallow, as well as maintaining normal efficacy afforded by glyphosate for control of grass weeds.

Both active ingredients are absorbed by plant foliage and green stems. Carfentrazone-ethyl is a fast acting contact broadleaf herbicide and aids in the control of weeds through a process of membrane disruption. The foliar uptake of carfentrazone-ethyl is rapid and herbicide symptoms can occur within 4 hours of application. Glyphosate moves through the plant from the point of contact to and into the root system. Speedmax Herbicide is characterised by rapid brownout of weeds, especially broadleaf weeds, and controls a wider spectrum of weeds than glyphosate alone.

Speedmax Herbicide controls emerged weeds only, and provides no residual weed control. Apply to weeds with at least one true leaf (broadleaf weeds) or two leaves (grasses) to ensure adequate surface area for herbicide uptake. Control will be best when Speedmax Herbicide is applied to small, actively growing weeds.

DO NOT treat weeds if environmental conditions, such as drought, water logging, disease, insect damage, or frost, prevail, as reduced weed control may result. Reduced results may also occur if weeds are covered with dust, dirt or silt. Prior herbicide application may also reduce weed vigour and these weeds should not be treated until they have recovered and are actively growing.

Rainfall occurring up to 6 hours after application may wash the chemical off the foliage and reduce effectiveness; a repeat treatment may be required. Delay treatment of plants wet with dew or rain. Do not allow Speedmax Herbicide to contact the foliage, green stems or fruit of desirable plants, crops or fruit trees as severe injury or destruction may result.

#### RESISTANT WEEDS WARNING

GROUP	M	G	HERBICIDE
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Speedmax Herbicide contains two active ingredients with different modes of action. The first active ingredient, *glyphosate*, is a member of the glycines group of herbicides and the second active ingredient, *carfentrazone-ethyl*, is a member of the aryl triazoline group of herbicides. Glyphosate inhibits EPSP synthase and carfentrazone causes membrane disruption, which is initiated by the inhibition of the enzyme photoporphyrinogen oxidase. As Speedmax herbicide has two active ingredients, with different modes of action, it is a Group "M" and "G" for weed resistance management.

Normal genetic variability occurring in all natural weed populations, can produce weed biotypes that are resistant to Speedmax Herbicide and group G and M herbicides. The resistant individuals can eventually dominate the weed population if herbicides with the above modes of action, are used repeatedly, and will not be controlled by Speedmax Herbicide or other group M or G herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, FMC accepts no liability for any losses that may result from the failure of Speedmax Herbicide to control resistant weeds.

#### MIXING

Speedmax Herbicide mixes readily with water, however REDUCED results may occur if water containing soil is used, eg water from ponds, ditches and unlined dams, or if hard water containing calcium salts or with a pH > 7 is used.

DO NOT mix, store or apply Speedmax Herbicide or spray solutions of Speedmax Herbicide in spray tanks or containers made from galvanised steel or unlined steel as a highly flammable gas mixture may be formed. Use only spray tanks made from stainless steel, aluminium, brass, copper, fibreglass, plastic or plastic-lined containers.

Ensure the sprayer is free of any residue of previous spray materials. Use spray solutions promptly and ensure that the spray solution is not stored in the spray tank over night as a gradual loss of activity will occur. Fill the spray tank with one half the required amount of clean water and add the required or measured amount of Speedmax Herbicide. Mix well before adding the remaining portion of water. Add surfactant near the end of the filling process to minimise foaming. Placing the filling hose below the surface of the spray solution will prevent excessive foaming. Removing hose from tank immediately after filling will prevent back siphoning into water source.

DO NOT use mechanical agitators as these may cause excessive foaming. Spray tanks, pumps, lines and nozzles should be thoroughly rinsed with clean water following application to prevent corrosion.

#### TANK MIXTURES/COMPATIBILITY

Speedmax herbicide may be tank mixed with the following herbicides, and additives. Read and follow all label directions, restraints, regional use restrictions, and safety directions for the tank mix products.

Ally, Nufarm Estercide 800, Garlon, Dicamba 500, Lontrel, 2,4-D ester 600, MCPA LVE, Flowable atrazine, (DO NOT apply this tank mix for control of Barnyard grass or Liverseed grass), Flowable simazine, Starane, Oust or Macspred Sulfomac 750 WG. Other brands have not been tested.

## **MIXING INSTRUCTIONS FOR ALL TANK MIXTURES**

1. Fill the spray tank  $\frac{1}{3}$  to  $\frac{1}{2}$  full with clean water and start agitation.
2. Add ammonium sulphate where required.
3. Add recommended herbicide/additive to the spray tank and mix thoroughly.
4. Add Speedmax Herbicide and the remaining water. Mix thoroughly.
5. Add surfactant, if required, near the end of the filling process to minimise foaming.
6. Always maintain adequate agitation during application and use the tank mix promptly.

## **TANK MIXTURES - ADDITIVES:**

Ammonium sulphate may improve the performance of tank mixtures of Speedmax Herbicide and atrazine or simazine. See directions below.

### **Ammonium Sulphate (AMS) RATE 2 L/100 L or 1 kg/100 L spray solution.**

Ammonium sulphate spray grade adjuvants may be used as an adjuvant to alleviate the adverse effects of high levels of calcium, magnesium, and bicarbonate ions in water and when Speedmax Industrial Herbicide is used to control annual weeds. Ammonium sulphate may also improve efficacy when environmental conditions are marginal (cool cloudy conditions) and when Speedmax Industrial Herbicide is tank mixed with atrazine or simazine. Ammonium sulphate may be corrosive to metal parts of the sprayer. Thoroughly flush tanks, pumps and nozzles with water after use.

Solubility and impurity profiles of other forms of ammonium sulphate can vary and reduce the performance of Speedmax Herbicide or tank mixtures.

## **SURFACTANTS, WETTERS, SPRAYOILS and OTHER ADJUVANTS**

### **Spraymate LI700 Surfactant**

RATE: 250 mL - 500 mL per 100 L

The addition of Spraymate LI700 surfactant MAY improve weed control. At rates of 300 mL-500 mL per 100L, Spraymate LI700 may modify the droplet spectrum produced by CP and flat fan nozzles. This may reduce the proportion of FINE droplets produced by these nozzles.

### **Non-Ionic Surfactant**

The addition of non-ionic surfactant MAY improve general weed control. General purpose non-ionic surfactants may increase the production of FINE and VERY FINE droplets, which are prone to drift when used through certain nozzle types.

### **Wetter TX Surfactant**

RATE: 200 mL/100 L spray solution.

Add when treating annual ryegrass, Silvergrass and Perennial Grasses. Wetter TX is NOT a general purpose surfactant and should be used only where recommended.

DO NOT use spray oils, adjuvants or surfactants other than those recommended on this label.

## **APPLICATION**

DO NOT apply by aerial application. Speedmax Herbicide is a non-selective, translocated herbicide. Direct spray contact, or even slight drift, may cause severe injury or destruction of desirable plants including trees.

## **BOOM EQUIPMENT**

Application of Speedmax Herbicide in spray volumes of 150 – 300 L/Ha is recommended. Use nozzles that produce a MEDIUM spray quality at the target (ASAE S572). Environmental conditions, including Delta T and wind speed, and the size and density of the target weeds, should be taken into consideration when selecting nozzles. Boom height must be set to ensure double overlap of nozzle patterns at the top of the weed canopy.

## **HAND GUNS**

Select nozzles carefully and avoid excessive pressure to prevent the generation of small droplets. Be aware of environmental conditions, changes of wind direction and speed and proximity of waterways, sensitive and desirable plants. Avoid pointing the spray gun upwards.

## **SPRAYER CLEAN OUT - AFTER THE USE OF SPEEDMAX INDUSTRIAL HERBICIDE**

When you have finished spraying, thoroughly clean all spray equipment using the following procedure. To ensure proper equipment clean-out, after SpeedMax Herbicide has been mixed other herbicides, also follow cleaning procedures specified on the other product labels.

**IMPORTANT: More complete cleaning can be achieved if the spray equipment is cleaned immediately following each use.**

### **Preparation of the Cleaning Solution:**

1. After spraying completely drain the sprayer system. Rinse the tank with clean water and flush through the hoses, spray boom, and spray nozzles.
2. Prepare a spray equipment cleaning solution by mixing an alkaline detergent eg "OMO" or "SPREE" at a rate of 100 g for every 100 L of clean water used.
3. Fill the spray tank with sufficient cleaning solution to allow the solution to recirculate throughout the spray system for a minimum of 15 minutes. Thoroughly flush hoses, spray boom and spray nozzles **then fill the spray tank to capacity to ensure contact of the solution with all internal surfaces. Let the cleaning solution soak in tank, pump and spray lines overnight.**
4. If the sprayer was not cleaned thoroughly after the last use or if you have any concerns, repeat step 3 before spraying sensitive crops.
5. Immediately prior to commencement of spraying a sensitive crop, purge the boom lines by operating the spray system onto a fence line or waste area for sufficient time to remove any solution that has been residing in the spray lines. **This is also recommended for subsequent tank loads or if the sprayer has been left standing for a period of time containing spray solution.**
6. If storing equipment for more than 48 hours, the preferred practice is to clean spray equipment using the process outlined above. Allow the sprayer to soak overnight, drain and flush with fresh water. Leave the fresh water in the spray tank, hoses, and spray booms until next use. This water must be drained from the tanks, spray boom and lines and flushed with clean water before beginning any application to sensitive plants.

Properly dispose of all cleaning solution and rinsate safely in accordance with Federal, State, and local regulations and guidelines.

**Do not apply sprayer cleaning solutions or rinsate to sensitive plants or in sensitive environments.**

**The above method is only effective if the cleaning solution comes into contact with every surface or contact point that may contain even minute carfentrazone-ethyl residues.**

**Mix only as much herbicide spray solution as needed at a time.**

**DO NOT store the sprayer for any extended period of time, especially over night, with Speedmax Herbicide spray solution remaining in the tank, spray lines, spray boom plumbing, spray nozzles or strainers.**

### **RE-ENTRY PERIOD**

Do not allow entry into treated areas until the spray has dried unless wearing cotton overalls buttoned to the neck, wrist (or equivalent clothing) and chemical gloves. Clothing must be laundered after each day's use.

### **PROTECTION OF CROP, NATIVE AND OTHER NON-TARGET PLANTS**

Avoid contact with foliage, green stems or fruit of crops, desirable plants and trees, since severe injury or destruction may result.

**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.**

**PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

DO NOT contaminate dams, rivers or streams with the product or used containers.

DO NOT apply to weeds growing in or over water.

DO NOT spray across open bodies of water.

**STORAGE AND DISPOSAL**

Store in the closed, original container in a well ventilated area out of direct sunlight. DO NOT re-use container for any purpose.

The method of disposal of the container depends on the container type. Read the "Storage and Disposal" instructions on the label that is attached to the container.

**SAFETY DIRECTIONS**

May irritate the skin. Will irritate the eyes. Avoid contact with eyes and skin. When opening the container and preparing the product for use and using the product, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length chemical resistant gloves and a face shield or goggles. If applying by equipment carried on the back of the user wear cotton overalls, over normal clothing, buttoned to the neck and wrist, elbow-length chemical resistant gloves and a 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 contaminated clothing.

**FIRST AID**

If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone Australia 131126.

**MATERIAL SAFETY DATA SHEET**

For further information refer to the Material Safety Data Sheet (MSDS).

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