

SITUATION	WEEDS CONTROLLED	RATE/HA	CRITICAL COMMENTS
NORTHERN AUSTRALIA In fallow or prior to planting a crop. Qld, NSW only	Annual phalaris (Canary grass) Barley grass Volunteer cereals Wild oats	265-530g	Treat only actively growing weeds not under stress from low moisture, frost, cold, disease or waterlogging. If heavy grazing has occurred, allow regrowth to 6-8cm before spraying and use the higher rate. Note that under summer (hot) conditions, dense infestations of Barnyard grass and Liverseed grass may require follow up treatment for complete control. Enhanced control of Barnyard grass and Liverseed grass may require follow up treatment for complete control. In winter (cold) conditions symptoms on Deadnettle may be slow to develop.
	Barnyard grass Button grass Columbus grass (seedling) Liverseed grass Native millet Stinkgrass (lovegrass) Volunteer sorghum	530-1kg	Rate Selection Use the lower rates on young weeds; increase to the higher rate where grasses reach full tillering or where broadleaf weeds reach stem elongation/budding. At more advanced stages of growth certain broadleaf weeds require a higher rate range or the addition of 2,4-D ester.
	Australian bluebell (Qld only) Cudweed Fumitory Mexican poppy New Zealand Spinach Saffron thistle Spear thistle Spurge Stinking goosefoot	530-790g	Crop Establishment Sowing should not proceed until conditions allow the formation of a satisfactory seedbed. See Crop Establishment for directions.
	Black (giant) pigweed Boggabri weed Caltrop (yellow vine) Indian hedge mustard Mintweed Summer grass	265-530g up to 5 true leaves or 3cm dia/height 530-790g greater than 5 true leaves or 3cm dia/ height	Tank Mixtures Read and follow all label directions, restraints plant-back and withholding periods, regional use restrictions and safety directions for the tank mix products. DO NOT tank mix with atrazine when spraying Barnyard grass or Liverseed grass.
	African Turnip weed Deadnettle Sweet summer grass Variegated thistle Volunteer sunflower	400-530g up to 5 true leaves or 3cm dia/height 530-1kg greater than 5 true leaves or 3cm dia/ height	Aerial Application For instructions on aerial application under hot conditions see Aerial Equipment . DO NOT apply by aircraft when ambient temperature is above 30°C.
	Annual ground cherry (gooseberry) Bladder ketmia Camel melon False castor oil plant (Thornapple) Noogoora burr Turnip weed Wild lettuce Wild turnip Wireweed	530-790g prior to stem elongation/budding. After that use 265-790g plus 500-700mL 2,4-D ester 800g/L or 790g-1kg.	
	Pigweed	530 g – 1kg	Use higher rates on larger weeds. Control of pigweed over a wide range of growth stage can be obtained with the addition of Farmalinx Metfuron. Observe re-cropping intervals.
	Sowthistle Milkthistle	400-530g rosettes up to 3cm dia. 530g – 1kg greater than 3cm dia.	Previously grazed plants may be difficult to control without allowing full recovery.
	Couch	790g -1.6kg	Use the higher rate for dense infestations. Apply sequential treatments during summer and autumn, with autumn being most effective. Repeat applications will be required for full control. For improved control use in conjunction with cultivation.
	Johnson grass	1 – 1.6kg	Use the higher rate on plants approaching seedhead stage. Apply to plants with minimum of 30cm new growth. Sequential treatments will be required for long term control.
Nutgrass	1.6 + 1.6kg	Make first application to actively growing plants when at least 20% have reached the head stage (normally about Feb). After allowing maximum re-emergence to occur (normally 6-8 weeks), it is essential to make a second application. Note Follow up treatments should be made as part of a Nutgrass control program.	

OTHER SITUATIONS

SITUATION	WEEDS CONTROLLED	RATE/HA	CRITICAL COMMENTS
Cotton (pre-harvest) DO NOT use on crops intended for seed production QLD, NSW only	Bathurst burr Noogoora burr Winter annual weeds including sowthistle/ milkthistle	660 g – 1.3 kg	Use the lower rate on light infestations of small weeds, where the crop canopy allows adequate spray coverage of the weeds. Increase to the higher rate when the crop canopy may limit spray coverage, when treating dense infestations, or when treating larger weeds. Apply alone or in tank mixtures with Thidiazuron or Harvade®. Apply when at least 60% of bolls are open and immature bolls cannot be easily cut with a knife. When a leafy 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.
	Nutgrass, seasonal suppression only	1.3 kg	Where control of Nutgrass and Noogoora burr is required, treatments should be applied prior to the onset of frosts. When tank mixed with defoliant, 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.
RICE Direct drilling NSW only	Annual phalaris (Canary grass) Annual ryegrass Barley grass Burr medic Sub. Clover Winter grass	530 g- 660g	Glypho 680 Dry is less effective in drought-stressed plants. In drought conditions a pre-watering prior to spraying is recommended. In grazed situations, if heavy grazing has occurred allow regrowth to 6-8cm before spraying. Annual ryegrass: Add Wetter TX® at 200mL/100L of spray solution and where dominant, use the higher rate. Sowing: Direct drilling may take place 1-14 days after spraying. Glypho 680 Dry does not provide residual weed control. Permanent water and approved selective herbicides should be used to provide continuing control of weeds.

SITUATION	WEEDS CONTROLLED	RATE/HA	CRITICAL COMMENTS
SORGHUM CONTROL (pre-harvest) QLD, NSW only	Sorghum (grain-sorghum) DO NOT apply to varieties intended for seed production or varieties prone to lodging	790-1kg	Apply when grain moisture is less than 25%. Pre-harvest treatments may increase the likelihood of crop lodging. Apply treatments to previously slashed/grazed stubble when at least 20cm of new growth has occurred.
SORGHUM CONTROL (post-harvest) QLD, NSW only	Sorghum stubble (grain-sorghum)	530-790g for fresh regrowth from slashed stubble. 790-1kg for standing stubble if sufficiently green and for fresh spring regrowth.	Caution Sorghum may be naturally toxic to stock.
SUGARCANE Ratoon Spray out Qld, NSW only	Sugarcane ratoon regrowth	2.1 – 4.8kg	APPLY UNDER GOOD GROWING CONDITIONS ONLY to actively growing rations 60-120cm tall. DO NOT apply if plants are under stress from low moisture or waterlogging. Use the lower rate for suppression or where cultivation is to follow. Use the higher rate for control.

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

**WITHOLDING PERIOD
NOT REQUIRED WHEN USED AS DIRECTED.**

GENERAL INSTRUCTIONS

PRODUCT INFORMATION

FARMALINX Glypho 680 Dry Herbicide is a non-volatile, water soluble product with non-selective herbicidal activity against many annual and perennial broadleaf weeds and grasses. FARMALINX Glypho 680 Dry Herbicide may be used for weed control on agricultural land prior to planting any edible or non edible crop but not prior to transplanting tomatoes. FARMALINX Glypho 680 Dry Herbicide is absorbed by plant foliage and green stems. It is inactivated immediately in the soil and does not provide residual weed control. FARMALINX Glypho 680 Dry Herbicide moves throughout the plant from the point of contact to and into the root system. Visible effects on annual weeds take 3-7 days but on perennial weeds may not be obvious for 2-3 weeks or longer in some cases. Visible effects of control may be delayed by cool or cloudy weather at and following treatment. FARMALINX Glypho 680 Dry Herbicide will control emerged weeds only, and provides no residual weed control. Apply treatments to weed which have at least one true leaf (broadleaf weeds) or two leaves (grasses) to provide an adequate surface area for herbicide uptake.

RESISTANT WEEDS WARNING

FARMALINX Glypho 680 Dry Herbicide is a **GROUP M HERBICIDE** member of the Glycines group of herbicides. FARMALINX Glypho 680 Dry Herbicide has the inhibitors of EPSP synthase mode of action. For weed resistance management FARMALINX Glypho 680 Dry Herbicide is a Group M herbicide. Some naturally occurring weed biotypes resistant to FARMALINX Glypho 680 Dry and other Group M 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 FARMALINX Glypho 680 Dry or other Group M herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, FARMALINX Pty Ltd accepts no liability for any losses that may result from the failure of FARMALINX Glypho 680 Dry to control resistant weeds.

CROP ESTABLISHMENT

FARMALINX Glypho 680 Dry is recommended for control of emerged weeds prior to crop establishment. Suitable cultivation and/or sowing operations are required to provide seedbed conditions satisfactory for crop germination and development. Spraying early to control young weeds will favour preparation of suitable seedbeds. On friable soils and where there is only light cover of young weeds, sowing may proceed satisfactory from one day after spraying. In situations of heavy weed growth, sowing should be delayed until weed decay and soil conditions allow formation of a satisfactory seedbed. Incorporation of green or decaying vegetation and roots into the seedbed by cultivation or sowing may cause retarded crop emergence, particularly in cold and/or wet conditions. Vegetation may be reduced by grazing and weed decay may be assisted by cultivation to leave trash on the surface. In marginal seedbed conditions, take care to achieve correct seeding depth and avoid use of pre-emergence herbicides where label directions advise risk of retarded crop emergence.

MIXING

For boom application, water volume should not be less than 6 litres per 1kg of FARMALINX Glypho 680 Dry. Reduced results may occur if water containing soil is used, eg. Water from ponds and unlined ditches, or if hard water containing calcium salts is used. Do not mix, store or apply this product or spray solutions of this product in galvanized steel or unlined steel containers or spray tanks, since a highly flammable gas mixture may be formed. Use stainless steel, aluminium, brass, copper, fibreglass, plastic or plastic lined containers or spray tanks. Spray tanks, pumps, lines and nozzles should be thoroughly cleaned with clean water following application to prevent corrosion. Ensure the spray tank is free of any residue of previous spray materials. Use spray solutions promptly and certainly within 5 days, since gradual loss of activity will occur. Good agitation is required particularly under cold conditions, to ensure all of the FARMALINX Glypho 680 Dry dissolves when first added to the tank.

Full Agitation In Pre-Filled Spray Tank

- Fill the tank with one-half the required amount of clean water and set the pump on full agitation.
- Add the required amount of FARMALINX Glypho 680 Dry slowly to ensure that it is well dispersed throughout the tank and none collects on the bottom. Suggested rate is 10kg in 2-3 minutes.
- Continue water addition and fully agitate until all the FARMALINX Glypho 680 Dry is completely dissolved.

SURFACTANT ADDITION

Additional surfactant is not required except where the rate of FARMALINX Glypho 680 Dry is less than 6g/L when applied by boom. **Rate:** Add Turbo® Plus at 100mL per 100L water. Results with other surfactants may be variable. Do not mix with spraying oils, agricultural chemicals or other materials except as directed on the label.

TANK MIXTURES

FARMALINX Glypho 680 Dry, may be tank-mixed with the following herbicides, insecticides and additives. Read and follow all label directions, restraints, plant back periods, withholding periods, regional use restrictions and safety directions for the tank-mix products.

Mixing Instructions For All Tank Mixtures:

Fill the spray tank 1/3 to 1/2 full with clean water and start agitation. Add FARMALINX Glypho 680 Dry. Mix thoroughly and continue water addition. Where crystalline ammonium sulphate is recommended, wash 2%w/v (2kg/100L spray solution) through a top mesh-screen into the tank and mix thoroughly. Add recommended herbicide/insecticide/additive to the spray tank and mix thoroughly. Add surfactant near the end of the filling process to minimize foaming. Always maintain adequate agitation during application and use the tank mix promptly.

Tank Mixtures – Herbicides

Atrazine* flowable or granular (Agricultural uses only. **DO NOT** apply the tank-mix for control of Barnyard grass or liverseed grass), 2,4-D ester, Farmalinx Dicam, Express®, Farmalinx Tripyr, Farmalinx Tufman, simazine* flowable or granular, Oust®, Yield®, Pendi 330, Farmalinx Metfuron, Farmalinx Triafon, Farmalinx LV MCPA and Farmalinx Oxfan. *Ammonium sulphate may improve the performance of tank mixtures of FARMALINX Glypho 680 Dry and atrazine or simazine. See directions below. The addition of Oxyflurofen at 75mL/ha to recommended rates of FARMALINX Glypho 680 Dry prior to planting wheat or barley will improve knockdown and increase the speed at which treated weeds develop visible symptoms of phytotoxicity.

Tank Mixtures – Additives

Ammonium sulphate (crystalline or liquid 500g/L)
Rate: 2L or 1 kg/100L spray solution.
The addition of crystalline ammonium sulphate to FARMALINX Glypho 680 Dry, when used to control annual weeds MAY improve the performance of FARMALINX Glypho 680 Dry under adverse environmental conditions such as cool, cloudy weather. Ammonium sulphate may also improve the performance of tank mixtures of FARMALINX Glypho 680 Dry and atrazine or simazine. Use only crystalline or liquid (500g/L) ammonium sulphate, **NOT** prilled or granular forms. Ammonium sulphate may be corrosive to metal parts of the sprayer. Thoroughly flush tanks, pumps and nozzles with water after use.

Pulse® Penetrant

Rate: 20mL/10L spray solution
Add when treating bracken (boom application)

Wetter TX® Surfactant

Rate: 20mL/10L spray solution.
Add when treating Annual ryegrass in spring (from the beginning of August to the end of October), Silvergrass and perennial grasses – see critical comments section. Wetter TX® is not a general purpose surfactant and should be used only where recommended.

Tank Mixtures – Insecticides

This product is compatible with the following insecticides. Farmalinx Dimetholinx, Imidan, Le-Mat®, Farmalinx Chlorpos, Metasystox®, Perfekthion® EC 400, Sumithion® ULV and emulsifiable concentrates of dimethoate and fenitrothion. Other insecticides have not been tested.

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APVMA Approval No: 66529/53827

APPLICATION CHECK LIST

- DO NOT treat weeds under poor or dormant growing conditions (such as occur in drought, waterlogging, disease, insect damage or following frosts) as reduced weed control may result. Reduced efficacy may also occur when treating weeds heavily covered with dust or silt.
- DO NOT add additional surfactant or mix with any other agricultural chemicals, herbicides, oils or other materials except as specifically directed on this label.
- Glypho 680 Dry is absorbed by plant foliage and green stems. Rainfall soon after application may wash the herbicide off the weeds, particularly if the weeds are not actively growing, under stress or conditions of low light intensity or darkness.
- Delay treatment of plants wet with dew or rain if water droplets run off when plants are disturbed.
- DO NOT disturb treated weeds by cultivation, sowing or grazing for one day after treatment of annual weeds and 7 days for perennial weeds to ensure herbicide absorption except where noted.
- A withholding period for grazing stock is not required. However, it is recommended that grazing of treated plants be delayed (as recommended above) to ensure herbicide absorption. Certain plants such as Soursob, St John’s Wort and Bracken, may be naturally toxic to stock. Where known toxic plants are present, grazing should be delayed until complete browning of treated plants has occurred.

APPLICATION

FARMALINX Glypho 680 Dry is a non-selective translocated herbicide. Direct spray contact, or even slight drift, may cause severe injury or destruction of any growing crop or other desirable plants including trees. Clean all equipment after use by thoroughly washing with water.

Boom Equipment

For broadcast application, a spray volume of 60L/ha or less is recommended for optimum performance. Fan nozzles equipment is recommended using pressures in the range 240-280kPa. Boom height must be set to ensure double overlap of nozzle patterns at the top of the weed canopy.

High Volume Application

(e.g. Knapsack/Handgun Equipment) The dilution rate is given as g/litre e.g.: 5 grams Glypho 680 Dry per 1 litre of water. This is equal to 75g Glypho 680 Dry per 15 litres of water or 500g per 100 litres of water. Adjust equipment to achieve an even spray pattern. Apply to ensure complete and uniform wetting of all foliage. For handgun equipment, a D6 spray tip (Spraying Systems Australia P/L) or equivalent and an operating pressure of 400-700kPa are recommended.

Aerial Equipment

Aerial equipment may be used to apply Glypho 680 Dry only in pasture or fallow situations prior to establishment of field crops, fodder crops or new pastures and in pre-harvest application to sorghum and cotton crops. **DO NOT** use in intensive horticultural cropping areas. Use recommended rates of Glypho 680 Dry specified in this label up to a maximum limit of 2.1kg/ha.

For Micronair and boom equipment, apply in a minimum spray volume of at least 20L/ha. Droplets with an average size (VMD) of 250-350 micron diameter are recommended. Swath width should be 15-17m. Thoroughly wash aircraft, especially landing gear, after each day of spraying to remove herbicide residues.

Application on hilly terrain

As spraying height may vary, to maximize target contact, increase water volume to 30-80L/ha and increase droplet size to at least 300 micron VMD.

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

FARMALINX

Glypho 680 Dry

HERBICIDE

ACTIVE CONSTITUENTS: 680 g/Kg GLYPHOSATE (present as the monoisomium salt)

GROUP **M** HERBICIDE

For the control of many annual and perennial weeds in certain situations as per the directions for use table.

IMPORTANT: THIS LEAFLET IS PART OF THE LABEL ENCLOSED IN THE CONTAINER. READ THOROUGHLY BEFORE OPENING OR USING THIS PRODUCT.

Application under summer conditions

High temperatures and/or low relative humidity cause excessive evaporation of spray droplets which may reduce results. When ambient temperature reaches 25°C, increase water volume to at least 30L/ha and increase droplet size to at least 300 micron VMD. **DO NOT** apply Glypho 680 Dry by aircraft when ambient temperature is above 30°C.

AVOID DRIFT

DO NOT use with spraying equipment or under meteorological conditions which could be expected to cause spray drift onto nearby susceptible plants, adjacent crops, crop lands or pastures. Equipment settings which produce fine droplets (150 micron or less), winds over 8km/h, inversion conditions, still air and hot dry days all contribute to drift.

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 container. 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 dry, cool, well-ventilated area out of direct sunlight. Single rinse before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. Puncture or shred 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.

SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the 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 day’s use wash gloves, face shield or goggles and contaminated clothing.

FIRST AID

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

MATERIAL SAFETY DATA SHEET

Additional information is listed in the material safety data sheet (MSDS). A material safety data sheet for FARMALINX Glypho 680 Dry Herbicide is available from FARMALINX Pty Ltd on request. Call Customer Service on 02 9389 2455.

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. No warranty (other than non-excludable statutory warranties) of merchantability or fitness for a particular purpose, express or implied, extends to the use of the product contrary to label instructions, or under off-label permits not endorsed by FARMALINX Pty Ltd or under abnormal conditions. FARMALINX Pty Ltd accepts no liability for any loss or damage arising from incorrect storage, handling or use.