

FARMALINX

Ka-Boom

HERBICIDE

DIRECTIONS FOR USE

RESTRAINTS

DO NOT apply to weeds that are not actively growing or stressed by any cause such as adverse weather conditions, drought, waterlogging. Broadleaf weeds under stress frequently become less susceptible to herbicide activity. This may result in an incomplete kill or only growth suppression. If heavy grazing has occurred allow regrowth before spraying.

Minimum volumes of prepared spray to be applied:

- ground application - 50 L/ha
- aerial application - 20 L/ha.

Use prepared spray suspensions within two days of preparation, otherwise significant breakdown may occur.

DO NOT apply if rainfall is expected within 2 hours.

FARMALINX KA-BOOM alone – NSW and Qld only

SITUATION	WEEDS CONTROLLED	RATE g/ha	WEED GROWTH STAGE AT APPLICATION	CRITICAL COMMENTS
As a herbicide resistance countering measure, DO NOT use an ALS inhibitor herbicide in the crop following the use of FARMALINX KA-BOOM alone as a preceding fallow or pre-crop treatment				
FALLOW and PRE-CROP (Refer to Crop options section for minimum intervals between application and sowing)	Amaranthus /Boggabri weed (<i>Amaranthus mitchellii</i>)	25	Apply up to the 10 leaf stage.	
	Caltrop/Yellowvine (<i>Tribulus terrestris</i>)			
	Common Sowthistle /Milk thistle (<i>Sonchus oleraceus</i>)			
	Deadnettle (<i>Lamium amplexicaule</i>)	Apply up to the 6 leaf stage.	If weeds are at a more advanced growth stage and/or are present in high numbers (greater than 50 per m ²) use a Glyphosate mixture as specified in KA-BOOM + Glyphosate Tank mix table.	
Medics (Native) (<i>Medicago</i> spp.)	30	Apply up to 5 cm diameter.		
New Zealand Spinach (<i>Tetragonia tetragonoides</i>)	20	Apply up to the 10 leaf stage.		
Prickly Lettuce (<i>Lactuca serriola</i>)	30	Apply up to the 4 leaf stage.	If weeds are at a more advanced growth stage and/or are present in high numbers (greater than 50 per m ²) use a Glyphosate mixture as specified in KA-BOOM + Glyphosate Tank mix table.	

Always add non-ionic surfactant (1000 g/L - non buffering type), ie WetDrop Wetter at 100 mL/100 L (0.1 % v/v) of final spray volume. When applying FARMALINX KA-BOOM Herbicide alone by air in addition to a non-ionic surfactant add a mineral spray oil at 1 L/100 L (1% v/v) of final spray volume.

KA-BOOM + Glyphosate Tank mixes - NSW and Qld Only

For the control of these weeds in addition to those in the FARMALINX KA-BOOM alone table.

SITUATION	WEEDS CONTROLLED	RATE g/ha	WEEDS GROWTH STAGE AT APPLICATION	CRITICAL COMMENTS
FALLOW and PRE-CROP (Refer to Crop Options section for minimum intervals between application and sowing)	Black bindweed (<i>Fallopia convolvulus</i>)	25 + Glyphosate (450 g/L) 600 mL/ha	Apply up to the 10 leaf stage.	For best control, apply to small actively growing weeds. Larger weeds are more difficult to control.
	Common thornapple (<i>Datura stramonium</i>)	20 + Glyphosate (450 g/L) 400 mL/ha	Apply up to the 8 leaf stage.	
	Deadnettle (<i>Lamium amplexicaule</i>)	25 + Glyphosate (450 g/L) 400 mL/ha	Apply up to the 10 leaf stage.	
	Mintweed (<i>Salvia reflexa</i>)	15 + Glyphosate (450 g/L) 600 mL/ha		
Pigweed/Portulaca (<i>Portulaca oleracea</i>)	20 + Glyphosate (450 g/L) 600 mL/ha	Apply up to the 6 leaf stage.		
Prickly Lettuce (<i>Lactuca serriola</i>)	600 mL/ha			

Always add non-ionic surfactant (1,000 g/L - non buffering type), ie WetDrop Wetter at 100 mL/100 L (0.1 % v/v) of final spray volume.

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

Best results are obtained when FARMALINX KA-BOOM herbicide is applied to young actively growing weeds. The rate will depend on weed spectrum at time of application. The degree of control and duration of effect are dependent on rate used, sensitivity and size of target weeds and environmental conditions at the time of and following application.

FARMALINX KA-BOOM herbicide stops growth of susceptible weeds rapidly. However, typical symptoms of dying weeds (discolouration) may not be noticeable for 1 to 3 weeks after application depending on the environmental conditions and susceptibility. Warm, moist conditions following treatment promote the activity of FARMALINX KA-BOOM herbicide, while cold, dry conditions delay activity. Weeds hardened-off by cold weather and/or drought stress will be less susceptible.

Where recommended the addition of Glyphosate will enhance knockdown and control of weeds. It also helps minimise the risk of resistant weeds occurring.

RESISTANT WEEDS WARNING

FARMALINX KA-BOOM Herbicide is a member of the Sulfonylurea group of herbicides. FARMALINX KA-BOOM has the inhibitors of Acetolactate Synthase (ALS inhibitors) mode of action. For weed resistance management, FARMALINX KA-BOOM is a Group B herbicide. Some naturally-occurring weed biotypes resistant to FARMALINX KA-BOOM 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 resistant weeds will not be controlled by FARMALINX KA-BOOM or other Group B 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 KA-BOOM to control resistant weeds.

Large numbers of healthy surviving weeds can be an indication that resistance is developing. Efforts should be taken to prevent seed set of these survivors. DO NOT use an ALS inhibitor herbicide against the same weed in the crop following the use of FARMALINX KA-BOOM herbicide alone either as a fallow or pre-crop treatment. This does NOT apply if the fallow or pre-crop use of FARMALINX KA-BOOM herbicide was tank mixed with glyphosate. Avoid the prolonged use of Group B herbicides on the same weed population.

If the user suspects that a Group B herbicide resistant weed is present, FARMALINX KA-BOOM herbicide or other Group B herbicides recommended for the control of that weed should not be used.

Strategies to minimise the risk of herbicide resistance are available. Consult your farm chemical supplier, consultant, local Department of Agriculture or Primary Industries, or local FARMALINX Representative.

GROUP B HERBICIDE

www.farmalinx.com

CONTINUED OVERLEAF

empty containers or product with relevant Local, State or Territory government regulation. Do not burn clear of waterways, desirable vegetation and tree roots, in compliance surface in a disposal pit specifically marked and set up for this purpose approved waste management facility. If an approved waste management recycling, break, crush or puncture and deliver empty packaging to an return clean containers to recycler or designated collection point. If not not dispose of undiluted chemicals on-site. If recycling, replace cap and Triple rinse containers before disposal. Add rinsings to the spray tank. Do animals, food, feedstuffs, seed and fertilisers. Do not reuse containers. fungicides and seeds. Store in a locked room or place away from children, Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Keep from contact with fertilisers, insecticides, If the user suspects that a Group B herbicide resistant weed is present, FARMALINX KA-BOOM herbicide or other Group B herbicides recommended for the control of that weed should not be used.

2 to 3 days to ensure adequate control is achieved. The use pattern is such that a withholding period for harvest or grazing is not required. It is recommended, however, not to graze treated areas for 2 to 3 days to ensure adequate control is achieved.

PROTECTION OF LIVESTOCK
The use pattern is such that a withholding period for harvest or grazing is not required. It is recommended, however, not to graze treated areas for 2 to 3 days to ensure adequate control is achieved.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT
Do NOT contaminate streams, rivers or waterways with the chemical or used containers.

PROTECTION OF AQUATIC PLANTS
Do NOT apply under weather conditions, or from spraying equipment that result from failure to observe the following:
DO NOT spray to drift onto nearby susceptible plants/crops, cropping that may cause spray to drift onto nearby susceptible plants/crops, cropping that lands or pastures.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS
Injury to or loss of desirable trees, vegetation including aquatic plants may result from failure to observe the following:
DO NOT spray to drift onto nearby susceptible plants/crops, cropping that may cause spray to drift onto nearby susceptible plants/crops, cropping that lands or pastures.

Crop Safety

DO NOT apply TUFMAN, METFURON or TRIAFON in a tank mix with FARMALINX KA-BOOM herbicide as a fallow or pre-crop treatment.

Spray Preparation

FARMALINX KA-BOOM herbicide is a Water Dispersible Granule formulation to be mixed with water and applied as a spray. Partially fill the spray tank with water. Measure the amount of FARMALINX KA-BOOM herbicide required for the area to be sprayed. Add the correct amount of FARMALINX KA-BOOM herbicide to the spray tank with the agitation system engaged. Top up to the correct volume with water.

THE MATERIAL MUST BE KEPT IN SUSPENSION AT ALL TIMES BY CONTINUOUS AGITATION.

In tank mixes, FARMALINX KA-BOOM herbicide must be in suspension before adding the companion herbicide or surfactant/wetting agent.

Compatibility

FARMALINX KA-BOOM herbicide is compatible with glyphosate herbicides e.g. BAZOOKA, WARLORD, SIXGUN or GLYPHO 450.

Use of Surfactant/Wetting Agent

Always add non-ionic surfactant (1000 g/L - non buffering type) ie WETDROP WETTER at 100 mL/100 L (0.1 % v/v) of final spray volume. When applying FARMALINX KA-BOOM herbicide alone by air in addition to a non-ionic surfactant add a mineral spray oil at 1 L/100 L (1 % v/v) of final spray volume.

Ground Spraying

Use a boom spray properly calibrated to a constant speed and rate of delivery to ensure through coverage and a uniform spray pattern. Avoid overlapping and shut off spray booms while starting, turning, slowing or stopping. Apply a minimum of 50 L prepared spray/ha.

alkaline soils. For the above summer crops, if minimum soil temperatures at planting depth are less than or equal to 15 °C for three consecutive days, then plantback intervals should be extended to 21 days. ** As a herbicide resistance countering measure, DO NOT use an ALS inhibitor herbicide in any of these crops following the use of FARMALINX KA-BOOM herbicide alone as a preceding fallow or pre-crop treatment. Tolerance of other crops (grown through to maturity) should be determined on a small scale before resowing into larger areas.

Minimum Interval
3 Days
7 or 21 Days
Crops**
Barley
Wheat
Maize
Mung beans
Sorghum
Soybeans
Sunflowers

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7 or 21 Days
Crops**
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Mung beans
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Crop Options
Land previously treated with FARMALINX KA-BOOM herbicide may be followed to any of the specified crops after the interval indicated in the following table:

Aerial Spraying

Apply in a minimum of 20 L/ha water. Application in 30 L/ha will improve performance reliability. Avoid spraying in still conditions and in winds likely to cause drift onto adjacent sensitive crops or fallow areas likely to be planted to these crops - see Crop Options section. Turn off spray boom whilst passing over creeks and dams.
DO NOT apply when a temperature air inversion is likely to occur.

Sprayer Cleanup

To avoid subsequent injury to crops immediately after spraying thoroughly remove all traces of FARMALINX KA-BOOM herbicide from mixing and spray equipment as follows:

- Immediately after spraying, drain tank completely. Any contamination on the outside of the spraying equipment should be removed by washing with clean water.
- Rinse inside of tank with clean water and flush through boom and hoses using at least one-tenth of the spray tank volume. Drain tank completely.
- Half fill tank with clean water adding household ammonia to give a 1 % solution (equivalent ratios include 1/3 L household ammonia product (containing 9.5 % ammonia) for each 100 L of tank volume. Agitate, and then flush the boom and hoses with the cleansing solution. Top up with water making sure the tank is completely full and allow to stand for 15 minutes with agitation engaged. Again flush the boom and hoses and drain tank completely.
- Nozzles and screens should be removed and cleaned separately with ammonia solution at the same concentration as used for the sprayer.
- Rinse the tank with clean water and flush through boom and hoses using at least one-tenth of the spray tank volume. Drain tank completely.
- DO NOT spray the tank rinsate onto sensitive crop or land intended for cropping with sensitive crop.

Note: if it is not possible to drain the tank completely, step 3 must be repeated before going to step 4.

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

FIRST AID
If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126.
After each day's use, wash gloves and face shield or goggles.

SAFETY DIRECTIONS
Will irritate the eyes. Avoid contact with eyes. When preparing spray wear below-length PVC gloves and face shield or goggles. If product in eyes, wash out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

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 product contrary to label instructions, or under off-label permits 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.

farmalinx
Partners in Agriculture

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APVMA Approval No. 80662/101354

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

Ka-Boom
HERBICIDE

ACTIVE CONSTITUENT: 750 g/kg TRIBENURON-METHYL

GROUP B HERBICIDE

For the control of certain broadleaf weeds in fallow and pre-crop situations as per Directions for Use Table.

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

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