



Product Name: Farmalinx Brigadier Herbicide  
APVMA Approval No: 81480/136729

Label Name:	ProForce Quake Herbicide
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Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Constituent Statements:	ACTIVE CONSTITUENTS: 240 g/L TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER 120 g/L PICLORAM AS ISOOCTYL ESTER  SOLVENT: 389 g/L LIQUID HYDROCARBON
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Mode of Action:	GROUP 4 HERBICIDE
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Statement of Claims:	For selective control of a wide range of woody and noxious weeds in commercial and industrial areas, public lands, fence lines and pastures, by basal bark and cut stump applications as specified in the Directions for Use.
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Net Contents:	1 L - 110 L
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Restraints:	DO NOT add water to QUAKE Herbicide. DO NOT apply to weeds which may be stressed (not actively growing) due to prolonged periods of extreme cold, moisture stress (water-logged or drought affected), poor nutrition, presence of disease, or previous herbicide treatment as reduced levels of control may result. DO NOT apply to charcoal coated or wet stems as this can repel the diesel mixture.
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Directions for Use:	This section contains file attachment.
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Other Limitations:	<b>FOR NATIVE VEGETATION</b> Use of QUAKE on native vegetation must be done in accordance with STATE and/or LOCAL legislation.
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Withholding Periods:	NOT REQUIRED WHEN USED AS DIRECTED.
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Trade Advice:	
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General Instructions:	This section contains file attachment.
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Resistance Warning:	<b>RESISTANT WEEDS WARNING GROUP 4 HERBICIDE</b>  ProForce QUAKE Herbicide is a member of the pyridines group of herbicides. The product has the disrupters of plant cell growth mode of action. For weed resistance management the product is a Group 4 Herbicide. Some naturally occurring weed biotypes resistant to the product and other Group 4 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 this product or other Group 4 Herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Indigo Specialty Products Pty Ltd accepts no liability for any losses that may result from the failure of QUAKE Herbicide to control resistant weeds. Strategies to minimise the risk of herbicide resistance are available. Contact your farm chemical supplier, consultant, local Department of Agriculture, or local Indigo Specialty Products representative.
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Precautions:	
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Protections:	<b>PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS</b> Treat target weeds only. DO NOT allow mixture to contact non-target species. DO NOT use on land to be cultivated for growing sensitive plants. Legumes, vines, vegetables, cotton, tomatoes, ornamentals, coniferous species and many other broadleaf plants are highly susceptible to Quake during both growing and dormant periods. Picloram, one of the active ingredients in this product, can remain active in the soil for extended periods depending on soil type, rainfall, temperature, humidity, soil moisture and soil organic matter. DO NOT move soil, which has been sprayed, to areas where desirable plants are to be grown. DO NOT apply when the treated soil may be washed to areas growing, or to be planted with desirable plants. DO NOT apply close to, or on, areas containing roots of desirable plants, or sites where surface water from heavy rain can be expected to run off to areas containing, or to be planted to, susceptible crops or plants.  <b>PROTECTION OF LIVESTOCK, WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT</b> DO NOT contaminate streams, rivers or watercourses with the chemical or used containers.
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Alongside waterways treat only noxious weeds and poisonous plants.

Storage and Disposal:	<p>Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Triple-rinse containers before disposal. Add rinsings to the 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 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 regulation. Do not burn empty containers or product.</p> <p>For refillable containers, empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.</p> <p>Envirodrum Micro Matic Valve (110 L): Store the original sealed Envirodrum in a cool well-ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT tamper with the Micro Matic valve or the security seal. DO NOT contaminate the Envirodrum with water or any foreign matter. After each use of the product, please ensure that the Micro Matic coupler delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the Envirodrum have been used, please return the Envirodrum to the point of purchase. The Envirodrum remains the property of Indigo Specialty Products Pty Ltd.</p> <p><b>SMALL SPILL MANAGEMENT</b></p> <p>Wear protective equipment (see SAFETY DIRECTIONS). Apply absorbent material such as earth, sand, or clay granules or cat litter to the spill. Sweep up material for disposal when absorption is completed and contain in a refuse vessel for disposal (see STORAGE AND DISPOSAL section). If necessary, wash the spill area with an alkali detergent and water and absorb as above the wash liquid for disposal.</p>
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Safety Directions:	Harmful if swallowed. Will irritate the eyes, nose, throat and skin. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. Avoid inhaling vapour or spray mist. When opening the container and preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrists, a washable hat and elbow-length neoprene gloves and a face shield or goggles. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. 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.
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First Aid Instructions:	If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.
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First Aid Warnings:	
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## DIRECTIONS FOR USE

See GENERAL INSTRUCTIONS - APPLICATION section for application method details.

### DIRECTIONS FOR USE

#### AGRICULTURAL NON-CROP AREAS, COMMERCIAL AND INDUSTRIAL AREAS, FENCE LINES, FORESTRY, PASTURES AND RIGHTS-OF-WAY.

WEEDS CONTROLLED	WEED GROWTH STAGE	RATE/60 L DIESEL	CRITICAL COMMENTS
Acacia spp. including: Black wattle* Brigalow* Hickory wattle* Mimosa bush Mulga* Sally wattle* Silver wattle*	<b>Basal bark method:</b> Plants with stems up to 5 cm basal diameter.  <b>Cut Stump method:</b> Plants up to and in excess of basal bark size. Apply immediately after cut is made.	1 L	Ensure all stems on multi-stemmed varieties are treated: Delay treatment until all regrowth on bulldozed or ploughed land has had time to emerge to a height of at least one metre. Root suckering wattles will need follow-up treatment.
African boxthorn			Treat all stems on multi-stem plants.
Algaroba ( <i>Prosopis</i> spp.)			
<i>Angophora</i> spp. regrowth			
Australian blackthorn			This species may become dormant so should not be treated during winter.
Bitterbark			Regrowth from roots may occur.
Broadleaf privet		2L	
Brush box			Treat single stemmed seedling plants only.
Cacti including: Common pest pear <i>Harrisia</i> cactus Prickly pear Snake cactus Tiger pear Tree pear		1L	Apply as an overall spray, wetting all areas of the plant to ground level.
Cockspur thorn*			
Corkwood wattle			Basal bark application only. Species with old, rough bark require more thorough wetting than smooth barked species. Some regrowth may still occur.
<i>Corymbia</i> spp.*			
Ellangowan poison bush			
<i>Eucalyptus</i> spp. regrowth			

AGRICULTURAL NON-CROP AREAS, COMMERCIAL AND INDUSTRIAL AREAS, FENCE LINES, FORESTRY, PASTURES AND RIGHTS-OF-WAY.			
WEEDS CONTROLLED	WEED GROWTH STAGE	RATE/60 L DIESEL	CRITICAL COMMENTS
False sandalwood			
Green cestrum			
<i>Grevillea</i> spp.			
Groundsel bush			
Guava		2L	Regrowth may occur from roots of the main tree.
Hard milkwood		1L	
Hawthorn			
Heartleaf poison bush			
Honey locust			
Kiteleaf poison			
Leucaena*			
Limebush			Treat single stem plants only.
Lantana			
Narrow leaf hop bush			
Needlewood			
Oleander			
Parkinsonia*			
Punty bush			
Red ash (white myrtle)			
Rubbergrove			
Swamp box		2 L	Treat single stemmed seedling plants only.
Sweet briar		1L	Do not treat during winter.
Tea trees			
Turpentine			
Turpentine bush			
Whitewood			
Wild orange			Basal bark treatment only.
Wild peach			
Wild Rosemary			
Wild tobacco tree			Cut stump treatment only.
Wilga			
Yellow bells ( <i>Tecoma</i> spp.)			Some root suckering may occur.

AGRICULTURAL NON-CROP AREAS, COMMERCIAL AND INDUSTRIAL AREAS, FENCE LINES, FORESTRY, PASTURES AND RIGHTS-OF-WAY.			
WEEDS CONTROLLED	WEED GROWTH STAGE	RATE/60 L DIESEL	CRITICAL COMMENTS
Camphor laurel	Basal bark method: Plants with stems up to 10 cm basal diameter.		Species that become dormant should not be treated during winter.
Peppercorn tree ( <i>Schinus molle</i> )			Basal bark method only.
Prickly acacia			
Sisal hemp	<b>Cut Stump method:</b> Plants up to and in excess of basal bark size. Apply immediately after cut is made.		Basal bark method only.
Tree of Heaven			Species that become dormant should not be treated during winter.
Willow		4 L	Cut stump method only. Complete control may not occur due to the multi-stem growth of plant and difficulty treating all stems.
Chinee apple	<b>Basal bark method:</b> Plants with stems up to 15 cm basal diameter.  <b>Cut stump method:</b> Plants up to and in excess of basal bark size. Apply immediately after cut is made.	1 L	
*The smooth stemmed species <i>Acacia</i> spp. (excluding Mimosa bush), Cockspur thorn, <i>Corymbia</i> spp., Leucaena and Parkinsonia can be treated using the alternative Quake Thinline method for basal bark application. Please refer to the following table.			

**QUAKE THINLINE BASAL BARK APPLICATION FOR SMOOTH STEMMED SPECIES:**  
See GENERAL INSTRUCTIONS - APPLICATION section for application method details.

AGRICULTURAL NON-CROP AREAS, COMMERCIAL AND INDUSTRIAL AREAS, FENCE LINES, FORESTRY, PASTURES AND RIGHTS-OF-WAY.			
WEEDS CONTROLLED	WEED GROWTH STAGE	RATE /10 L DIESEL	CRITICAL COMMENTS
Acacia spp. including: Black wattle Brigalow Hickory wattle Mulga Sally wattle Silver wattle	Basal bark method: Plants with stems up to 5 cm basal diameter	1 L	Spray the bark around the stem from ground level up to 5 cm high.  Ensure all stems on multi-stemmed varieties are treated. Delay treatment until all regrowth on bulldozed or ploughed land has had time to emerge to a height of at least one metre. Root suckering wattles will need follow-up treatment.
Cockspur thorn			

**AGRICULTURAL NON-CROP AREAS, COMMERCIAL AND INDUSTRIAL AREAS, FENCE LINES, FORESTRY, PASTURES AND RIGHTS-OF-WAY.**

WEEDS CONTROLLED	WEED GROWTH STAGE	RATE /10 L DIESEL	CRITICAL COMMENTS
<i>Corymbia</i> spp.			
<i>Leucaena</i>			
<i>Parkinsonia</i>			

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

## **GENERAL INSTRUCTIONS**

### **MIXING**

**ProForce QUAKE Herbicide is designed for use with diesel distillate only. It will NOT mix with water.**

Quarter fill the spray unit or mixing container with diesel and add the required amount of QUAKE. Add the remaining diesel and shake or agitate thoroughly to mix the contents. Only mix sufficient chemical for each day's work, mixing periodically.

### **Dilution Table**

<b>Rate</b>	<b>Volume of QUAKE Herbicide</b>			
1 L/60 L	17 mL	83 mL	167 mL	250 mL
2 L/60 L	33 mL	167 mL	333 mL	500 mL
4 L/60 L	67 mL	333 mL	667 mL	1L
1 L/60 L	100 mL	500 mL	1L	1.5 L
Volume of Diesel added after QUAKE	Fill to 1L	Fill to 5 L	Fill to 10 L	Fill to 15 L

### **COMPATIBILITY**

QUAKE is compatible with diesel and should not be used or diluted with any other chemicals.

### **GENERAL APPLICATION**

Apply only with hand-directed equipment such as a pneumatic sprayer. The use of diesel as a herbicide carrier may affect the rubber seals in some sprayers. To avoid this, use sprayers, which use Viton® seals and fittings.

Spray equipment should be used at low pressures, up to 200 kPa, to avoid splashing.

Ensure all stems on multi-stemmed varieties are treated. Delay treatment until all regrowth on bulldozed or ploughed land has had time to emerge to a height of at least 1 metre.

Species that lose their leaves e.g. sweet briar; or become dormant, e.g. Australian blackthorn or camphor laurel, should not be treated during winter.

Species with old, rough bark require more thorough wetting than the smooth barked species.

**DO NOT** apply to charcoal coated or wet stems as this can repel the diesel mixture.

### **Basal Bark Application Method**

Dilute the indicated volume of QUAKE with diesel up to a total volume of 60 L. Liberally spray the bark around the stem from ground level to 30 cm high, wetting thoroughly to the point of runoff (unless otherwise stated).

QUAKE Thinline basal bark application method: Alternatively, the application band can be reduced to 5 cm high but with the concentration increased proportionally (one part Quake diluted with 9 parts diesel) for the treatment of the smooth stemmed woody weed species: *Acacia* spp. (excluding Mimosa bush), Cockspur thorn, *Corymbia* spp., Leucaena and Parkinsonia, also indicated with asterisks in the Directions for Use tables.

### **Cut Stump Method**

Stems should be cut less than 15 cm above ground level.

**Immediately** apply Quake diesel mixture **liberally** to the **freshly** cut stump by spraying the cut surface and sides of the stem.

### **CLEANING SPRAY EQUIPMENT**

**Rinse water should be discharged onto a designated disposal area or, if this is unavailable, onto unused land away from desirable plants and watercourses.**

After completion of spraying, use a degreaser such as Caltex Kwik-D-Grease® to remove traces of diesel from the sprayer. Rinse tank and spray through nozzles thoroughly with water to remove degreaser.

After the above, quarter fill the tank with clean water and add a alkali detergent, (e.g. liquid SURF®, OMO®, DRIVE® at 500 mL/100 L of water or the powder equivalent at 500 g/100L of water). If using a concentrated laundry detergent use 250 g (or mL)/100 L water.

Do not use chlorine based cleaners.

Shake the water around the sprayer and spray the solution through the nozzles to thoroughly clean the lines and nozzles. Rinse well with clean water to remove detergent.  
To clean brushes and container, spray liberally with degreaser. Hose off thoroughly with water and repeat using detergents (see above).  
**DO NOT** use this equipment for any other purpose.