

# CAUTION

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

*KENSO AGCARE*

# FLUROKEN

# 333

## HERBICIDE

ACTIVE CONSTITUENT: 333 g/L FLUROXYPYR present as the METHYLHEPTYL ESTER  
SOLVENT: 435 g/L LIQUID HYDROCARBONS

**GROUP 4 HERBICIDE**

For the control of a wide range of broadleaf weeds in fallow, lucerne, maize, millets, pastures, poppies, sorghum, sugar cane, sweetcorn, winter cereals. Also for the control of woody weeds in agricultural non-crop areas, commercial and industrial areas, forests, pastures and rights-of-way, as specified in the Directions For Use.



Kenso Corporation (M) Sdn Bhd  
Level 1, 98 Commercial Road,  
Teneriffe QLD 4005  
Phone (07) 3216 1188  
[www.kenso.com.au](http://www.kenso.com.au)

**IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE**

**CONTENTS: 20 Litres APVMA Approval No.: 65644/ 51486**

# KENSO AGCARE FLUROKEN 333 HERBICIDE

## STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers. 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 bury empty containers in a local authority landfill. If no landfill is 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 and product should not be burnt.

### 110L Mini Bulk Returnable Container (110L only)

Store the original sealed drum in a cool well-ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT tamper with the non-return valve or the security seal. DO NOT contaminate the drum with water or any foreign matter.

After each use of the product, please ensure that the non-return valve, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the drum have been used, please return the empty drum to the point of purchase.

### Refillable containers (1000L only)

Store in the closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

## SMALL SPILL MANAGEMENT

Wear protective equipment (See SAFETY DIRECTIONS). Apply absorbent material such as earth, sand, 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.

## SAFETY DIRECTIONS

Will irritate the eyes and skin. Avoid contact with eyes and skin. Sensitive workers should use protective clothing. When opening the container, preparing the spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow length PVC gloves, a face shield or goggles. Wash hands after use. After each day's use wash gloves, face shield and contaminated clothing.

## FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone 13 11 26). If swallowed, DO NOT induce vomiting. Give a glass of water.

## SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet which can be obtained from [www.kenso.com.au](http://www.kenso.com.au).

## CONDITIONS OF SALE

Kenso Corporation (M) Sdn. Bhd. will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply of these goods other than responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by Statutes applicable to the sale or supply of these goods. To the extent allowed by such Statutes the liability of Kenso Corporation (M) Sdn. Bhd. is limited to the replacement of the goods or (at the option of Kenso Corporation (M) Sdn. Bhd.) the refund of the price paid and where possible sufficient part of the goods to enable proper examination being returned to Kenso Corporation (M) Sdn. Bhd. within thirty days of delivery.

In a Transport Emergency  
Dial **000**  
Police or Fire Brigade



Additional statements required by Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia: **COMBUSTIBLE LIQUID. MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. CAUSES SKIN IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES SERIOUS EYE IRRITATION. MAY CAUSE RESPIRATORY IRRITATION.** *Precautionary:* Keep away from heat/sparks/open flames/hot surfaces and other ignition sources. - No smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash contacted areas thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, protective clothing and eye or face protection. IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTRE or doctor/physician if you feel unwell. Specific treatment (see FIRST AID on this label). DO NOT induce vomiting. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use water fog, foam, dry agent (carbon dioxide, dry chemical powder) to extinguish. Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Batch No.:

Date of Manufacture:

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**KENSO**  
Herbicide

**FLUROKEN**  
**333**

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For the control of a wide range of Broadleaf Weeds in Fallow, Lucerne, Maize, Millets, Pastures, Poppies, Sorghum, Sugar cane, Sweetcorn, Winter Cereals. Also for the control of Woody Weeds in Agricultural Non-Crops Areas, Commercial and Industrial Areas, Forests, Pastures and Rights-of-way, as specified in the Directions For Use.

READ THIS LEAFLET BEFORE USE

APVMA Approval No.: 65644/51486



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RESISTANT WEEDS WARNING

**GROUP 4 HERBICIDE**

Kenso Agcare Fluroken 333 Herbicide is a member of the pyridine group of herbicides. The product has disruptors 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, Kenso Corporation (M) Sdn Bhd accepts no liability for any losses that may result from the failure of this product 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 Kenso Agcare local representative.

**PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS**

- Susceptible crops include but are not limited to clovers, cotton, fruit, hops, lupins, ornamentals, peas, pine tree, potatoes, navy beans, safflower, shade trees, soybeans, sunflower, tobacco, tomatoes, vegetables, and vines.
- Fluroken 333 can be damaging to susceptible crops during both growing and dormant periods.

- Grasses are normally unaffected by Fluroken 333 and establish quickly after treatment. Transitory damage can occur on some species particularly those that spread by stolons such as couch grass (*Cynodon dactylon*), Kikuyu grass and carpet grass (*Axonopus* sp.).
- DO NOT allow spray to drift onto susceptible crops, shade trees and *Pinus* spp.
- DO NOT use under weather conditions or from spraying equipment, which could be expected to cause spray to drift onto nearby susceptible plants.

**PROTECTION OF LIVESTOCK**

- DO NOT graze or cut treated crops for stock food except as specified under withholding periods.
- Poisonous plants may become more palatable after spraying; therefore livestock should be kept out of the area until the plants have died down.
- DO NOT allow stock to re-enter paddocks containing treated poisonous plants, until the plants have died down.

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

- DO NOT contaminate streams, rivers or waterways with the chemical or used containers.
- Alongside waterways, treat only noxious weeds and poisonous plants.

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**DIRECTIONS FOR USE:**

**RESTRAINTS:**

- DO NOT apply to plants which may be stressed (not actively growing) due to prolonged periods of extreme cold, moisture stress (waterlogged or drought affected), poor nutrition, presence of disease, or previous herbicide treatment as reduced levels of control may result.
- Thorough coverage of both foliage and stems, to the point of runoff, is essential for high volume applications (see GENERAL INSTRUCTIONS: application methods WOODY WEED SITUATIONS section).
- DO NOT spray if rain is likely within one hour.

**Table 1. Woody Weeds in Agricultural non-crop areas and Rights-of-way, Commercial and Industrial areas, Forests and Pastures**

HIGH VOLUME APPLICATION: Dilute product with water See General Instructions - Application Method for application details				
WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE mL/100L of water	CRITICAL COMMENTS
Bathurst burr Noogoora burr	Seedlings and young plants up to 40 cm high	NSW, NT, Qld, WA only	45	
Black bindweed (Climbing buckwheat)	Seedlings and young plants before flowering	NSW, Qld only	180	
<i>Mimosa pigra</i>	Apply from mid to late summer.	NT, WA only		Add Uptake* Spraying Oil (see GENERAL INSTRUCTIONS; Oils and surfactants)
Common sensitive plant	Seedlings and young plants up to flowering	Qld, WA only	300	
Bellyache bush		Qld, NSW, WA only		
Blackberry nightshade Bokhara clover		NSW, Qld only		
Caltrop (yellow vine) ( <i>Tribulus terrestris</i> ) ( <i>T. micrococcus</i> )	Seedlings and young plants up to 30 cm diameter.			
Cobblers pegs	Up to 15 cm high			
Cockspur thorn	Up to 3 m high			
Creeping lantana	At flowering			
Crofton weed Mistflower	Seedlings and young plants up to flowering			
Docks ( <i>Rumex</i> spp.)	Seedlings and rosettes up to 30 cm high.			
Hexham scent	Seedlings and young plants up to flowering			Boom spray; Fluroken 333 at 0.18L/ha + 0.4L/ha of Ken-Amine 625.
Honey locust	Seedlings and young plants up to 2 m high			
Small flowered mallow (Marshmallow) ( <i>Malva parviflora</i> )	Seedlings and young plants up to flowering			
Yellowflower Devil's claw	Seedlings and young plants up to flowering			
Lantana	Seedlings and regrowth 0.5 to 1.2 m high Plants and regrowth 1.2 to 2 m high		600	Apply to actively growing plants from October to April. Some regrowth may occur particularly when treating old woody plants with sparse canopies.
Blue heliotrope	Flowering			
Limebush	Infestations up to 1.5 m high only			
Madeira vine	Apply at time of active growth		300	
Milkweed ( <i>Euphorbia heterophylla</i> )	3 leaf to flowering	Qld only	600	Repeat applications will be necessary to control subsequent germinations.

**Table 1. Woody Weeds in Agricultural non-crop areas and Rights-of-way, Commercial and Industrial areas, Forests and Pastures**

HIGH VOLUME APPLICATION: Dilute product with water See General Instructions - Application Method for application details				
WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE mL/100L of water	CRITICAL COMMENTS
Common sowthistle	Seedlings and young plants up to bolting	NSW, Qld only	300	Add surfactant (See GENERAL INSTRUCTIONS; Oils and surfactants).
Mother-of-millions ( <i>Kalanchoe</i> spp.)	Seedling and young plants before flowering		360	
Prickly acacia	Seedling and young plants up to 2 m high.	Qld only	450	Add Uptake Spraying Oil (See GENERAL INSTRUCTIONS; Oils and surfactants). Cons, Charters Towers, for specific advice on application.
<i>Sida</i> spp.	Seedlings and young plants up to flowering.	NSW, NT Qld, WA	600	
Broadleaf Pepper tree ( <i>Schinus terebinthifolius</i> ) QLD only	Mature leaves, fruiting	Qld only	300	Winter application only.
Flannel weed ( <i>Sida cordifolia</i> )				
Snakeweed, (Dark and light blue)	Seedling and young plants before flowering		450	Add Uptake Spraying Oil (See GENERAL INSTRUCTIONS; Oils and surfactants).
Stinking Passion Flower	Established plants and regrowth	Qld, NT, WA	270	Use 42 mL/15 L for a knapsack.
Wandering jew ( <i>Tradescantia albiflora</i> )	Young plants up to and including flowering.	All States	900	Some regrowth will usually occur and will require retreatment
Wattles (including <i>Acacia aulacocarpa</i> <i>A. decora</i> <i>A. harpophylla</i> <i>A. leiocalyx</i> <i>A. salicina</i> )	Seedling plants or regrowth 0.5 to 1.2 m high Plants or regrowth 1.2 to 2.0 m high only	NSW, Qld only	300 600	Apply to actively growing plants when soil moisture is plentiful. Some regrowth may occur particularly when treating old woody plants with sparse canopies and under dry conditions.

BASAL BARK AND CUT STUMP APPLICATION: Dilute product with diesel See General Instructions - Application Method for application details				
WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE L/100L diesel	CRITICAL COMMENTS
<i>Celtis</i> ( <i>Celtis sinensis</i> )	Basal Bark only: Young plants up to 2 m high and 20 cm basal diameter	Qld only	2.1	Treat stems from ground level to where multi-stemmed trunks branch.
Chinee apple	Up to 15 cm basal diameter		1.8	With basal bark, treat circumference of stem to a height of 45 cm from the ground.
Cockspur thorn	Basal Bark only: Up to 5 cm basal diameter.		1.2	
Mimosa bush ( <i>Acacia farnesiana</i> )	Up to 5 cm basal diameter	Qld, WA only	1.8	
Prickly acacia	Up to 10 cm basal diameter	Qld only	0.9	

**Table 1. Woody Weeds in Agricultural non-crop areas and Rights-of-way, Commercial and Industrial areas, Forests and Pastures**

BASAL BARK AND CUT STUMP APPLICATION: Dilute product with diesel See General Instructions - Application Method for application details				
WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE L/100L diesel	CRITICAL COMMENTS
Honey locust	Plants up to 10 cm basal diameter Plants 10 to 20 cm basal diameter Plants >20 cm basal diameter	Qld, NSW only	0.9 1.8 3	With basal bark, treat circumference of stem to a height of 45 cm from the ground. <b>For cut stump application</b> use a rate of 3L/100L diesel for all plant sizes.
Sisal hemp ( <i>Agave</i> spp.)	All growth stages	Qld only	1.8	Treat as an overall spray. Lever out centre of plant with crowbar and immediately treat the exposed cut area.

**BROADCAST AND AERIAL APPLICATION: Dilute product with water  
See General Instructions - Application Method for application details**

WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE L/ha	CRITICAL COMMENTS
<i>Mimosa pigra</i>	Actively growing plants	NT, WA only	1.8	Aerial application: Add Uptake Spraying Oil at the rate of 1L/100L spray mix. Apply to actively growing plants from mid to late summer.

**LOW VOLUME, HIGH CONCENTRATE APPLICATION: Using a drench gun or gas-powered gun  
See General Instructions - Application Method for application details**

WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE L/10L of water	CRITICAL COMMENTS
Limebush	Isolated bushes up to 1.2 m high only	NSW, Qld only	0.6	Apply a 50 mL dose per 5m <sup>2</sup> of bush surface area.
Tree violet ( <i>Hymenanchera dentata</i> )	Apply from late flowering to green fruit up to 1.2 m high	NSW only		Apply a 50 mL dose per cubic metre of bush.

**Table 2: Established Grass Pastures**

WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE L/ha	CRITICAL COMMENTS
Blue billygoat weed Common sensitive plant Giant sensitive plant Spinyhead sida	Apply before flowering	Qld, WA only	0.9	Add Uptake Spraying Oil at 1 L/ha.
St John's wort	Apply from bud to full bloom (usually late Nov to early Jan)	ACT, NSW and Vic only	1.8	Some regrowth will occur. Treat regrowth the following season for best results. Use at least 200 L water/ha.
Silverleaf nightshade	From onset of flowering to early berry-set. (usually spring to mid-summer)	NSW only	0.45 or 0.225 + Ken-Amine 625 at 1.2-1.6L/ha	Add Uptake Spraying Oil at 1 L/ha To ensure maximum effect, delay application until the majority of shoots have emerged. Follow-up treatment of regrowth is critical for best control.

**Table 3: Sorghum, Maize, Millets and Sweet Corn (NSW and QLD only)**

CROP	CROP GROWTH STAGE	WEEDS CONTROLLED	WEED GROWTH STAGE	RATE L/ha	CRITICAL COMMENTS
Sorghum		Annual ground cherry Wild gooseberry ( <i>Physalis</i> spp.)	2 to 8 leaf Up to 15 cm tall	0.3	<b>Sorghum:</b> From 8 leaf to boot stage; use dropper nozzles to prevent herbicide coming in contact with the crop's leaves and the growing point (meristem).
		Apple-of-Peru	Seedling plants Up to 15 cm tall	0.45	
Maize and Sweet corn	Apply when secondary roots are present, from 3 fully expanded leaves (10 cm tall) up to just before tasseling (See CRITICAL COMMENTS)	Bathurst burr Noogoora burr	2 to 8 leaf Up to 20 cm tall	0.3	<b>Maize and sweet corn:</b> From 6 leaf to just before tasseling, use dropper nozzles to prevent the herbicides coming in contact with the crop's leaves and the growing point (meristem).
		Pigweed ( <i>Portulaca oleracea</i> )	Up to 10 cm diameter	0.3	
			10 to 30 cm diameter	0.45	
Millets	Spray when secondary roots have developed, usually early to mid-tillering, and not later than before heads start to form at the base of tillers. (See CRITICAL COMMENTS)	Sesbania pea	2 to 6 leaf Up to 10 cm tall	0.9	<b>Millets: DO NOT</b> use mixes with Atrazine ● This treatment may be slightly damaging to the crop. To minimise crop damage apply using dropper nozzles at all crop stages.
		Silverleaf nightshade (NSW only) ●	Full flower to early berry	0.45 + Uptake at 1 L/ha	
		Starburr ( <i>Acanthospermum hispidum</i> ) (Qld only)	Up to 12 leaf and before flowering	0.9 or 0.45 + Kenso Agcare Atrazine 500 at 2L/ha	
		Thornapples ( <i>Datura</i> spp.)	2 to 8 leaf Up to 15 cm tall	0.45	
		Volunteer sunflower	2 to 5 leaf Up to 20 cm tall	0.6	

**Table 3: Sorghum, Maize, Millets and Sweet Corn (NSW and QLD only)**

CROP	CROP GROWTH STAGE	WEEDS CONTROLLED	WEED GROWTH STAGE	RATE L/ha	CRITICAL COMMENTS
<b>Fluroken 333 in tank-mixes with atrazine: Sorghum, Maize and Sweet Corn</b>					
Sorghum, Maize and Sweet corn (continued)	See Above	<i>Amaranthus</i> spp. including: Boggabri weed, Dwarf amaranth, Green amaranth, Redshank Anoda weed Bladder ketmia Black pigweed ( <i>Trianthema portulacastrum</i> ) Caltrop (yellow vine), including: <i>Tribulus terrestris</i> , <i>T. micrococcus</i> and <i>T. maximus</i> Cowvine (peach vine) ( <i>Ipomoea ionchophylla</i> ) Hairly wandering jew ( <i>Commelina benghalensis</i> ) Mintweed <i>Euphorbia davidii</i>	Seedling plants up to 15 cm tall or rosettes up to 15 cm diameter	0.3 + Kenso Agcare Atrazine at 1.5L/ha or 0.45 + Kenso Agcare Atrazine 500 at 2L/ha	Use the low rate (0.3 L + 1.5 L) when weeds are small (5-7 cm tall/diameter).
				0.6 + Kenso Agcare Atrazine 500 at 4.5L/ha	Use the high rate (0.45 L + 2 L) when the weeds are larger (7-15 cm tall/diameter).
<b>Sweet Corn: Tasmania only</b>					
Sweet corn only	3 to 5 leaf	Blackberry nightshade Volunteer potatoes	3 to 5 leaf	0.6	Fluroken 333 is generally more compatible with <b>Liquid atrazine products</b> (see GENERAL INSTRUCTIONS; Compatibility section)  Add a surfactant (see GENERAL INSTRUCTIONS: Oils and surfactants)  <b>DO NOT</b> add an oil to mixtures of Fluroken 333 and atrazine

**Table 4: Winter Cereals (Wheat, Barley, Oats and Triticale)**

CROP GROWTH STAGE	WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE L/ha	CRITICAL COMMENTS
Apply from 3 leaf to flag (Zadoks 13 to 39)	Bedstraw ( <i>Galium tricornutum</i> )	1 to 3 whorl	Vic, SA, WA only	0.6	● Add either Uptake or a surfactant (see GENERAL INSTRUCTIONS; Oils and surfactants).
	Cleavers ( <i>Galium aparine</i> )		NSW, Vic only		
	Black bindweed (Climbing buckwheat)	2 to 4 leaf 2 to 6 leaf	NSW, Qld only	0.3 ● 0.45 or 0.3 + Ken-Met 600 at 5g/ha ●	Useful suppression only
	Common sowthistle ( <i>Sonchus oleraceus</i> )	2 to 5 leaf		0.6	Mixtures: Mixing partners with Fluroken 333 may reduce crop selectivity. Apply at crop growth stages according to the mixing partner's recommendation.
	Deadnettle	2 to 6 leaf		0.9	
	Spiny emex (Doublegee, Three cornered jack)	2 to 4 leaf	NSW, SA Qld, WA, Vic	0.3 or 0.3 + Ken-Met 600 at 5g/ha ●	
	Prickly lettuce	2 to 5 leaf	NSW, Qld, Tas, Vic, WA	0.6	
	Volunteer lupins	2 to 8 leaf	NSW, Vic WA only.	0.9	
	Volunteer potato	10 to 15 cm tall	WA and Tas only		Plants 15 to 30 cm tall will only be suppressed.
	Wireweed	2 to 3 leaf	NSW, Qld, SA, Tas, Vic, WA		
	Bittercress ( <i>Coronopus didymus</i> ) Mustards Shepherd's purse Turnip weed Wild radish Wild turnip	Up to 8 leaf and up to 15 cm diameter	Qld, NSW, Vic SA, Tas, WA	0.3 to 0.9 + Ken-Met 600 ● or Eclipse ● or LV MCPA 500 or Kenso Agcare MCPA 500	The Fluroken 333 rate depends on what other weeds are present as listed above See Mixtures comment above Ken-Met 600 @ 5g/ha (This mix does not control wild radish) Eclipse @ 5-7g/ha (use the 5g rate on turnip weed only) LV MCPA 500 @ 700 mL/ha Kenso Agcare MCPA 500 @ 1.0L/ha.

Table 5: Summer Fallow

WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE L/ha	CRITICAL COMMENTS
Annual ground cherry Wild gooseberry ( <i>Physalis</i> spp.)	2 to 8 leaf, up to 15 cm tall	NSW, Qld only	0.45 <b>●</b>	<b>●</b> Add Uptake spraying oil (see GENERAL INSTRUCTIONS; Oils and surfactants section)
Bathurst burr Noogoora burr	2 to 8 leaf, up to 20 cm tall	NSW, Qld, Vic, WA only		
Bellvine	Pre-flowering	NSW, Qld only	0.3 + Ken-Up 450 CT at 1.2L/ha	<b>●</b> Delay treatment until the maximum number of shoots have emerged, but before the onset of fruiting (late summer). DO NOT treat plants showing symptoms from previous treatment Use the high rate when longer term weed control (6-10 months) is required and delay planting crops during this period. The low rate will require follow-up treatments.
Bladder ketmia	4 to 8 leaf, up to 10 cm tall			
Cowvine (Peach vine) <i>Ipomoea lanchophylla</i>	2 to 10 leaf, up to 10 cm diameter		0.3 + Ken-Up 450 CT at 1.0L/ha	
Caltrop (Yellow vine) including: <i>Tribulus terrestris</i> , <i>T. maximus</i> and <i>T. micrococcus</i>	Up to 15 cm diameter		0.3 + Ken-Up 450 CT at 1.0L/ha	
Pigweed ( <i>Portulaca oleracea</i> )	Up to 10 cm diameter  Up to 60 cm diameter		0.45 <b>●</b>  0.45 + Ken-Up 450 CT at 1.0L/ha	
<i>Polymeria pusilla</i>	2 to 10 leaf up to 20 cm diameter		0.6 <b>●</b> or 0.3 + Ken-Up 450 CT at 1.2L/ha	
Rhynchosia	Seedlings to early flowering		0.6 <b>●</b> or 0.225 + Ken-Up 450 CT at 0.8L/ha	
Smallflower mallow or Marshmallow ( <i>Malva parviflora</i> )	up to 8 leaf up to 20 cm		0.6 <b>●</b>	
Thornapples ( <i>Datura</i> spp.)	2 to 8 leaf up to 15 cm diameter	NSW, Qld, WA only	0.45 <b>●</b> or 0.3 + Ken-Up 450 CT at 1.2L/ha	
Sesbania pea	2 to 6 leaf up to 10 cm tall	NSW, Qld only	0.9 <b>●</b> or 0.3 + Ken-Up 450 CT at 1.2L/ha	
Perennial Ground Cherry ( <i>Physalis virginiana</i> ) <b>●</b>	bud to early flowering up to 20 cm tall		0.9 or 1.8 <b>●</b>	
Silverleaf nightshade	Full flower to early berry- set (usually Dec - Feb)	NSW only	0.45 or 0.225 + Ken-Amine 625 at 1.2-1.6L/ha	Add Uptake spraying oil at the rate of 1L/100L spraying. To ensure maximum effect, delay application until the majority of shoots have emerged. Follow-up treatment will be required to control regrowth and is critical for optimal control. If wanting to prevent seed set repeat applications may be needed in the same season, although this does not lead to better long term control.
Volunteer peanuts	Up to 15 cm diameter	Qld only	0.6 + Kenso Agcare Atrazine 500 at 4.5L/ha	Add a surfactant (see GENERAL INSTRUCTIONS; Oils and surfactants) <b>Important:</b> See GENERAL INSTRUCTIONS; Compatibility section
Volunteer sunflowers	2 to 5 leaf up to 20 cm	NSW, Qld only	0.6	Add Uptake Spraying Oil (See GENERAL INSTRUCTIONS; Oils and surfactants section)

Table 6: Winter Fallow

WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE L/ha	CRITICAL COMMENTS
Bedstraw ( <i>Galium tricornutum</i> )	Up to 5 whorl	Vic, SA, WA only	0.6 <b>●</b>	<b>●</b> Add Uptake Spraying Oil (See GENERAL INSTRUCTIONS; oils and surfactants) <b>●</b> Add Uptake or a surfactant (See GENERAL INSTRUCTIONS; oils and surfactants section)
Cleavers ( <i>Galium aparine</i> )		NSW, Vic only		
Black bindweed (Climbing buckwheat)	2 to 8 leaf up to 10 cm diameter	NSW, Qld only	0.45 <b>●</b>	
Common sowthistle ( <i>Sonchus oleraceus</i> )				
Prickly lettuce	2 to 8 leaf		0.6 <b>●</b> or 0.3 + Ken-Up 450 CT at 0.6L/ha	
Spiny emex (Doublegee, Three cornered jack)				
Wireweed	2 to 3 leaf up to 10 cm tall		0.9 <b>●</b> or 0.3 <b>●</b> + Ken-Met 600 at 5g/ha or 0.3 <b>●</b> + Ken-Up 450 CT at 0.6L/ha	

Table 7: Sugar cane (Qld, NSW, NT and WA only)

CROP GROWTH STAGE	WEEDS CONTROLLED	WEED GROWTH STAGE	RATE L/ha	CRITICAL COMMENTS	
From early tillering to maturity	Balsum pear Blackberry nightshade Blue billygoat weed Centro Cowpea Giant sensitive plant Lablab bean Noogoora burr Phasey bean Pinkburr Prickly african cucumber Spinyhead sida Stinking passion flower (seedlings only)	Apply from 2 to 3 leaf until flowering	Ground: 0.78 Aerial: 0.9	For optimal weed control, delay application until just before the "close-in" stage. <b>Aerial application:</b> Apply in not less than 60 L/ha water and add Uptake Spraying Oil at 1 L / 100 L spray mixture. <b>Ground application:</b> Apply in 100 - 400 L/ha water and add Uptake Spraying Oil at 500 mL / 100L of spray mixture.	
	Bellvine Morning glory Red or pink convolvulus Star-of-Bethlehem				
	Stinking passion flower	Established or ratoon plants with at least 1.0 m of regrowth	<b>High volume:</b> 270 mL / 100L water <b>Knapsack:</b> 42 mL / 15L water		Thoroughly wet plants to the point of run-off.
	Milkweed ( <i>Euphorbia heterophylla</i> )	Seedlings and young plants up to flowering	1.8 or 1.38 + Kenso Agcare Atrazine 500 at 4L/ha		Better control will be achieved with the atrazine mixture. Delay application until just before the cane reaches the "close-in" stage. This will improve control and minimise the number of seedlings that germinate.

Table 8: Lucerne (NSW Only)

CROP GROWTH STAGE	WEEDS CONTROLLED	WEED GROWTH STAGE	RATE L/ha	CRITICAL COMMENTS
Established crops at least eighteen months old	Annual ground cherry Bathurst burr Noogoora burr Wild gooseberry	2 to 8 leaf up to 15 cm high	0.3	To minimize crop injury and to maximize weed control, cut, slash or heavily graze the lucerne before application. Wherever possible, irrigate before application to stimulate weed growth. DO NOT treat crops growing on sandy or stony soils. DO NOT treat crops after the summer growing season (after end of March). To broaden the spectrum of weeds controlled,
	Pigweed	Up to 10 cm diameter		

Table 9: Poppies (TAS only)

CROP GROWTH STAGE	WEEDS CONTROLLED	WEED GROWTH STAGE	RATE L/ha	CRITICAL COMMENTS
4 to 6 leaf	Cleavers Fumitory Shepherd's purse Wireweed	2 to 6 leaf	0.6	
		-	0.6 + Asulox at 5L/ha	
8-10 leaf	Common sowthistle Prickly lettuce Black nightshade	2 to 5 leaf cotyledon to 4 leaf	0.6	DO NOT apply Fluroken 333 to poppies later than the 8 to 10 leaf growth stage as a reduction of alkaloid content could occur.
	Fumitory Volunteer potato	6 to 10 leaf From tuber initiation to flower bud	0.9	This rate will provide season long control of volunteer potato, but will not control all daughter tubers and will only suppress potatoes over 15 cm tall.

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

**WITHOLDING PERIODS:**

**CROPS AND PASTURES:** DO NOT GRAZE FAILED CROPS AND TREATED PASTURES OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION.

**POPPIES:** DO NOT SPRAY POPPIES LATER THAN 10 WEEKS BEFORE HARVEST

**MINIMUM RECROPPING PERIODS**

Plant-back periods for crops following the application of Fluroken 333 for rates up to 0.9 L/ha	RATE L/ha	0.225	0.45	0.9
CROP		Days		
Barley	7	7	7	7
Wheat	7	7	7	7
Chickpea	7	7	7	7
Cotton	14	14	14	28
Soybean	7	7	7	14
Sunflower	7	7	7	7
Maize	7	7	7	7
Sorghum	7	7	7	7

Note: Before using Fluroken 333 in tank mixes with other herbicides, check the plantback information on all product labels. The time between spraying and planting will be determined by the most residual product, i.e. the product with the longest plant-back period.

**GENERAL INSTRUCTIONS**

**MIXING:**

- Fluroken 333 may be mixed with water or diesel.
- Mix only sufficient chemical for each days use and avoid storing.
- Mixing in Water:** Half fill the spray tank with water and add the required quantity of Fluroken 333 and complete filling. Agitate continuously to ensure thorough mixing before and during application.
- Mixing in Diesel:** Half fill the spray tank with diesel and add the required quantity of Fluroken 333. Add the remainder of the diesel and agitate or shake to mix contents.
- Tank mixtures:** Wetable powder or dry flowable formulations (e.g. water dispersible granules) should be added to the spray tank first, followed by suspension concentrates (flowables), water soluble salts and then emulsifiable concentrate formulations (Fluroken 333). Add spraying oils and surfactants (wettors) last.

**OILS AND SURFACTANTS**

**Oils:**

Use only Uptake Spraying Oil at the rate of 500 mL / 100 L of spray mix. When using less than 100 L/ha spray volume, ensure a minimum of 250 mL/ha of Uptake is used, unless 1 L / 100 L or 1 L/ha is specified.

**Surfactants (wettors):**

Use a 100% concentrate non-ionic surfactant such as Ken-Wett 1000 at 100 mL / 100 L of spray mix where required.

**COMPATIBILITY**

Fluroken 333 is compatible with the herbicides listed.

Follow any regional restrictions, and all directions and restrictions on the label, of any chemical mixed with Fluroken 333.

Kenso Agcare Atrazine 500	Lontrel	Tordon 75-D
Ken-Met 600	Kenso Agcare MCPA 500	Kenso Agcare Bucko 242
Broadstrike	Wildcat 110 EC	Touchdown
Eclipse	Ken-Up Herbicide By Kenso	Ken-Amine 625
Ken-Grass 375	Ken-Up 450 CT (see below)	
Kenso Agcare Triclopyr 600	Token 240 (see below)	

**ATRAZINE**

**• AVOID USING HARD WATER WHEREVER POSSIBLE.**

Where hard water cannot be avoided, the addition of CALGON® water conditioning agent to the spray tank, at 100g / 100 L water, before adding any herbicide may improve compatibility.

**• AGITATION IS VERY IMPORTANT WHEN MIXING FLUROKEN AND ATRAZINE.**

Fluroken plus atrazine tank mixes must be agitated vigorously and continuously during mixing and application. After mixing DO NOT allow to stand without agitation. Ensure that the time from mixing to the end of application is not more than 2 hours. If settling out occurs re-suspension is difficult, even with vigorous agitation. Agitation using only the pump's by-pass is usually inadequate, particularly with larger tanks (more than 2000L). Additional mechanical agitation will be necessary in large tanks, computer sprayers and mixing tanks.

• When additional surfactant is required, add a 100% concentrate non-ionic surfactant at 100 mL / 100 L of spray mix. DO NOT use a spraying oil when tank mixing Fluroken and atrazine.

**Guidelines For Tank-Mixing Fluroken 333 And Common Atrazine Formulations:**

Tank mix	Rate (L/ha)	Water Hardness			Minimum Water Volume (L/ha)		Comments
		Soft	Medium	Hard	Ground	Aerial	
Fluroken	0.45	✓	✓	✓	50	35	
Fluroken + Kenso Agcare Atrazine 500	0.45 + 2	✓	✓	✓	50 – 100	35	Precipitate can be easily resuspended
Fluroken + Kenso Agcare Atrazine 900 WG	0.45 + 1.1	✓	✗	✗	100	Do not use	Precipitate may be difficult to resuspend and may block nozzles
Fluroken + Atrazine DF	0.45 + 1.1	✓	✗	✗	100	Do not use	Sediment may be difficult to resuspend and may block nozzles
Fluroken + Kenso Agcare Atrazine 500	0.45 + 2	✓	✓	✗	100	Do not use	Precipitate may be difficult to resuspend and may block nozzles

**TOKEN 240**

Always use Uptake Spraying Oil with Fluroken 333 + Token 240 tank-mixes at 500 mL / 100 L of spray mix with a minimum of 250 mL/ha.

\* DO NOT mix Fluroken 333 with Token 240 if the grass weeds are not actively growing. Always use the maximum label rate of Token 240 for the appropriate grass growth stage.

\* DO NOT use Fluroken 333 at more than 0.45 L/ha in tank mixes with Token 240.

**KEN-UP 450 CT**

\* When mixing Fluroken 333 with Ken-Up 450 CT to control both grass and broadleaf weeds, refer to the Ken-Up 450 CT label for use rate and adjuvants recommended for grasses. DO NOT use Ken-Up 450 CT at less than 1.2 L/ha in tank mixes with Fluroken 333, when barnyard grass, buttongrass, crowfoot grass, native millet and liverseed grass are the target species.

**APPLICATION METHODS AND WATER RATES**

**BROADCAST APPLICATION IN CROPPING, PASTURE AND FALLOW SITUATIONS.**

**A. Ground application (Boom)**

- Apply Fluroken 333 with an accurately calibrated boom sprayer, in at least 50 L/ha water (100-400 L/ha for sugar cane).
- Flat fan nozzles are recommended using pressures in the range 200 to 300 kPa.
- Set the boom at a height to ensure a double overlap of the nozzle patterns.

**B. Ground directed application (Dropper nozzles)**

- To minimise crop effects, dropper nozzles should be used in sorghum when the crop is beyond the 8 leaf growth stage and in maize and sweet corn when the crop is beyond the 6 leaf growth stage.
- Adjust the nozzles to direct the spray into the base of the crop and away from the leaves and the growing point. See manufacturers directions for setting up and calibration of dropper nozzles.

**C. Aerial Application**

- Apply in a minimum volume of at least 35 L/ha water (60 L/ha in sugarcane).
- Use equipment calibrated to produce droplets with an average diameter (Volume Mean Diameter; VMD) of 250 - 350 microns.
- DO NOT apply when the temperature is above 30°C, when there is no wind or when the wind is blowing toward susceptible crops.

**WOODY WEED SITUATIONS**

Weeds must be actively growing to attain optimal effect. Delay the treatment of regrowth following bulldozing; slashing, burning, ploughing or a previous chemical treatment until it has at least 1 metre of new, vigorous, growth.

**A. High Volume Application**

**Hand Gun**

- Apply the recommended mix to obtain full coverage of leaves and stems using a number 6 - 8 tip at 700 to 1500 kPa. To obtain good coverage, a spray volume of 1500 to 4000 L/ha (15 to 40 L / 100 m2) is required per infested hectare.
- Ensure thorough coverage to the point of runoff.

**Knapsack**

- Knapsack sprayers may be used on smaller infestations where penetration and coverage of the canopy is easier to achieve. Use the same use rate and spray techniques as for handgun application.

**B. Low Volume, High Concentrate Application**

**Drench Gun or Gas-Powered Gun**

- Apply the recommended mixture uniformly across the foliage by applying 50 mL shots to cover 4 to 5 m2 of surface area of plant. This is approximately equivalent to 20 droplets per cm2 of the leaf surface. Use a marking agent as recommended by the equipment manufacturer to check spray coverage.

**C. Basal Bark and Cut Stump Application**

**Basal Bark**

- DO NOT apply to wet stems as this can repel the diesel mixture.
- Spray or paint the recommended mixture around the base of each stem from ground level to a height of at least 30 cm from the ground, wetting the bark to the point of runoff.
- Apply with a paint brush or a pressure sprayer with an appropriate lance and solid cone nozzle. If using spray equipment use low pressures (≤ 200 kPa) sufficient to form a cone of spray.
- Old rough bark will require more spray than smooth or young thin bark.

**Cut Stump**

- Apply the recommended mixture liberally to the freshly cut stump immediately after cutting.
- Apply by spraying or painting the cut surface and sides of the stump.
- Best results are obtained when the stems are cut less than 15 cm above the ground.

**CLEANING SPRAY EQUIPMENT:**

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

**Cleaning equipment after using water-based sprays:**

- Rinsing: After using Fluroken 333 Herbicide, empty the tank completely and drain the whole system. Thoroughly wash inside the spray unit using a pressure hose. Drain, and clean any filters in the tank, pump, lines, hoses and nozzles.
- After cleaning the tank as above, quarter fill with clean water and circulate through the pump, lines and nozzles. Drain and repeat the rinsing procedure twice.
- Decontamination (before spraying cotton and other sensitive crops; see PROTECTION OF CROPS):** Wash the tank and rinse the system as above. Then quarter fill the tank and add an alkali detergent (e.g. liquid SURF®, OMO® or DRIVE®) at 50 mL / 100 L of water or the powder equivalent at 500 g / 100 L and circulate throughout the system for at least 15 minutes.
- Drain the whole system. Remove filters and nozzles and clean them separately. Finally flush the system with clean water and allow draining.

**Cleaning equipment after using diesel - based sprays:**

- On 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 with water to remove degreaser.
- Then, quarter fill the tank with clean water and add an alkali detergent (e.g. liquid SURF®, OMO® or DRIVE®) at 50 mL / 10 L of water or the powder equivalent at 50 g / 10 L of water. Shake sprayer, to circulate the washing solution throughout the sprayer, and then spray the solution through the nozzles. Rinse well with clean water to remove the detergent.
- To clean brushes and containers, spray liberally with degreaser. Hose off with clean water and repeat using detergents as above.
- DO NOT use this equipment for any other purpose.