



# FLUMETSULAM 800 WG

## Herbicide

ACTIVE CONSTITUENT: 800 g/kg FLUMETSULAM

**GROUP B HERBICIDE**

A water dispersible granule formulation for the post-emergence and salvage control of certain broadleaf weeds in winter cereals (including those undersown with clover, lucerne or medic); clover, fenugreek, lathyrus, lucerne, medic, serradella, and vetch (Popany only) seed crops and pastures; chickpeas, field peas, lentils, maize, peanuts; and for the pre-emergent control of certain broadleaf weeds in maize and soybeans as specified in the Directions for Use.

**IMPORTANT: READ THIS LEAFLET BEFORE USE**

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Batch Number: \_\_\_\_\_ Date of Manufacture: \_\_\_\_\_

APVMA Approval No: 69906/62043

### DIRECTIONS FOR USE RESTRAINTS:

**DO NOT** apply to plants which may be stressed (not actively growing) due to prolonged periods of extreme temperature (less than 5°C or greater than 30°C), moisture stress (water-logged or drought affected), poor nutrition or previous herbicide treatment as reduced levels of control may result.

**DO NOT** apply post-emergence treatment if rain is likely within 4 hours.

**DO NOT** irrigate (any method) treated crop or pasture for 48 hours after application.

### TABLE 1A CHICKPEAS, FIELD PEAS, LENTIL, FENUGREEK, LATHYRUS, VETCH (POPANY ONLY) AND SERRADELLA

**DO NOT** apply to crops affected by disease or be previous herbicide treatment (eg triazines or sulfonylureas)

CROP	GROWTH STAGES	CROP TOLERANCE	SPRAY ADDITIVES/TANK MIXES
Chickpeas	4-6 branches (no later than 6 weeks after emergence)	4Farmers Flumetsulam 800 WG Herbicide usually causes some transient crop yellowing and can cause reddish discoloration and height suppression. Flowering may be delayed resulting in yield suppression.	DO NOT use any spray additives, or tank mix any other chemicals with 4Farmers Flumetsulam 800 WG Herbicide when using on chickpeas and field peas
Field peas	2 to 6 nodes (no later than 6 weeks after emergence)	4Farmers Flumetsulam 800 WG Herbicide may cause transient crop yellowing and height suppression. On light soils in dry seasons flowering may be delayed resulting in yield suppression.	
Lentils	4-8 fully expanded leaves <b>DO NOT</b> apply later than 6 weeks after emergence	4Farmers Flumetsulam 800 WG Herbicide may cause transient height reduction, crop discoloration and delayed flowering, although yields are normally unaffected. However, stress conditions after application (eg. frost, drought, nutrient deficiency, disease) may lengthen the time needed for lentils to recover. In seasons where a dry spring occurs, yields may be suppressed. Tank mixes with other products may result in growth suppression and delayed flowering which can result in yield suppression.	Compatible spray adjuvants may be applied at appropriate rates with 4Farmers Flumetsulam 800 WG Herbicide to lentils.
Fenugreek, Lathyrus, Vetch (Popany only)	3 fully expanded leaves onwards		Use 4Farmers Flumetsulam 800 WG Herbicide or 4Farmers Flumetsulam 800 WG Herbicide with a wetter only. Tank mixes with other herbicides are not recommended.
Serradella	3 fully expanded leaves onwards		Compatible spray adjuvants may be applied at appropriate rates with 4Farmers Flumetsulam 800 WG Herbicide to serradella.

### TABLE 1B WEEDS CONTROLLED OR SUPPRESSED IN TABLE 1A CROPS

WEED	WEED GROWTH STAGE		RATE g/ha	CRITICAL COMMENTS	
	Up to leaf No. or	Up to plant size (cm)			
<b>CONTROLLED</b>					
Amsinckia (Yellow burrweed)	10 leaf	10cm diameter	25	Where recommended, use of either a wetter or spraying oil with 4Farmers Flumetsulam 800 WG Herbicide will provide better weed control	
Ball mustard	6 leaf	5cm diameter			
Charlock	8 leaf	10cm diameter			
Indian hedge mustard	6 leaf	5cm diameter			
Lupins	10 leaf	10cm high			
Marshmallow (Small flowered mallow)	4 leaf	10cm diameter			
Pheasant's eye	8 leaf	10cm diameter			
Shepherd's purse	8 leaf	10cm diameter			
Three-horned bedstraw	6 whorls	10cm high			
Turnip weed	8 leaf	5cm diameter			
Volunteer canola	8 leaf	10cm diameter	Under ideal growing conditions, 4Farmers Flumetsulam 800 WG Herbicide will provide useful suppression of capeweed and doublegee. Best results will be achieved when a pre-emergence herbicide has already been used.		
Ward's weed	8 leaf	10cm diameter			
Wild turnip	6 leaf	5cm diameter			
<b>SUPPRESSED</b>					
Capeweed (WA only)	4 leaf	10cm diameter		25	Under ideal growing conditions, 4Farmers Flumetsulam 800 WG Herbicide without an adjuvant will give a biomass reduction of 50%–70% of wild radish. Surviving plants may flower and set viable seed. Best results occur with treatment in conditions >5°C with bright sunny conditions and use of higher water rates of 70–100L/ha with fine–medium quality spray droplets to get excellent spray coverage.
Doublegee (Spiny emex) (WA only)	4 leaf	10cm diameter			
Wild radish	4 leaf	5cm diameter			

### TABLE 2A WHEAT, BARLEY, OATS, TRITICALE, CEREAL RYE (INCLUDING THOSE UNDERSOWN WITH CLOVER, LUCERNE OR MEDICS), CLOVER, LUCERNE AND MEDIC CROPS AND PASTURES

CROP/SITUATION	GROWTH STAGES	CROP TOLERANCE	SPRAY ADDITIVES/TANK MIXES
Wheat	3 leaf until start of jointing (Zadoks 13-31)		Always apply with spraying oil at appropriate rate or a 100% concentrate non-ionic wetting agent at 200mL/100L.
Barley, Oats	Mid-tillering to start of jointing (Zadoks 23-31)	Transient stem shortening and crop discoloration may occur, although yields are normally unaffected. Where barley and oats are undersown, a vigorous legume component may lengthen the time needed for the cereal to recover, especially if the cereal is stressed by lack of moisture, trace element deficiency or disease. In severe cases, yields may be suppressed.	Use only with a wetting agent when either applying 4Farmers Flumetsulam 800 WG Herbicide alone or with partner products in barley and oats.
Stirling barley (WA only)	Apply no earlier than Zadoks 31.		
Triticale Cereal rye	Mid-tillering to start of jointing (Zadok 23-31)		Always apply with a spraying oil at appropriate rate or a 100% concentrate non-ionic wetting agent at 200mL/100L.
Medic, lucerne, and clover seed crops, and pastures, including; Barrel medic, Snail medic, Spineless burr medic Subterranean clover, White clover	2 to 3 trifoliolate leaves onwards	<b>Medic, lucerne and subterranean clover (sub clover)</b> — When 4Farmers Flumetsulam 800 WG Herbicide is applied at 25 g/ha + spraying oil or wetter, yield reduction may occur when treating Serena medic or Nungarin sub-clover. <b>DO NOT</b> apply to lucerne seed crops less than 8 weeks before flowering.	Always apply with a spraying oil at appropriate rate or a 100% concentrate non-ionic wetting agent at 200mL/100L. <b>In clover DO NOT use with diuron. In lucerne DO NOT use with MCPA. In medics DO NOT use with MCPA.</b>

CROP/SITUATION	GROWTH STAGES	CROP TOLERANCE	SPRAY ADDITIVES/TANK MIXES
Grazing lucerne — high rate	4 trifoliolate leaves onwards	Use the 50g/ha rate in grazing lucerne only. <b>DO NOT</b> apply at 50g/ha to lucerne used for seed production.	
Fence lines, Stock camps, Stockyards, Commercial areas and pastures including medic, lucerne and clover pastures.	2 to 3 trifoliolate leaves onwards		Use a spraying oil at appropriate rate.
<b>SALVAGE SPRAY</b>			
Cereals: Wheat, Barley, Oats, Triticale, Cereal rye	Flowering (anthesis) to early dough (Zadoks 61-83)		
Pastures: Lucerne, Clover, Medics	Advanced seedlings or re-growth after cutting or grazing		

### TABLE 2B WEEDS CONTROLLED IN TABLE 2A CROPS

WEED	WEED GROWTH STAGE		RATE g/ha	CRITICAL COMMENTS
	Up to Leaf No. or	Up to Plant size (cm)		
Amsinckia (Yellow burrweed)	10 leaf	10cm diameter	25 + spray oil or wetter	
Ball mustard	6 leaf	5cm diameter		
Buchan weed	8 leaf	10cm diameter	Lucerne and/or clover only 25 + wetter + 2,4-DB (500g/L) 1.5–2.5L/ha	Use the 50g/ha rate in grazing lucerne only and apply from 4 trifoliolate leaves onwards. <b>DO NOT</b> apply at 50g/ha to lucerne used for seed production.
			Grazing lucerne only 50 + spray oil or wetter	
Calepina (White ball mustard)	8 leaf	10cm diameter	25 + spray oil or wetter	
Capeweed	4 leaf	10cm diameter	25 + spray oil or wetter + bromoxynil (200g/L) 700mL/ha or 25 + wetter + diuron (500g/L) 100mL/ha	Optimum results are obtained in a competitive pasture. For best results follow up with moderate grazing two weeks after application. In pasture, spray as soon as possible after the autumn break. Larger plants and any affected by stress or grazing prior to treatment may re-grow and flower.
Charlock	8 leaf	10cm diameter	25 + spray oil or wetter	Spray as soon as possible after the autumn break. Larger plants and any affected by stress or grazing prior to treatment may re-grow and flower.
Cotula (WA only)	4 leaf	10cm diameter	25 + spray oil or wetter	Use a spray oil or a wetting agent at appropriate rate.
Doublegee (Spiny emex)	4 leaf	10cm diameter	25 + wetter + diuron (500g/L) 100mL/ha	Optimum results are obtained in a competitive pasture. For best results follow up with moderate grazing two weeks after application. In pasture, spray as soon as possible after the autumn break. Larger plants and any affected by stress or grazing prior to treatment may re-grow and flower. Use spray oil or wetter with a 4Farmers Flumetsulam 800 WG Herbicide + bromoxynil tank mixture. Only use a wetter with 4Farmers Flumetsulam 800 WG Herbicide + 2,4-DB or 4Farmers Flumetsulam 800 WG Herbicide + diuron tank mixes.
	6 leaf	15cm diameter	25 + spray oil or wetter + bromoxynil (200g/L) 700mL/ha or 25 + wetter + 2,4-DB (500g/L) 1.5–2. L/ha or 25 + wetter + diuron (500g/L) 1L/ha for <b>Mature lucerne only</b>	
Dwarf marigold (Poverty weed)	10 leaf	15cm high	15 + spray oil or wetter	
Fat hen	15 leaf	20cm high	Spring/summer pasture and lucerne only 25 + spray oil or wetter	Spring and summer pasture and lucerne application only.
			Grazing lucerne only 50 + spray oil or wetter	Use the 50g/ha rate in grazing lucerne only and apply from 4 trifoliolate leaves onwards. <b>DO NOT</b> apply at 50g/ha to lucerne used for seed production.
Fumitory	6 leaf	8cm diameter	25 + 300mL/ha terbutryn (500g/L) + wetter	Only use a wetter with 4Farmers Flumetsulam 800 WG Herbicide + terbutryn tank mixes. <b>Note:</b> This mixture is only approved for use in NSW, Vic and Tasmania on pastures.
Hedge mustard, Indian hedge mustard	8 leaf	10cm diameter	25 + spray oil	
Lupins	10 leaf	10cm high	25 + spray oil or wetter	
WA blue and narrow leaf lupins (WA only)	4 to 8 leaf		10 + spray oil or wetter	
Marshmallow (Small flowered mallow) seedlings	4 leaf	10cm diameter	25 + spray oil or wetter or 15 + wetter + 700mL/ha bromoxynil-MCPA (200g/L–200g/L) or 15 + wetter + 350mL/ha terbutryn (500g/L) + 700mL/ha MCPA amine (500g/L)	Add a wetter to MCPA/terbutryn or bromoxynil-MCPA mixes. Only use bromoxynil-MCPA and MCPA/terbutryn mixes in cereals that are NOT undersown with clovers, medics or lucerne.
	10 leaf	20cm diameter	25 + wetter + 2,4-DB (500g/L) 1.5–2.5L/ha	For older plants see Weeds Suppressed. Only use a wetter with 4Farmers Flumetsulam 800 WG Herbicide + 2,4-DB tank mixes.
Marshmallow (Small flowered mallow) seedlings	10 leaf	20cm diameter	Grazing lucerne only 50 + spray oil or wetter	Use the 50g/ha rate in grazing lucerne only and apply from 4 trifoliolate leaves onwards. <b>DO NOT</b> apply 50g/ha to lucerne used for seed production.
Paterson's curse (Salvation Jane)	8 leaf	10cm diameter	25 + spray oil or wetter + bromoxynil (200g/L) 700mL/ha or 25 + wetter + terbutryn (500g/L) 300mL/ha or 25 + wetter + diuron (500g/L) 1L/ha for <b>Mature lucerne only</b>	In pasture, larger plants and any affected by stress or grazing prior to treatment may regrow and flower. For best results follow up with moderate grazing two weeks after application. With terbutryn, apply in a minimum spray volume of 100L/ha from the ground or 50L/ha from aircraft. Only use a wetter with 4Farmers Flumetsulam 800 WG Herbicide + diuron tank mixes.
Peppergrass seedlings	8 leaf	10cm diameter	25 + spray oil or wetter	
	10 leaf	15cm diameter	25 + wetter + 2,4-DB (500g/L) 1.5–2.5L/ha	
Pheasant's eye	7 leaf	10cm high	25 + spray oil or wetter	
Shepherd's purse	8 leaf	10cm diameter		
Three-horned bedstraw	6 whorls	10cm high		
Turnip weed	8 leaf	5cm diameter	15 + spray oil or wetter	
	12 leaf	10cm diameter	25 + spray oil or wetter	
Volunteer canola	8 leaf	10cm diameter	25 + spray oil or wetter	
Ward's weed				
Wild radish	6 leaf	15cm diameter	25 + spray oil or wetter + bromoxynil (200g/L) 700mL/ha or 25 + wetter + MCPA amine (500g/L) 500mL/ha or 25 + wetter + diuron (500g/L) 1L/ha for <b>Mature lucerne only</b>	
Wild radish (cereals)	6 leaf	15cm diameter	15 + wetter + 700mL/ha bromoxynil-MCPA (200g/L–200g/L) or 15 + spray oil or wetter + 700mL/ha MCPA amine (500g/L) or 15 + wetter + 700mL/ha MCPA amine (500g/L) + 350mL/ha terbutryn (500g/L)	Add spray oil or wetter to 4Farmers Flumetsulam 800 WG Herbicide mixes with MCPA amine and a wetter to 4Farmers Flumetsulam 800 WG Herbicide + MCPA/terbutryn or 4Farmers Flumetsulam 800 WG Herbicide + bromoxynil/MCPA mixes. <b>DO NOT use MCPA amine or MCPA amine + terbutryn in cereals undersown with clover, medics or lucerne.</b>
Wild turnip	10 leaf	10cm diameter	25 + spray oil or wetter	
Wireweed	10 leaf	15cm diameter	Pasture and lucerne only 25 + wetter + 2,4-DB (500g/L) 1.5–2.5 L/ha	Undersown clovers and lucerne, spring and summer sown pasture and lucerne crops only.

**TABLE 2C WEEDS SUPPRESSED IN TABLE 2A CROPS**

WEED	WEED GROWTH STAGE		RATE g/ha	CRITICAL COMMENTS
	Up to Leaf No. or	Up to Plant size (cm)		
Buchan weed	8 leaf	10cm diameter	25 + spray oil or wetter	Only use a wetter with 4Farmers Flumetsulam 800 WG Herbicide + 2,4-DB tank mixes.
Deadnettle	6 leaf	5cm diameter	25 + wetter + 2,4-DB (500g/L) 1.5–2.5L/ha	
Doublegee (Spiny emex)	4 leaf	10cm diameter	25 + spray oil or wetter	Use the 50g/ha rate in grazing lucerne only and apply from 4 trifoliolate leaves onwards. DO NOT apply at 50g/ha to lucerne intended for seed production. Only use a wetter with 4Farmers Flumetsulam 800 WG Herbicide + 2,4-DB tank mixes.
	6 leaf	15cm diameter	Grazing lucerne only 50 + spray oil or wetter	
Marshmallow (Small flowered mallow)	5-8 leaf	10cm diameter	25 + spray oil or wetter	
New Zealand spinach	4 leaf	5cm diameter		
Paterson's curse (Salvation Jane)	8 leaf	10cm diameter		
Peppergrass	10 leaf	15cm diameter	25 + spray oil or wetter	
Stagger weed	6 leaf	5cm diameter	25 + spray oil or wetter + 2,4-DB (500g/L) 1.5–2.5L/ha	
Wild radish	4 leaf	5cm diameter	25 + spray oil or wetter	

**TABLE 3 SALVAGE SPRAY IN WHEAT, BARLEY, OATS, TRITICALE, CEREAL RYE, PASTURES, LUCERNE, CLOVER AND MEDICS**

WEED	WEED GROWTH STAGE	RATE g/ha	CRITICAL COMMENTS
Wild radish Turnip weed	Early flowering of the youngest weeds to early pod formation of the oldest weeds	25 + spray oil or wetter	Use spray oil or wetter at appropriate rates. For prevention of wild radish and turnip weed seed set, <b>apply a minimum spray volume of 100L/ha from the ground or 50L/ha from aircraft.</b> Some re-growth may occur when wet conditions prevail after treatment. Do not use this technique if you have already applied a Group B herbicide to the crop or pasture this season. Only use this salvage technique with 4Farmers Flumetsulam 800 WG Herbicide once per cropping cycle to minimize the development of herbicide resistance. If you suspect herbicide resistance in broad leaved weeds do not use this technique. <b>DO NOT</b> use a salvage spray in pastures for seed production. <b>WARNING: Weeds that have not started to flower at application time may not be controlled by the salvage spray technique. For wild radish, time treatment to coincide with green, soft pods prior to embryo maturation in seeds.</b> Squeeze pod between finger nails to see if any green/white seeds are present. Best time to treat is before seeds are visible.

**TABLE 4 AGRICULTURAL NON-CROP AREAS**

WEED	WEED GROWTH STAGE	RATE	CRITICAL COMMENTS
Caltrop, Capeweed, Marshmallow (Small flowered mallow) (suppression), Paterson's curse (Salvation Jane), Wild radish	Rosette stage prior to running up to flower	Spot spray: 25g/100L	Apply to actively growing rosettes. To ensure complete coverage, spray to the point of runoff. Use spray oil at appropriate rate.

**TABLE 5A SEED CROPS (TASMANIA ONLY): SUBTERRANEAN CLOVER, RED CLOVER, WHITE CLOVER, ARROWLEAF CLOVER, LUCERNE AND CHICORY**

CROP	GROWTH STAGES	CROP TOLERANCE	SPRAY ADDITIVES/TANK MIXES
Seed crops of Subterranean clover, Red clover, White clover, Arrowleaf clover, Lucerne, Chicory	1 to 3 trifoliolate leaves onwards	DO NOT apply to lucerne or clover seed crops less than 8 weeks before flowering. DO NOT apply at 40g/ha to lucerne intended for seed production.	Use a spray oil or wetter at appropriate rate. In clover and lucerne 4Farmers Flumetsulam 800 WG Herbicide may be tank mixed with 2,4-DB and/or bromoxynil at their respective label rates for complete control of suppressed weeds.

**TABLE 5B WEEDS CONTROLLED OR SUPPRESSED IN TABLE 5A CROPS**

WEED	WEED GROWTH STAGE	RATE g/ha	CRITICAL COMMENTS
<b>WEEDS CONTROLLED</b>			
Charlock	Up to 3½ leaf stage	25 + spray oil or wetter	Use spray oil or wetter at appropriate rates.
Fat hen, Lesser swinecress, Mustards, Shepherd's purse, Wild radish, Wild turnip	Beyond 3½ leaf stage and up to 10 leaf stage	40 + spray oil or wetter	
<b>WEEDS SUPPRESSED</b>			
Capeweed, Chickweed, Fumitory, Spurrey, Wireweed	Beyond 3½ leaf stage and up to 10 leaf stage	40 + spray oil or wetter	In <b>clover and lucerne</b> , seedlings of these weeds will be suppressed with 4Farmers Flumetsulam 800 WG Herbicide alone. In <b>clover and lucerne</b> , 4Farmers Flumetsulam 800 WG Herbicide may be tank mixed with 2,4-DB and/or bromoxynil at their respective label rates for complete control of suppressed weeds. Only use a wetting agent at 200mL/100L with these tank mixes.

**TABLE 6A SOYBEANS, LUCERNE, MAIZE AND PEANUTS**

CROP	GROWTH STAGES	APPLICATION METHODS	SPRAY ADDITIVES/TANK MIXES	CROP TOLERANCE
Maize	Post-plant pre-emergent (PPPE)	Apply 4Farmers Flumetsulam 800 WG Herbicide after planting and before emergence of crop and weeds. Apply to moist soil only.	May be tank mixed with pendimethalin.	
	Post-emergent Up to 8 leaf stage		Apply with spray oil at appropriate rate or with a 100% concentrate non-ionic wetter at 200mL/100L spray volume.	Some transitory crop yellowing and height suppression should be expected but yields will be unaffected.
Soybean	Pre-plant Incorporated (PPI)	Incorporate into the soil within 4 hours by making two passes in opposite directions using a combine with trailing harrows or similar equipment, to ensure thorough incorporation.	May be tank mixed with trifluralin or pendimethalin.	
	Incorporated by Sowing (IBS)	Ensure the planting operation is done within 4 hours of application, using a combine with trailing harrows or similar equipment, to ensure thorough incorporation.	May be tank mixed with trifluralin or pendimethalin.	
	Post-plant Pre-emergent (PPPE)	Apply 4Farmers Flumetsulam 800 WG Herbicide after planting and before emergence of crop and weeds. Apply to moist soil only.	May be tank mixed with pendimethalin.	
Lucerne	Post-emergent Up to 6 trifoliolate leaf stage		DO NOT apply at 50g/ha to lucerne intended for seed production. Apply with spray oil at appropriate rate or with a 100% concentrate non-ionic wetter at 200mL/100L spray volume.	
Peanuts	Post-emergent Up to 6 leaf stage			

**TABLE 6B WEEDS CONTROLLED OR SUPPRESSED IN TABLE 6A CROPS**

WEED	WEED GROWTH STAGE	RATE g/ha	CRITICAL COMMENTS
<b>WEEDS CONTROLLED</b>			
Annual ragweed, Boggrabri weed, Fat hen, Wild radish (IBS and PPPE only)	Pre-emergent	25 or 50	<b>WEED CONTROL: Minimum spray volume 150L/ha for optimum results.</b> In pre-emergent situations use the higher rate for longer soil residual effect and better suppression of more tolerant weeds (see weeds suppressed). In post-emergent situations use 25g/ha on weeds up to 2 leaf stage and 50g/ha on larger weeds up to 4 leaf stage and where more residual control is required.
Caltrop, Fat hen, Turnip weed, Wild radish	Post-emergent Up to 4 leaf	25 or 50 + spray oil or wetter	
<b>WEEDS SUPPRESSED</b>			
Black pigweed, Bladder ketmia, Caltrop, Cobbler's-pegs	Pre-emergent	25 to 50	
Annual ground cherry, Anoda weed, Bladder ketmia, Boggrabri weed, Fierce thornapple (Qld only), Red pigweed, Wild gooseberry	Post-emergent Up to 4 leaf	25 to 50 + spray oil or wetter	

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

**HARVESTING WITHHOLDING PERIODS**

**Chickpeas, field peas, lentils, maize, peanuts and soybeans:**

**Winter cereals:** NOT REQUIRED WHEN USED AS DIRECTED. DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION

**GRAZING/STOCK FOOD WITHHOLDING PERIODS**

**Chickpeas, field peas, lentils, peanuts, soybeans, Popany vetch:** DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 4 WEEKS AFTER APPLICATION

**Barley, cereal rye, oats, triticale, wheat, grass pastures:** DO NOT GRAZE FOR 3 DAYS AFTER APPLICATION

**DO NOT CUT FOR STOCK FOOD OR HARVEST FOR SEED FOR 4 WEEKS AFTER APPLICATION**

**Maize:** DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER APPLICATION

**Clover, fenugreek, lathyrus, lucerne, medic, serradella:** DO NOT GRAZE OR CUT FOR STOCK FOOD OR HARVEST FOR SEED FOR 3 DAYS AFTER APPLICATION

**EXPORT OF LIVESTOCK**

When 4Farmers Flumetsulam 800 WG Herbicide is used as directed and the above WHPs for grazing and cutting for stock food are observed, livestock fed treated commodities are considered acceptable to slaughter for export. However, export requirements are subject to change. Consult your exporter for updated information about specific export market requirements before feeding treated animal feeds to livestock.

**MINIMUM RECROPPING PERIODS:**

**Cereal rye, medics, triticale, wheat, maize, soybeans:** May be planted at any time after application of 4Farmers Flumetsulam 800 WG Herbicide.

**Barley, chickpeas, clover, field peas, lucerne, oats and peanuts:** Allow 3 months to elapse after application before sowing these crops.

**Canola, cotton, faba beans, fenugreek, lathyrus, lentils, lupins, serradella, sorghum, sunflowers, Popany vetch:** On deep soils (with no impermeable sub-horizon), cotton, sorghum and sunflowers may be planted 3 months after application of 4Farmers Flumetsulam 800 WG Herbicide. Canola, faba beans and lupins are more sensitive and may be planted 9 months after application of 4Farmers Flumetsulam 800 WG Herbicide. On shallow, duplex, low organic matter soils with an impermeable sub-horizon within the root zone (30cm deep or less), these plants should NOT be planted until 2 years after application of 4Farmers Flumetsulam 800 WG Herbicide.

**GENERAL INSTRUCTIONS****MIXING**

Quarter fill the spray tank and add the required amount of 4Farmers Flumetsulam 800 WG Herbicide. Add the remaining water with the agitator running. Add spray oil or wetting agent last (if used). Maintain agitation during spraying.

Only mix sufficient spray solution for immediate use and avoid storing.

When tank mixing: 4Farmers Flumetsulam 800 WG Herbicide should be added to the tank first, followed by wettable powders or other dry flowable formulations, suspension concentrates (flowables), aqueous concentrates, emulsifiable concentrates and then add spray oil or wetting agent last (if used).

**APPLICATION**

Apply 4Farmers Flumetsulam 800 WG Herbicide in 50 to 150 litres of water per hectare, through accurately calibrated boom sprayer.

For aircraft application apply 4Farmers Flumetsulam 800 WG Herbicide in no less than 30L/ha of water through accurately calibrated equipment. The product should be applied by an accurately calibrated ground rig or aircraft delivering medium quality spray based on BCPC specifications and in accordance with ASAE standard S-572.

Best results are achieved where applications are made on warm (greater than 5°C), sunny days applying more than 50L/ha of total spray volume (preferably more than 75L/ha) and where spray coverage is maximized.

**COMPATIBILITY**

Always allow 7 days between application of a grass herbicide and 4Farmers Flumetsulam 800 WG Herbicide in chickpeas and field peas.

In lentils, adjuvant, broadleaf or grass herbicide, insecticide and foliar fertilizer mixes may result in transient height reduction, crop discoloration and delayed flowering, although yields are normally unaffected. However, stress conditions after application (eg. frost, drought) may lengthen the time needed for lentils to recover and in years where a dry spring occurs, yields may be suppressed.

4Farmers Flumetsulam 800 WG Herbicide is compatible with the following:

**Adjuvants**

Uptake Spraying Oil, 4Farmers Speedy Spray Adjuvant, 4Farmers Wetter 1000

**Broadleaf herbicides**

Atrazine, Basagran® M60 Herbicide, bromoxynil, 2,4-DB, diflufenican (lentils and field peas only), diflufenican + bromoxynil, diuron (liquid or wettable granule), clopyralid, MCPA amine, MCPA ester, MCPA sodium salt, metsulfuron, imazethapyr, fluroxypyr, pendimethalin, terbutryn, Ospray Unleash Herbicide, trifluralin.

**Grassweed herbicides**

Diclofop-methyl (ryegrass only), Motsa® Herbicide (lentils only), paraquat, clethodim (lentils only), simazine, clointocet-mexyl + clodinafop-propargyl, haloxyfop, fenoxaprop-p-ethyl (wild oats only).

**Insecticides**

Dimethoate, esfenvalerate (lentils only), chlorpyrifos.

Fungicides (lentils only) Carbendazim, chlorothalonil, micozeb. Foliar fertilizers

Broadacre zinc (lentils only)

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**CLEANING SPRAY EQUIPMENT**

After using 4Farmers Flumetsulam 800 WG Herbicide, empty the tank completely and drain the whole system. Thoroughly wash inside the tank using a pressure hose. Drain the tank and clean any filters in the tank, pump, lines and nozzles.

**To rinse:**

After cleaning the tank as above, quarter fill the tank with clean water and circulate through the pump, lines, hoses and nozzles. Drain and repeat the rinsing procedure twice.

**To decontaminate:**

Before spraying sensitive crops (which include canola, cotton, faba beans, lupins, sorghum and sunflowers), wash the tank and rinse the system as above. Quarter fill the tank and add an alkali detergent (eg. SURF®, Cold Water SURF Concentrate®, Dynamo Matic Concentrate®, OMO® or DRIVE® at 500 mL/100 L of water or the powder equivalent at 500 g/100 L) and circulate through the system for at least 15 minutes. Drain the whole system. Remove filters and nozzles and clean them separately. Finally flush the whole system with clean water and allow to drain. Chlorine based cleaners are not recommended. Nufarm Tank Cleaner® is not recommended.

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

**RESISTANT WEED WARNING****GROUP B HERBICIDE**

4Farmers Flumetsulam 800 WG Herbicide is a broadleaf herbicide with no ryegrass activity and is a member of the triazolopyrimidine sulfonanilide (sulfonamide) group of herbicides. The product has the acetolactate synthase (ALS) inhibitor mode of action. For weed resistance management the product is a Group B herbicide. Some naturally occurring weed biotypes resistant to the product 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 this product or other Group B herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, 4Farmers Australia Pty Ltd accepts no liability for any losses that may result from the failure of the product to control resistant weeds. Strategies to minimize the risk of herbicide resistance are available. Contact your farm chemical supplier, consultant, local Department of Agriculture, or local 4Farmers representative.

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

Refer to MINIMUM RECROPPING PERIODS for crop rotation information. Crops susceptible to 4Farmers Flumetsulam 800 WG Herbicide include canola, cotton, faba beans, lupins, sorghum and sunflowers.

**DO NOT flood irrigate any treated crop or pasture for 48 hours after application. Where other types of irrigation are used, for example sprinklers, DO NOT irrigate to the point of runoff for at least 48 hours after application.**

DO NOT apply to waterlogged soils or if heavy rain is expected within 48 hours of application.

DANGEROUS TO AQUATIC PLANTS AND SUSCEPTIBLE CROPS. DO NOT

contaminate dams, waterways or drains with the product or its containers.

DO NOT apply under weather conditions, such as dead calm or excessive wind, or from spraying equipment producing small droplets that may cause spray to drift onto adjacent areas, particularly wetlands, waterbodies, susceptible crops or land to be planted with susceptible crops.

**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.

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

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

**STORAGE AND DISPOSAL**

KEEP OUT OF REACH OF CHILDREN. Store in the closed, original container in a securely locked, dry, cool, well-ventilated place, out of direct sunlight. DO NOT store near food, feedstuffs, fertilizers or seed. DO NOT dispose of any undiluted chemical on-site. When the container is empty, shake any residual material into the spray tank.

Shred and bury empty packaging in a local authority landfill. If no landfill is available, bury the packaging below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty packaging should not be burnt.

**SMALL SPILL MANAGEMENT**

Sweep up material and contain in a refuse vessel for disposal in the same manner as for containers (see STORAGE AND DISPOSAL section).

**SAFETY DIRECTIONS****KEEP OUT OF REACH OF CHILDREN**

Product will irritate eyes. When handling granules avoid contact with eyes. If product in eyes, wash out immediately with water. Wash hands after use.

**FIRST AID**

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

**SAFETY DATA SHEET**

For further information please refer to the Safety Data Sheet. For a copy visit our website at [www.4farmers.com.au](http://www.4farmers.com.au)

**EXCLUSION OF LIABILITY**

4Farmers Australia Pty Ltd and/or its affiliates ("4Farmers") shall not be liable for any loss, injury, damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on 4Farmer's skill or judgement in purchasing or using the same and every person dealing with this product does so at his own risk absolutely No representative of 4Farmers Australia Pty Ltd has any authority to add to or alter these conditions.

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<b>In a Transport Emergency Dial 000 Police or Fire Brigade</b>	<b>Special Poisons Advice: 13 11 26</b>
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