



# 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**

**4 FARMERS AUSTRALIA PTY LTD**

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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 sulfonlyureas)

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	10 cm 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	5 cm diameter			
Charlock	8 leaf	10 cm diameter			
Indian hedge mustard	6 leaf	5 cm diameter			
Lupins	10 leaf	10 cm high			
Marshmallow (Small flowered mallow)	4 leaf	10 cm diameter			
Pheasant's eye	8 leaf	10 cm diameter			
Shepherd's purse	8 leaf	10 cm diameter			
Three-horned bedstraw	6 whorls	10 cm high			
Turnip weed	8 leaf	5 cm diameter			
Volunteer canola	8 leaf	10 cm 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	10 cm diameter			
Wild turnip	6 leaf	5 cm diameter			
<b>SUPPRESSED</b>					
Capeweed (WA only)	4 leaf	10 cm 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	10 cm diameter			
Wild radish	4 leaf	5 cm 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. DO NOT 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.</b> <b>In lucerne DO NOT use with MCPA.</b> <b>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. DO NOT 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	10 cm diameter	25 + spray oil or wetter	
Ball mustard	6 leaf	5 cm diameter		
Buchan weed	8 leaf	10 cm diameter	Lucerne and/or clover only 25 + wetter + 2,4-DB (500g/L) 1.5–2.5L/ha  Grazing lucerne only 50 + 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 used for seed production.
Calepina (White ball mustard)	8 leaf	10 cm diameter	25 + spray oil or wetter	
Capeweed	4 leaf	10 cm 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	10 cm 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	10 cm diameter	25 + spray oil or wetter	Use a spray oil or a wetting agent at appropriate rate.
Doublegee (Spiny emex)	4 leaf	10 cm 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.
	6 leaf	15 cm 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>	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.
Dwarf marigold (Poverty weed)	10 leaf	15 cm high	15 + spray oil or wetter	
Fat hen	15 leaf	20 cm high	Spring/summer pasture and lucerne only 25 + spray oil or wetter  Grazing lucerne only 50 + spray oil or wetter	Spring and summer pasture and lucerne application only.  Use the 50g/ha rate in grazing lucerne only and apply from 4 trifoliolate leaves onwards. DO NOT apply at 50g/ha to lucerne used for seed production.
Fumitory	6 leaf	8 cm 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	10 cm diameter	25 + spray oil	
Lupins	10 leaf	10 cm 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	10 cm 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	20 cm 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	20 cm 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. DO NOT apply 50g/ha to lucerne used for seed production.
Paterson's curse (Salvation Jane)	8 leaf	10 cm 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.
Peppercress seedlings	8 leaf	10 cm diameter	25 + spray oil or wetter	
	10 leaf	15 cm diameter	25 + wetter + 2,4-DB (500g/L) 1.5–2.5L/ha	
Pheasant's eye	7 leaf	10 cm high		
Shepherd's purse	8 leaf	10 cm diameter	25 + spray oil or wetter	
Three-horned bedstraw	6 whorls	10 cm high		
Turnip weed	8 leaf	5 cm diameter	15 + spray oil or wetter	
	12 leaf	10 cm diameter	25 + spray oil or wetter	
Volunteer canola	8 leaf	10 cm diameter	25 + spray oil or wetter	
Ward's weed	8 leaf	10 cm diameter	25 + spray oil or wetter	
Wild radish	6 leaf	15 cm 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>	When conditions at spraying are less than ideal (see RESTRAINTS above), or when the crop is not competitive, some radish plants may survive to flower and set viable seed. <b>DO NOT use MCPA amine in cereals undersown with clover, medics or lucerne.</b> <b>In clover DO NOT use diuron.</b> <b>In lucerne DO NOT use MCPA.</b> <b>In medics DO NOT use MCPA.</b>
Wild radish (cereals)	6 leaf	15 cm 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. DO NOT use MCPA amine or MCPA amine + terbutryn in cereals undersown with clover, medics or lucerne.
Wild turnip	10 leaf	10 cm diameter	25 + spray oil or wetter	
Wireweed	10 leaf	15 cm 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.

