

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Smart Flumetsulam 800 WG

HERBICIDE

ACTIVE CONSTITUENT: 800g/Kg FLUMETSULAM

GROUP

2

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 medics); clover, fenugreek, lathyrus, lucerne, medic, serradella, and vetch (popany only) seed crops and pastures; chickpeas, field peas, lentils, maize, peanuts; and for the pre-emergence control of certain broadleaf weeds in maize and soybeans as specified in the Directions For Use Table

IMPORTANT: READ THE ATTACHED BOOKLET BEFORE USING THIS PRODUCT

Crop Smart Pty. Ltd
ABN 28 093 927 961
2409/4 Daydream Street, Warriewood NSW 2102
Tel: 1300 783 481 Fax: 1300 783 491



Batch Number:

Date of Manufacture:

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APVMA Approval Number: 88155/120434

Crop Smart
better crop protection

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**IMPORTANT: READ THIS
LEAFLET BEFORE USE**

CONTENTS: 500 g - 1 Kg

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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 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 treatments if rain is likely within 4 hours.

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

DO NOT apply to crops affected by disease or by previous herbicide treatment (e.g. triazines or sulfonyleureas).

TABLE 1A

CHICKPEAS, FIELD PEAS, LENTILS, FENUGREEK, LATHYRUS, VETCH (POPANY ONLY) AND SERRADELLA

CROP	GROWTH STAGES	CROP TOLERANCE	SPRAY ADDITIVES / TANK MIXES
Chickpeas	4 - 6 branches (no later than 6 weeks after emergence)	Smart Flumetsulam 800 WG Herbicide usually causes some transient crop yellowing and can cause reddish discolouration and height suppression. Flowering may be delayed resulting in yield suppression.	DO NOT use any spray additives, or tank mix any other chemicals with Smart Flumetsulam 800 WG Herbicide when using on chickpeas and field peas.
Field Peas	2 to 6 nodes (no later than 6 weeks after emergence)	Smart 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	<p>4-8 fully expanded leaves</p> <p>DO NOT apply later than 6 weeks after crop emergence.</p>	<p>Smart Flumetsulam 800 WG Herbicide may cause transient height reduction, crop discolouration and delayed flowering, although yields are normally unaffected. However, stress conditions after application (e.g. 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.</p>	<p>Uptake Spraying Oil at 500 mL/100L or BS-1000 at 200 mL/100 L may be applied with Smart Flumetsulam 800 WG Herbicide to lentils.</p>
Fenugreek Lathyrus Vetch (Popany only)	<p>3 fully expanded leaves onwards</p>		<p>Use Smart Flumetsulam 800 WG Herbicide or Smart Flumetsulam 800 WG Herbicide plus a wetter only. Tank mixtures with other herbicides are NOT recommended.</p>
Serradella	<p>3 fully expanded leaves onwards</p>		<p>Uptake Spraying Oil at 500 mL/100 L or BS-1000 at 200 mL/100 L may be applied with Smart Flumetsulam 800 WG Herbicide for serradella.</p>

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)		
CONTROLLED				
Amsinckia (Yellow burrweed)	10 leaf	10 cm diameter	25	Where recommended, use of either a wetter or Uptake Spraying Oil with Smart Flumetsulam 800 WG Herbicide will provide better weed control.
Ball mustard	6 leaf	5 cm diameter		
Charlock	8 leaf	10 cm diameter		Spray charlock 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.
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		
Ward's weed	8 leaf	10 cm diameter		
Wild turnip	6 leaf	5 cm diameter		

WEED	WEED GROWTH STAGE		RATE g/ha	CRITICAL COMMENTS
	Up To Leaf No. or	Up To Plant Size (cm)		
SUPPRESSED				
Capeweed (WA only)	4 leaf	10 cm diameter	25	Under ideal growing conditions, Smart 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.
Doublegee (Spiny emex) (WA only)	4 leaf	10 cm diameter		Under ideal growing conditions, Smart 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.
Wild radish	4 leaf	5 cm diameter		Best results will occur with treatment in conditions of >5°C with bright sunny conditions and use of higher water rates of 75-100 L/ha with fine-medium quality spray droplets to get excellent spray coverage.

TABLE 2A

WHEAT, BARLEY, OATS, TRITICALE, CEREAL RYE (INCLUDING THOSE UNDERSOWN WITH CLOVER, LUCERNE OR MEDICS), CLOVER, LUCERNE AND MEDIC CROPS MIXED GRASSES/LEGUME PASTURES

CROP / SITUATION	GROWTH STAGES	CROP TOLERANCE	SPRAY ADDITIVES / TANK MIXES
Wheat	3 leaf until start of jointing (Zadoks 13-31)		Always apply with Uptake Spraying Oil at 500 mL/100 L or a 100% concentrate non-ionic wetting agent such as BS-1000 at 200 mL / 100 L.

CROP / SITUATION	GROWTH STAGES	CROP TOLERANCE	SPRAY ADDITIVES / TANK MIXES
Barley Oats	Mid-tillering to start of jointing (Zadoks 23-31)	Transient stem shortening and discolouration may occur, yields are normally unaffected. Where barley and oats are undersown a vigorous legume component may lengthen the 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 such as BS-1000 when either applying Smart 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 (Zadoks 23-31)		Always apply with Uptake Spraying Oil at 500 mL/100 L or a 100% concentrate non-ionic wetting agent such as BS-1000 at 200 mL / 100 L.
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	Medic, lucerne and subterranean clover (sub clover) - When Smart Flumetsulam 800 WG Herbicide is applied at 25 g/ha + Uptake 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 Uptake Spraying Oil at 500 mL/100 L or a 100% concentrate non-ionic wetting agent such as BS-1000 at 200 mL / 100 L. In lucerne DO NOT use with MCPA. In medics DO NOT use with MCPA.
Grazing lucerne - high rate	4 trifoliolate leaves onwards	Use the 50 g/ha rate in grazing lucerne only. DO NOT apply at 50 g/ha to lucerne used for seed production.	

CROP / SITUATION	GROWTH STAGES	CROP TOLERANCE	SPRAY ADDITIVES / TANK MIXES
Fence lines, Stock camps, Stockyards, Commercial areas and pastures including medic, lucerne and clover pastures.	2 to 3 trifoliolate leaves onwards (see crop tolerance)		Use Uptake Spraying Oil at 500 mL/100 L.
SALVAGE SPRAY			
Cereals: Wheat Barley Oats, Triticale, Cereal rye	Flowering (anthesis) to early dough (Zadoks, 61-83)	DO NOT apply at 25 g/ha	
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 + Uptake or wetter	
Ball mustard	6 leaf	5 cm diameter		

WEED	WEED GROWTH STAGE		RATE g/ha	CRITICAL COMMENTS
	Up To Leaf No. or	Up To Plant Size (cm)		
Buchan weed	8 leaf	10 cm diameter	Lucerne and/or clover only 25 + wetter + 2,4-DB (500 g/L) 1.5-2.5 L/ha	Use the 50 g/ha rate in grazing lucerne only and apply from 4 trifoliolate leaves onwards. DO NOT apply at 50 g/ha to lucerne used for seed production.
			Grazing lucerne only 50 + Uptake or wetter	
Calepina (White ball mustard)	8 leaf	10 cm diameter	25 + Uptake or wetter	
Capeweed	4 leaf	10 cm diameter	25 + Uptake or wetter + bromoxynil (200 g/L) 700 mL/ ha	Optimum results are obtained in a competitive pasture. For best results follow up with moderate grazing 2 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 + Uptake 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 + Uptake or wetter	Use Uptake Spraying Oil at 500 mL/100 L or wetting agent such as BS-1000 at 200 mL/100 L.

WEED	WEED GROWTH STAGE		RATE g/ha	CRITICAL COMMENTS
	Up To Leaf No. or	Up To Plant Size (cm)		
Doublegee (Spiny emex)	6 leaf	15 cm diameter	25 + Uptake or wetter + bromoxynil (200 g/L) 700 mL/ ha or 25 + wetter + 2,4-DB (500 g/L) 1.5 - 2.5 L/ha	Optimum results are obtained in a competitive pasture. For best results follow up with moderate grazing 2 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 Uptake Spraying Oil or a wetter with Smart Flumetsulam 800 WG Herbicide + bromoxynil tank mixture.
Dwarf marigold (Poverty weed)	10 leaf	15 cm high	15 + Uptake or wetter	
Fat hen	15 leaf	20 cm high	Spring/Summer pasture and lucerne only 25 + Uptake or wetter	Spring and summer pasture and lucerne application only.
			Grazing lucerne only 50 + Uptake or wetter	Use the 50 g/ha rate in grazing lucerne only and apply from 4 trifoliolate leaves onwards. DO NOT apply at 50 g/ha to lucerne used for seed production.

WEED	WEED GROWTH STAGE		RATE g/ha	CRITICAL COMMENTS
	Up To Leaf No. or	Up To Plant Size (cm)		
Fumitory	6 leaf	8 cm diameter	25 + 300 mL/ha terbutryn (500 g/L) + wetter	<p>Only use a wetter with Smart Flumetsulam 800 WG Herbicide + terbutryn tank mixes.</p> <p>NOTE: This mixture is only approved for use in NSW, VIC and TAS on pastures.</p>
Hedge mustard Indian hedge mustard	8 leaf	10 cm diameter	25 + Uptake	
Lupins	10 leaf	10 cm high	25 + Uptake or wetter	
WA blue and narrow leaf lupins (WA only)	4 to 8 leaf		10 + Uptake or wetter	
Marsh-mallow (Small flowered mallow) seedlings	4 leaf	10 cm diameter	25 + Uptake or wetter, or 15 + wetter + 700 mL/ha bromoxynil/MCPA (200 g/L + 200 g/L) or 15 + wetter + 350 mL/ha terbutryn (500 g/L) + 700 mL/ha MCPA amine (500 g/L)	
	10 leaf	20 cm diameter	25 + wetter + 2,4-DB (500 g/L) 1.5-2.5 L/ha	For older plants see Weeds Suppressed. Only use a wetter with Smart Flumetsulam 800 WG Herbicide + 2,4 D,B tank mixes.
			Grazing lucerne only 50 + Uptake or wetter	Use the 50 g/ha rate in grazing lucerne only and apply from 4 trifoliolate leaves onwards. DO NOT apply at 50 g/ha to lucerne used for seed production.

WEED	WEED GROWTH STAGE		RATE g/ha	CRITICAL COMMENTS
	Up To Leaf No. or	Up To Plant Size (cm)		
Paterson's curse (Salvation Jane)	8 leaf	10 cm diameter	25 + Uptake or wetter + bromoxynil (200 g/L) 700 mL/ha or 25 + wetter + terbutryn (500 g/L) 300 mL/ha	In pasture, larger plants and any affected by stress or grazing prior to treatment may re-grow and flower. For best results follow up with moderate grazing 2 weeks after application. With terbutryn, apply in a minimum spray volume of 100 L/ha from the ground or 50 L/ha from aircraft.
Peppercress seedlings	8 leaf	10 cm diameter	25 + Uptake or wetter	
	10 leaf	15 cm diameter	25 + wetter + 2,4-DB (500 g/L) 1.5 - 2.5 L/ha	
Pheasant's eye	7 leaf	10 cm high	25 + Uptake or wetter	
Shepherd's purse	8 leaf	10 cm diameter		
Three-horned bedstraw	6 whorls	10 cm high		
Turnip weed	8 leaf	5 cm diameter	15 + Uptake or wetter	
	12 leaf	10 cm diameter	25 + Uptake or wetter	
Volunteer canola	8 leaf	10 cm diameter		
Ward's weed				

WEED	WEED GROWTH STAGE		RATE g/ha	CRITICAL COMMENTS
	Up To Leaf No. or	Up To Plant Size (cm)		
Wild radish	6 leaf	15 cm diameter	25 + Uptake or wetter + bromoxynil (200 g/L) 700 mL/ha or 25 + wetter + MCPA amine (500 g/L) 500 mL	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.
Wild radish (cereals)	6 leaf	15 cm diameter	15 + wetter + 700 mL/ha bromoxynil/MCPA (200 g/L + 200 g/L) or 15 + Uptake or wetter + 700 mL/ha MCPA amine (500 g/L) or 15 + wetter + 700 mL/ha MCPA amine (500 g/L) + 350 mL/ha terbutryn (500 g/L)	DO NOT use MCPA amine in cereals undersown with clover, medics or lucerne. In lucerne DO NOT use MCPA. In medics DO NOT use MCPA. Add Uptake Spraying Oil or wetter to Smart Flumetsulam 800 WG Herbicide mixes with MCPA amine and a wetter to Smart Flumetsulam 800 WG Herbicide + MCPA/terbutryn or Smart 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 + Uptake or wetter	
Wireweed	10 leaf	15 cm diameter	Pasture and lucerne only 25 + wetter + 2,4-DB (500g/L) 1.5-2.5L/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	10 cm diameter	25 + Uptake or wetter	Only use a wetter with Smart Flumetsulam 800 WG Herbicide + 2,4-DB tank mixes.	
Deadnettle	6 leaf	5 cm diameter	25 + wetter + 2,4-DB (500 g/L) 1.5 - 2.5 L/ha		
Doublegee (Spiny emex)	4 leaf	10 cm diameter	25 + Uptake or wetter		
	6 leaf	15 cm diameter	Grazing lucerne only 50 + Uptake or wetter	Use the 50 g/ha rate in grazing lucerne only and apply from 4 trifoliolate leaves onwards.	
Marsh-mallow (Small flowered mallow)	5-8 leaf	10 cm diameter	25 + Uptake or wetter		DO NOT apply at 50 g/ha to lucerne intended for seed production.
New Zealand spinach		4 leaf		5 cm diameter	
Paterson's curse (Salvation Jane)		8 leaf		10 cm diameter	
Peppergrass		10 leaf		15 cm diameter	
Stagger weed	6 leaf	5 cm diameter	25 + wetter + 2,4-DB (500 g/L) 1.5 - 2.5 L/ha	Only use a wetter with Smart Flumetsulam 800 WG Herbicide + 2,4-DB tank mixes.	
Wild radish	4 leaf	5 cm diameter	25 + Uptake or wetter		

TABLE 3A**DIURON TANK MIXES: WHEAT, BARLEY, OATS, TRITICALE, CEREAL RYE.**

TANK MIXTURES: READ ALL LABEL DIRECTION INCLUDING RESTRAINTS, SPRAY DRIFT RESTRAINTS, MANDATORY NO-SPRAY ZONES, CRITICAL COMMENTS, WITHHOLDING PERIODS, REGIONAL USE RESTRICTIONS AND SAFETY DIRECTIONS FOR THE TANK MIX PRODUCTS.

CROP/SITUATION	GROWTH STAGES	CROP TOLERANCE	SPRAY ADDITIVES / TANK MIXED
Wheat	3 leaf until start of jointing (Zadoks 13-31)		Always apply with Uptake Spraying Oil at 500 mL/100L or a 100% concentrate non-ionic wetting agent such as BS-1000 at 200mL/100L.
Barley / Oats	Mild-tillering to start of jointing (Zadoks 13-31)	Transient stem shortening and crop discolouration may occur, although yields are normally unaffected. In severe cases yields may be suppressed.	Use only with a wetting agent such as BS-1000 when either applying Smart 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 (Zadoks 13-31)		Always apply with Uptake Spray Oil at 500mL/100L or a 100% concentrate non-ionic wetting agent such as BS-1000 at 200mL/100L.
SALVAGE SPRAY			
Cereals Wheat Barley Oats Triticale Cereal Rye	Flowering (anthesis) to early dough (Zadoks 61-83)	DO NOT use more than 25g/ha.	

TABLE 3B**DIURON TANK MIXES: WEEDS CONTROLLED IN TABLE 3A CROPS**

WEED	WEED GROWTH STAGE		RATE (g/ha)	CRITICAL COMMENTS
	Up To Leaf No. or	Up To Plant Size (cm)		
Capeweed	4 leaf	10cm diameter	25+wetter+100 mL/ha diuron (500g/L)	Optimum results are obtained in a competitive pasture. For best results follow up with moderate grazing 2 weeks after application. Larger plants and any affected by stress or grazing prior to treatment may re-grow and flower.
Doublegee (Spiny Emex)	4 leaf	10cm diameter	25+wetter+100 mL/ha diuron (500g/L)	

TABLE 4**AGRICULTURAL NON-CROP AREAS**

WEED	WEED GROWTH STAGE	RATE g/ha	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: 25 g/100 L	Apply to actively growing rosettes. To ensure complete coverage, spray to the point of runoff. Use Uptake Spraying Oil at 500 mL/100 L.

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

CROP	GROWTH STAGES	CROP TOLERANCE	SPRAY ADDITIVES / TANK MIXES
Seed crops of Subterranean clover, Red clover, White clover, Arrowleaf clover, Lucerne	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 40 g/ha to lucerne intended for seed production.	Use Uptake Spraying Oil at 500 mL/100 L or a wetting agent such as BS-1000 at 200 mL/100 L. In clover and lucerne Smart 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**

WEEDS CONTROLLED	WEED GROWTH STAGE	RATE g/ha	CRITICAL COMMENTS
Charlock	Up to 3½ leaf stage	25 + Uptake or wetter	Use Uptake Spraying Oil at 500 mL/100 L or wetting agent such as BS-1000 at 200 mL/100 L.
Fat hen Lesser swinecress Mustards Shepherd's purse Wild radish Wild turnip	Beyond 3½ leaf stage and up to 10 leaf stage	40 + Uptake or wetter	

WEEDS SUPPRESSED			
Capeweed Chickweed Fumitory Spurrey Wireweed	Beyond 3½ leaf stage and up to 10 leaf stage	40 + Uptake or wetter	In clover and lucerne, seedlings of these weeds will be suppressed with Smart Flumetsulam 800 WG Herbicide alone. In clover and lucerne, Smart 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 200 mL/100 L with these tank mixes.

TABLE 6A

SOYBEANS, LUCERNE, MAIZE AND PEANUTS

CROP	GROWTH STAGES	APPLICATION METHODS	SPRAY ADDITIVES / TANK MIXED	CROP TOLERANCE
Maize	Post-Plant Pre-Emergence (PPPE)	Apply Smart Flumetsulam 800 WG Herbicide after planting and before emergence of crop and weeds. Apply to moist soil only.	May be tank mixed with pendimethalin.	

CROP	GROWTH STAGES	APPLICATION METHODS	SPRAY ADDITIVES / TANK MIXED	CROP TOLERANCE
Soybean	Pre-Plant Incorporated (PPI)	Incorporate into the soil within 4 hours by making 2 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.	Some transitory crop yellowing and height suppression should be expected but yield will be unaffected.
	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 Smart 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 50 g/ha to lucerne intended for seed production.	
Peanuts	Post-Emergent Up to 6 leaf stage		Apply with Uptake Spraying Oil at 500 mL/100 L spray volume or with a 100% concentrate non-ionic wetter such as BS-1000 at 200 mL/100 L.	

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

WEED	WEED GROWTH STAGE	RATE g/ha	CRITICAL COMMENTS
WEEDS CONTROLLED			
Annual ragweed Boggabri weed Fat hen Wild radish (IBS and PPPE only)	Pre-emergent	25 or 50	WEED CONTROL: Minimum spray volume 150 L/ha for optimum results. 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 25 g/ha on weeds up to 2 leaf stage and 50 g/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 + Uptake or wetter	
WEEDS SUPPRESSED			
Black pigweed Bladder ketmia Caltrop Cobbler's-pegs	Pre-emergent	25 or 50	WEED CONTROL: Minimum spray volume 150 L/ha for optimum results. 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 25 g/ha on weeds up to 2 leaf stage and 50 g/ha on larger weeds up to 4 leaf stage and where more residual control is required.
Annual ground cherry Anoda weed Bladder ketmia Boggabri weed Fierce thornapple (QLD only) Red pigweed Wild gooseberry	Post-emergent Up to 4 leaf	25 or 50 + Uptake or wetter	

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

WITHHOLDING PERIODS

HARVEST:

CHICKPEAS, FIELD PEAS, LENTILS, MAIZE, PEANUTS AND SOYBEANS	NOT REQUIRED WHEN USED AS DIRECTED.
WINTER CEREALS	DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION.

GRAZING/STOCK FOOD

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.

GENERAL INSTRUCTIONS

MIXING

Quarter-fill the spray tank and add the required amount of Smart Flumetsulam 800 WG Herbicide. Add the remaining water with the agitator running. Add Uptake Spraying Oil or the wetting agent last (if used). Maintain agitation during spraying. Only mix sufficient spray solution for immediate use and avoid storing.

When Tank Mixing: Smart 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 (e.g. Lontrel Herbicide), emulsifiable concentrates (e.g. Verdict 520 Herbicide) and then add Uptake Spraying Oil or wetting agent last (if used).

APPLICATION

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

For aircraft application apply Smart Flumetsulam 800 WG Herbicide in NO less than 30 L/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 the 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 75 L/ha) and where spray coverage is maximised.

COMPATIBILITY

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

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

Smart Flumetsulam 800 WG Herbicide Is Compatible with The Following:

Adjuvants

Uptake Spraying Oil, Hasten Spray Adjuvant, BS 1000

Broadleaf Herbicides

Atrazine	Clopyralid 750 g/kg and 300g/L formulations	Imazethapyr
Basagran M60 Herbicide	MCPA amine	Fluroxpyr
Bromoxynil	MCPA ester	Stomp 330E Herbicide
2,4-DB	MCPA sodium salt	Terbutryn
Diflufenican (lentils and field peas only)	Metsulfuron	Tordon 242 Cereal Herbicide
Diflufenican + Bromoxynil	Trifluralin	

Grassweed Herbicides

Clethodim (lentils only)	Simazine	Tristar Advance Selective Herbicide
Diclofop-Methyl (ryegrass only)	Trifluralin	Haloxyfop
Paraquat	Clodinafop	Wildcat Selective Herbicide - (wild oats only)

Insecticides

Dimethoate, Esfenvalerate (Lentils Only), Chlorpyrifos, Omethoate

Fungicides (Lentils Only)

Carbendazim, Chlorothalonil, Mancozeb

Foliar Fertilisers

Broadacre Zinc (Lentils Only)

CLEANING SPRAY EQUIPMENT

After using Smart 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 (e.g. 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 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 to drain. Chlorine based cleaners are NOT recommended. Nufarm Tank and Equipment 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.

MINIMUM RECROPPING PERIODS

Cereal Rye, Medics, Triticale, Wheat, Maize, Soybeans	May be planted at any time after application of Smart 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 Smart Flumetsulam 800 WG Herbicide. Canola, faba beans and lupins are more sensitive and may be planted 9 months after application of Smart 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 crops should NOT be planted until 2 years after application of Smart Flumetsulam 800 WG Herbicide.

EXPORT OF LIVESTOCK

When Smart 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.

RESISTANT WEEDS WARNING

GROUP 2 HERBICIDE

Smart Flumetsulam 800 WG Herbicide is a broadleaf herbicide with no annual ryegrass activity and is a member of the triazolopyrimidine sulfonanilide (sulfonamide) group of herbicides. Smart Flumetsulam 800 WG Herbicide has the acetolactate synthase (ALS) inhibitor mode of action. For weed resistance management, Smart Flumetsulam 800 WG Herbicide is a Group 2 herbicide.

Some naturally occurring weed biotypes resistant to Smart Flumetsulam 800 WG Herbicide and other Group 2 herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if Smart Flumetsulam 800 WG Herbicide and other Group 2 herbicides are used repeatedly. These resistant weeds will NOT be controlled by Smart Flumetsulam 800 WG Herbicide or any other Group 2 herbicides.

Strategies to minimise the risk of herbicide resistance are available. Contact your farm chemical supplier, consultant, local Department of Agriculture, or local Crop Smart Pty Ltd representative.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

Refer to MINIMUM RECROPPING PERIODS for crop rotation information. Crops susceptible to Smart Flumetsulam 800 WG Herbicide include but are NOT limited to 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, watercourses, 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 dams, streams, drains, rivers or watercourses with the chemicals or used containers.

STORAGE AND DISPOSAL

KEEP OUT OF REACH OF CHILDREN.

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 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 to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500mm 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 regulations. DO NOT burn empty containers or product.

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

Product will irritate the eyes. When handling the granules avoid contact with eyes. If product in eyes wash it 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

Additional information is listed in the Safety Data Sheet (SDS), which is available from the supplier.

NOTICE TO BUYER

Crop Smart Pty Ltd shall not be liable for any loss, injury, damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence, use under abnormal conditions 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 Smart's skill or judgment in purchasing or using the product and every person dealing with this product does so at their own risk.



Additional GHS Statement

Wear protective gloves, protective clothing and eye or face protection.

Causes eye irritation. IF IN EYES: Rinse cautiously with water for several minutes

**IN AN EMERGENCY
DIAL 000
POLICE OR FIRE BRIGADE**

**EMERGENCY CONTACT CHEMWATCH
1800 951 288
AUSTRALIA WIDE, 24 HOURS**

