

Smart

POISON

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

Ester 680

HERBICIDE

ACTIVE CONSTITUENT: 680g/L 2,4-D
present as the 2-ETHYLHEXYL ESTER

Group **I** Herbicide

A specially formulated low volatile herbicide for selective control of various weeds in crops, pastures and non-agricultural areas as per the Directions For Use Table.

This is a PHENOXY HERBICIDE that can cause severe damage to susceptible crops such as cotton, grapes, tomatoes, oilseed crops and ornamentals.



IMPORTANT:
READ THE ATTACHED LEAFLET BEFORE USING THIS PRODUCT.

Crop Smart
better crop protection

Contents 20, 110 & 1000L

APVMA APPROVAL NO: 65116/0214

Distributed by :
Crop Smart Pty Ltd
ACN 093 927 961
2409/4 Daydream Street, Warriewood NSW 2102
Tel: 1300 783 481

GENERAL INSTRUCTIONS

Before opening, carefully read Directions for Use, Precautionary Statements, Safety Directions and First Aid Instructions.

STORAGE AND DISPOSAL (20L, 200L only)

Store in the closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight.

This container can be recycled if it is clean, dry, free of visible residues and has the *drumMUSTER* logo visible. Triple or preferably pressure rinse containers before disposal. Dispose of rinsate by adding it to the spray tank. DO NOT dispose of undiluted chemical on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any *drumMUSTER* collection point or similar container management program site. The cap should not be replaced but may be taken separately. If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 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.

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.

Envirodrum 110L Mini Bulk Returnable Container

Store the original sealed Envirodrum in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT tamper with the Micro Matic valve or the security seal. DO NOT contaminate the Envirodrum with water or any other foreign matter. After each use of the product please ensure that the Micro Matic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the Envirodrum have been used, please return the empty Envirodrum to the point of purchase. The Envirodrum remains the property of Crop Smart Pty.Ltd.

SAFETY DIRECTIONS

Poisonous if swallowed. Avoid contact with eyes and skin. DO NOT inhale spray mist. When preparing spray wear PVC or rubber apron, elbow-length PVC gloves and face shield. When using the prepared spray, wear face shield. If product on skin, immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms, and face thoroughly with soap and water. After each day's use wash gloves, face shield and contaminated clothing.

FIRST AID

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

MATERIAL SAFETY DATA SHEET

For further information refer to the Material Safety Data Sheet (MSDS).

CONDITION OF SALE

Crop Smart Australia Limited ("Crop Smart") shall not be liable for any loss, injury, damage or death whether consequential or otherwise whatsoever, or howsoever arising 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 conditions that the purchaser does not rely on Crop Smart'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 Crop Smart has any authority to alter these conditions.

IN A TRANSPORT EMERGENCY
DIAL 000
POLICE OR FIRE BRIGADE

CROP SMART PTY.LTD EMERGENCY CONTACT
1300 783 481
AUSTRALIA WIDE, 24 HOURS



DIRECTIONS FOR USE:

RESTRAINTS: AVOID spraying if rain is likely within 6 hours or if strong winds prevail. DO NOT apply if crop or weeds are stressed due to dry or excessively moist conditions. DO NOT use when breeze is blowing towards nearby susceptible plants.

1. FIELD CROPS

REFER TO SECTION “SPRAY APPLICATIONS AND DRIFT RISK ASSESSMENT” BEFORE APPLICATION.

| Situation & Crop | Weeds Controlled | State | Rate/ha | Critical Comments |
|--|---------------------|--------------------|--------------|---|
| Wheat, Barley | Refer to Weed Table | Vic only | 210-800mL | <p>CROP STAGES: ALL CEREALS Variations between varieties do occur. Check sensitivity and growth stages of varieties before applying. Damage may result if applied too early.</p> <p>Vic only: Apply at tillered to boot stages.</p> <p>NSW, ACT only: Apply after when the first node can be felt at the base of a tiller and before swelling of the head can be felt in a tiller.</p> |
| | | SA only | 230-800mL | |
| | | Qld, NSW, ACT only | 410-800mL | |
| | | Tas only | 620-800mL | |
| | | WA only | 800mL | |
| Triticale | | Qld, NSW, ACT only | 410-800mL | <p>Qld only: Apply from mid-tillering (5 to 6 fully emerged main stem leaves plus one or more tillers) to before boot stage (visible swelling of the head at the top of the main stem).</p> <p>SA, Tas only: Apply from completion of tillering to early jointing stage.</p> |
| | | SA only | 240-820mL | |
| | | Vic only | 210-800mL | |
| Cereal Rye | | NSW, ACT, Qld only | 410-800mL | <p>WA only: Apply from the 5 leaf stage up to jointing stage (Zadoks 15-33). Apply only at 6 leaf stage for cranbrook and jacup wheats (Zadoks 16) to avoid possible damage.</p> |
| | | Vic only | 210-800mL | |
| Sugar Cane | | Qld only | 1.15-2.4L | Post-emergence. |
| Stubble/ Fallow Spray Prior to Direct Drilling or Sowing. Winter Cereals, Grain legumes | | All States | 210-800mL/ha | Observe the plant back periods given in the table in this leaflet. Must be tank mixed with a knockdown herbicide such as Smart Glyphosate 450 Herbicide, Credit ¹ Broadhectare herbicide plus Bonus ¹ , Smart Paraquat 250 Herbicide or Paraquat/Diquat |

| | | | | |
|---|--|---------------|-----------|---|
| (Peanuts Qld only), Canola | | | | 250g/L Herbicide. Select appropriate rate from the weed table. For skeleton weed, spraying should only be done 6-8 weeks before anticipated sowing date and subsequent cultivation limited to a minimum. |
| Harvest Aid or Salvage Spray -Winter Cereals | Broadleaf Weeds Refer to Weed Table | All States | 1.7L | Apply after dough stage of crop. Interval between application and effectiveness is 10-20 days. For desiccation of green matter, estimate harvest date and apply spray approximately 14 days earlier. Rain between spraying and actual harvest can negate results. NB. Where thistles are tall and branching above the crop, spraying can turn the branches down into the crop, presenting more stalks to cause header comb blockages. Spraying may increase seed contamination of harvest by accelerating maturity. DO NOT use with undersown legumes that have not set seed. |
| Potatoes Pre-harvest Preparation | Broadleaf Weeds such as Clover, Variegated Thistle & Cruciferous weeds | Vic, Tas only | 1.15-2.4L | Apply approximately 4 to 5 weeks before harvest after the potato haulms have dried off. Use the highest rate where weeds are more than 30cm in height. For boom spraying apply at least 100 litres of spray mixture per hectare. If grasses such as Rye grass and Winter grass are also present add Amitrole T ¹ Herbicide. |

**2. PASTURES, NON-AGRICULTURAL, INDUSTRIAL
REFER TO SECTION “SPRAY APPLICATIONS AND DRIFT RISK ASSESSMENT” BEFORE
APPLICATION.**

| Situation & Crop | Weeds Controlled | State | Rate/ha | Critical Comments |
|---|--|--------------------------------------|----------------------------------|---|
| Improved Pasture containing Clovers | Refer to Weed Table | NSW, ACT, Tas, SA, Qld only | 410-800mL | Clover must be well covered by the grass or extensive damage may result. |
| Pastures – non legumes, Rights of Way & Industrial | | NSW, ACT, Tas, SA, WA, Qld only | 800mL-4.7L | Control of most perennial weeds, but due to the rooting habits of most species control may take a number of years. Damage may result to legumes in pasture. |
| | | Vic only | 800mL-6.6L 70-620mL | Boom Spray. Spot spraying. |
| Pastures – Direct Drilling or Surface Sowing | Charlock, Clover, Medics, Mustards, Paterson’s Curse, Saffron, Slender, Variegated and Spear Thistles, Turnip Weed, Wild Radish, Wild Turnip | NSW, ACT, Qld, WA, Vic, SA, Tas only | 800mL-1.5L (Aerial Application) | Apply to young, actively growing weeds. SOWING: DO NOT sow pasture seed for at least 21 days after application. If soil moisture is dry, delay sowing for at least 30 days. |
| | As Above plus: Capeweed, Wireweed, Storksbill/Erodium, Flatweed, Horehound (seedlings), Skeleton Weed, Nodding or Star Thistles | | 800mL-1.15L (Ground Application) | |
| | St John’s Wort | | 3.3-4.7L (Aerial or Ground) | |
| | All of Above plus grasses | | As above plus Agricrop | |

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| | | | Propon ¹ or Smart Glyphosate 450 Herbicide or Credit ¹ plus Bonus ¹ Weedmaster ¹ Duo |
|--|--|--|--|

3. SPOT SPRAYING

| Situation & Crop | Weeds Controlled | State | Rate/ha | Critical Comments |
|--------------------------------|---------------------|------------|---|--|
| Spot Spraying (All Situations) | Refer to Weed Table | All States | 1/100th of rate on Weed Table per 10L water per 100m ² | Apply through Knapsack. Thorough wetting of weed is essential. |

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.
IN TASMANIA, THIS PRODUCT MAY ONLY BE USED FROM 15TH APRIL TO 15TH SEPTEMBER UNLESS OTHERWISE PERMITTED BY THE REGISTRAR OF PESTICIDES.**

WITHHOLDING PERIOD (WHP): PASTURES, CEREAL CROPS – DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION.

HARVEST WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED.

GENERAL INSTRUCTIONS

Before opening, carefully read Directions For Use, Precautionary Statements, Safety Directions and First Aid Instructions.

APPLICATION INFORMATION

This product may be used in either high or low volume sprays. Just pour into water and stir.

BOOM SPRAYING - Use 30-100 litres water per hectare.

AERIAL SPRAYING - Use 20-90 litres water per hectare.

NOTE: Refer to the Department of Agriculture/ Primary Industries in your state for the current restricted spraying areas.

SPRAY APPLICATIONS AND DRIFT RISK ASSESSMENT

USE ONLY when wind speed is more than 3 kilometres per hour or less than 15 km/h, as measured by an anemometer at the application site.

USE ONLY coarse to very coarse spray according to the ASAE S572 definition for standard nozzles.

Checklist:

- Have you cleaned/decontaminated your boom sprayer?
- Have you contacted your neighbour prior to spraying?
- Is your sprayer set-up correctly for the particular application?
- Check - boom calibration - at nozzle - nozzle choice - low drift/what spray quality - coarse to very coarse droplet?
 - boom height
 - speed of intended application
- You must check, determine and record the weather conditions immediately prior to, and immediately after the spray application is made.
 - Record - Temperatures
 - Relative Humidity
 - Delta T
 - Wind speed (min 3km/hr, max 15km/hr)
 - Is there a temperature inversion?
- Night Spraying - Extra care is required to ensure that inversion conditions are not present. Use smoke generator to determine wind direction and presence of inversion conditions.

EQUIPMENT MAINTENANCE AND USAGE

Keep the spray unit for herbicides only if possible. Otherwise wash out the unit with hot soapy water followed by several clear water rinses. DO NOT use wooden spray vats as they can not be cleaned. Hoses cannot be cleaned and new hoses should be fitted when the unit is to be used for any other purpose.

COMPATIBILITY

This product can be tank mixed with Dicamba 500, Chlorsulfuron 750g/kg, Smart Paraquat 250 Herbicide, Agricrop Propon¹, Nutrazine¹(900DF & Flowable), Credit¹/Bonus¹, Weedmaster¹ Duo, all of Smart Glyphosates, Smart Metsulfuron 600 WG Herbicide, Smart Triasulfuron 750 WG Herbicide, Paraquat/Diquat 250g/L herbicide, Invader¹ 600, Comet¹ 200.

TANK MIXING INSTRUCTIONS

- Fill the spray tank 1/4 full with water and agitate.
- Add wettable powders and water dispersible granules first.
- Agitate until these are uniformly dispersed, while adding water until the tank is 90% full.
- Add suspension concentrates (flowables) then soluble concentrates. Add emulsifiable concentrates last.
- Top up the tank with water and continue agitation until all the ingredients are properly mixed.
- Observe any mixing sequence instructions specifically stated on the tank mix products.

WEED TABLE:

NOTE: Where weeds are to be sprayed in a CROP or PASTURE, use only the rates given for the crop in the table below. In most cases this will give control, however some hard to kill weeds or those in advanced stages of growth may only be suppressed. eg. Rumex spp. (docks) and Polygonum spp. (wireweed, climbing buckwheat) are killed to ground level only.

APPLICATION RATE PER HECTARE

| WEEDS CONTROLLED | CROP | | | | | | PASTURES – NON LEGUMES | | |
|------------------------|------|----|-----|----------|-----|----|------------------------|---------------------------------|---|
| | Vic | SA | Tas | NSW, ACT | Qld | WA | Vic | NSW, ACT, TAS, SA, QLD, WA only | Critical Comments |
| Amaranthus spp | - | - | - | 800mL | - | - | - | - | |
| Angled Onion | - | - | - | - | - | - | 3.3L | 0.8-1.7L | Spray when buds forming or early flowering. |
| Apple of Sodom | - | - | - | - | - | - | - | 2.9-3.3L | |
| Bathurst Burr | - | - | - | 800mL | - | - | 1.7-3.3L | 1.7-3.3L | Spray from seedling to pre-flowering. Use higher rate as plant matures. |
| Black Knapweed | - | - | - | - | - | - | 3.3L | - | Spray before flowering. DO NOT cultivate these infestations. |
| Buffalo Burr | - | - | - | - | - | - | - | 800mL-1.5L (NOT Qld & WA) | Spray from seedling to pre-flowering. Use higher rate as plant matures. |
| California Burr | - | - | - | 800mL | - | - | 1.7-3.3L | 1.15-1.7L (NOT SA) | Spray from seedling to pre-flowering. Use higher rate as plant matures. |

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|-------------------------|-------|-------|-------|-----------|-------|-------|----------|--------------------|---|
| Caltrop | - | - | - | 620-800mL | - | - | 1.7-3.3L | - | Spray from seedling to pre-flowering. Use higher rate as plant matures. |
| Cape Tulip | - | - | - | - | - | 1.15L | 3.3L | 1.7-3.3L | Spray before flowering. |
| Capeweed | 800mL | 800mL | 800mL | 530-800mL | - | - | - | 2.5-3.3L | Spray up to rosette stage. |
| Charlock | 410mL | 410mL | 800mL | 410mL | - | - | - | 800mL | Spray up to rosette stage. |
| Clover | - | - | - | 620-800mL | - | - | - | 800mL | |
| Colocynth | - | - | - | - | - | - | 3.3L | - | Spray at seedling stage only. |
| Deadnettle | - | - | - | 800mL | - | - | - | - | |
| Devil's Claw | - | - | - | 800mL | - | - | 1.3L | 1.15-1.7L (NOT SA) | Spray prior to pods forming. |
| Dock | 800mL | 800mL | - | - | 800mL | 800mL | - | 1.7-2.5L | Spray at rosette stage to kill top growth only. |
| Fat Hen | - | - | - | 410-800mL | - | - | - | - | |
| Flatweed | - | - | - | 800mL | - | - | - | 2.5-3.3L | |
| Fumitory (red) | - | 800mL | - | 800mL | - | - | - | 2.5-3.3L | Spray up to rosette stage. |
| Fumitory (white) | 800mL | 410mL | - | 800mL | - | - | - | 2.5-3.3L | Spray up to rosette stage. |
| Galvanised Burr | - | - | - | - | - | - | 4.7L | 4.7L (NOT Qld & | Spray from seedling to pre-flowering. |

| | | | | | | | | | |
|--------------------------------------|-------|-------|---|-------|-------|---|----------|--------------------|----------------------------|
| Goosefoots | - | - | - | 800mL | - | - | - | WA) | |
| Hard Head or Russian Knapweed | - | - | - | - | - | - | 3.3-5.2L | - | Spray before flowering. |
| Hogweed, Wireweed | 800mL | 800mL | - | 800mL | 800mL | - | - | 1.15-1.7L (NOT SA) | Spray up to rosette stage. |

APPLICATION RATE PER HECTARE continued

| WEEDS CONTROLLED | CROP | | | | | | PASTURES – NON LEGUMES | | |
|--------------------------------|------|-------|-------|----------|-----|-------|------------------------|---------------------------------|--|
| | Vic | SA | Tas | NSW, ACT | Qld | WA | Vic | NSW, ACT, TAS, SA, QLD, WA only | Critical Comments |
| Hoary Cress, Whiteweed | - | 800mL | 800mL | 800mL | - | - | 1.7-3.3L | 1.7-2.1L | Spray from late rosette to pre-flowering. |
| Horehound (seedlings) | - | 800mL | - | - | - | 840mL | - | 1.7-3.3L | Late Autumn to early Spring. |
| Ironweed, Corn Gromwell | - | - | - | 800mL | - | - | - | 1.15-1.7L | |
| Khaki Weed | - | - | - | - | - | - | - | 800ml-1.15L (NOT SA) | Spray young seedlings only. |
| Lincoln Weed | - | 800mL | - | - | - | - | - | - | Autumn spray before sowing improves control. |
| London Rocket | - | - | - | - | - | 570mL | - | 1.6-2.5L (WA only) | |

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|--------------------------------|-------|-----------|-------|-----------|-------|-------|----------|--------------------------------|--|
| Lupins | 800mL | - | - | 410-800mL | - | - | - | - | Spray up to rosette stage. |
| Melilotus/Hex ham Scent | 800mL | 800mL | - | - | 800mL | - | - | 1.15-1.7L | Spray up to rosette stage. |
| Melons – camel, paddy | - | - | - | 410-800mL | - | - | - | - | |
| Mustards | 300mL | 230-800mL | 800mL | 410-800mL | 620mL | 620mL | 3.3L | 1.7-2.5L | Spray up to rosette stage. |
| Mexican Poppy | - | 2.3-3.5L | - | 800mL | - | 840mL | - | 800mL-1.5L (1.15-1.5L WA only) | Spray rosette stage and before flowering. |
| Mintweed | - | - | - | 800mL | 620mL | - | - | 800mL-1.15L | Spray active seedlings only. |
| Muskweed | 800mL | - | - | - | - | - | - | - | Spray up to rosette stage. |
| New Zealand Spinach | - | - | - | 800mL | - | - | - | - | |
| Noogoora Burr | - | - | - | 800mL | - | - | 1.7-3.3L | 1.7-3.3L | Spray seedling to pre-flowering. |
| Nut Grass | - | - | - | - | - | - | 3.3-5.2L | - | Spray within 4 weeks of foliage emergence, repeat spray necessary. |
| Paterson's Curse | - | - | - | 800mL | - | 840mL | 1.7-3.3L | 800mL-1.7L (1.15-1.5L WA only) | Spray seedling to rosette stage. |
| Poppy Wild | 410mL | - | - | - | - | - | - | 2.1-2.9L | Spray up to rosette stage. |

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|-----------------------|-------|-------|---|-----------|---|-------|----------|-----------------|---|
| Ragwort | - | - | - | - | - | - | 3.3L | 3.3L | Spray at rosette to cabbage stage. |
| Rapeseed | 800mL | - | - | 410-800mL | - | - | - | - | Spray up to rosette stage. |
| Rapistrum | - | - | - | - | - | 570mL | - | 840mL (WA only) | |
| Rough Poppy | - | 410mL | - | 410-800mL | - | - | - | 800mL | Spray young seedlings only. |
| St John's Wort | - | - | - | - | - | - | 3.3-5.2L | 3.3-4.7L | Spray before flowering. Spray before plants are 40cm high. |
| Safflower | - | - | - | 410-800mL | - | - | - | - | |

APPLICATION RATE PER HECTARE continued

| WEEDS CONTROLLED | CROP | | | | | | PASTURES – NON LEGUMES | | |
|---------------------------------|-------------|-----------|------------|-----------------|------------|-----------|-------------------------------|--|--------------------------|
| | Vic | SA | Tas | NSW, ACT | Qld | WA | Vic | NSW, ACT, TAS, SA, QLD, WA only | Critical Comments |
| Sand Mustard/Sand Rocket | - | - | - | - | - | - | 3.3L | - | Spray before flowering. |
| Shepherd's Purse | - | - | - | 800mL | - | - | - | - | |
| Silver Leaf | - | - | - | - | - | - | 3.3L | - | Spray at flowering. |

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|--|-------|-------|-------|---------------|-------|-------|----------------|--------------------------------|--|
| Nightshade | | | | | | | | | Fallowland: controls top growth only. |
| Skeleton Weed | - | 800mL | - | 800mL | - | - | 3.3L | 1.15- 1.7L | Spray rosettes before aerial growth commences. |
| Stingless Nettle (Deadnettle) | - | 800mL | 800mL | - | - | - | - | 2.1- 2.5L | |
| Stinging Nettle | 800mL | - | - | - | - | - | - | - | Spray up to rosette stage. |
| Stinkwort | - | - | - | 800mL | - | - | 1.7- 3.3L | 1.7- 3.3L | Spray younger plants. Use higher rate as plants mature. |
| Storksbill/ Erodium | - | - | - | 800mL | - | - | - | - | |
| Sunflower Seedlings | 800mL | - | - | 410- 800mL | 620mL | - | - | - | Spray multiple leaves. |
| Thistles: - Golden | - | - | - | - | - | - | 3.3L | 3.3L | Spray at rosette stage. |
| - Nodding | - | - | - | - | - | - | 3.3L | 1.15- 1.7L | Spray rosette stage to pre- flowering. |
| - Saffron | 620mL | 800mL | - | 410- 800mL | 800mL | 800mL | 800mL -1.7L | 800mL- 2.5L | Spray up to rosette stage. |
| -Sheep | - | - | - | - | - | 840mL | - | 840mL- 3.3L (WA only) | |
| - Slender, Shore | - | - | 800mL | 800mL | - | - | 1.7- 3.3L | 800mL- 3.3L | Spray at rosette stage. |
| - Soldier | - | - | - | - | - | - | 3.3L | - | Spray at |

| | | | | | | | | | |
|-----------------------|-------|-------|-------|---------------|-------|-------|----------------|----------------|--|
| - Spear | 800mL | - | 800mL | - | - | - | 800mL -2.5L | 1.15- 2.1L | rosette stage. Spray at seedling to rosette stage. Use higher rate as plants mature (pastures). |
| - Stemless | - | - | - | - | - | - | 3.3L | 2.5- 3.3L | Spray rosette stage to flowering. |
| - St Barnaby's | - | - | - | - | - | - | - | 1.15- 1.7L | |
| - Star | - | - | - | 800mL | - | - | - | 1.15- 1.7L | Spray seedling to rosette stage. Use higher rate as plants mature. |
| - Variegated | - | - | 800mL | 410- 800mL | 620mL | - | 800mL -2.5L | 800mL- 3.3L | Spray at rosette stage. Can cause stock poisoning. |
| Thornapple | - | 3.5L | - | 410- 800mL | - | - | 3.3L | 800mL- 1.7L | Spray at seedling stage. |
| Tree Hogweed | 800mL | - | - | - | - | - | - | - | Spray up to rosette stage. |
| Turnip Weed | - | 410mL | - | 410- 800mL | 410mL | 620mL | - | 800mL | Spray seedlings only. |
| Vetches/Tares | 800mL | 620mL | 800mL | - | - | - | - | - | |
| Wards Weed | - | 410mL | - | - | - | - | - | - | Spray at seedling stage. |
| Wild Cabbage | 800mL | - | - | - | - | - | - | - | Spray up to rosette stage. |

APPLICATION RATE PER HECTARE continued

| WEEDS CONTROLLED | CROP | | | | | | PASTURES – NON LEGUMES | | |
|------------------------|-------|-------|-------|-----------|-------|-------|------------------------|---------------------------------|---|
| | Vic | SA | Tas | NSW, ACT | Qld | WA | Vic | NSW, ACT, TAS, SA, QLD, WA only | Critical Comments |
| Wild Garlic | - | - | - | - | - | - | 6.6L | - | Suppresses aerial growth only. |
| Wild Mignonette | - | - | - | - | - | 840mL | 3.3L | - | Spray at rosette stage. |
| Wild Mustard | - | - | - | - | - | 570mL | - | 1.6-2.5L (WA only) | |
| Wild Radish | 800mL | 800mL | 800mL | 410-800mL | 800mL | 570mL | - | 800mL (840mL WA only) | Spray up to rosette stage. |
| Wild Sage | - | - | - | - | - | - | - | 2.5-3.3L | |
| Wild Teasel | - | - | - | - | - | - | 1.7-3.3L | - | Spray at rosette stage. Use higher rate as plants mature. |
| Wild Turnip | 210mL | 230mL | 800mL | 410-800mL | - | 400mL | - | 800mL (840mL WA only) | Spray up to rosette stage. |

Plant back days for Smart Ester 680 Herbicide

| Crops | Rates | | |
|----------------------------|----------------|---------------|---------------|
| | Up to 510mL/ha | 510mL – 1L/ha | 1.0 – 1.6L/ha |
| Balansa Clover | 7 | 7 | 10 |
| Barley % | 1 | 1 | 3 |
| Chickpeas # | 7 | 14 | 21 |
| Cotton | 10 | 14 | 21 |
| Faba Beans | 7 | 7 | 10 |
| Field Peas | 7 | 14 | 14 |
| Lentils | 7 | 7 | 10 |
| Linseed | 7 | 7 | 14 |
| Lucerne | 7 | 7 | 10 |
| Lupins + | 7 | 14 | 21 |
| Medics | 7 | 7 | 10 |
| Narbon Beans | 7 | 7 | 10 |
| Navybean | 10 | 10 | 14 |
| Oats | 3 | 3 | 7 |
| Perennial Ryegrass | 7 | 7 | 10 |
| Persian Clover | 7 | 7 | 10 |
| Phalaris | 14 | 21 | 28 |
| Canola / Rapeseed # | 7 | 7 | 14 |
| Rice | 7 | 14 | 21 |
| Safflower # | 3 | 7 | 10 |
| Sorghum @ | 14 | 14 | 21 |
| Soybean | 7 | 7 | 10 |

| | | | |
|--------------------------|---|----|----|
| Sub-Clover | 7 | 10 | 14 |
| Sunflower @ | 1 | 3 | 7 |
| Triticale % | 7 | 7 | 10 |
| Vetch Wheat % | 1 | 3 | 7 |
| White Clover | 7 | 7 | 10 |

IMPORTANT:

WHEN APPLIED TO DRY SOILS AT LEAST 15mm (1/2 inch) OF RAIN MUST FALL PRIOR TO THE COMMENCEMENT OF THE PLANT BACK PERIOD.

NOTES:

- % In Queensland, no rainfall is required to fall prior to commencement of Plant Back Period for wheat, barley and triticale.
- # In Queensland, planting of canola / rapeseed, chickpeas and safflower must be delayed for at least 14 days following rainfall of at least 15mm.
- @ In Central Queensland, when using 730mL/ha or less of **Smart Ester 680 Herbicide**, the Plant Back Period for sorghum and sunflower is 1 day irrespective of rainfall.
- + In WA the Plant Back Period for lupins at all rates is 28 days.

RESISTANT WEEDS WARNING

| | | |
|--------------|----------|------------------|
| GROUP | I | HERBICIDE |
|--------------|----------|------------------|

Smart Ester 680 Herbicide is a member of the Phenoxys group of herbicides. Smart Ester 680 Herbicide has the Disruptors of plant cell growth mode of action. For weed resistance management Smart Ester 680 Herbicide is a Group I herbicide. Some naturally-occurring weed biotypes resistant to Smart Ester 680 Herbicide and other Group I 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 Smart Ester 680 Herbicide or other Group I herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Crop Smart Pty.Ltd accepts no liability for any losses that may result from the failure of Smart Ester 680 Herbicide to control resistant weeds.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT spray in high winds. DO NOT spray crops or weeds outside the stages indicated in “Critical Comments” as damage, loss of yield or inadequate weed control may result.

Drift Warning:

- DO NOT use unless wind speed is more than 3 kilometres per hour and less than 15 kilometres per hour as measured at the application site.
- DO NOT apply with smaller than coarse to very coarse spray droplets according to the ASAE S572 definition for standard nozzles.
- Direct spray contact or even slight drift may cause severe injury or destruction of any growing crop or other desirable plants including trees and native vegetation.
- DO NOT use when breeze is blowing towards nearby desirable plants.
- DO NOT apply under meteorological conditions or from spraying equipment that may cause spray to drift onto nearby susceptible plants, adjacent crops, crop lands or pastures.
- Equipment settings which produce fine droplets (150 microns or less), “still air” and hot dry days all contribute to drift.
- This is a phenoxy herbicide that can cause severe damage to susceptible crops such as cotton, tobacco, tomatoes, flowers, vegetables, vines, fruit trees, legume

crops and pastures, oil seed crops or other susceptible crops and trees
(eg Kurrajongs, Belahs, Eucalypts).

Legume Tolerance: If clovers are present, care should be taken to ensure that they have reached the 3-4 leaf stage before spraying. Rates above 410mL of this product per hectare will destroy most clovers, whilst lucerne and medics are susceptible at any strength.

PROTECTION OF LIVESTOCK

Low hazard to bees. May be applied at any time as recommended in the Directions for Use.

PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND ENVIRONMENT

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

STORAGE AND DISPOSAL

(20L, 200L only)

Store in the closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight.

This container can be recycled if it is clean, dry, free of visible residues and has the *drumMUSTER* logo visible. Triple or preferably pressure rinse containers before disposal. Dispose of rinsate by adding it to the spray tank. DO NOT dispose of undiluted chemical on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any *drumMUSTER* collection point or similar container management program site. The cap should not be replaced but may be taken separately.

If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 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.

Refillable containers (1000L only): Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

Envirodrum 110L Mini Bulk Returnable Container

Store the original sealed Envirodrum in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT tamper with the Micro Matic valve or the security seal. DO NOT contaminate the Envirodrum with water or any other foreign matter. After each use of the product please ensure that the Micro Matic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the Envirodrum have been used, please return the empty Envirodrum to the point of purchase. The Envirodrum remains the property of Crop Smart Pty.Ltd.

SAFETY DIRECTIONS

Poisonous if swallowed. Avoid contact with eyes and skin. DO NOT inhale spray mist. When preparing spray wear PVC or rubber apron, elbow-length PVC gloves and face shield. When using the prepared spray, wear face shield. If product on skin, immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms, and face thoroughly with soap and water. After each day's use wash gloves, face shield and contaminated clothing.

FIRST AID

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

MATERIAL SAFETY DATA SHEET

For further information refer to the Material Safety Data Sheet (MSDS).

CONDITION OF SALE

Crop Smart Australia Limited ("Crop Smart") shall not be liable for any loss, injury, damage or death whether consequential or otherwise whatsoever, or howsoever arising 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 conditions that the purchaser does not rely on Crop Smart'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 Crop Smart has any authority to alter these conditions.

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