



Metsulfuron

ACTIVE CONSTITUENT: 600g/kg METSULFURON METHYL

GROUP B HERBICIDE

A dry flowable herbicide
for the control of certain broadleaf weeds
in Winter Cereal Crops, and certain brush and
plant species in Native Pasture, Commercial,
Industrial areas and Rights of Way.

THIS BOOKLET IS PART OF THE LABEL

GENEREX AUSTRALIA PTY LTD
Level 12, Gateway
1 Macquarie Place
Sydney NSW 2000
ACN 063 490 120
Telephone 02 9955 7799

APVMA Approval No: 47618/1297

Index

General Instructions	2 - 3
Broadacre Application - Introduction	3 - 5
Directions for Use - Broadacre Application for New South Wales	6 - 7
Directions for Use - Broadacre Application for Victoria	8 - 9
Directions for Use - Broadacre Application for South Australia	10 - 11
Directions for Use - Broadacre Application for Western Australia	12 - 13
Directions for Use - Broadacre Application for Tasmania	14 - 15
Directions for Use - Broadacre Application for Queensland	16 - 17
Brush Application - Introduction	18 - 19
Directions for Use - Brush Application for New South Wales	20 - 22
Directions for Use - Brush Application for Victoria	23
Directions for Use - Brush Application for Queensland	24 - 25
Directions for Use - Brush Application for South Australia	26
Directions for Use - Brush Application for Tasmania	27
Directions for Use - Brush Application for Western Australia	28
Directions for Use - Brush Application (via Helicopter) for New South Wales, Victoria, Tasmania and Northern Territory	29 - 30
Directions for Use - Generex Metsulfuron/ Generex Glyphosate 360L Tank Mixes	31 - 33

Generex Metsulfuron

Protection of Crops, Native and Other Non-target Plants

DO NOT use under meteorological conditions or from spraying equipment which could be expected to cause spray to drift onto nearby susceptible plants, adjacent crops, crop lands or pastures. As desirable plants could be affected by root uptake ensure that any emptying, draining or flushing operations are not carried out in the vicinity of such plants. DO NOT drain or flush equipment on or near native or non-target trees or other plants or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots.

Protection of Wildlife, Fish, Crustacea and Environment

DO NOT contaminate streams, rivers or waterways with the product or used containers. DO NOT apply to weeds growing in or over water. Do not spray across open bodies of water.

Protection of Livestock

Generex Metsulfuron has a nil withholding period. however, in order that the product can perform satisfactorily in controlling weeds it is recommended to keep stock clear of treated areas for 2-3 days. Certain plants such as Bracken are naturally toxic to stock. When toxic plants are present, it is recommended that grazing be delayed until complete browning of treated plants has occurred.

Storage and Disposal

Keep out of reach of children. Ensure lid is put back on container when not being used, primarily to avoid spills.

Store in the closed original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT RE-USE CONTAINER. Triple or (preferably) pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on-site. Break, crush, puncture and bury empty containers in a local authority landfill. If not available bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of water ways, desirable vegetation and roots. Empty containers and product should not be burnt.

Safety Directions

May irritate eyes and skin. Avoid contact with eyes and skin. Do not inhale dust or spray mist. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. If tank mixing with Generex Glyphosate 360L, refer to the Safety Directions on that label.

First Aid

If poisoning occurs, contact a Doctor or Poisons Information Centre - TELEPHONE 13 11 26.

For further information refer to Material Safety Data Sheet.

Terms of Sale

Generex Australia Pty Ltd. ("Generex") will not be held liable for any loss, injury or damage, indirect or consequential, arising from the sale, supply, use or application of this product. The product is not to be used for any purpose nor in any way contrary to label instructions.

Broadacre Application

GENERAL INSTRUCTIONS

Winter Cereal Crops

It is recommended that product be applied when crop is between the time it has reached 3 leaf stage, but prior to booting stage. The weeds should be no greater than 5cm in height or diameter and be in an active growth phase.

Best results will occur if rainfall wets the soil to a depth of approximately 6cm within a month after application. In other situations weeds may be only stunted or suppressed.

While Generex Metsulfuron does not provide a commercially acceptable level of weed control through residual soil activity, the product will remain in the soil for a period of time and crops other than Cereal Rye, Barley, Triticale and Wheat may be very sensitive to low dosages.

Environmental conditions determine the length of Generex Metsulfuron persistence in the soil. Soils that are wet, warm, acid, high in organic matter will encourage quick break down.

Safety to Crops

When Generex Metsulfuron is applied in the following crop situations it could cause injury.

1. If the Wheat varieties Harrier, Jacob, King or Milling are planted do not use the product.
2. If Winter cereal crops are undersown to legumes such as medics or clovers do not use the product.
3. If crops are stressed by causes such as drought, waterlogging, excessive soil acidity or alkalinity, disease, insect or nematode damage or poor nutrient status, do not use the product.
4. Care should be taken if product is used in the same season that another sulfonylurea herbicide has been applied to the crop area, or on soils of a pH less than 5.5. Consult your local Dept. of Agriculture if these circumstances arise.

Resistant Weeds Warning

Generex Metsulfuron Herbicide is a member of the Sulfonylureas group of herbicides. Generex Metsulfuron has the inhibitor of acetolactate synthase (ALS) mode of action. For weed resistant management Generex Metsulfuron is a Group B herbicide.

Some naturally-occurring weed biotypes resistant to Generex Metsulfuron and other acetolactate synthase inhibitor 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 Generex Metsulfuron or other acetolactate synthase inhibitor herbicides.

Since the occurrence of resistance weeds is difficult to detect prior to use, Generex Aust. Pty Limited accepts no liability for any losses that may result from the failure of Generex Metsulfuron to control resistant weeds.

How to handle problems of potential weed resistance

Use Generex Metsulfuron in tank mixes and/or on a rotation basis with those herbicides that have a dissimilar mode of action to the sulfonylurea group. Check paddocks after spraying to determine if large numbers of healthy weeds have survived.

If the above has occurred take steps to prevent seed set. Do not apply an ALS inhibitor type herbicide to a crop more than once irrespective of the use method. If it is suspected that an ALS inhibitor weed is present, refrain from using an ALS inhibitor type herbicide.

Consult local Department of Agriculture staff for further details of minimal risk strategies, if in doubt.

Rainfall Effects

Do not spray if rainfall is imminent within 3 - 4 hours of spraying.

Soil Persistence and Crop Rotations

Generex Metsulfuron treated areas may be replanted to the following crops after the indicated interval providing soil pH is in the range 5.6 to 8.5.

10 days:	Wheat
6 weeks:	Barley, Cereal Rye, Triticale
9 months:	Chickpeas, Faba Beans, Linseed, Lucerne, Lupins, Medics and Sub-Clover (natural regeneration), Oats, Peas, Rapeseed, Safflower.
14 months:	Japanese Millet, Maize, Panoramia Millet, White French Millet, Sorghum, Soybeans, Sunflower.

NB: Tolerance of crops other than those listed above should be determined by a small scale planting before sowing commercial areas. Similarly, on soils of pH 8.6 and above, a small scale area of all crops should be tested before planting commercial areas.

Spray Tank Preparation

Having established the rate of product per hectare required by referring to the Directions for Use section:-

1. Establish what area the spray tank will cover based on approximately 50 litres of water per hectare.
2. When this is done measure out the correct amount of product to go in the spray tank by pouring the "sand like" formulation into the measuring cup which is calibrated in grams. Tap the side of the cup, so that product settles with a level surface.
3. Partially fill the spray tank and engage agitator.
4. Add the measured amount of product to the tank.
5. Add the rest of the water to bring up to correct volume. Keep the agitator running.

NB: Only use the calibrated measuring cup provided to measure this product.

- ★ Always use a wetting agent/surfactant.
- ★ Use the wetting agent at its labelled rates.
- ★ Do not use a wetting agent if product is being mixed with products that already incorporate a wetting agent in their formulation.
- ★ Do not use spraying oil
- ★ If mixing with other herbicides or insecticides, refer to "Compatibility" section of this label. In such instances ensure the Generex Metsulfuron is in suspension prior to the other product or wetting agent being added.
- ★ If using in conjunction with liquid fertilisers, slurry the product in water before mixing the slurry into the liquid fertiliser. Do not add surfactants and check with the Department of Agriculture on compatibility.
- ★ Thoroughly re-agitate if for some reason the spray mix has been allowed to stand.
- ★ Do not leave Generex Metsulfuron standing in a suspension with other products for more than 1 day or alone for 2 days, otherwise breakdown of product may occur.

Sprayer Cleaning Procedures (after use)

Traces of chemical left in the spray tank after spraying has been completed could contaminate subsequent spray mixtures and cause injury to crops other than wheat, barley, cereal rye and triticale.

To avoid this happening, carry out the following procedure as soon as spraying is completed:

- a. Drain tank
- b. Flush tank, Boom and hoses for at least 10 minutes with clean water.
- c. Fill tank with clean water.
- d. Add 300 mls of chlorine bleach (4% chlorine) per 100 litres of water.
- e. Flush through Boom and hoses and allow to sit for 15 minutes with agitator running.
- f. Drain tank.
- g. Repeat steps c, d, e and f.
- h. Remove nozzles and screens and clean separately.
- i. To remove traces of the chlorine bleach, rinse tank thoroughly with clean water and flush through hoses and boom.

WARNING: Chlorine bleach should not be used in the presence of Ammonia, as the mixture will release a gas with a chlorine odour which can irritate eyes, nose, throat and lungs. If traces of liquid fertiliser containing ammonia, ammonia nitrate, or ammonia sulphate are present, rinse it from the mixing and application equipment with water prior to using the chlorine bleach. Work in an open area.

Application Equipment

Boom sprays and aerial equipment can be used to apply the product.

Boom Spraying:- Apply the chemical in a minimum of 50 litres of water per sprayed hectare. Keep speed and coverage constant and set nozzle so that spray pattern doesn't overlap.

If spraying is allowed to continue while stationary, slowing, etc. overdosing can occur, which in turn can lead to crop damage. Cut off the spray in these circumstances.

Aerial Spraying:- The product should be applied in a minimum of 20 - 30 litres of water per sprayed hectare. When using this form of application give consideration to the fact that the product is capable of damaging sensitive crops through either foliage or root uptake. (Refer to crop rotation segment). Seek ideal conditions in which to spray so as to reduce drift. Likewise, choose equipment with this in mind. (e.g. avoid Micronair equipment as the fine droplets emitted could lead to drift.)

Compatibility

Generex Metsulfuron is compatible with most commonly used insecticides and broad leafed herbicides. Consult local Department of Agriculture on specific situations or refer to labels.

Use of Wetting agents/Surfactants.

Add a non-ionic surfactant/wetting agent at labelled rates when using the product alone. If being used in tank mixes consult companion product labelling or local Department of Agriculture.

DIRECTIONS FOR USE: For New South Wales only

Restraints

DO NOT apply before 3 leaf stage of the crop when targeting post-emergent weeds.

DO NOT apply to crops under stress, or in furrow or flood irrigated situations.

DO NOT apply if rainfall is expected within 2 hours.

DO NOT store tank mixes of Generex Metsulfuron

(i.e. a tank of water to which Generex Metsulfuron and other products have been added).

Crop	Weeds Controlled	Rate/ha	Critical Comments
Barley Cereal Rye, Triticale, Wheat			All Weeds: * In general spray when weeds are no bigger than 5cm in height or diameter and in active growth phase. * When a choice of rate is given use the higher rate if larger weeds or a heavy infestation exists.
	Amisnckia (Amisnckia spp)	5 or 7	
	Broadleaf Dock (Rumex obtusifolius)	5 or 7	
	Charlock (Sinapsis arvensis)	5	
	Chickpeas (Cicer arietinum)	5	
	Chickweed (Stellaria media)	5	
	Clover-sub (Trifolium subterraneum)	5	
	Common Sowthistle (Sonchus oleraceus)	5	Do not spray after 4 leaf stage.
	Deadnettle (Lamium amplexicaule)	5	
	Denseflower Fumitory (Fumaria densiflora)	5	
	Dock - broadleaf (Rumex obtusifolius)	5 or 7	Same weed as Broadleaf Dock
	Doublegee (Emex australis)	5 or 7	
	Field Peas (Pisum sativum)	7	Apply after 3 node stage
	Hogweed (Polygonum aviculare)	5 or 7	Use higher rate if weed populations are dense & most weeds are at 4 leaf stage.
	Lupins (Lupinus albus)	5	
	Medic (Medicago spp)	5	
	Paterson's Curse (Echium plantagineum)	5 or 7	
	Rough Poppy (Papaver hybridum)	5	
	Salvation Jane	5 or 7	Same weed as paterson's curse
	Shepherd's Purse (Capsella bursa-pastoris)	5	
Sorrel (Rumex acetosella)	5	Late season regrowth may occur from underground roots.	

Broadacre Application

DO NOT store a suspension of Generex Metsulfuron (i.e. a tank of water to which Generex Metsulfuron only has been added) for over 2 days as this will lead to a significant breakdown of the product.

Application Technique

Product applied by Ground or Aerial application **AFTER CROP AND WEED** emergence.

Crop	Weeds Controlled	Rate g/ha	Critical Comments
Barley Cereal Rye, Triticale, Wheat	Soursob (<i>Oxalis pes-caprae</i>)	5	Spray when most have emerged and are in active growth
	Sowthistle - common (<i>Sonchus oleraceus</i>)	5	Do not spray after 4 leaf stage
	Spiny Emex	5 or 7	Same weed as Doublegee
	Staggerweed (<i>Stachys arvensis</i>)	5	
	Sunflower-Volunteer (<i>Helianthus annuus</i>)	7	Spray from cotyledon to 8 leaf stage
	Three Cornered Jack	5 or 7	Same weed as Spiny Emex/Doublegee
	Turnip Weed (<i>Rapistrum rugosum</i>)	5	
	Volunteer Chickpeas (<i>Cicer arietinum</i>)	5	
	Wild Turnip (<i>Brassica tournefortii</i>)	5	
	Wireweed	5 or 7	Same weed as Hogweed
	Yellow Burrweed	5 or 7	Same weed as Amsinckia

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

WITHOLDING PERIOD: NIL

DIRECTIONS FOR USE: For Victoria only

Restraints

DO NOT apply before 3 leaf stage of the crop when targeting post-emergent weeds.

DO NOT apply to crops under stress, or in furrow or flood irrigated situations.

DO NOT apply if rainfall is expected within 2 hours.

DO NOT store tank mixes of Generex Metsulfuron

(i.e. a tank of water to which Generex Metsulfuron and other products have been added).

Crop	Weeds Controlled	Rate/ha	Critical Comments
Barley Cereal Rye, Triticale, Wheat			All Weeds: * In general spray when weeds are no bigger than 5cm in height or diameter and in active growth phase. * When a choice of rates is given use the higher rate if larger weeds or a heavy infestation exists.
	Amisnckia (Amisnckia spp)	5 or 7	
	Broadleaf Dock (Rumex obtusifolius)	5 or 7	
	Charlock (Sinapsis arvensis)	5	
	Chickpeas (Cicer arietinum)	5	
	Chickweed (Stellaria media)	5	
	Clover-sub (Trifolium subterraneum)	5	
	Common Sowthistle (Sonchus oleraceus)	5	Do not spray after 4 leaf stage.
	Crow Garlic (Allium vineale)	7	Same weed as Wild Garlic. Refer to Critical Comment for Wild Garlic.
	Deadnettle (Lamium amplexicaule)	5	
	Dock - broadleaf (Rumex obtusifolius)	5 or 7	Same weed as Broadleaf Dock
	Doublegee (Emex australis)	5 or 7	
	Faba Bean (Vicia faba)	5	Do not spray until after 3 node stage
	Field Peas (Pisum sativum)	7	Apply after 3 node stage
	Hare's Ear (Conringia orientalis)	5	Apply before 5 leaf stage
	Hogweed (Polygonum aviculare)	5 or 7	Use higher rate if weed populations are dense & most weeds are at 4 leaf stage.
	Lupins (Lupinus albus)	5	
	Medic (Medicago spp)	5	
	Prickly Lettuce (Lactuca serrilola)	5 or 7	
	Rough Poppy (Papaver hybridum)	5	

Broadacre Application

DO NOT store a suspension of Generex Metsulfuron (i.e. a tank of water to which Generex Metsulfuron only has been added) for over 2 days as this will lead to a significant breakdown of the product.

Application Technique

Product applied by Ground or Aerial application **AFTER CROP AND WEED** emergence.

Crop	Weeds Controlled	Rate g/ha	Critical Comments
Barley Cereal Rye, Triticale, Wheat	Shepherd's Purse (Capsella bursa-pastoris)	5	
	Sorrel (Rumex acetosella)	5	Late season regrowth may occur from underground roots
	Soursob (Oxalis pes-caprae)	5	Spray when most have emerged and are in active growth
	Sowthistle - common (Sonchus oleraceus)	5	Do not spray after 4 leaf stage
	Spiny Emex	5 or 7	Same weed as Doublegee
	Staggerweed (Stachys arvensis)	5	
	Storksbill (Erodium spp)	5	
	Sub Clover (Trifolium subterraneum)	5	
	Three Cornered Jack	5 or 7	Same weed as Spiny Emex/Doublegee
	Treacle Mustard	5	Same weed as Hare's Ear. Refer to Critical Comments for Hare's Ear
	Turnip Weed (Raphistrum rugosum)	5	
	Volunteer Chickpeas (Cicer arietinum)	5	
	Wild Garlic (Allium vineale)	7	Spray at the 1-2 leaf stage

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

WITHHOLDING PERIOD: NIL

DIRECTIONS FOR USE: For South Australia only

Restraints

DO NOT apply before 3 leaf stage of the crop when targeting post-emergent weeds.

DO NOT apply to crops under stress, or in furrow or flood irrigated situations.

DO NOT apply if rainfall is expected within 2 hours.

DO NOT store stank mixes of Generex Metsulfuron

(i.e. a tank of water to which Generex Metsulfuron and other products have been added).

Crop	Weeds Controlled	Rate/ha	Critical Comments
Barley Cereal Rye, Triticale, Wheat			All Weeds: * In general spray when weeds are no bigger than 5cm in height or diameter and in active growth phase. * When a choice of rates is given use the higher rate if larger weeds or a heavy infestation exists.
	Amisnckia (Amisnckia spp)	5 or 7	
	Broadleaf Dock (Rumex obtusifolius)	5 or 7	
	Ball Mustard (neslia paniculata)	5	
	Calomba Daisy (Penzia suffruticosa)	5	
	Charlock (Sinapsis arvensis)	5	
	Chickpeas (Cicer arietinum)	5	
	Chickweed (Stellaria media)	5	
	Clover-sub (Trifolium subterraneum)	5	
	Cutleaf Mignonette (Reseda lutea)	7	Spray large actively growing plants up to the early flowering stage.
	Deadnettle (Lamium amplexicaule)	5	
	Denseflower Fumitory (Fumaria densiflora)	5	
	Dock - broadleaf (Rumex obtusifolius)	5 or 7	Same weed as Broadleaf Dock
	Doublegee (Emex australis)	5 or 7	
	Faba Bean (Vicia faba)	5	Do not spray until after 3 node stage
	Field Peas (Pisum sativum)	7	Apply after 3 node stage
	Hogweed (Polygonum aviculare)	5 or 7	Use higher rate if weed populations are dense & most weeds are at 4 leaf stage.
	Lincoln Weed (Diptotaxis tenuifolia)	7	Spray plants in active growth phase from late Winter to Spring
	Lupins (Lupinus albus)	5	
	Mallee Catchfly (Silene apetala)	5	
Medic (Medicago spp)	5		
Paterson's Curse (Echium plantagineum)	5 or 7		

Broadacre Application

DO NOT store a suspension of Generex Metsulfuron (i.e. a tank of water to which Generex Metsulfuron only has been added) for over 2 days as this will lead to a significant breakdown of the product.

Application Technique

Product applied by Ground or Aerial application **AFTER CROP AND WEED** emergence.

Crop	Weeds Controlled	Rate g/ha	Critical Comments
Barley Cereal Rye, Triticale, Wheat	Prickly Lettuce (Lactuca serriola)	5 or 7	
	Rough Poppy (Papaver hybridum)	5	
	Salvation Jane	5 or 7	Same weed as Paterson's Curse
	Shepherd's Purse (Capsella bursa-pastoris)	5	
	Smallflower Fumitory (Fumaria parviflora)	5	
	Sorrel (Rumex acetosella)	5	Late season regrowth may occur from underground roots
	Soursob (Oxalis pes-caprae)	5	Spray when most have emerged and are in active growth
	Spiny Emex	5 or 7	Same weed as Doublegee
	Staggerweed (Stachys arvensis)	5	
	Storksbill (Erodium spp)	5	
	Sub Clover (Trifolium subterraneum)	5	
	Three Cornered Jack	5 or 7	Same weed as Spiny Emex/Doublegee
	Turnip Weed (Rapistrum rugosum)	5	
	Volunteer Chickpeas (Cicer arietinum)	5	
	Wild Geranium	5	Same weed as Storksbill
	Wild Turnip (Brassica tournefortii)	5	
	Wireweed	5 or 7	Same weed as Hogweed
	Yellow Burrweed	5 or 7	Same weed as Amsinckia

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

WITHHOLDING PERIOD: NIL

DIRECTIONS FOR USE: For Western Australia only

Restrains

DO NOT apply before 3 leaf stage of the crop when targeting post-emergent weeds.

DO NOT apply to crops under stress, or in furrow or flood irrigated situations.

DO NOT apply if rainfall is expected within 2 hours.

DO NOT store stank mixes of Generex Metsulfuron

(i.e. a tank of water to which Generex Metsulfuron and other products have been added).

Crop	Weeds Controlled	Rate/ha	Critical Comments
Barley Cereal Rye, Triticale, Wheat			All Weeds: * In general spray when weeds are no bigger than 5cm in height or diameter and in active growth phase. * When a choice of rates is given use the higher rate if larger weeds or a heavy infestation exists.
	Amisnckia (Amisnckia spp)	5	
	Broadleaf Dock (Rumex obtusifolius)	5	
	Cape Tulip (Homeria spp)	5	
	Clover-sub (Trifolium subterraneum)	5	
	Deadnettle (Lamium amplexicaule)	5	
	Dock - broadleaf (Rumex obtusifolius)	5	Same weed as Broadleaf Dock
	Doublegee (Emex australis)	5	
	Field Peas (Pisum sativum)	5	Apply after 3 node stage
	Hogweed (Polygonum aviculare)	5	Do not spray after 4 leaf stage
	Lupins (Lupinus albus)	5	
	Medic (Medicago spp)	5	
	Paterson's Curse (Echium plantagineum)	5	
	Prickly Lettuce (Lactuca serriola)	5	
	Salvation Jane	5	Same weed as Paterson's Curse
	Sorrel (Rumex acetosella)	5	Late season regrowth may occur from underground roots
	Soursob (Oxalis pes-caprae)	5	Spray when most have emergewd and are in active growth
	Spiny Emex	5	Same weed as Doublegee
	Staggerweed (Stachys arvensis)	5	
	Storksbill (Erodium spp)	5	Sub Clover (Trifolium subterraneum)
Three Cornered Jakck	5	Same weed as Spiny Emex	

Broadacre Application

DO NOT store a suspension of Generex Metsulfuron (i.e. a tank of water to which Generex Metsulfuron only has been added) for over 2 days as this will lead to a significant breakdown of the product.

Application Technique

Product applied by Ground or Aerial application **AFTER CROP AND WEED** emergence.

Crop	Weeds Controlled	Rate g/ha	Critical Comments
Barley Cereal Rye,	Turnip Weed (Rapistrum rugosum)	5	
Triticale,	Wild Geranium	5	Same weed as Storksbill
Wheat	Wild Turnip (Brassica tournefortii)	5	
	Wireweed	5	Same weed as Hogweed
	Yellow Burrweed	5	Same weed as Amsinckia

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

WITHHOLDING PERIOD: NIL

DIRECTIONS FOR USE: For Tasmania only

Restraints

DO NOT apply before 3 leaf stage of the crop when targeting post-emergent weeds.

DO NOT apply to crops under stress, or in furrow or flood irrigated situations.

DO NOT apply if rainfall is expected within 2 hours.

DO NOT store stank mixes of Generex Metsulfuron

(i.e. a tank of water to which Generex Metsulfuron and other products have been added).

Crop	Weeds Controlled	Rate/ha	Critical Comments
Barley Cereal Rye, Triticale, Wheat			All Weeds: * In general spray when weeds are no bigger than 5cm in height or diameter and in active growth phase. * When a choice of rates is given use the higher rate if larger weeds or a heavy infestation exists.
	Amisnckia (Amisnckia spp)	5 or 7	
	Broadleaf Dock (Rumex obtusifolius)	5 or 7	
	Charlock (Sinapsis arvensis)	5	
	Chickweed (Stellaria media)	5	
	Clover-sub (Trifolium subterraneum)	5	
	Common Sowthistle (Sonchus oleraceus)	5	Do not spray after 4 leaf stage
	Crow Garlic (Allium vineale)	7	Same weed as Wild Garlic
	Deadnettle (Lamium amplexicaule)	5	
	Dock - broadleaf (Rumex obtusifolius)	5 or 7	Same weed as Broadleaf Dock
	Doublegee (Emex australis)	5 or 7	
	Field Peas (Pisum sativum)	5	Apply after 3 node stage
	Hogweed (Polygonum aviculare)	5 or 7	Use higher rate if weed populations are dense & most weeds at 4 leaf stage
	Medic (Medicago spp)	5	
	Paterson's Curse (Echium plantagineum)	5	
	Prickly Lettuce (Lactuca serriola)	5 or 7	
	Rough Poppy (Papaver hybridum)	5	
	Salvation Jane	5	Same weed as Paterson's Curse
	Shepherd's Purse (Capsella bursa-pastoris)	5	
	Sorrel (Rumex acetosella)	5	Late season regrowth may occur from underground roots
Soursob (Oxalis pes-caprae)	5	Spray when most have emergewd and are in active growth	

Broadacre Application

DO NOT store a suspension of Generex Metsulfuron (i.e. a tank of water to which Generex Metsulfuron only has been added) for over 2 days as this will lead to a significant breakdown of the product.

Application Technique

Product applied by Ground or Aerial application **AFTER CROP AND WEED** emergence.

Crop	Weeds Controlled	Rate g/ha	Critical Comments
Barley Cereal Rye,	Sowthistle - common (<i>Sonchus oleraceus</i>)	5	Do not spray after 4 leaf stage
Triticale, Wheat	Spiny Emex	5 or 7	Same weed as Doublegee
	Staggerweed (<i>Stachyus arvensis</i>)	5	
	Storksbill (<i>Erodium</i> spp)	5	
	Sub Clover (<i>Trifolium subterraneum</i>)	5	
	Three Cornered Jack	5 or 7	Same weed as Spiny Emex/Doublegee
	Turnip Weed (<i>Rapistrum rugosum</i>)	5	
	Wild Garlic (<i>Allium vineale</i>)	7	Spray at the 1-2 leaf stage
	Wild Geranium	5	Same weed as Storksbill
	Wild Turnip (<i>Brassica tournefortii</i>)	5	
	Wireweed	5 or 7	Same weed as Hogweed
	Yellow Burrweed	5 or 7	Same weed as Amsinckia

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

WITHHOLDING PERIOD: NIL

DIRECTIONS FOR USE: For Queensland only

Restraints

DO NOT apply before 3 leaf stage of the crop when targeting post-emergent weeds.

DO NOT apply to crops under stress, or in furrow or flood irrigated situations.

DO NOT apply if rainfall is expected within 2 hours.

DO NOT store stank mixes of Generex Metsulfuron

(i.e. a tank of water to which Generex Metsulfuron and other products have been added).

Crop	Weeds Controlled	Rate/ha	Critical Comments
Barley Cereal Rye, Triticale, Wheat			All Weeds: * In general spray when weeds are no bigger than 5cm in height or diameter and in active growth phase. * When a choice of rates is given use the higher rate if larger weeds or a heavy infestation exists.
	African Turnip (<i>Sisymbrium thellungii</i>)	5	Spray prior to 6 leaf stage
	Amaranth - dwarf (<i>Amaranthus macrocapus</i>)	7	Spray from cotyledon stage until the weed is 10cm in diameter or height
	Broadleaf Dock (<i>Rumex obtusifolius</i>)	5 or 7	
	Chickpeas (<i>Cicer arietinum</i>)	5	Same weed as Volunteer Chickpeas
	Chicory (<i>Cichorium intybus</i>)	5	
	Clover-sub (<i>Trifolium subterraneum</i>)	5	
	Common Sowthistle (<i>Sonchus oleraceus</i>)	5	Do not spray after 4 leaf stage
	Deadnettle (<i>Lamium amplexicaule</i>)	5	
	Dock - broadleaf (<i>Rumex obtusifolius</i>)	5 or 7	Same weed as Broadleaf Dock
	Doublegee (<i>Emex australis</i>)	5 or 7	Use higher rate for large weeds or dense weed stands
	Dwarf Amaranth (<i>amaranthus macrocarpus</i>)	7	Spray from cotyledon stage until the weed is 10cm in diameter or height
	Hogweed (<i>Polygonum aviculare</i>)	7	Use if weed population is at cotyledon to 3 leaf stage
	Medic (<i>Medicago</i> spp)	5	
	New Zealand Spinach (<i>Tatragonia tetragonoides</i>)	7	Spray prior to 4 leaf stage
	Parthenium Weed (<i>Parthenium hysterophorus</i>)	5 or 7	Spray higher rate after 3 leaf stage to rosette stage
	Prickly Lettuce (<i>Lactuca serriola</i>)	5 or 7	
	Red Pigweed (<i>Amaranthus thunbergii</i>)	5 or 7	Spray before the 6 leaf stage at 5g rate. Use 7g when weed stand is dense and most weeds are at 6 leaf stage.
	Saltbush (<i>Atriplex muelleri</i>)	5 or 7	Spray before the 45 leaf stage at 5g rate. Spray at the 4-6 leaf stage at 7g rate
	Slender Celery (<i>Apium leptophyllum</i>)	5	
Sowthistle - common (<i>Sonchus oleraceus</i>)	5	Do not spray after 4 leaf stage.	
Spiny Emex	5 or 7	Same weed as Doublegee	

Broadacre Application

DO NOT store a suspension of Generex Metsulfuron (i.e. a tank of water to which Generex Metsulfuron only has been added) for over 2 days as this will lead to a significant breakdown of the product.

Application Technique

Product applied by Ground or Aerial application **AFTER CROP AND WEED** emergence.

Crop	Weeds Controlled	Rate g/ha	Critical Comments
Barley Cereal Rye,	Staggerweed (Stachyus arvensis)	5	
Triticale, Wheat	Sub Clover (Trifolium subterraneum)	5	
	Sunflower - Volunteer (Helianthus annuus)	5 to 7	Spray at cotyledon to 4 leaf stage at 5 g rate. Spray at 4 - 8 leaf stage at 7g rate
	Three Cornered Jack	5 or 7	Same weed as Spiny Emex/Doublegee
	Turnip Weed (Rapistrum rugosum)	5	
	Volunteer Chickpeas (Cicer arietinum)	5	
	Volunteer Sunflower	5 to 7	See Sunflower (Volunteer)
	Wild Turnip (Brassica tournefortii)	5	
	Wireweed	7	Same weed as Hogweed

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

WITHHOLDING PERIOD: NIL

Brush Application

GENERAL INSTRUCTIONS

Pasture, Commercial Industrial areas, Rights of Way

Spray when bushes or plants are in an active growth phase. Always add a surfactant/wetting agent.

Unless good coverage is achieved and weather conditions are favourable (eg. Adequate moisture is available) there may be only partial control, regrowth may occur and results; may be slow to appear.

Adequate results may not be achieved if plants are stressed by grazing or if weeds are covered in dirt or dust. If regrowth occurs retreat at the recommended rate. For blackberries retreatment should only be carried out when regrowth has reached one metre in height. Where bushes have previously been sprayed with other brush control herbicides or burned or slashed, allow 2 years before treating.

Legumes are sensitive to Generex Metsulfuron and will be severely set back or removed, should they come into contact with the spray.

It is recommended that Generex Metsulfuron is not applied to Blackberry bushes bearing ripe fruit because of the widespread picking of Blackberries by the public.

Metsulfuron Tank Mixes with generex Glyphosate 360L

In situations such as follow-up spraying or for harder to kill species, a tank mix with Generex Glyphosate 360L will give better brush weed control.

NOTE: A tank mix with Generex Glyphosate 360L will result in control/damage to grasses. Therefore in situations where it is important that grasses are not damaged, (e.g. high-value improved pastures) the application of Metsulfuron alone is recommended.

Soil Persistence and Crop Rotation Recommendations

Environmental factors such as acid soils, high organic matter, warm conditions and wet soils, all lead to the rapid breakdown of the product in the soil. Soil microbes will also result in product breakdown.

Some crops are sensitive to Generex Metsulfuron and tolerance before sowing them into treated areas should be determined by small scale plantings before commercial plantings are undertaken.

Regrowth of legumes is a good indicator that the product has broken down to a level that is safe for re-cropping. Sensitive crop species include:-

Barley, Cereal Rye, Chickpeas, Faba Bean, Japanese Millet, Linseed, Lucerne, Lupins, Maize, Medics, Oats, Panorama Millet, Peas, Rapeseed, Safflower, Sorghum, Soybeans, Subterranean Clover, Sunflower, Triticale, Wheat, White Clover, White French Millet.

Follow-up Management

It is recommended that the treated weeds are not disturbed by grazing, cultivation etc. for 7 days after application to ensure herbicide uptake.

APPLICATION EQUIPMENT

Handgun Application

Spray foliage and canes until wet and ensure that foliage is covered by the spray.

The choice of spray nozzles depends on the type of target species to be sprayed. Use large nozzles/higher pressures for larger bushes.

As an example, size No 4 or 5 nozzles could be used on small bushes less than 1 metre high and broadleaf weeds and up to No. 7 or 8 on larger bushes 2 - 3 metres high.

Pressures should be in the range of 550 - 750 kPa (80 - 100 psi), the higher pressures being used on the larger bushes. When using 3g of Generex Metsulfuron + 400mLs of Generex Glyphosate 360L, pressures of greater than 800 kPa should be used to assist penetration.

NOTE: Blackberries

Always use the large nozzles/high pressures on blackberry regrowth. Use a wide cone nozzle setting and spray bushes from base to apex in a side by side pattern.

Ensure runners are sprayed.

Boom Application

Fan nozzle equipment using pressures of 240 to 280 kpa is recommended. Adjust boom height to ensure double overlap. Apply in a minimum of 150L/ha water increasing to 200L/ha for dense infestations.

Where boom spraying is to be used on plants such as Bracken, Paterson's Curse and Ragwort use 150 litres of the spray mix per hectare. If the stand is dense increase to 200 L/ha.

Seek out ideal meteorological conditions to spray so as to avoid drift to non target areas.

Ensure spraying is done at a constant speed and calibration is carried out so as to deliver the correct amount of spray mix per hectare. Take care to check boom height above the target species so that the correct spray overlap is achieved.

Aerial Application (by helicopter only):- Apply a minimum of 60L/ha on *Mimosa pigra* or a minimum of 100L per ha on Blackberries (*Rubus* spp) and up to a maximum of 200L prepared spray/ha. Use a VMD of 300 microns. High temperatures and/or low humidity may cause excessive evaporation of droplets and may reduce results. Do not apply when temperatures exceed 30°C. Higher water volumes may be necessary to ensure adequate coverage where bushes are large. Spray with a properly calibrated helicopter using the half overlap opposite pass technique. Avoid spraying in still conditions and where conditions favour temperature inversions. Avoid spraying where drift can move onto crops, areas likely to be planted to crops and non-target pastures as injury may occur. Turn off spray booms whilst passing over creeks and dams.

Use of Wetting Agents/Surfactants

Always add a non-ionic wetting agent/surfactant at the rate of 100 ml of 100% active product per 100L of spray mix. When using in a tank mixture with Generex Glyphosate 360L, see specific label recommendations which may include the use of an organosilicone penetrant (100%) at 200mL/100L (eg Pulse™ or Freeway™)

Spray Tank Preparation

Having established the amount of product per litre (handgun), or rate per hectare (Boom) required by referring to the Directions for Use table:-

1. Establish the litre capacity of the spray tank if a Handgun is to be used. Establish the sprayed area the tank will cover if a Boom is be used.
2. When this is done measure out the correct amount of product to go in the spray tank by pouring the "sand like" formulation into the measuring cylinder which is calibrated in grams. Tap the side of the cylinder, so that product settles with a level surface.
3. Partially fill the spray tank and engage agitator.
4. Add the measured amount of product to the tank.
5. Add the rest of the water to bring up to correct volume. Keep the agitator running at all times.

NB: Only use the calibrated cup provided to measure this product.

- ★ Use the wetting agent at its labelled rates.
- ★ Thoroughly reagentate if for some reason the spray mix has been allowed to stand.
- ★ Don't leave Generex Metsulfuron stand in a suspension with other products for more than 1 day or alone for 2 days, otherwise breakdown of product may occur.
- ★ When tank mixing with Generex Glyphosate 360L always use with clean water. Results may not be as effective if used with water containing soil or hard water. If using with Generex Glyphosate 360L, add Glyphosate after Step 4 when all Metsulfuron has been diluted and is in solution. Do NOT tank mix with Generex Glyphosate 360L in galvanised steel or unlined steel containers. These tanks can react with the product to create Hydrogen gas which can form a combustible gas mixture which may explode when ignited.

Sprayer Cleaning Procedures (after use)

Traces of chemical left in the spray tank after spraying has been completed could contaminate subsequent spray mixtures and cause injury to crops other than wheat, barley, cereal rye and triticale.

To avoid this happening, carry out the following procedure as soon as spraying is completed.

- a. Drain tank
- b. Flush tank, Boom and hoses for at least 10 minutes with clean water.
- c. Fill tank with clean water.
- d. Add 300mls of chlorine bleach (4% chlorine) per 100 litres of water.
- e. Flush through Boom and hoses and allow to sit for 15 minutes with agitator running.
- f. Drain tank
- g. Repeat c, d, e, f.
- h. Remove nozzles and screens and clean separately.
- i. To remove traces of the chlorine bleach, rinse tank thoroughly with clean water and flush through hoses and boom.

WARNING: *Chlorine bleach should not be used in the presence of Ammonia, as the mixture will release a gas with a chlorine odour, which can irritate eyes, nose, throat and lungs. If traces of liquid fertiliser containing ammonia, ammonium nitrate, or ammonium sulphate are present, rinse it from the mixing and application equipment with water prior to using the chlorine bleach. Work in an open area.*

DIRECTIONS FOR USE: For New South Wales only Brush Application - Generex Metsulfuron alone cont.

Situation	Weeds Controlled	Rate Handgun g/100L of water	Boom g/ha	Critical Comments
Native Pasture*, Commercial & Industrial Areas & Rights of Way	Golden Dodder (<i>Cuscuta australis</i>)	1		Spray to point of runoff as a spot spray. Apply pre-flowering stage and ensure good coverage of infested area.
	Gorse (<i>Ulex europaeus</i>)	10 + organosilicone penetrant (100%) 200mL/100L		Ensure foliage is thoroughly wet and as much penetration of the bush as possible. Apply only to bushes up to a height less than 2 metres where thorough coverage is possible.
	Great Mullein (<i>Verbascum thapsus</i>)	20 + Organosilicone penetrant (100%) 200mL/100L		Apply when soil moisture is good during Spring when plants are at the rosette stage prior to stem elongation. (If growing conditions are not good, regrowth may occur).
	Hawthorn (<i>Crataegus laevigata</i>)	10		Spray to point of run off. Do not spray if bushes are stressed. Apply only to actively growing plants.
	Inkweed (<i>Phytolacca octandra</i>)	5		Spray to point of run off.
	Japanese Sunflower (<i>ithonia diversifolia</i>)	10		Spray to point of run off.
	Kangaroo Thorn (<i>Acacia paradoxa</i>)	10		Spray actively growing plants up to 2.5 metre high
	Lantana (<i>lantana camara</i>)	10		See Critical Comments for Gorse.
	Messmate Stringybark (<i>E. obliqua</i>)	10 + Organosilicone penetrant (100%) 200mL/100L		Spray plants up to 4 metres high. Ensure thorough foliage cover. Results cannot be guaranteed where suckers originate from large lignotubers
	Misflflower (<i>Eupatorium riparium</i>)	5		Spray to point of run off. Spray actively growing plants up to early flowering stage.
	Noogoora Burr (<i>Xanthium pungens</i>)	7.5		

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

DIRECTIONS FOR USE: For New South Wales only Brush Application - Generex Metsulfuron alone cont.

Situation	Weeds Controlled	Handgun g/100L of water	Rate Boom g/ha	Critical Comments
Native Pasture*, Commercial & Industrial Areas & Rights of Way	Parthenium (Parthenium hysterophorus)	5		Spray to point of run off.
	Pateron's Curse (Echium plantagineum)	5	15	Spray foliage to point of runoff, ie thoroughly wet, but not to cause run-off
	Peppermint Gum (E. radiata)	10 + Organosilicone penetrant (100%) 200mL/100L		Spray plants up to 4 metres high. Ensure thorough foliage cover. Results cannot be guaranteed where suckers originate from large lignotubers
	Privet (Ligustrum spp)	10		It is important to ensure that all foliage is thoroughly wetted. Spray bushes only up to 3 metres in height. Do not spray if bush is stressed.
	Ragwort (Senecio jacobaea)	5	15	Spray when plants are at the rosette through to cabbage stage.
	Red Gum (E. blackelyi)	10 + Organosilicone penetrant (100%) 200mL/100L		Spray plants up to 4 metres high. Ensure thorough foliage cover. Results cannot be guaranteed where suckers originate from large lignotubers.
	Salvation Jane	5	15	Same weed as Pateron's Curse
	Sweet Briar (Rosa rubiginosa)	10		Spray foliage to point of run off. Do not spray once leaf fall has commenced or after the end of February
	Tree of Heaven (Ailanthus altissima)	10		
	Yellow Box (Eucalyptus melliodora)	10+ organosilicone penetrant (100%) 200mL/100L		Spray plants up to 4 metres high. Ensure thorough foliage cover. Results cannot be guaranteed where suckers originate from large lignotubers.
Wild Turnip (Brassica tournefortii)	5		Apply to actively growing plants	

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

DIRECTIONS FOR USE: For Victoria only

Brush Application - Generex Metsulfuron alone

Restraints

DO NOT apply if rainfall is expected within 2 hours of spraying.

DO NOT store tank mixes of Generex Metsulfuron (ie. a tank of water to which Generex metsulfuron and other products have been added).

DO NOT store a suspension of Generex Metsulfuron (ie. a tank of water to which Generex Metsulfuron only has been added) for over 2 days as this will lead to a significant breakdown of the product.

Application Technique: Product applied by Boom or Handgun (Not Gas Gun)

Situation	Weeds Controlled	Handgun g/100L of water	Rate Boom g/ha	Critical Comments
Native Pasture*, Commercial & Industrial Areas & Rights of Way	Australian Blackthorn (<i>Bursaria spinosa</i>) Bitou Bush/Boneseed (<i>Chrysanthemoides moniflora</i>) Blackberry (<i>Rubus</i> spp)	10 10 10		For all Weeds Spray when target species are in active plant growth phase, and not under stress from drought, waterlogging etc. Spray to point of run-off Ensure all foliage is thoroughly wet. Minimise contract of desirable species.
	Bracken - common (<i>Pteridium esculentum</i>) Golden Dodder (<i>Cuscuta australis</i>) Gorse (<i>Ulex europaeus</i>)	10 1 10 + Organosilicone penetrant (100%) 200mL/100L	60	Ensure all foliage is thoroughly wet and peripheral runners are sprayed to minimise regrowth. Apply to actively growing plants. Spray to point of runoff when fronds are fully expanded. DO NOT spray when bracken is drought stressed. Ensure correct spray overlap by boom height adjustment. Spray to point of runoff as a spot spray. Apply pre-flowering stage and ensure good coverage of infested area. Ensure foliage is thoroughly wet and as much penetration of the bush as possible. Apply only to bushes up to a height less than 2 metres where thorough coverage is possible.
	Paterson's Curse (<i>Echium plantagineum</i>) Ragwort (<i>Senecio jacobaea</i>) Salvation Jane Sweet Briar (<i>rosa rubiginosa</i>)	5 5 5 10	15 15 15	Spray foliage to point of runoff, ie thoroughly wet, but not to cause run-off. Spray when plants are at the rosette through to cabbage stage. Same weed as paterson's Curse. Spray foliage to point of run off. Do not spray once leaf fall has commenced or after the end of February.

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

DIRECTIONS FOR USE: For Queensland only Brush Application - Generex Metsulfuron alone

Restraints

DO NOT apply if rainfall is expected within 2 hours of spraying.
DO NOT store tank mixes of Generex Metsulfuron (ie. a tank of water to which Generex metsulfuron and other products have been added).
DO NOT store a suspension of Generex Metsulfuron (ie. a tank of water to which Generex Metsulfuron only has been added) for over 2 days as this will lead to a significant breakdown of the product.

Application Technique: Product applied by Boom or Handgun (Not Gas Gun)

Situation	Weeds Controlled	Handgun g/100L of water	Rate Boom g/ha	Critical Comments
Native Pasture*, Commercial & Industrial Areas & Rights of Way	Australian Blackthorn (<i>Bursaria spinosa</i>)	10		For all Weeds Spray when target species are in active plant growth phase, and not under stress from drought, waterlogging etc.
	Bellyache Bush (<i>Jatropha gossypifolia</i>)	10 + Organosilicone penetrant (100%) 200mL/100L		Spray to point of run-off
	Bitou Bush/Boneseed (<i>Chrysanthemoides monillifera</i>)	10		Ensure all foliage is thoroughly wet. Minimise contact of desirable species.
	Blackberry (<i>Rubus</i> spp)	10		Ensure all foliage is thoroughly wet and peripheral runners are sprayed to minimise regrowth. Apply to actively growing plants.
	Bracken - common (<i>Pteridium esculentum</i>)	10	60	Spray to point of runoff when fronds are fully expanded. DO NOT spray when bracken is drought stressed. Ensure correct spray overlap by boom height adjustment.
Crofton Weed (<i>Eupatorium adenophorum</i>)	15		Spray to point of run off. Apply to actively growing weeds up to early flowering. Best results are obtained on younger plants. Where bushes are in thickets, ensure thorough penetration. If regrowth occurs, re-treat in the subsequent growth period.	

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

DIRECTIONS FOR USE: For Queensland only Brush Application - Generex Metsulfuron alone cont.

Situation	Weeds Controlled	Rate Handgun g/100L of water	Boom g/ha	Critical Comments
Native Pasture*, Commercial & Industrial Areas & Rights of Way				For all Weeds Spray when target species are in active plant growth phase, and not under stress from drought, waterlogging etc.
	Golden Dooder (<i>Cuscuta australis</i>)	1		Spray to point of runoff as a spot spray. Apply pre-flowering stage and ensure good coverage of infested area.
	Inkweed (<i>Phytolacca octandra</i>)	5		Spray to point of run off.
	Lantana (<i>lantana camara</i>)	10		See Critical Comments for Gorse.
	Mistflower (<i>Eupatorium riparium</i>)	5		Spray to point of run off - ie. thoroughly wet but not to cause run off. Do not apply after early flowering.
	Parthenium (<i>Parthenium hysterophorus</i>)	5	7	Handgun - Spray to point of run off. Boom - (pastures only) Spray to point of run off. Apply up to rosette stage. Adjust boom height to ensure complete overlap.
	Paterson's Curse (<i>Echium plantagineum</i>)	5	15	Spray foliage to point of run off - ie. thoroughly wet, but not to cause run off.
	Privet (<i>Ligustrum</i> spp)	10		It is important to ensure that all foliage is thoroughly wetted. Spray bushes only up to 3 metres in height. Do not spray if bush is stressed.
	Rubber Vine (<i>Cryptostegia grandiflora</i>)	15		Spray bushes up to 3 metres tall from October to April. Ensure plant is saturated including all foliage and leaders. If coverage is not complete regrowth may occur.
	Salvation Jane Wait-a-while (<i>Caesalpinia decapetala</i>)	5 10	15	Same weed as Paterson's Curse.

* Legumes in Pastures will be damaged.

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

DIRECTIONS FOR USE: For South Australia only Brush Application - Generex Metsulfuron alone

Restraints

DO NOT apply if rainfall is expected within 2 hours of spraying.

DO NOT store tank mixes of Generex Metsulfuron (ie. a tank of water to which Generex metsulfuron and other products have been added).

DO NOT store a suspension of Generex Metsulfuron (ie. a tank of water to which Generex Metsulfuron only has been added) for over 2 days as this will lead to a significant breakdown of the product.

Application Technique: Product applied by Boom or Handgun (Not Gas Gun)

Situation	Weeds Controlled	Rate Handgun g/100L of water	Boom g/ha	Critical Comments
Native Pasture*, Commercial & Industrial Areas & Rights of Way				For all Weeds Spray when target species are in active plant growth phase, and not under stress from drought, waterlogging etc. Ensure all foliage is thoroughly wet. Minimise contract of desirable species.
	Bitou Bush/Boneseed (Chrysanthemoides moniflora)	10		
	Blackberry (Rubus spp)	10		
	Bracken - common (Pteridium esculentum)	10	60	Ensure all foliage is thoroughly wet and peripheral runners are sprayed to minimise regrowth. Apply to actively growing plants. Spray to point of runoff when fronds are fully expanded. DO NOT spray when bracken is drought stressed. Ensure correct spray overlap by boom height adjustment.
	Bridal Creeper (Myrsiphyllum asparagoides)	5		Spray during mid June to late August. To achieve complete control, follow-up applications over at least 2 seasons will be required. Use water volumes of 500L - 800L/ha to minimise the risk of damage to native vegetation.
	Golden Dodder (Cuscuta australis)	1		Spray to point of runoff as a spot spray. Apply pre-flowering stage and ensure good coverage of infested area.
	Gorse (Ulex europaeus)	10 + Organosilicone penetrant (100%) 200mL/100L		Ensure foliage is thoroughly wet and as much penetration of the bush as possible. Apply only to bushes up to a height less than 2 metres where thorough coverage is possible.
	Paterson's Curse (Echium plantagineum)	5	15	Spray foliage to point of runoff, ie thoroughly wet, but not to cause run-off.
	Ragwort (Senecio jacobaea)	5	15	Spray when plants are at the rosette through to cabbage stage.
	Salvation Jane	5	15	Same weed as paterson's Curse.
	Sweet Briar (rosa rubiginosa)	10		Spray foliage up point of run off. Do not spray once leaf fall has commenced or after the end of February.

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

DIRECTIONS FOR USE: For Tasmania only

Brush Application - Generex Metsulfuron alone

Restraints

DO NOT apply if rainfall is expected within 2 hours of spraying.

DO NOT store tank mixes of Generex Metsulfuron (ie. a tank of water to which Generex metsulfuron and other products have been added).

DO NOT store a suspension of Generex Metsulfuron (ie. a tank of water to which Generex Metsulfuron only has been added) for over 2 days as this will lead to a significant breakdown of the product.

Application Technique: Product applied by Boom or Handgun (Not Gas Gun)

Situation	Weeds Controlled	Rate Handgun g/100L of water	Boom g/ha	Critical Comments
Native Pasture*, Commercial & Industrial Areas & Rights of Way	Australian Blackthorn (<i>Bursaria spinosa</i>) Blackberry (<i>Rubus</i> spp)	10		For all Weeds Spray when target species are in active plant growth phase, and not under stress from drought, waterlogging etc. Spray to point of run-off
	Bracken - common (<i>Pteridium esculentum</i>) Gorse (<i>Ulex europaeus</i>)	10	60	Ensure all foliage is thoroughly wet and peripheral runners are sprayed to minimise regrowth. Apply to actively growing plants. Spray to point of runoff when fronds are fully expanded. DO NOT spray when bracken is drought stressed. Ensure correct spray overlap by boom height adjustment. Ensure foliage is thoroughly wet and as much penetration of the bush as possible. Apply only to bushes up to a height less than 2 metres where thorough coverage is possible.
	Paterson's Curse (<i>Echium plantagineum</i>) Ragwort (<i>Senecio jacobaea</i>) Salvation Jane Sweet Briar (<i>rosa rubiginosa</i>)	5 5 5 10	15 15 15	Spray foliage to point of runoff, ie thoroughly wet, but not to cause run-off. Spray when plants are at the rosette through to cabbage stage. Same weed as Paterson's Curse. Spray foliage to point of run off. Do not spray once leaf fall has commenced or after the end of February.

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

DIRECTIONS FOR USE: For Western Australia only Brush Application - Generex Metsulfuron alone

Restraints

DO NOT apply if rainfall is expected within 2 hours of spraying.

DO NOT store tank mixes of Generex Metsulfuron (ie. a tank of water to which Generex metsulfuron and other products have been added).

DO NOT store a suspension of Generex Metsulfuron (ie. a tank of water to which Generex Metsulfuron only has been added) for over 2 days as this will lead to a significant breakdown of the product.

Application Technique: Product applied by Boom or Handgun (Not Gas Gun)

Situation	Weeds Controlled	Rate Handgun g/100L of water	Boom g/ha	Critical Comments
Native Pasture*, Commercial & Industrial Areas & Rights of Way				For all Weeds Spray when target species are in active plant growth phase, and not under stress from drought, waterlogging etc.
	Blackberry (<i>Rubus</i> spp)	10		Ensure all foliage is thoroughly wet and peripheral runners are sprayed to minimise regrowth. Apply to actively growing plants.
	Bracken - common (<i>Pteridium esculentum</i>)	10	60	Spray to point of runoff when fronds are fully expanded. DO NOT spray when bracken is drought stressed. Ensure correct spray overlap by boom height adjustment.
	Paterson's Curse (<i>Echium plantagineum</i>)	5	15	Spray foliage to point of runoff, ie thoroughly wet, but not to cause run-off.
	Salvation Jane	5	15	Same weed as paterson's Curse.

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

DIRECTIONS FOR USE: For New South Wales, Victoria and Tasmania only Helicopter Application - Generex Metsulfuron alone

Restraints

DO NOT apply if rainfall is expected within 2 hours of spraying.
 DO NOT store tank mixes of Generex Metsulfuron (ie. a tank of water to which Generex metsulfuron and other products have been added).
 DO NOT store a suspension of Generex Metsulfuron (ie. a tank of water to which Generex Metsulfuron only has been added) for over 2 days as this will lead to a significant breakdown of the product.

Situation	Weeds Controlled	Rate grams per hectare	Critical Comments
Native Pasture*, Commercial & Industrial Areas	Blackberry (Rubus spp)	160	Apply only when bushes are actively growing. (Use at least 100L prepared spray per hectare). Tasmania only: Apply after Petal Fall. Do not apply to bushes bearing mature fruit. Victoria only: Apply between December and April.

* Legumes in Pastures will be damaged.

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

DIRECTIONS FOR USE: For Northern Territory only Helicopter Application - Generex Metsulfuron alone

Restraints

DO NOT apply if rainfall is expected within 6 hours of spraying.
 DO NOT store tank mixes of Generex Metsulfuron (ie. a tank of water to which Generex metsulfuron and other products have been added).
 DO NOT store a suspension of Generex Metsulfuron (ie. a tank of water to which Generex Metsulfuron only has been added) for over 2 days as this will lead to a significant breakdown of the product.

Situation	Weeds Controlled	Rate grams per hectare	Critical Comments
Flood Plains	Mimosa pigra	50 or 60	Use the higher rate when air temperature exceeds 35°C. Apply in at least 60L/ha of clean water. Use D6 or D8 nozzles with 45° swirl plates pressurised at 210KPa to give a large droplet size. Add a non-ionic surfactant. Apply when plant is actively growing. Avoid spraying when plants are stressed.

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

DIRECTIONS FOR USE: All States, ACT and Northern Territory Generex Metsulfuron/Glyphosate - Tank Mixes**

Restrictions

DO NOT apply if rainfall is expected within 2 hours of spraying.

DO NOT store tank mixes of Generex Metsulfuron (ie. a tank of water to which Generex metsulfuron and other products have been added).

DO NOT store a suspension of Generex Metsulfuron (ie. a tank of water to which Generex metsulfuron only has been added) for over 2 days as this will lead to a significant breakdown of the product.

** Refer to First Aid, Safety Directions, Resistant Weeds Warning and any other restrictions for Glyphosate 360L

Situation	Weeds Controlled	Rate (Always add an Oransilicone Penetrant) Aerial or Boom	Critical Comments
Native Pasture*, Rights of Way, Commercial & Industrial Areas, Domestic & Public Service Areas	Blackberry (Rubus spp)	60g + 4L an approved Glyphosate 360L per hectare	For all Weeds Spray when target species are in active plant growth phase, and not under stress from drought, waterlogging etc. Spray when flowering and prior to leaf yellowing. Do not apply to bushes bearing mature fruit.
	Bracken - common (Pteridium esculentum)	30g + 4L Generex Glyphosate 360L per hectare	Spray when fronds are fully expanded but before first frosts. If applying to boom, refer to boom spraying section.
	Gorse (Ulex europaeus)	3g + 400mL Generex Glyphosate 360L per 100L water	Do not apply in Spring. Apply to actively growing plants.
	Lantana (Lantana camara)	3g + 400mL Generex Glyphosate 360 L per 100L water	Apply to actively growing plants that are not drought stressed
	St John's Wort (Hypericum perforatum)	3g + 400mL Generex Glyphosate 360L per 100L water	Apply to actively growing plants form Spring to Summer.
	Sweet Briar (Rosa rubiginosa)	3g + 400mL Generex Glyphosate 360L per 100L water	Apply when plants are in full leaf. Do not apply once leaf fall has commenced.

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

DIRECTIONS FOR USE

Generex Metsulfuron/Glyphosate - Tank Mixes**

Restraints

DO NOT apply if rainfall is expected within 6 hours of spraying.
 Results may be slow to appear and may not be visible for 3-6 weeks. Full brown-out may take 3-6 months.
 DO NOT store prepared tank mixes for more than 1 day or significant breakdown will occur.
 DO NOT apply to plants wet with dew or rain or if droplets run off when plants are disturbed.
 ** Refer to First Aid, Safety Directions, Resistant Weeds Warning and any other restrictions for Glyphosate 360L

Situation	Weeds Controlled	State	Rate per 100 Litres	Critical Comments
Native Pastures*, Rights of Way, Commercial & Industrial Areas			Always add a non-ionic wetting agent unless otherwise specified	For all Weeds Spray when target species are in active plant growth phase, and not under stress from drought, waterlogging etc.
	Apple Box (<i>Angophora floribunda</i>)	NSW only	10g + 200mL Generex Glyphosate 360L plus Organosilicone penetrant (200mL/100L)	Apply thoroughly to plants up to 4m high which are actively growing and not stressed. Plants growing from large lignotubers may not be controlled.
	Australian Blackthorn (<i>Bursaria spinosa</i>)	QLD, NSW, VIC and TAS only	10g + 200mL Generex Glyphosate 360L	Apply to plants which are actively growing and not stressed. Spray foliage to point of run off. (i.e. Saturate plant until liquid no longer adheres to leaves).
	Bitou Bush/boneseed (<i>Chrysanthemoides monilifera</i>)	QLD, NSW, VIC and SA only	10g + 200mL Generex Glyphosate 360L	Ensure all foliage is thoroughly wet. Minimise contact with desirable species.
	Blackberry (<i>Rubus</i> spp)	ALL STATES, ACT and NT	10g + 200mL of an approved Glyphosate 360L	Ensure all foliage is thoroughly wet and peripheral runners are sprayed to minimise regrowth. Apply to actively growing plants between January and April in Tasmania, apply after petal fall and do not apply to bushes bearing mature fruit.
	Gorse (<i>Ulex europaeus</i>)	NSW, VIC, TAS and SA only	10g + 200mL Generex Glyphosate 360L plus Organosilicone penetrant (200mL/100L)	Ensure foliage is thoroughly wet with as much penetration of the bush as possible. Apply to bushes up to 2m high where thorough coverage is possible.
	Hawthorn (<i>Crataegus laevigata</i>)	NSW only	10g + 200mL Generex Glyphosate 360L	Apply to plants which are actively growing and not stressed. 2m high where thorough coverage is possible.

DIRECTIONS FOR USE Generex Metsulfuron/Glyphosate - Tank Mixes** cont.

Situation	Weeds Controlled	State	Rate per 100 Litres	Critical Comments
Native Pastures*, Rights of Way, Commercial & Industrial Areas			Always add a non-ionic wetting agent unless otherwise specified	For all Weeds Spray when target species are in active plant growth phase, and not under stress from drought, waterlogging etc.
	Messmate Stringybark (Eucalyptus obliqua)	NSW only	10g + 200mL Generex Glyphosate 360L plus Organosilicone penetrant (200mL/100L)	Apply thoroughly to plants up to 4m high which are actively growing and not stressed. Plants growing from lignotubers may not be controlled.
	Privet (Ligustrum spp)	QLD, NSW only	10g + 200mL Generex Glyphosate 360L	Apply to bushes up to 3m high which are actively growing and not stressed. It is important to ensure all foliage is thoroughly covered. Partial coverage will result in recovery.
	Red Gum (E. blakelyi)	NSW only	10g + 200mL Generex Glyphosate 360L plus Organosilicone penetrant (200mL/100L)	Apply thoroughly to plants up to 4m high which are actively growing and not stressed. Plants growing from large lignotubers may not be controlled.
	Sweet Briar (Rosa rubiginosa)	NSW, VIC, TAS and SA only	10g + 200mL Generex Glyphosate 360L	Apply to plants which are actively growing and not stressed Do not apply after leaf fall has commenced or after the end of February. Spray foliage to point of run off. (ie Saturate plant until liquid no longer adheres to leaves)
	Tree of Heaven (Ailanthus altissima)	NSW only	10g + 200mL Generex Glyphosate 360L	
	Yellow Box (DE. melliodora)	NSW only	10g + 200mL Generex Glyphosate 360L plus Organosilicone penetrant (200mL/100L)	Apply thoroughly to plants up to 4m high which are actively growing and not stressed. Plants growing from large lignotubers may not be controlled.

* Legumes in pastures will be damaged.

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



THIS BOOKLET IS PART OF THE LABEL

GENEREX AUSTRALIA PTY LTD

Level 12, Gateway

1 Macquarie Place

Sydney NSW 2000