

Trounce[®] Brush-Pack[™] Herbicide by Monsanto

Active Constituent: 835 g/kg GLYPHOSATE, 10 g/kg METSULFURON METHYL

DIRECTIONS FOR USE

For specific rates of application and complete directions for use, please read **Weeds Controlled Table** following.

SAFETY DIRECTIONS

Harmful if swallowed.

Will irritate the eyes and skin.

Avoid contact with eyes and skin.

Do not inhale dust or spray mist.

When preparing product for use wear elbow-length PVC gloves and face shield or goggles.

After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

After each day's use, wash contaminated clothing, gloves and face shield or goggles.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre.

If swallowed, and if more than 15 minutes from a hospital, induce vomiting, preferably using Ipecac Syrup APF.

ONLY IN EMERGENCY, CALL 1800 033 111 ALL HOURS

Refer to Monsanto Material Safety Data Sheet for more information

NRA Approval No 47017

STORAGE

Store in the closed original package in a dry, well ventilated area. Avoid prolonged storage in direct sunlight. Do not contaminate seed, feed or foodstuff.

Do not mix, store or apply this product or spray solutions of this product in galvanized steel or unlined steel containers or spray tanks, since a highly flammable gas mixture may be formed. Use stainless steel, aluminium, brass, copper, fibreglass, plastic or plastic-lined containers or spray tanks.

DISPOSAL

Plastic or foil measure packs: Single rinse before disposal. Add rinsate to spray tank. Do not dispose of undiluted chemicals on-site. Empty packs (and product) should not be burned and should be shredded or punctured before disposal. Dispose of empty packs by burial under at least 500 mm of soil at an approved disposal site in a non-crop, non-pasture area away from water sources or homes.

PROTECTION OF CROP, NATIVE AND OTHER NON-TARGET PLANTS

Avoid contact with foliage, green stems, or fruit of crops, desirable plants and trees, since severe injury or destruction may result.

Do not apply or allow spray to drift onto adjacent crops and non-target vegetation, or onto agricultural land scheduled to be planted to other crops as injury to the crop may occur.

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 LIVESTOCK

Livestock may continue to graze in Trounce Brush-Pack treated areas. However, certain plants such as Bracken are naturally toxic to stock. Where known toxic plants are present, grazing be delayed until complete browning of treated plants has occurred.

PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND ENVIRONMENT

Do not contaminate dams, rivers, or streams with the product or used container.

RESISTANT WEEDS WARNING

Trounce Brush-Pack herbicide by Monsanto is a member of the Glycines and Sulfonylurea group of herbicides. Trounce Brush-Pack has the inhibition of EPSP and acetolactate synthase modes of action.

For weed resistance management Trounce Brush-Pack is a group M and B herbicide.

Some naturally occurring weed biotypes resistant to Trounce Brush-Pack and other inhibitors of EPSP and acetolactate synthase mode of action herbicides may exist through normal genetic variability in any weed population.

These resistant weeds will not be controlled by Trounce Brush-Pack or other inhibitors of EPSP and acetolactate synthase herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Monsanto accepts no liability for any losses that may result from the failure of Trounce Brush Pack to control resistant weeds.

GENERAL INSTRUCTIONS

Trounce Brush-Pack is a non-selective, foliar applied herbicide for control of brush weeds, as named. It is a dry flowable formulation which disperses and partially dissolves in water.

Always add Pulse Penetrant when using Trounce Brush-Pack (see Surfactant Addition).

Apply the product to actively growing plants. Performance will be reduced if spray coverage is not complete, or if plants are treated when stressed by drought, frost, grazing or previous herbicide application, or are covered with dust or dirt.

Delay application of plants wet with dew or rain, if water droplets run off when plants are disturbed. Rainfall up to 6 hours after application may reduce effectiveness. Heavy rainfall within 2 hours after application may wash the chemical off the foliage and a repeat treatment may be required.

Symptoms of control are a gradual yellowing of foliage followed by desiccation. Symptoms may not be visible for 3-6 weeks, and full brown-out can take 3 to 6 months depending on growing conditions.

MIXING

Trounce Brush-Pack is a dry flowable formulation which disperses and partially dissolves in water.

To ensure performance, ALWAYS use the entire contents of a measure pack and empty the measure pack completely.

Use clean water. Performance may be reduced if water containing soil is used (for example, water from ponds or un-lined ditches) or if hard water containing calcium salts is used. Ensure the tank is free of any residue of previous spray materials.

Mix Trounce Brush-Pack using one of the four methods described below. Good agitation is required when mixing, particularly under cold conditions, to ensure all of the product disperses when first added to the tank.

Add Pulse Penetrant near the end of the filling process to avoid excessive foaming (see Surfactant Addition). Remove the hose from the mixing tank immediately after filling to avoid siphoning back into the water source.

1. Through Strainer Mixing
 - a. Where a strainer is fitted to the top opening of the spray tank, gradually empty the measure packs of Trounce Brush-Pack into this and wash through while filling the tank. Repeat until the required number of measure packs have been added to the tank.
 - b. Complete water addition and fully agitate until the product is completely dispersed.
2. In Tank Pre-slurry
 - a. Pre-slurry in the bottom of tank by first filling with 20-30 litres of water.
 - b. Add the required amount of Trounce Brush-Pack and use a mixing rod and/or the agitation system to vigorously and thoroughly stir until all is completely slurried and none remains on the bottom of the tank.
 - c. Continue to fill with water and fully agitate until the product is completely dispersed.
3. External Pre-slurry
 - a. Fill the spray tank with 1/2 the required water.
 - b. Pre-mix the required amount of Trounce Brush-Pack in a separate container until it is completely slurried by adding one measure pack (1 73g) per litre of water.
 - c. Add to a vigorously agitating tank and complete water addition.
 - d. Continue agitation until the product is completely dispersed.
4. Full Agitation in Pre-filled Spray Tank
 - a. Fill the tank with 1/2 the required water and set the pump on full agitation.
 - b. Add the Trounce Brush-Pack slowly enough to ensure that it is well dispersed throughout the tank and none collects on the bottom.
 - c. Continue agitation until the product is completely dispersed and complete water addition. The mixture must be kept in suspension at all times by continuous agitation. If allowed to stand, ensure that the mixture is thoroughly agitated before using.

Use the mixture within one day, otherwise reduced performance may occur.

SURFACTANT ADDITION

Always apply Trounce Brush-Pack with Pulse Penetrant.

Handgun- 1 00mL / 100 L

Boom- 200m L / 100 L

Hand-gun Application

Thorough spray coverage of all foliage and stems is critical. Use a pressure of greater than 800kPa to assist bush penetration. Hand-gun nozzle tips of size No 6 or greater are recommended for bushes up to 2 metres high. Use a No 8 tip and a higher pressure for bushes larger than 2 metres high. Use a wide cone setting as much as possible.

Treat bushes from all sides. Spray to thoroughly wet all the foliage and stems. Use an even side-to-side movement of the spray, working from the bottom to the top of the bush. Spray all parts of the bush, paying particular attention to runners and the top and middle of large bushes, as unsprayed foliage may not be controlled.

Boom Application

Fan nozzle equipment is recommended, using pressures in the range of 240 to 280 kPa. Boom height must be set to ensure double overlap of nozzle patterns at the top of the weed canopy. Apply in 100 to 200L/ha water. Use the higher water rate on dense infestations.

Aerial Application (Helicopter Only)

Apply using 100 to 200 L/ha of water and a VMD of 300 micron. Use the higher water rate on dense infestations.

High temperatures and /or low humidity cause excessive evaporation of spray droplets which may reduce results. Do not apply Trounce Brush-Pack when temperatures are over 30°C.

Spray with a properly calibrated helicopter using the half overlap, opposite pass technique. Use a nozzle configuration that ensures canopy penetration and full coverage of bushes while minimising off-site movement of spray.

Turn off the spray boom while passing over waterways, lakes or dams.

AVOID DRIFT

Do not use with spraying equipment or under meteorological conditions which could be expected to cause spray drift onto nearby susceptible plants, adjacent crops, croplands or pasture. Equipment which produces fine droplets (150 microns or less), winds over 8 km/hr, inversion conditions, still air and hot dry days all contribute to drift.

SPRAYER CLEAN-UP

Before application of products other than Trounce Brush-Pack, the sprayer must be cleaned out as follows:

1. Drain the tank and flush equipment with water for a minimum of 10 minutes, including hoses, filters and boom.
2. Fill the tank with clean water and add chlorine bleach (containing 4% chlorine) at the rate of 300mL/100L of water. Flush through the boom and then agitate for 15 minutes.
3. Repeat step 2 above.
4. Remove all nozzles and screens and clean thoroughly.
5. To remove traces of chlorine bleach, rinse the tank thoroughly with clean water and flush through hoses and boom.

CAUTION

Do not use chlorine bleach with ammonia. All traces of liquid fertilizer containing ammonia, ammonium nitrate or ammonium sulphate must be rinsed with water from the mixing and application equipment before adding chlorine bleach solution. Failure to do so will release a gas with a musty chlorine odour which can cause eye, nose, throat and lung irritation. Do not clean equipment in an enclosed area.

FOLLOW UP- MANAGEMENT

Do not disturb treated weeds by cultivation, sowing or dozing for 1 month after application to ensure herbicide absorption.

Burning after complete brown-out of treated plants, over-sowing and/or further treatment are recommended to control seedlings and/or regrowth.

Trounce Brush-Pack may inhibit the establishment of species to be sown in treated areas for 3 to 6 months after application. Tolerance of species to be sown should be determined on a small scale before sowing into larger areas.

DIRECTIONS FOR USE (All states and NT)

SITUATION	WEEDS CONTROLLED	Rate - Aerial or Boom	Rate - Hand-gun or Knapsack	CRITICAL COMMENTS
Pastures	Blackberry (<i>Rubus</i> spp.)	20 x 173g or 4 x 865g measure packs per hectare	1 x 173g measure pack per 100L or 1 x 865g measure pack per 500L	For Blackberries, apply from flowering until prior to leaf yellowing. Due to widespread picking of Blackberries by the public, it is recommended that the product is not applied to bushes bearing mature fruit.
Forests				
Commercial and industrial areas	Bracken (<i>Pteridium esculentum</i>)	10 x 173g or 2 x 865g measure packs per hectare		For Bracken, apply when frond are fully unfurled but prior to first frosts. For boom application, refer to Boom Application section.
Rights of way				For Lantana, apply when actively growing. Do not apply during periods of summer drought stress.
Domestic and public service areas	Gorse (<i>Ulex europaeus</i>) Lantana (<i>Lantana camara</i>) St John's Wort (<i>Hypericum perforatum</i>) Sweet briar (<i>Rosa</i>)			For St John's Wort, apply when actively growing from spring to summer. For Sweet briar, apply when in full leaf, prior to leaf fall.

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

LIMIT OF WARRANTY AND LIABILITY

Monsanto Australia Limited ("Monsanto") warrants that this product conforms to the chemical description on the label. As the use of product sold is beyond the control of Monsanto, no responsibility whatsoever for any consequences is accepted in respect of this product save those non-excludable conditions implied by any State and Federal legislation or law of a Territory. Not for re-packaging or re-formulation. No licence under any non-Australian patent is granted or implied by purchase of this product.

For product information call toll free 1800 639 899

Monsanto Australia Limited ACN 006 725 560
600 St Kilda Road
Melbourne Victoria 3004
Telephone (03) 9522 7122

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