



The miracles of science®

DuPont™ Express®

herbicide

Technical Information

Active Constituent:
750 g/kg TRIBENURON METHYL

Pack Sizes:
500 g
1.5 kg

GROUP **B** HERBICIDE

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

For the control of certain broadleaf weeds in fallow and pre-crop situations as per Directions for Use Table.

SAFETY DIRECTIONS

Will irritate the eyes. Avoid contact with eyes. When preparing spray wear elbow-length PVC gloves and face shield or goggles. If product in eyes, wash out immediately with 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 and face shield or goggles.

FIRST AID

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

MATERIAL SAFETY DATA SHEET

For further information refer to the Material Safety Data Sheet that can be obtained from <http://www.cropprotection.dupont.com.au>

GENERAL INSTRUCTIONS

Best results are obtained when Express® herbicide is applied to young actively growing weeds. The rate will depend on weed spectrum at time of application. The degree of control and duration of effect are dependent on rate used, sensitivity and size of target weeds and environmental conditions at the time of and following application.

DuPont™ Express® herbicide stops growth of susceptible weeds rapidly. However, typical symptoms of dying weeds (discolouration) may not be noticeable for 1 to 3 weeks after application depending on the environmental conditions and susceptibility. Warm, moist conditions following treatment promote the activity of Express® herbicide, while cold, dry conditions delay activity. Weeds hardened-off by cold weather and/or drought stress will be less susceptible.

Where recommended the addition of Glyphosate will enhance knockdown and control of weeds. It also helps minimise the risk of resistant weeds occurring.

RESISTANT WEEDS WARNING

DuPont™ Express® herbicide is a member of the Sulfonylurea group of herbicides. The product has the Inhibitors of Acetolactate Synthase (ALS inhibitors) mode of action. For weed

resistance management, Express® herbicide is a Group B herbicide.

Some naturally-occurring weed biotypes resistant to the product and other Group B 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 the product or other Group B herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, DuPont accepts no liability for any losses that may result from failure of this product to control resistant weeds.

Large numbers of healthy surviving weeds can be an indication that resistance is developing. Efforts should be taken to prevent seed set of these survivors.

DO NOT use an ALS inhibitor herbicide against the same weed in the crop following the use of Express® herbicide alone either as a fallow or pre-crop treatment. This does **NOT** apply if the fallow or pre-crop use of Express® herbicide was tank mixed with glyphosate.

Avoid the prolonged use of ALS inhibitor herbicides on the same weed population.

If the user suspects that an ALS inhibitor resistant weed is present, Express® herbicide or other ALS inhibitors herbicides recommended for the control of that weed should not be used.

Strategies to minimise the risk of herbicide resistance are available. Consult your farm chemical supplier, consultant, local Department of Agriculture or Primary Industries, or local DuPont Representative.

Crop Safety

DO NOT apply Glean® cereal herbicide, Ally® herbicide or Logran® in a tank mix with Express® herbicide as a fallow or pre-crop treatment.

Spray Preparation

DuPont™ Express® herbicide is a dry flowable formulation to be mixed with water and applied as a spray. Partially fill the spray tank with water. Using the Express® herbicide measuring cone provided, measure the amount of Express® herbicide required for the area to be sprayed. Add the correct amount of Express® herbicide to the spray tank with the agitation system engaged. Top up to the correct volume with water. **THE MATERIAL MUST BE KEPT IN SUSPENSION AT ALL TIMES BY CONTINUOUS AGITATION.**

In tank mixes, Express® herbicide must be in suspension before adding the companion herbicide or surfactant/wetting agent.

Compatibility

DuPont™ Express® herbicide is compatible with glyphosate herbicides e.g. Nufarm Glyphosate CT and Roundup® CT.

Use of Surfactant/Wetting Agent

Always add non-ionic surfactant (1000 g/L - non buffering type) at 100 mL/100 L (0.1 % v/v) of final spray volume. When applying Express® herbicide alone by air in addition to a non-ionic surfactant add a mineral spray oil at 1 L/100 L (1 % v/v) of final spray volume.

Ground Spraying

Use a boom spray properly calibrated to a constant speed and rate of delivery to ensure thorough coverage and a uniform spray pattern. Avoid overlapping and shut off spray booms while starting, turning, slowing or stopping. Apply a minimum of 50 L prepared spray/ha.

Aerial Spraying

Apply in a minimum of 20 L/ha water. Application in 30 L/ha will improve performance reliability. Avoid spraying in still conditions and in winds likely to cause drift onto adjacent sensitive crops or fallow areas likely to be planted to these crops - see Crop Options section. Turn off spray boom whilst passing over creeks and dams.

DO NOT apply when a temperature air inversion is likely to occur.

Sprayer Cleanup

To avoid subsequent injury to crops immediately after spraying thoroughly remove all traces of Express® herbicide from mixing and spray equipment as follows:

1. Immediately after spraying, drain tank completely. Any contamination on the outside of the spraying equipment should be removed by washing with clean water.

2. Rinse inside of tank with clean water and flush through boom and hoses using at least one-tenth of the spray tank volume. Drain tank completely.
3. Half fill tank with clean water adding household ammonia to give a 1 % solution (equivalent ratios include 1/3 L household ammonia product (containing 9.5 % ammonia) for each 100 L of tank volume. Agitate, and then flush the boom and hoses with the cleansing solution. Top up with water making sure the tank is completely full and allow to stand for 15 minutes with agitation engaged. Again flush the boom and hoses and drain tank completely.
4. Nozzles and screens should be removed and cleaned separately with ammonia solution at the same concentration as used for the sprayer.
5. Rinse the tank with clean water and flush through boom and hoses using at least one-tenth of the spray tank volume. Drain tank completely.
6. **DO NOT** spray the tank rinsate onto sensitive crop or land intended for cropping with sensitive crop.

NOTE: If not possible to drain the tank completely, step 3 must be repeated before going on to step 4.

Crop Options

Land previously treated with Express® herbicide may be sown to any of the specified crops after the interval indicated in the following table:

Minimum interval	Crops**
3 days	Barley Oats Wheat
7 or 21 days	Maize Mung beans Sorghum Soybeans Sunflowers

NOTE: DuPont™ Express® is broken down in soil, primarily by chemical hydrolysis, but to a lesser degree by microbial degradation. Breakdown is fastest in warm, wet acid soils and slower in cold, dry alkaline soils. For the above summer crops, if minimum soil temperatures at planting depth are less than or equal to 15 °C for three consecutive days, then plantback intervals should be extended to 21 days.

** As a herbicide resistance countering measure, **DO NOT** use an ALS inhibitor herbicide in any of these crops following the use of Express® herbicide alone as a preceding fallow or pre-crop treatment.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

Injury to or loss of desirable trees, vegetation including aquatic plants may result from failure to observe the following:

Tolerance of other crops (grown through to maturity) should be determined on a small scale before resowing into larger areas.

DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures.

PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND ENVIRONMENT

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

PROTECTION OF LIVESTOCK

The use pattern is such that a withholding period for harvest or grazing is not required. It is recommended however, not to graze treated areas for 2 to 3 days to ensure adequate control is achieved.

STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well-ventilated area, out of direct sunlight. Keep from contact with fertilisers, insecticides, fungicides and seeds.

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. If recycling, replace cap and return containers to recycler or designated collection point. If not recycling, break, crush, or puncture and bury empty containers in a local authority landfill.

If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

**IN A MEDICAL EMERGENCY CALL
1800 674 415 All hours**

NOTICE TO BUYER

To the extent permitted by law all conditions and warranties and statutory or other rights of action which buyer or any other user may have against DuPont or Seller are hereby excluded. DuPont hereby gives notice to buyer and other users that it will not accept any responsibility for any indirect or consequential loss arising from reliance on product information or advice provided by DuPont or on its behalf unless it is established that such information or advice was provided negligently and that the product has been used strictly as directed. DuPont's liability shall in all circumstances be limited to replacement of the product or a refund of the purchase price paid therefore.

APVMA Approval number: 46440/0607

DIRECTIONS FOR USE

RESTRAINTS

DO NOT apply to weeds that are not actively growing or stressed by any cause such as adverse weather conditions, drought, waterlogging. Broadleaf weeds under stress frequently become less susceptible to herbicide activity. This may result in an incomplete kill or only growth suppression. If heavy grazing has occurred allow regrowth before spraying.

Minimum volumes of prepared spray to be applied: - ground application - 50 L/ha

- aerial application - 20 L/ha.

Use prepared spray suspensions within two days of preparation, otherwise significant breakdown may occur.

DO NOT apply if rainfall is expected within 2 hours.

Express® alone- NSW and Qld ONLY

SITUATION	WEEDS CONTROLLED	RATE g/ha	WEED GROWTH STAGE AT APPLICATION	CRITICAL COMMENTS
As a herbicide resistance countering measure, DO NOT use an ALS inhibitor herbicide in the crop following the use of Express® alone as a preceding fallow or pre-crop treatment				
FALLOW and PRE-CROP (Refer to Crop options section for minimum intervals between application and sowing)	Amaranthus /Boggabri weed (<i>Amaranthus mitchellii</i>)	25	Apply up to the 10 leaf stage.	
	Caltrop/Yellowvine (<i>Tribulus terrestris</i>)			
	Common Sowthistle /Milk thistle (<i>Sonchus oleraceus</i>)			
	Deadnettle (<i>Lamium amplexicaule</i>)			
	Medics (Native) (<i>Medicago</i> spp.)	30	Apply up to 5 cm diameter.	If weeds are at a more advanced growth stage and/or are present in high numbers (greater than 50 per m ²) use a Glyphosate mixture as specified in Express + Glyphosate Tank mix table.
	New Zealand Spinach (<i>Tetragonia tetragonoides</i>)	20	Apply up to the 10 leaf stage.	
	Prickly Lettuce (<i>Lactuca serriola</i>)	30	Apply up to the 4 leaf stage.	
Turnip weed (<i>Rapistrum rugosum</i>)	20	Apply up to flowering.		
Always add non-ionic surfactant (1,000 g/L - non buffering type) at 100 mL/100 L (0.1 % v/v) of final spray volume.				

Express® + Glyphosate Tank mixes - NSW and Qld Only

For the control of these weeds in addition to those in the Express® alone table.

SITUATION	WEEDS CONTROLLED	RATE g/ha	WEED GROWTH STAGE AT APPLICATION	CRITICAL COMMENTS
FALLOW and PRE-CROP (Refer to Crop Options section for minimum intervals between application and sowing)	Black bindweed <i>(Fallopia convolvulus)</i>	25 + Glyphosate (450 g/L) 600 mL/ha	Apply up to the 10 leaf stage.	For best control, apply to small actively growing weeds. Larger weeds are more difficult to control.
	Common thornapple <i>(Datura stramonium)</i>	20 + Glyphosate (450 g/L) 400 mL/ha	Apply up to the 8 leaf stage.	
	Deadnettle <i>(Lamium amplexicaule)</i>	25 + Glyphosate (450 g/L) 400 mL/ha	Apply up to the 10 leaf stage.	
	Mintweed <i>(Salvia reflexa)</i>	15 + Glyphosate (450 g/L) 600 mL/ha		
	Pigweed/Portulaca <i>(Portulaca oleracea)</i>	20 + Glyphosate (45 g/L) 600 mL/ha		
	Prickly lettuce <i>(Lactuca serriola)</i>		Apply up to the 6 leaf stage.	
Always add non-ionic surfactant (1,000 g/L - non buffering type) at 100 mL/100 L (0.1 % v/v) of final spray volume.				

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

WITHHOLDING PERIODS

NOT REQUIRED WHEN USED AS DIRECTED

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