

Umbrella 905

Extender Sticker Spreader

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ACTIVE CONSTITUENT:
905 g/L di-1-p-MENTHENE

Umbrella 905 is a sticking-extending agent designed to control the life of pesticides.

It is compatible in the spray tank with Insecticides, Fungicides and Soluble Fertilizers.

IMPORTANT: READ THIS LEAFLET BEFORE OPENING OR USING

Contents: 20 Litres

BARMAC

(A division of Amgrow Australia Pty Ltd) ABN 22 069 900 456

82 Christensen Road, Stapylton QLD 4207

Tel: (07) 3802 5050 ◆ www.barmac.com.au



DIRECTIONS FOR USE

PURPOSE	DOSAGE	SITUATION	USAGE
AS A STICKER To control the life of the pesticide by forming a sticky elastic film that encapsulates and holds the pesticide on the crop foliage. AS A SPREADER Helps the pesticide spray spread out uniformly on hairy or waxy plant parts to get into cracks and crevices.	200-300 mL/ha Compatible with Insecticides, Fungicides, Foliar fertilizers and Herbicides	All crops	Up to the normal pesticide cut-off time.
AS AN EXTENDER To extend the time between sprayings of some pesticides by up to 7 days*.	1.2 L/ha		DO NOT apply Umbrella 905 within 30 days of harvest of food unless under specific spray applications. SPECIFIC APPLICATIONS CAUTION: Umbrella 905 can be used with Copper fungicides and tolerance exempt pesticides on Food Crops right up to harvest. The use of Umbrella 905 on tolerance exempt pesticides close to harvest may result in visible residues on crops that may render them unsaleable. If this becomes a problem, the rate of Umbrella 905 should be reduced or stopped altogether.

* This is a guide only. The actual length of extension may vary depending on the type of pesticide used and climatic conditions after application.

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

GENERAL INSTRUCTIONS

Umbrella 905 is a sticking-extender agent designed to control the life of pesticides. It is compatible in the spray tank with Insecticides, Fungicides and Soluble Fertilizers.

- Forms a sticky elastic film which encapsulates and tenaciously holds the pesticide on the crop foliage. This protective film may reduce the effects of environmental degrading factors, which reduce the effectiveness of pesticide sprays.
- Will not foam, freeze or clog nozzles. It has been proven effective when applied by any aircraft or ground sprayer. It improves the initial pesticide deposit and allows excellent re-distribution of aircraft and concentrate sprayer deposits, to give complete coverage.
- Prevents rainfall and wind erosion of pesticides from the leaf surfaces. Pesticide volatilisation is minimised by protective film. Loss of pesticide deposit by the abrasive activity of leaves rubbing together is also prevented.

Under most conditions, apply sprays containing Umbrella 905 at least one hour, during daylight, before anticipated rain. Sunlight for this time period is needed for the protective film to set.

MIXING

Add Umbrella 905 to the spray tank as it is filling, with the agitator running. To ensure good emulsification of this product, it is advisable to pre mix Umbrella 905 with water before adding to the spray tank. Add Umbrella 905 to the spray tank as the last ingredient. Rinse tank, lines and nozzles, immediately after spraying, with water. After rinsing, there may still be a small amount of sticky residue in the tank. This will help to prevent rusting and corrosion. It will not clog nozzles when sprayer is next used. If spray happens to land on undesired surfaces, such as windows, cars, application equipment or others, it can be removed with soap and water, before the spray deposit is dry or with premium grade or white kerosene after the film has dried or set. To remove dried deposits from painted car surfaces, use standard tar remover products designed for use on painted car finishes. Use this product in accordance with good agronomic practices, which include utilising proven spray equipment set for proper coverage. Applications should be made at temperature levels and when other environmental conditions in your area are such that your experience indicates the application will be compatible and will accomplish the desired result. Use of this material being beyond our control and involving elements of risk to human beings, animals and vegetation, we do not make any warranty, express or implied, as to the effects of such use, when this product is not used in accordance with the directions as stated on the label.

COMPATIBILITY

Umbrella 905 is compatible with most insecticides, fungicides, herbicides and foliar fertilizers.

DIRECTIONS FOR USE:

To assist in retaining the yield potential in all Brassica seed crops, oil seed rape (Canola) and other highly shattering crops.

APPLICATION RATES			
CROP	RATE PER HECTARE	WATER RATE PER HECTARE	COMMENTS
Lucerne (For seed production)	1.5 L	Ground: 200-400 L Aerial: 20 L	For best results two applications should be made although a very useful control of splitting of the 'curls' may be obtained from a single application. Application at commencement of pod maturity. 1st Application: Approximately 4-6 weeks before the usual desiccation time. Apply 1.5 L/ha of Umbrella 905 when the most advanced 'curls' have just started to turn yellow. Curls which split when rolled between finger and thumb are likely to be beyond the stage for protection.
	1.75 L		Application at desiccation: Use this rate if the first application has NOT been made. Use in tank mixture with the desiccant.
	800 mL		Application at desiccation: 2nd Application Apply 800 mL/ha of Umbrella 905 in tank mixture with the desiccant if the first application at commencement of pod maturity WAS made.
Lucerne (For hay production)	120 mL/ estimated tonne of green matter per ha to a max of 2.4 L/ha	Ground: 200-400 L Aerial: 20 L	For hay production: To preserve hay quality by controlling the shedding of whole or parts of leaves where rain or heavy dew occurs during drying, crops of Lucerne grown for hay may be treated with Umbrella 905. Note: Only leaves developed before spraying will be protected. Apply Umbrella 905 close to cutting and NO more than five days earlier. Umbrella 905 may conveniently be applied in tank mixture with any hay preservative or drying conditioner using the equipment and application rates recommended by the manufacturer. The high degree of cover required for pod shatter control is not essential when treating a hay crop
Brassica Seed Crops (To be swathed or chemically desiccated) including canola (oilseed) & fodder rape, cabbage, kale, turnips, radish & mustard)	600 mL	Ground: 500 L Aerial: 24 L	Swathing: Apply when the majority of the pods have lost their intense green colour. At this time, although yellow, the pod is still pliable and may be bent without splitting open to release the seed. DO NOT apply more than 2-3 weeks before swathing. Chemical Desiccation: Apply when the majority of the pods have lost their intense green colour. At this time, although yellow, the pod is still pliable and may be bent without splitting open to release the seed. Desiccants are normally applied 7-10 days before harvest. Providing that the majority of pods are still sufficiently pliable to be bent into a circle without splitting, a useful result will be obtained by treatment with Umbrella 905 in tank mix with the desiccant.

CROP	RATE PER HECTARE	WATER RATE PER HECTARE	COMMENTS
Brassica Seed Crops (To be directly combined without swathing or chemical desiccation)	1.2 L	Ground: 500 L Aerial: 24 L	Direct Harvesting: Apply when the majority of the pods have lost their intense green colour. At this time, although yellow, the pod is still pliable and may be bent without splitting open to release the seed. Allow the crop to fully mature before attempting to harvest.
Peas	900 mL	Ground: 400 L Aerial: 20 L	Apply when the peas start to mature i.e. they have lost their intense green colour. At this time the pod is yellow and still pliable and elastic and may be rolled between the palms of the hands without splitting open to release seed. This occurs 15 to 20 days before harvest.
Lentils, Dry Beans, Vetch, Sesame, Linseed, Flax and other Legume Crops	1.2 L	Ground: 400 L Aerial: 20 L	Apply when the peas start to mature, have lost their intense green colour. At this time the pod is yellow and still pliable and elastic. The pod may be rolled between the palms of the hands without splitting open to release seed.
Grass (Seed crops eg. ryegrass, phalaris, cocksfoot etc)	1.5 L	Ground: 200-400 L Aerial: 24 L	Apply Umbrella 905 from after peak flowering (pollination) until 7-10 days after the end of flowering. DO NOT apply Umbrella 905 closer than 3 weeks before harvest.
Soybeans (For seed production) Mung Beans and Soybean (For processing)	400-600 mL*	Ground: 400 L Aerial: 20 L	The lower rate will provide economical levels of protection in processing crops. For higher level of control apply 600 mL/ha. Apply when the majority of the pods have lost their intense green colour and the outline of the seed is visible through the pod case. Umbrella 905 will control shatter when applied up to the time at which the pod, although yellow, is still pliable and may be rolled between the palms of the hands (or between finger and thumb), without splitting open to release seed. A small amount of bulging open is acceptable. FOR BEST RESULTS APPLY WHILE ALL PODS ARE STILL GREENISH IN COLOUR.

* If the leaves have fallen and the pods are still within the recommended timing for application this volume should be reduced to 300 mL/ha

GENERAL INSTRUCTIONS

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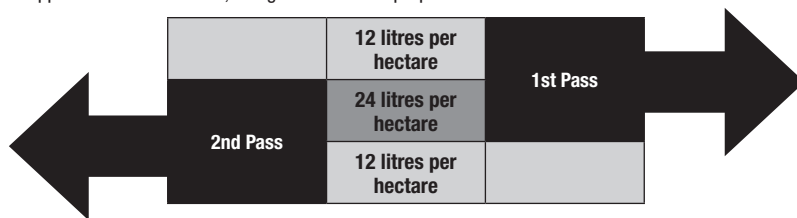
Umbrella 905 will NOT damage any crop onto which it may drift.

APPLICATION IN SEQUENCE WITH SWATHING “PULLING”; OR CHEMICAL DESICCATION

Where the application of Umbrella 905 is made before swathing, pulling or chemical desiccation it is recommended that these treatments are delayed for 5-7 days to allow the pods to complete their development.

APPLICATION

Aerial Application: For best application of Umbrella 905 and to ensure thorough coverage of the pods or seeds, it is recommended to apply the product in opposite directions twice, using a half dose of preparation.



Apply at 45 psi to achieve a 120-150 micron droplet size. Use D4, D5 or D6 cores with 45 (4 hole) swirl plates. Use 30 to 40 degrees of forward nozzle angle (take care with streamlined booms to avoid break up of droplets).

Use the maximum number of jets with spacing compensation for slipstream and propeller.

Before spraying, measure wind (5 to 8 knots ideal with max 12 knots and 50% gustiness).

Aim for height to wind speed (HS) factor of 40 (ie, 5' in 8 knot wind, etc) at normal flying speed for aircraft type.

Ground application: Ground application of Umbrella 905 is only recommended if row width clearance is sufficient to avoid mechanical damage. A high ground clearance machine with narrow wheels is recommended. Use Umbrella 905 at not less than the recommended volume of water per hectare and maintaining a minimum pressure of 40 psi.

Note: CROP PENETRATION IS ESSENTIAL

TIMING OF APPLICATION

Note: Pod maturity / senescence may develop rapidly once pods commence turning yellow. A very considerable advance towards ripening and being beyond treatment with Umbrella 905 may occur in one or two days, especially in hot dry weather. BE EARLY rather than late, in making an application.

MIXING

SHAKE WELL BEFORE USE.

Remove filter and add Umbrella 905 to a half-filled spray tank while agitating, continue agitating while filling and spraying. Tank, lines and nozzles should be rinsed with water immediately after spraying. Fungicides, insecticides and desiccants may be used in tank mixture with Umbrella 905.

RAINFASTNESS

Umbrella 905 requires thirty minutes after drying on the crop before rainfall to be fully waterproof.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or waterways (including ponds and drains) with this product or used containers.

STORAGE AND DISPOSAL

KEEP OUT OF REACH OF CHILDREN. Store in the closed original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple-rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm 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.

FIRST AID

If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 131126.

NOTES

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet available from BARMAC or on our website www.barmac.com.au

CONDITIONS OF SALE: This product is designed only for the particular purposes indicated on the label. Failure to use the product strictly as directed may be illegal, prove dangerous and render the product ineffective. The buyer or user is responsible for any misuse or negligence in the handling, storage, use of or disposal of this material. BARMAC (A division of Amgrow Australia Pty Ltd) will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply and use of this product other than those responsibilities mandatorily imposed by Statutes applicable to the sale and supply of these goods.

Additional information required under the Globally Harmonised System (GHS) classification of the substance/mixture: Do not get in eyes, on skin, or on clothing. Rinse skin or shower with water. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Not combustible. Use extinguishing media suited to burning materials.



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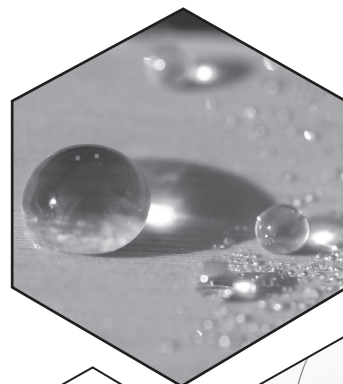
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GLUE AREA

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Batch Number



Date of Manufacture

