

**HARMFUL, ECOTOXIC**  
**KEEP OUT OF REACH OF CHILDREN**

**Ombre<sup>®</sup>**



**HERBICIDE**

Contains: 400 g/litre alachlor plus 40 g/litre clomazone in the form of a capsule suspension

**For selective pre-emergence weed control in Certain Fodder, Oil and  
Seed Brassicas, Peas, Squash and Pumpkins**

**Lonza**

**PLEASE READ THE ENTIRE LABEL BEFORE USE. SHAKE OR STIR WELL BEFORE USE.**

**HAZARD CLASSIFICATION:** 6.1D, 6.4A, 6.5B, 6.7B, 6.8B, 6.9A, 9.1A, 9.2A, 9.3C

Also contains 9% aromatic hydrocarbons

**APPROVED HANDLER:** This product must be under the control of an approved handler during use. See SDS for details.

**RECORD KEEPING:** Records of use as described in NZS 8409 Management of Agricultural Chemicals must be kept. See SDS for details

**DANGER:** May cause organ damage from repeated oral exposure at high doses.

**WARNING:** May be harmful if swallowed, inhaled or absorbed through the skin. May cause eye irritation, avoid contact with the eyes. May cause sensitisation from prolonged skin contact, avoid skin contact. Limited evidence of a carcinogenic effect in animal studies. May cause reproductive/developmental damage from repeated oral exposure.

**FIRST AID:** If swallowed DO NOT induce vomiting. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If spilt on the skin, remove contaminated clothing and wash affected areas of skin. DO NOT SCRUB THE SKIN. If concentrate is splashed in the eyes, flush with running water for at least 15 minutes. If inhaled move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped. Seek medical attention.

**PERSONAL PROTECTION:** When handling, wear waterproof gloves, eye protection, overalls and boots. DO NOT eat, drink or smoke while using. Wash thoroughly after use and before eating.

**ECOTOXIC:** Warning - Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container. Very toxic to the soil environment. Harmful to terrestrial vertebrates.

**STORAGE:** Store in original container, tightly closed, away from foodstuffs. Keep out of reach of children. Use spray solutions the same day.

**DISPOSAL:** Triple rinse empty container and add rinsate to the spray tank. If recycling, discard cap and deliver clean container to an Agrecovery depot. Alternatively crush and bury in an approved landfill. Dispose of product only by using according to this label, or at an approved disposal facility.

**SAFETY DATA SHEET:** Additional information is listed in the SDS available from Lonza NZ Limited or [www.lonza.co.nz](http://www.lonza.co.nz)

**Approved pursuant to the HSNO Act 1996,** No: HSR100912. See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions.

**Registered pursuant to the ACVM Act 1997,** No: P009209 See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions.

**GENERAL INFORMATION:**

Ombre is a selective, residual pre-emergent herbicide for use in controlling certain seedling weeds in brassicas, peas, squash and pumpkin. Ombre is taken up by the roots and shoots of susceptible germinating seedlings leading to eventual death.

**DIRECTIONS FOR USE:**

Ombre must be applied before or during weed emergence to control a range of annual grasses and broad-leaved weeds. For reliable weed control and crop safety Ombre must be applied after sowing (drilling) and before crop emergence. Apply Ombre to a freshly prepared, fine, moist, firm surface that is free of clods and trash. Weeds growing from old roots or from under clods, rocks or soil lumps will not be controlled. In dry soil conditions Ombre can be used as a pre plant soil incorporation treatment – see Soil Incorporation section.

**WEEDS CONTROLLED:** Susceptible weeds will be controlled under good conditions. Moderately susceptible weeds may require a higher rate for good control and some individuals may escape.

**Susceptible:** Annual poa, Barnyard grass, Bathurst bur, Black nightshade, Bristle grass, Chickweed, Chicory, Cleavers, Cornbind, Creeping mallow, Crowfoot grass, Fathen, Groundsel, Henbit, Perennial ryegrass, Purslane (*Portulaca*), Redroot (amaranthus), Shepherd's purse, Small flowered mallow, Sow thistle, Speedwell, Spurrey, Summer grass, Twin cress, White clover, Wireweed, Witch grass.

**Moderately susceptible:** Broad-leaved dock, Catchfly, Field pansy, Fumitory, Narrow-leaved plantain, Other mallows, Staggerweed, Storksbill, Vervain, Willow weed.

**Resistant:** Weeds emerging from root chips (e.g. dock), bulbs, stolons (e.g. clover) etc.

CROP		RATE	COMMENTS	CROP COMMENTS
Certain Brassicas grown for Fodder, Oil and Seed Production	Kale, Rape, Oilseed Rape, Swedes	3 to 5 L/ha	Apply as soon as possible after conventional sowing and before the emergence of the crop or the weeds.	Transient whitening may occur on young foliage (especially in turnips, pasja and raphanobrassica) but yield will not be affected. Do not use for weed control in crops sown in late Autumn as cool wet conditions will increase this effect. Raphanobrassica var. Pallaton has been fully tested. Contact your agronomist for information on other raphanobrassica varieties.
	Turnips, Pasja, Raphanobrassica	3 to 4 L/ha		
Swedes grown in Ridged seed beds		4 to 5 L/ha	Use a Cambridge roller to compact the ridge tops. Apply as soon as possible after conventional sowing and before the emergence of the crop or the weeds.	
Fodder brassicas (soil incorporated)		4 to 5 L/ha	Incorporate prior to sowing only if soil conditions are dry and rain is not expected.	
Peas		3 to 5 L/ha	Apply immediately after sowing.	Transient whitening may occur on young foliage but yield will not be affected. Cyanazine or terbuthylazine at label rates may be added to Ombre to broaden the spectrum.
Peas (soil incorporated)		5 L/ha	Incorporate prior to sowing only if soil conditions are dry and rain is not expected.	
Squash, Pumpkins		3 to 5 L/ha	Apply immediately after sowing. Do not surface blend.	Transient whitening may occur on young foliage but yield will not be affected. High rates on light textured soils, shallow seeding or heavy rain after application may result in crop injury. Early season planting under these conditions may increase crop damage.

**Compatibility:** Ombre can be tank mixed with insecticides based on chlorpyrifos such as Rampage encaps® and lambda-cyhalothrin such as Cyhella encaps®. Ombre can be tank mixed with knockdown herbicides based on paraquat. Ombre is NOT compatible with all knockdown herbicides based on glyphosate. Some 360g/L isopropyl-amine glyphosate formulations have been found to mix successfully. It is advised to conduct a bucket test before attempting any such mixture.

**Soil Type:** Use the higher rate on soils with a higher clay or organic matter content (CEC>20). Avoid use on very light soils (CEC<10) and/or very cold soils and/or very wet soils as excessive crop damage may occur. Weed control may be reduced on very heavy soils (CEC>30).

**Soil Moisture:** Up to 13 mm of rain or irrigation is required within 10 days of application to fully activate Ombre. If soil conditions are dry and rain is not expected within 10 days and irrigation is not available, then soil incorporate prior to sowing. See below.

**Mixing:** Shake or stir well before use. Add Ombre slowly through the filler screen to the partly filled spray tank. Fill tank with water and maintain agitation at all times including any stoppages. If the mixture is allowed to settle, thorough agitation will be required to re-suspend it. Do not store tank mixed product overnight. When applying mixtures, add each component separately and mix completely, adding Ombre last. Ombre is physically compatible with commonly used insecticides.

**Application:** Use conventional ground rig boom application equipment fitted with fan nozzles to deliver at least 200 litres of water per hectare in coarse droplets. Ombre can be applied via aerial methods but extra precautions such as drift control agents are advised.

**Soil Incorporation:** If soils are very dry and rain is not expected within 10 days, Ombre may be soil incorporated to a depth of 20 – 25 mm to achieve a level of control in marginal conditions. Use a roller tiller or similar equipment at a speed of not less than 10 km/hr soon after application but prior to sowing. Make two passes in different angled directions. Use the high rate when soil incorporating or using a ridged seed bed technique. Soil incorporation is not a substitute for moisture and consider switching to a post emergence herbicide system, e.g. Pycus, in very dry conditions.

**Drilling:** Where the crop is drilled prior to the application of Ombre, ensure that all seed is adequately covered. If the crop is direct drilled after application, weeds may germinate from the drill row as there may be insufficient contact with the herbicide as the weeds emerge.

**Transient Crop Whitening:** Ombre may cause treated crops (especially turnips at the high rate) to display whitening of the first few leaves. This is transient and no detrimental effects on subsequent growth or yield will occur unless plant growth is very slow due to cold, wet conditions.

**Off Target Whitening:** Ombre can cause whitening of desirable plants either by spray drift or volatilisation following product dilution or application. The capsule suspension formulation minimises without fully preventing this from occurring. The effects may last for a few weeks and plants usually grow out of it with no long term effects.

**Crop Rotation:** In the event of a crop failure within two months of sowing only re-sow brassicas and do not re-apply Ombre. Use a post emergence herbicide. Follow-on crops may be affected by Ombre when used in light soils (CEC<15, particularly under minimum tillage and dry conditions as it can persist for several months. Deep ploughing is recommended before re-cropping or if this is not practical avoid planting annual grasses or cereals. If herbicide persistence is suspected sow a small area of the intended crop to test for any negative effects such as leaf whitening before planting large areas.

**It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.**

**WITHHOLDING PERIOD:** Only use Ombre at the pre-crop and weed emergence period.

**RESISTANCE MANAGEMENT:** **GROUP K3 + F3 HERBICIDE**

Ombre contains alachlor, a chloroacetamide herbicide, with the inhibition of cell division mode of action plus clomazone, an isoxazolidinone herbicide, with the inhibition of carotenoid biosynthesis mode of action. Naturally occurring weed biotypes resistant to this herbicide could develop. These resistant weeds may dominate a population when Ombre or other related herbicides are used exclusively. To minimise any possible resistance risk use strictly in accordance with the label instructions and use alternative mode of action group herbicides at other times. For further information see: [www.resistance.nzpps.org](http://www.resistance.nzpps.org)

**NOTICE TO BUYER:** The manufacturer and vendors of Ombre warrant the formulation to contain the specified active ingredients within accepted tolerance but make no warranty of any kind on the uses of material and accept no responsibility, whether the material is used in accordance with the label directions or not.

**REGISTERED TO:** Lonza NZ Limited, Hudson Rd, New Plymouth, New Zealand.

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**EMERGENCY PHONE: 0800 CHEMCALL 0800 243 6225**