

**RESISTANT WEEDS WARNING:** Topra contains the **GROUP 27 HERBICIDE**, topramezone, and continuous use of herbicides in this group may lead to a build-up of weeds resistant to it. To prevent or delay resistance, alternate with a herbicide from another group if possible and adhere to label instructions. For more information, go to: <http://resistance.nzpps.org/>

**WEEDS CONTROLLED:** Broadleaf weeds - up to 8 leaf: Apple of Peru, black nightshade, broad-leaved dock (seedling), butterprint (velvet leaf), chamomile, chickweed, dandelion, fathen, fleabane, groundsel, large flowered mallow, scrambling speedwell, twin cress, white clover and willow weed.

**Grass weeds (up to 3 tillers):** Barnyard grass, smooth witchgrass, summer grass and yellow bristle grass.

**DIRECTIONS FOR USE:** Beware: Apply this product carefully. Spray drift may cause serious damage to other desirable plants. Restraints: DO NOT use on any crop not specified on the label.

Note: Spray volumes that will provide adequate coverage are 300-400 litres per hectare.

CROP	RATE	CRITICAL COMMENTS
Maize and Sweetcorn	200ml/ha	Apply to actively growing weeds before they reach the growth stages specified above. Ensure thorough coverage for best results. Use a minimum of 200 L/ha water. The addition of 500 g/ha of atrazine (e.g. 1 L/ha of a 50% liquid formulation or 555 g/ha of a 90% granular formulation) will improve the speed of knockdown and control of larger weeds. Under cool growing conditions, slight temporary chlorosis (yellowing) may occur. The crop will outgrow this and yield should not be affected.

**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 PERIODS:** Maize and sweetcorn : DO NOT apply after the crop has passed the 6-leaf stage (GS16). Maize silage/green feed: Allow 56 days between application and cutting or introduction of stock.

**ADJUVANTS:** Topra should be mixed with a suitable adjuvant such as esterified canola oil, unless tankmix partner product labels instruct otherwise.

**COMPATIBILITY:** Maize and sweetcorn: Topra is compatible with atrazine.

Maize only: Topra and atrazine and esterified canola oil are compatible in 4-way tank mixtures with either dicamba or water dispersible granule formulations of nicosulfuron. DO NOT use the 4-way tank mixtures on sweetcorn. Follow the directions of the partner product label.

**MIXING AND APPLICATION:** Half-fill the spray tank with clean water and start the agitation. Add the required amount of Topra directly into the partly filled spray tank with agitation operating. Rinse any empty containers thoroughly and add rinsate to the spray tank. Add partner herbicides and adjuvant. Complete filling and maintain agitation until spraying is completed. Topra can be applied through conventional spray equipment. Care must be taken to avoid drift. Ensure the water rate is sufficient for complete coverage of target weeds.

**DRIFT MANAGEMENT:** Avoid spray solution contacting any desirable plants. DO NOT apply when conditions favour drift, e.g. high winds or incorrect pressure and nozzle setup.

**RAINFALL:** Topra is rainfast once dried. DO NOT apply if rainfall is expected within 2 hours of application.

**TANK CLEANING:** To avoid injury to subsequent sprayed crops, thoroughly remove all traces of chemical from mixing and spraying equipment. Flush equipment thoroughly with water after use.

**SOIL RESIDUES:** When used as directed, Topra does not have long term residual activity. However, soil residues could affect subsequent crops and so crop rotation restrictions may apply. The following minimum follow-on crop (plantback) intervals should be observed:

- Wheat , Ryegrass, Carrot, Squash, Onions, Tomatoes: 2 weeks
- Radish: 4 weeks
- White clover and peas: 8 weeks
- Other crops: Pot test prior to planting or seek advice

Check the label of any partner herbicide mixed with Topra to determine any other plant back periods or restrictions on use.

		<b>UN3082. CLASS 9, PG III. ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TOPRAMEZONE).</b> Do not carry this product on a passenger service vehicle.
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**DANGER**  
KEEP OUT OF REACH OF CHILDREN  
READ LABEL COMPLETELY BEFORE OPENING OR USING

# Topra®

**A selective herbicide for the post-emergence control of certain broadleaf and grass weeds in maize and sweet corn**

Active Ingredient: contains 336g/litre topramezone in the form of a suspension concentrate

**GROUP 27 HERBICIDE**

Registered pursuant to the ACVM Act 1997 No. P10042  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions

In a transport emergency dial 111, Police or Fire Brigade.  
For specialist advice in an emergency only call:  
**0800 734 607 (24 hours)**



**Net Contents: 1 litre**



Approved under the HSN Act 1996, HSR101516.  
See [www.epa.govt.nz](http://www.epa.govt.nz) for controls.  
**Qualified Person/Contractor:** Required.

**DANGER:** Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects. Hazardous to soil organisms. Hazardous to terrestrial vertebrates.

**SAFETY DIRECTIONS:** Do not handle until all safety precautions have been read and understood. When mixing or applying wear appropriate clothing including impervious, elbow-length gloves and eye protection. Avoid contact with skin and eyes. Do not breathe dust, fumes, gas, mist, vapours or spray. Do not eat, drink or smoke while using. Wash hands and exposed skin before meals and after work.

Apply this product carefully. Ensure compliance with relevant regional air management plans. Apply with well-maintained and calibrated spray equipment. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area. Do not apply directly into or onto water.

DO NOT re-enter site until spray has dried. Avoid contamination of any water supply with chemical or empty container. A strategy to minimise spray drift should be employed at all times when applying spray near aquatic environments. This substance must be applied using ground-based methods only.

**APPLICATION CONTROLS:** The maximum application rate for Topra is 67g topramezone/ha per application, which equates to 200mL of formulated substance applied per hectare, with a maximum of one application per year. DO NOT apply when wind speeds are less than 3km/hr or more than 20km/hr as measured at the application site. This substance must be applied by ground-based methods only.

**STORAGE:** Store locked up in the original, unopened container in a cool, dry place, out of direct sunlight and away from stockfeed or foodstuffs. As a Class 9 Substance with Ecotoxicity Classifications, storage must be carried out in such a manner as to prevent contamination of waterways. It is recommended that The New Zealand Standard for the Management of Agrichemicals (NZS8409) is followed. See Safety Data Sheet for further information.

**DISPOSAL OF CONTAINER:** Triple rinse container and add residue to spray tank. Return empty container to an AgRecovery collection point for disposal. Dispose of this product only by using according to the label, or at an approved landfill or other approved facility.



**FIRST AID:** If medical advice is needed, have product container or label at hand. Get medical advice/attention if you feel unwell. If exposed or concerned: Get medical advice/attention.

**SPILLS:** Wear appropriate protective clothing and prevent material from entering waterways. Absorb spills with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely (such as to a suitable landfill).

**Batch No. and Manufacturing Date:** See on packaging

**Registered to and Distributed by:** Adria New Zealand Limited.

P.O. Box 535, 407 State Highway 16 Kumeu, Auckland. Ph: 09 412 9817. [www.adria.nz](http://www.adria.nz)

**Notice to Buyer:** Careful tests have proved that the product is suitable for the recommended purposes when used in accordance with our instructions. However, since storage and use of product are beyond our control, we do not therefore accept any liability for damage or loss of efficacy which may result from the use of this product, whether used in accordance with the directions or not. We are liable for a consistent quality of the product, but the risk of its storage and use is not borne by us.

**General Information:** Topra is a post-emergence herbicide for the control of a range of broadleaf and grass weeds in maize (silage and grain) and sweetcorn. Topra is taken up by leaves and roots, and moves within the plant, where it interferes with the synthesis of carotenoids. This leads to bleaching (chlorosis) of the leaves and typically, weeds die within two weeks of treatment. While Topra is systemic, thorough coverage of the target weeds is necessary for best results. Application to small, actively growing weeds when conditions are conducive to maximum photosynthesis (moist, warm, sunshine) is ideal.

