

DANGER
KEEP OUT OF REACH OF CHILDREN
READ LABEL BEFORE USE

Arietta[®]

Contains 336 g/litre topramezone in the form of a suspension concentrate

GROUP **27** HERBICIDE

A selective herbicide for the postemergence control of certain
broadleaf and grass weeds in maize and sweet corn

Contents: 1 L



Registered to and distributed by:

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Internal



BASF
We create chemistry

Barry



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.

PRECAUTIONS

HANDLING: The person mixing or applying this product must be a qualified contractor or qualified person. Any person mixing, loading or handling this product must be a qualified loader. Obtain special instructions before use. DO NOT handle until all safety precautions have been read and understood. Use personal protective equipment as required.

STORAGE: Store locked up in original container, tightly closed away from foodstuffs. Stores containing more than 100 litres require emergency response plans and secondary containment systems and are subject to signage.

TRANSPORT: DO NOT carry this product on a passenger service vehicle.

SPILLAGE: Collect spillage. Prevent any product from entering drains. Wear appropriate protective clothing. Absorb spill with an inert material (such as vermiculite, clay granules or synthetic absorbent) and place in a labelled, sealable container for disposal. Wash the spill area with water and detergent, then absorb the washings and place in the same sealable container. Dispose of the container in an approved landfill or in an approved facility.

PERSONAL PROTECTION: When mixing, or applying, wear cotton overalls buttoned to the neck and wrist, washable hat, impervious gloves, and goggles.

GENERAL SAFETY AND HYGIENE MEASURES: Avoid contact with eyes, skin or clothing and inhalation of spray mist. Do not breathe spray mist. Wash splashes of concentrate from skin and eyes immediately. DO NOT eat, drink, or smoke while using this product. Remove protective clothing and wash hands and exposed skin thoroughly with soap and water before meals and after work. Wash protective clothing immediately after use. Store work clothing separately.

USE AND ENVIRONMENTAL PROTECTION: Apply with well-maintained and accurately calibrated equipment. DO NOT apply directly into or onto water. 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 spray over, or allow drift over, surface water such as ponds, waterways, or drains. Clean out application equipment thoroughly after use. DO NOT contaminate water when disposing of equipment wash waters. Very toxic to the soil environment. ARIETTA may be applied at rates up to a maximum of 67 g topramezone (equivalent to 200 mL ARIETTA) / ha per application, with a maximum of one application per year.

RECORD KEEPING: Records of use must be kept if 3 kg or more of this substance is applied within 24 hours.

NOTE: Storage, application and record keeping must be as described in the current version of the New Zealand Standard for the Management of Agrichemicals NZS8409.

DISPOSAL: Container: Triple rinse empty container and add residue to the spray tank. Recycle the rinsed container through Agrecovery (0800 247 326, www.agrecovery.co.nz). Product: Dispose of this product only by using according to the label or at an approved landfill. DO NOT burn. DO NOT contaminate any water supply with product or used container.

FIRST AID

If exposed or concerned or you feel unwell: get medical advice / attention. For advice contact the National Poisons Centre 0800 POISONS (0800 764 766) or a doctor immediately.

CONDITIONS OF SUPPLY

Read conditions of supply before buying and using. If these conditions are unacceptable, return at once unopened. All goods supplied by BASF New Zealand Ltd. are of a high grade and conform to the chemical description of the label. However, to the extent permitted by law, neither BASF nor any of its Distributors accept any liability or responsibility whatsoever for any loss, damage or injury whether direct, indirect or consequential howsoever arising in connection with the supply of those goods including without limitation their storage, application, handling or use. BASF New Zealand Ltd. nor any of its Distributors, make no warranties of any kind, express or implied, with respect to fitness for purpose (including crop injury, ineffectiveness or any other unintended consequence), merchantable quality or any other matter with respect to these goods. When you are a consumer as defined in the Consumer Guarantees Act 1993 (the "Act") these conditions will be subject to the provisions of the Act. However, the Act will not apply to goods supplied to you for business purposes.

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EMERGENCY PHONELINK
24 Hour Advice in an Emergency Only
0800 944 955

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GENERAL INFORMATION

ARIETTA is a postemergence herbicide for the control of a range of broadleaf and grass weeds in maize (silage and grain) and sweet corn. ARIETTA is taken up by both leaves and roots, and transported within the plant where it interferes with the synthesis of carotenoids. This leads to bleaching (chlorosis) of leaves and weeds typically die within 14 days of treatment. Although ARIETTA is systemic, thorough coverage of the target weed is necessary for optimum results. Application to small, actively growing weeds when conditions are conducive to maximum photosynthesis (moist, warm, bright sunshine) is ideal.

WEEDS CONTROLLED

Broadleaf weeds (up to 8 leaves):

Apple of Peru, black nightshade, broad-leaved dock (seedling), butterprint (velvetleaf), 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.

RESISTANCE MANAGEMENT

ARIETTA contains topramezone, a herbicide from the 4-HPPD (4-hydroxyphenylpyruvate dioxygenase) mode of action group, **GROUP 27 HERBICIDE**. Resistance to topramezone and other Group 27 herbicides could develop from excessive use. To minimise this risk use strictly in accordance with label instructions. Frequency of application is to be strictly in accordance with the Directions for Use. ARIETTA should be used in a programme which incorporates effective herbicide products with different modes of action. Refer to the NZCPR web site < www.resistance.nzpps.org > for more detailed information.

DIRECTIONS FOR USE

Beware:

Apply this product carefully. Spray drift may cause serious damage to other desirable plants.

Restrains:

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	Remarks
Maize and Sweet corn	200 mL/ha	<p>Apply to actively growing weeds before they reach the growth stages specified.</p> <p>Ensure thorough coverage for best results. Use a minimum of 200 L/ha water.</p> <p>The addition of 500 gai/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.</p> <p>Under cool growing conditions, slight temporary chlorosis (yellowing) may occur. The crop will outgrow, and yield will not be affected.</p>





WITHHOLDING PERIOD

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.

Maize and sweet corn: 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

ARIETTA should always be used with a suitable adjuvant such as an esterified canola oil (e.g. Hasten™), unless tank mix partner product labels direct otherwise.

Compatibility

Maize and sweet corn: ARIETTA is compatible with atrazine and Hasten.

Maize only: ARIETTA, Hasten and atrazine are compatible in 4-way tank mixes with either dicamba, clopyralid or water dispersible formulations of nicosulfuron. DO NOT use these 4-way mixes on sweet corn. Follow the directions on the partner product label. Refer to your local BASF field representative for further information.

Mixing and Application

Half-fill the spray tank with clean water and start the agitation. Add the required amount of ARIETTA 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. ARIETTA 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

ARIETTA is rainfast once dried on the weed. 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 ARIETTA does not have long term residual activity, however soil residues could affect subsequent crops and so crop rotational restrictions may apply. The following minimum follow crop (plant back) 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 ARIETTA to determine any other plant back periods or restrictions on use.

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