

## Adria Crop Protection Solutions

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# Ventro® 750WG

For post-emergent control of perennial and annual grasses and broadleaf weeds in grain and silage maize crops.



**Active Ingredient:** 750g/kg Nicosulfuron

**Chemical Group:** GROUP 2 HERBICIDE

**Formulation:** Water dispersible granule (WG)

**Pack Size:** 500g

- ✓ Effective against couch and mercer grass.
- ✓ Controls summer grasses and barnyard grass.
- ✓ Also controls a range of broadleaf weeds.
- ✓ Highly cost-effective.

## About Ventro® 750WG

Ventro® 750WG is absorbed by foliage and translocated throughout the plant. Grass and broadleaf weeds will cease growing immediately, followed by discolouration and weed dieback.

For best results, warm and moist soil conditions, before and after application, will improve control. Maize stressed due to weather conditions may show a temporary yellowing or crop stunting.



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Ph: +64-9-412-9817; [www.adria.nz](http://www.adria.nz). Ventro® 750WG is a Registered Trademark of Adria New Zealand Limited and is Registered pursuant to the ACVM Act 1997, Approval No. P7603. Approved under the HSNO Act 1996, HSR007864.



## Product Information:

**Ventro® 750WG is rapidly absorbed by foliage and translocated throughout the weeds. Weeds stop growing immediately and discoloration of weeds occurs, followed by dieback that spreads slowly throughout the weed. Interaction with insecticides:** Do not apply to maize previously treated with soil-applied organophosphate insecticides or to maize that has been treated within 7 days before or after with foliar applied organophosphate insecticides, as severe crop injury may result.

### DIRECTIONS FOR USE IN MAZE:

**Couch control:** Use Ventro 750WG at 80g per hectare with the addition of Bonza® spray adjuvant at 500ml per 100 litres of spray volume. Apply when sufficient couch foliage is present for good coverage.

**Mercer grass (suppression):** Use Ventro 750WG at 110g per hectare with the addition of Bonza spray adjuvant at 500ml per 100 litres of spray volume. Apply when sufficient Mercer grass foliage is present for good coverage. Shading from a good crop canopy after application will improve control. In the following season, a subsequent application will improve overall Mercer grass control.

**Annual grasses:** Use Ventro 750WG at 50-80g per hectare. Use the low rate only if following a pre-emergence herbicide application and if weed pressure is low. Add a suitable tankmix herbicide with Ventro 750WG and use in soil areas where the organic matter level is low to medium. Add Bonza spray adjuvant at 500ml per 100 litres of spray volume.

NB. On summer grass use Bonza at 1L/100L of spray volume. Apply when sufficient grass foliage is present for good coverage.

**Broadleaf weeds:** Use Ventro 750WG at 50-80g per hectare. Use the low rate only if following a pre-emergence herbicide application and if weed pressure is low. Add a suitable tankmix herbicide with Ventro 750WG and use in soil areas where the organic matter level is low to medium. Add Bonza spray adjuvant at 500ml per 100 litres of spray volume. Mature weeds will not be adequately controlled.

**Oxalis (suppression):** Use Ventro 750WG at 80-110g per hectare. The higher rate will improve control. Add Bonza spray adjuvant at 500ml per 100 litres of spray volume.

### WEEDS CONTROLLED:

**Grasses:** Barnyard grass, Bristle grass, Couch, Crowfoot grass, Kikuyu, Pasture grasses (volunteers), Rough bristle grass, Smooth witchgrass, Summer grass, Wild oats.

**Broadleaf weeds:** Bathhurst bur, Black nightshade, Groundsel, Fathen, Furnitory, Redroot, Sow thistle, Thorn apple, Twincress, Water pepper, Wild portulaca, Willow weed.

### WEEDS SUPPRESSED:

**Grasses:** Mercer grass.

**Broadleaf weeds:** Apple of Peru, Bindweed, Buttercup, Californian thistle, Chicory, Dock, Clover, Oxalis, Potatoes (volunteers), Scotch thistle.

**Application Timing:** Broadleaf weeds; For best results, Ventro 750WG should be applied before weeds have reached the 4 true leaf stage. Weeds larger than 4 true leaf stage may only be suppressed.

**Grass weeds:** Apply when there is sufficient leaf area for good uptake but before the grass has formed a thick layer. Apply to **summer grass** at a maximum of three tillers or 75mm in length. The maize crop growth stage best for application is between the 2 and 8 leaf stage when the crop is growing vigorously without moisture stress.

**Caution:** Application to maize greater than 500mm in height risks crop injury.

**Soil residues:** To minimise soil residues, treated areas should be deeply cross cultivated to ensure maximum dispersal of residues. Ryegrass and small grain cereals should not be sown in areas treated within the previous 5 months.

**RESISTANT WEEDS WARNING:** Ventro 750WG contains the **GROUP 2 HERBICIDE**, nicosulfuron, 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/>

**Cultivation:** Do not cultivate during the 10 days before a Ventro 750WG application as this may decrease weed control by placing weeds under stress. The optimum timing for cultivation or side dressing of fertiliser is 7-14 days after a Ventro 750WG application.

**Caution:** Do not use on sweetcorn or popcorn. Do not use on field maize grown for seed unless tested on existing NZ varieties under NZ conditions.

**Weather conditions:** Warm, moist conditions and adequate soil moisture, both before and after application, will improve control. Maize stressed due to weather conditions may show a temporary yellowing or crop stunting. Ventro 750WG is rainfast 6 hours after application.

**Compatibility:** Ventro 750WG plus Bonza is compatible in tank mixtures with Nu-Trazine™ 900DF Flowable Atrazine 600 or Armada 800WG. Ventro 750WG may be tank mixed with Dicamba (applied to maize less than 30cm tall), or Emblem to increase broadleaf weed control, but Bonza spray adjuvant should not be used with these mixtures as there is a greater risk of crop injury (which can be minimized by the use of dropper nozzles). Grass weed control with Ventro 750WG may be reduced when Bonza is not used. Do not apply Ventro 750WG plus Bonza in tank mixture with Triffid™ growth enhancer.

**Mixing Instructions:** Prior to mixing Ventro 750WG, thoroughly rinse sprayer, tank, boom, hoses and nozzles with water. Pour Ventro 750WG into the spray tank half-filled with water. Complete water filling. Maintain a moderate agitation until the mix is applied. If adding other post-emergence herbicides and/or Bonza, add after Ventro 750WG is thoroughly mixed in the half-filled tank. Apply the spray mixture within 24 hours of mixing.

**Application:** Make sure that spray equipment is correctly calibrated. For best results ensure complete spray coverage of the weeds. Position the boom nozzles between the rows of maize. The use of droppers from the boom will improve target weed coverage. Do not overspray and do not apply Ventro 750WG into the maize whorls as crop damage may occur.

**Aerial and ground broadcast application:** Apply Ventro 750WG herbicide in 100-300 litres of water per hectare. Use the higher water rate where weeds are dense.

**CDA application:** Use a large (250-300 micron) droplet size and apply not less than 30 litres of water per hectare. CDA application may result in less effective weed control than conventional boom spraying.

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

**Withholding period:** Silage maize - 56 days.

**Sprayer Cleanup:** To avoid injury to subsequently sprayed sensitive crops, all traces of Ventro 750WG must be removed from mixing and spraying equipment immediately after spraying.

1. Drain tank, then flush tank, pump and boom with clean water for 10 minutes.
2. Fill tank with clean water and add 1 litre chlorine bleach (containing 3% sodium hypochlorite) per 100 litres of water. Agitate, flush through the system, allow to stand for 15 minutes with agitation engaged, then drain.
3. Repeat step 2.
4. Remove all nozzles and filters and clean separately. Thoroughly rinse tank and flush clean water through pump and boom to remove all traces of chlorine solution.