

Torus®

A herbicide for use as a tankmix partner with certain knockdown herbicides in order to broaden the weed control spectrum and improve efficacy against a range of broadleaf weeds, and for seed potato haulm desiccation.



Active Ingredient: 240g/litre carfentrazone-ethyl
Chemical Group: Triazolinone – GROUP E HERBICIDE
Formulation: Oil-in-water emulsion (EW)
Pack Size: 1 Litre

- ✓ Low use rate.
- ✓ Faster weed control & turnaround.
- ✓ Better control of weeds such as mallows, staggerweed, nettle and seedling storksbill.
- ✓ Non-residual.
- ✓ Nil grazing withholding period .

About Torus®

Torus® is the ideal partner for glyphosate or Nirvana® to improve the weed control spectrum and achieve a faster burndown. Torus® is particularly suited for pasture renovation and use in minimum tillage situations.

General Information:

Torus® acts as a synergistic herbicide when added to glyphosate, glufosinate-ammonium and other knock-down, non-selective herbicides. Torus rapidly reduces the burndown time when used in mixture with knockdown herbicides and also broadens the weed control spectrum and improves efficacy against various broadleaf weeds. Visual symptoms will generally be apparent within days. Torus will not control grass weeds.

Torus is most effective under ideal growth conditions, whereas efficacy will be impaired under extreme conditions such as moisture stress or very cold temperatures.

Compatibility: Torus is compatible with most commonly used knockdown herbicides such as glyphosate and glufosinate-ammonium. No other adjuvants are generally required.

Timing: Torus is mainly effective against small weeds and will generally be less effective against weeds which have grown past the 8-leaf stage.

Mixing: With the spray tank half-full of water, add the recommended volume of Torus to the spray tank, with agitation running at all times. Then add the recommended amount of knockdown herbicide (e.g. glyphosate) and a buffering agent if necessary to maintain an ideal water pH range.

Cleaning spray equipment after use:

Drain spray tank completely and flush system twice with clean water immediately after spraying. Discard rinse water on land already sprayed or on waste land away from desirable plants and water sources. If a susceptible crop is to be sprayed next, additional cleaning with detergent is recommended. In this case, after the initial flush with clean water, refill the spray tank adding an alkali detergent to make a 0.5 percent

solution. (e.g. – a low foam laundry detergent added at 500g/100 litres of water). Flush through the boom and hoses, and allow to stand with agitation engaged for 15 minutes. Drain the system and flush thoroughly with clean water.

Weeds Spectrum: Torus will significantly improve the control of certain broadleaf weeds such as Cleavers, Dandelion, Fathen, Field pansy, Mayweeds, Redroot, Scarlet pimpernel, Shepherds purse, Spurrey, Willow weed, Wireweed, as well as other broadleaf weeds.

Recommendations:

Use Situation	Torus Use Rate	Recommendations
Broad spectrum weed control prior to planting crops and/or before direct drilling new crops.	Tankmix 50-100ml/ha of Torus with glyphosate or glufosinate-ammonium (e.g. Nirvana) at the registered label rates of the companion herbicide. An adjuvant can be added to improve coverage and reduce spray drift.	Torus will significantly reduce the weed burndown time when tankmixed with knockdown herbicides such as glyphosate. Torus will also significantly improve the efficacy against many broadleaf weeds, particularly certain weeds which glyphosate and glufosinate-ammonium may be relatively weak against. The lowest recommended use rate can be used where the weeds are very small and actively growing. Use the higher rate on larger weeds. The efficacy of Torus may be compromised or reduced where weeds have shut down due to drought stress or other environmental conditions. Torus should only be applied as a tankmix partner with knockdown herbicides and should not be applied as a standalone herbicide.
Seed Potatoes - Dessication of Haulms	Apply 250ml/ha of Torus in mixture with a crop mineral oil and a non-ionic wetting agent at recommended label rates.	Torus can be applied from the onset of senescence. It is important that the spray application ensures thorough coverage of the crop. In potato crops with very vigorous haulms or where re-growth occurs following a single application, a second application may be necessary to achieve satisfactory desiccation. This may be the situation for certain potato varieties, because of inherent vigour. A minimum interval between applications of 7 days should be observed to achieve optimum performance. An alternative potato desiccant such as Diquat 200SL may be used prior to the application of Torus if there is a desire to bring forward the desiccation and harvest timing.

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

Grazing Withholding Period: Not required when used as directed. Grazing should be avoided, however, until weeds have died down. The recommendations and withholding period of the partner herbicide must be adhered to.

Seed Potatoes: 14 days. Exposed potato tubers must not be sprayed.