

## RECOMMENDED USES:

WEEDS CONTROLLED	RATE	CRITICAL COMMENTS
Annual Poa, asparagus seedlings, beaked hawksbeard, black nightshade, Calandrinia, chickweed, cleavers, clover seedlings, cornbind, daisy, dandelion, mouse-ear chickweed, musky storksbill, redroot, rough stalked meadow grass, scotch thistle, sow thistle, staggerweed, summer grass, spurrey, stinking mayweed, subterranean clover, wild turnip, willow weed and wireweed.	3-5 litres/ha	The lower rates indicated are appropriate when weeds are young, succulent and actively growing, or when the weed population is sparse and good coverage and penetration are possible.
Bristle grass, bur medic, catsear, chewings fescue, clovers, cut leaved Geranium, docks, fleabane, parsley piert, prairie grass, ryegrasses*, sheeps sorrel, storksbill, strawberry, twin cress and Yorkshire fog.	5-7.5 litres/ha	Use the higher rates when weeds are mature or the population is dense.
Broom, buttercups*, couch, field pansy, crowfoot grass, gorse, hawksbeard, kikuyu grass, mallows, paspalum, tall fescue, wild strawberry, willow herb and yarrow.	7.5-10 litres/ha	
Bracken, meadow rice grass, plantains, rape, rushes, sedges and Indian doab.	10 litres+/ha	

\*Hairy buttercups and some ryegrass strains are resistant.

## OTHER SITUATIONS:

SITUATION	RATE	DIRECTIONS FOR USE
<b>Berryfruit, raspberries and brambles</b> Primocane control	500-750ml per 100 litres water	Apply through cone nozzles in sufficient water to ensure complete coverage of primocanes. Apply as directed high volume spray to primocanes not exceeding 25cm in length. Avoid drift onto foliage of fruiting canes. Use the high rate on vigorously growing crops. The addition of a non-ionic surfactant is recommended. "Knockdown" takes approximately 10 days. Do not apply to plants before the first primocanes for the season have reached 15cm in length. Do not apply to plants under stress.
<b>Non-selective weed control</b> Non-crop land	7.5-10 litres in 300-500 litres of water/ha or 100ml/10L knapsack	Apply as a drenching spray to just before run-off. Residual herbicides may be added for long term weed control.
<b>Orchards, vineyards, citrus, grapes, kiwifruit, pipfruit and stone fruit</b>	Use a rate appropriate to the weeds present.	If the dilution rate is less than 1 litre/100 litres of water add an adjuvant at label rates. Apply in spring when the majority of weeds have germinated. Residual herbicides may be applied in mixture for longer term weed control. Avoid contact with foliage and immature bark of desirable plants.
<b>Stale seedbed –</b> Particularly where clover is a problem	3-5 litres in 200-300 litres of water/ha	Apply to seedling weeds and clover to achieve complete coverage. May be applied up to 1 day before crop emergence.

**Mode of Action:** A primarily contact herbicide which is taken in to the plant via the foliage and green stems and is not translocated. There is no action via the roots and no soil residual effect. Optimum activity is obtained under warm conditions favourable for active plant growth - 10°C+. **NIRVANA** disrupts ammonium metabolism in the plant shortly after application resulting in an accumulation of ammonium in plant cells and the inhibition of photosynthesis. Light and warm temperatures accelerate the rate of action. Early symptoms of pale yellow progress to wilting and death within 1-2 weeks.

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

**Crop:** Avoid contact with green parts of desirable plants including immature bark as damage may occur. Do not spray in temperatures below 10 degrees celsius. Do not mow or cultivate after treatment until weeds begin to die off.

**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:** 28 days all crops.

**Rainfall:** NIRVANA requires at least 6 hours drying to be fully effective.

**Surfactant:** Add a surfactant at label recommended rates when treating primocanes and when the dilution rate of **NIRVANA** is less than 1 litre per 100 litres of water.

**Compatibility:** May be tank mixed with most commonly used residual herbicides.

**Application:** Apply with equipment capable of achieving complete coverage of target plants. Use sufficient pressure to penetrate the weed mass.

**Sprayer Clean-up:** To avoid injury to subsequently sprayed sensitive crops, flush sprayer with several rinses of clean water after use.

**RESISTANT WEEDS WARNING:** Nirvana is a **GROUP H HERBICIDE** with the inhibition of glutamine synthetase mode of action. Naturally occurring weed biotypes can become more prevalent after many years of continuous use of these herbicides. To delay the onset of, or control resistant weeds, use in rotation with herbicides of a different mode of action. Since the occurrence of resistant weeds is difficult to detect prior to use Adria New Zealand Ltd accepts no liability for losses that may result from the failure of this product to control resistant weeds.

**DANGER**  
KEEP OUT OF REACH OF CHILDREN

# Nirvana®

**Non-selective herbicide for the control of grasses, broad-leaved weeds and clover.**

Active Ingredient: contains 200 g/litre glufosinate-ammonium in the form of a soluble concentrate.

**GROUP H HERBICIDE**

Registered pursuant to the ACVM Act 1997 No. P8007  
See 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: 20 litres**



## READ LABEL BEFORE USE



HSNO Classifications: 6.1E (Oral), 6.3A, 6.8B, 6.9A, 8.3A, 9.1C, 9.2B, 9.3C.  
Approved under the HSNO Act 1996, HSR100096. See www.epa.govt.nz for controls.

**DANGER:** May be harmful if swallowed. Causes skin irritation. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Causes serious eye damage. Harmful to aquatic life with long lasting effects. Toxic to the soil environment. Harmful to terrestrial vertebrates.

**SAFETY DIRECTIONS:** Keep out of reach of children. Read label before use. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe fumes, vapours or spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Use personal protective equipment as required. Collect Spillage. 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.

**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 clean, empty container to an AgRecovery site for disposal. Avoid contamination of any water supply with chemical or empty container.



**FIRST AID:** If medical advice is needed, have product container or label at hand. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If skin irritation occurs: Get medical advice/ attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. 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

**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.

**Beware:** Apply this product carefully. Spray drift may cause serious damage to other desirable plants. A strategy to minimize spray drift should be employed at all times when applying spray near aquatic environments.

