

# Discman CDA Biograde\*

A foliar applied, non-residual herbicide in a unique ready-to-use CDA formulation for the control of emerged weeds in amenity, and forest areas and near water



MAPP 12856. Contains 216 g/l glyphosate.

## What is CDA?

The Controlled Droplet Application (CDA) technique employed in applying this product is a method that eliminates the use of a conventional knapsack sprayer. Instead it uses a specifically designed battery operated sprayer with a spinning disk rotary atomiser that breaks up the spray solution precisely, resulting in a narrow and consistent droplet size which gives optimum coverage onto the plant leaf. This leads to improved spraying efficiency, eliminates waste, run-off and drift, helping safeguard the environment.

## What is Discman CDA Biograde?

Discman CDA Biograde is a unique formulation of glyphosate from Barclay and exclusive to Rigby Taylor in the UK for the control of a wide range of annual grasses and broad-leaved weeds, and perennial grasses and perennial broad-leaved weeds in amenity situations.

Many glyphosate formulations use tallow amines (1st generation surfactants) to assist the herbicide in penetrating into the plant tissue, but these can aggressively strip away the leaf wax layer damaging the plant cell structure preventing optimal movement of herbicide into the plant and down to the roots.

Discman CDA Biograde is a breakthrough in formulation chemistry, being the first non-irritant high concentration glyphosate in Europe that has a full surfactant loading, without using tallow amines. The formulation speeds up the penetration process and improves rainfastness by better adhesion on to the leaf surface. Consequently more glyphosate is able to penetrate into the plant tissue and translocate down to the roots resulting in a more rapid and effective kill of the weed. As the herbicidal formulation is able to enter the weed plant faster it is less likely to be washed off by rain, and under normal conditions rainfast time is only 30 minutes after spraying.

Additionally this product has been specially formulated for controlled droplet application use (droplet size 250 microns) and as a result delivers a high concentration of active ingredient (glyphosate) to the site of action but at a low application volume.

The formulation is ready to use so no water is required and no mixing or measuring out is necessary. This makes for accurate application of the herbicide, giving high efficacy that is very cost effective within a system that is simple, time efficient and easy to use by the operator.

The container holds 7 litres of product and at the standard application rate will cover 10,000 square metres (1 hectare). The special white pigment in the formulation not only helps in identifying the spray coverage on the target leaf whilst spraying, but also enables the operator to easily monitor the amount of product left in the container at any time. The ergonomically designed and robust packaging eliminates the need to carry high volumes of spray solution on the operator's back, maximising operator safety and cutting down on operation time.

Application rate litres per ha	Grams a.i. per hectare
7.0	1,512
10.0	2,160

### High concentration glyphosate

Ready to use CDA formulation – no water, no mixing, no overdosing

Unique non-irritant, biograde formulation giving greater efficacy

Low standard application rate – 7 litres/ha

Rapid absorption – rainfast only 30 minutes after application

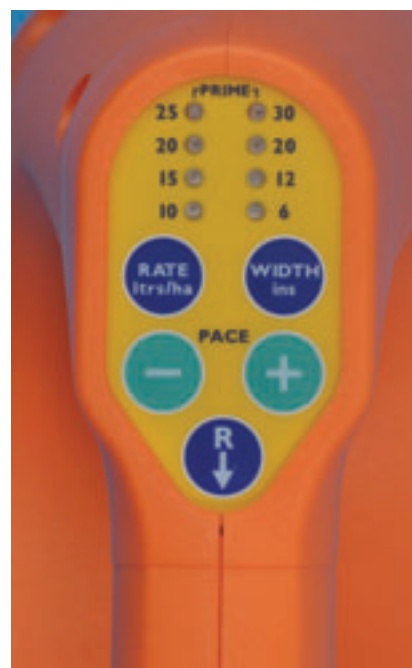
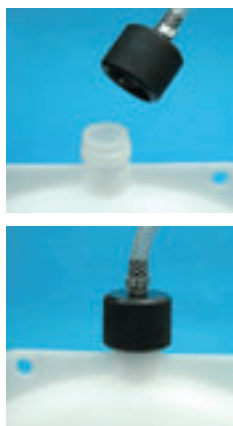
Non-hazardous COSHH classification

Ideal synergy with the Eliminator lance for easy application

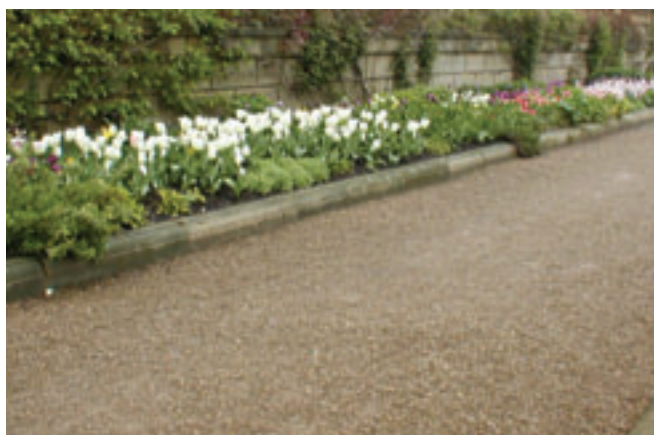
A high concentration of glyphosate is used (216g/l) which, linked to a low application rate, results in the amount of active ingredient applied per hectare being higher than for any other cda formulation, making it not only extremely effective but very cost efficient. The stable formulation ensures that the product does not settle out in storage.

## Eliminator Applicator Lance

Discman CDA Biograde can be used through the Eliminator lance by simply connecting the bottle containing the herbicide directly onto the lance and application can begin immediately without any water or mixing being necessary.



A peristaltic pump is built into the sprayer. This has the advantage of providing a consistent application rate with an optimum droplet size resulting in good coverage of the product to the target weed, particularly beneficial when applying to high-sided banks. When spraying is complete, product can be pumped back into the bottle so minimising wastage. The sprayer is self-calibrating so overdosing is eliminated.



## Where to use Discman CDA Biograde

The herbicide controls annual grasses and broad-leaved weeds, and perennial grasses and perennial broad-leaved weeds in a variety of situations including:

- \*Pavements
- \*Wall bases
- \*Fence lines
- \*Industrial sites
- \*Road edges
- \*Gravel paths
- \*Around buildings

## How to apply Discman CDA Biograde

The product can be used at any time of year when weeds are actively growing and have adequate leaf area to absorb the spray. Do not spray in frosty weather or in windy conditions.



Discman CDA Biograde must be applied with CDA equipment with an approved droplet spectrum (VMD min 200 microns). Choose a disc with a spray pattern appropriate to the task in hand:

Disk	Spray width	Spray characteristics
Spiral	Upto 30 cm	Coarse
Square	30-60 cm	Coarse
Serrated	More than 60cm	Fine

Perennial grasses are susceptible when tillering and new rhizome growth commences (normally 4-5 leaves).

Perennial broad-leaved weeds are more susceptible if treated at or near flowering, but will be severely checked if treated at any time during active growth.

It does not affect mature bark so can be used right up to the base of woody trees and shrubs.

### Rate of application

Discman CDA Biograde may be used on land immediately adjacent to aquatic areas.

Target Weed	Discman CDA Biograde	Area
Light vegetation and annual weeds	7 litres	1 ha
Established deep-rooted annuals, perennial grasses and broad-leaved weeds	10 litres	1 ha
Forestry/woodlands: Before planting – to control broad-leaved and grass weeds	8.5 litres	1 ha

Read the product label before use.

## Pack details of Discman CDA Biograde

Pack size: 5 litres (1588700/)

Pack coverage: 5,000-7,142m<sup>2</sup>

\*Discman CDA & Discman CDA Biograde are a registered trademarks of Barclay Chemicals Manufacturing Ltd. ALWAYS READ THE LABEL. USE PESTICIDES SAFELY.