



# Cortex Duo

## Herbicide

*Unique, non-selective,  
non-glyphosate,  
Dual Control Herbicide  
Technology*



### Product Overview

Cortex Duo is a non-selective knockdown and residual herbicide featuring 'Dual Control Herbicide Technology' to provide control of seedling and young broadleaf and grass weeds and suppression of established weeds and perennial species.

Cortex Duo is registered for use in and around paths, driveways, roadsides, sheds, gardens, amenity horticulture areas, protected cropping situations, nearby nursery stock, orchards and vineyards, fallow soils and forestry.

Is also registered for the control of Moss and Algae in a range of situations including gardens, paths, rockeries, tiled roofs, walls, driveways and around buildings.

Cortex Duo contains 525g/L Nonanoic Acid and 15g/L Oxyfluorfen and is an emulsifiable concentrate formulation.

### Key Features

- > Contains Dual Control Technology, multiple modes of action, reducing potential weed resistance issues.
- > Very broad spectrum of registered uses. Can be used in most weed control situations.
- > Non-glyphosate option for knockdown of weeds.
- > Rapid action, visible effects occurring within hours of treatment.
- > Provides residual control – up to 3 months.
- > Safe for use around established trees and ornamentals, as long as spray drift doesn't occur.
- > Low chemical scheduling – S5.
- > Effective on Moss and Algae as well as weeds.
- > Available in multiple pack sizes to suit all requirements and applications.

### Mode of Action

#### GROUP 14 HERBICIDE

Nonanoic Acid is a naturally-occurring saturated fatty acid. It works by stripping the waxy cuticle of the weeds, causing cell disruption, cell leakage, and death by desiccation. Nonanoic Acid has fast action weed control properties with visible effects from application occurring within hours of treatment.

Oxyfluorfen targets a specific enzyme, protoporphyrinogen oxidase (PPO), in the chlorophyll pathway. Inhibiting PPO in plants leads to an accumulation of phototoxic chlorophyll precursors which, in the presence of light, rapidly disrupt cell membrane integrity.



## Cortex Duo Herbicide – Use Rates & Label Recommendations

SITUATION	WEEDS	RATE	CRITICAL COMMENTS
Paths, driveways, roadsides, around sheds, gardens, amenity horticulture areas, protected cropping situations, around nursery stock	Seedling and young annual and perennial weeds and grasses including Amsinckia, barnyard grass, bellvine, camel melon, capeweed, chickweed, common cotula, common storksbill, couch grass, clover, crowfoot, deadnettle, fat hen, giant brome grass, groundsel, Indian Hedge mustard, lambs tongue, liverseed grass, peppergrass, pigweed, potato weed, perennial ryegrass, redshank, sowthistle, stinking roger, stink grass, stinging nettle, wild radish, whorled pigeon grass.	70 mL per litre of water	Spray to completely cover weed surface. Reapplication at around 14 days may be necessary if regrowth occurs. This product may damage lawn and turf when used as a spot spray. Perennial weed species may require repeated applications to obtain long term control. To control weeds in protected cropping situations apply on each side of the crop row taking care not to allow spray to contact any of the crop foliage.
Orchards and vineyards Fallow soil	deadnettle, fat hen, giant brome grass, groundsel, Indian Hedge mustard, lambs tongue, liverseed grass, peppergrass, pigweed, potato weed, perennial ryegrass, redshank, sowthistle, stinking roger, stink grass, stinging nettle, wild radish, whorled pigeon grass.	7 L per 100 litres water	Apply as a band spray 400mm wide on each side of the orchard or vine crop row. Apply at early vegetative stage of weeds. Best results are obtained at 4-8 leaf stage when weed canopy is less than 15cm in height. Established weeds may require more than one application. Repeat spray after 14 days if required. Spray over all weed foliage to ensure full foliage penetration and coverage. Partial foliage penetration or coverage will result in partial control.
Forestry	More advanced or established weeds may only be suppressed and require repeated application.	7 L per 100 litres water	To assist in site preparation apply at early vegetative stage of weeds. Best results are obtained at 4-8 leaf stage when weed canopy is less than 15cm in height. Established weeds may require more than one application. Repeat spray after 14 days if required. Spray over all weed foliage to ensure full foliage penetration and coverage. Partial foliage penetration or coverage will result in partial control.
Gardens, paths, rockeries, tiled roofs, walls, driveways, around buildings	Algae, Lichen, Liverwort, Moss	70 mL per litre of water	Spray to completely cover plant surface. For drives or heavy infestations, clean off by brushing after 3 days and reapply if necessary.



### Maximising performance

- > Spray to completely cover weed surface.
- > Perennial weed species may require repeated applications to obtain long term control. Repeat spray after 14 days if required.
- > Avoid application if weeds are wet.
- > Avoid application if rainfall is expected before spray deposits dry on plant surfaces.
- > Don't irrigate or water treated area for 24 hours to achieve maximum results. Don't irrigate to the point of run-off from soil for at least 3 days after application.
- > Avoid application if heavy rains or storms that are likely to cause runoff from soil are forecast within 3 days of application.
- > Avoid spray contacting or drifting onto desirable plants.
- > If applying via boom sprayer, the following requirements need to be met:
  - o Spray droplets should not be smaller than a COARSE spray droplet size.
  - o A buffer zone of 10m is applied for boom height above the target canopy of 1m or lower (but not 0.5m or lower).
- > To control weeds in Protected cropping situations apply on each side of the crop row taking care not to allow spray to contact any of the crop foliage.
- > **Mixing:** Half fill spray tank and commence agitation. Slowly add required amount of Cortex Duo. Top up with required quantity of water. Agitate well before commencing spray procedure. Do not mix more than is needed.

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Hong Kong | Singapore | Malaysia | Australia  
 Email: [info@centaur-asiapacific.com](mailto:info@centaur-asiapacific.com)  
 Website: [www.centaur-asiapacific.com](http://www.centaur-asiapacific.com)