

**Herbicide****Fast & Flexible Control of Tough Broadleaf Weeds**

Surefire Carfentrazone-ethyl 240 EC delivers rapid, targeted knockdown of tough-to-control broadleaf weeds across a wide range of **cropping, pasture, turf, and non-crop** situations. Its flexibility across cropping, turf, and pasture systems makes it a go-to solution for growers seeking efficiency without compromising rotational freedom.

**Key Features & Benefits**

Feature	Benefit
Group G Herbicide	Contact herbicide - disrupts cell membranes for rapid weed control.
Fast Acting	Symptoms are visible within 1-3 days; full desiccation in 3-5 days.
Broad Use Situations	Effective across cropping, turf, pastures, and industrial areas.
Tank Mix Compatible	Enhances glyphosate, paraquat, and other knockdown partners.
No Soil Residual Activity	No plant-back restrictions; safe for crop rotations.
Desiccation Use in Cotton	Effective regrowth control pre-harvest.
Flexible Application Methods	Suitable for boom, knapsack, handgun & aerial (cotton only).

**Weeds Controlled**

Marshmallow, Stinging Nettle, Wild Radish, Volunteer Cotton, Paterson's Curse, Capeweed, Subterranean Clover, Spiny Emex, Chickweed, Crassula, and more when tank-mixed with a knockdown partner.

*Herbicides often damage the main crop in weed control programs. Comparison of growth in treated and untreated pastures using Surefire Carfentrazone-ethyl 240 EC showed that there was no significant difference in fresh weights between the two treatments, indicating that it is safe for broadleaf weed control in common pastures and does not reduce the growth of these pastures.*

Treatment	mean fresh wt (g/plot) 21 days after treatment	
	Ryegrass (Lolium perenne)	Cocksfoot (Dactylis glomerata)
Carfentrazone 240 EC	11.9	10.6
Untreated control	11.2	10.8

## Situations & Use Areas

- Prior to sowing winter or summer broadacre crops
- Fallow & knockdown programs
- Turf and rough pasture management
- Orchard floors and inter-row areas
- Cotton desiccation (regrowth control)
- Public infrastructure, fence lines, sheds, and non-crop areas

Its versatility makes Surefire Carfentrazone a great fit for agronomists, growers, and contractors looking to keep weed pressure down without locking in residuals.

## How it Works

Carfentrazone-ethyl is a **protoporphyrinogen oxidase (PPO) inhibitor**, disrupting chlorophyll synthesis and causing oxidative stress in the plant cells. This results in rapid membrane disruption and cell death in broadleaf weeds — often visible within **2 to 24 hours** after spraying.

Since it has no systemic movement, achieving full spray coverage is crucial to obtain optimal results.

## Application Timing

- Apply to **actively growing weeds** in the **2 to 8-leaf stage**.
- Avoid application to stressed or droughted weeds.
- Best performance achieved with full coverage and use of an **adjuvant**.
- Use higher rates or combine with glyphosate/paraquat when targeting harder-to-kill species.

## Mixing & Compatibility

Compatible with Surefire knockdown and residual herbicides e.g:

- Surefire Glyphosate 450,
- Surefire Dicamba M, and
- Surefire 2,4-D Amine 625.

Recommended adjuvant: Surefire Wetter 600

## Application Methods

- Ground Boom: total volume of 150–50 L/ha (min. 80 L/ha for dense cotton).
- Aerial: Cotton only – min. 30 L/ha.
- Knapsack: 10 mL/100 L water + knockdown partner.
- Handgun: Wet weed surface to the point of run-off.

## Tank Hygiene

Use alkaline detergents (Reactor Tank Cleaner) for full clean-out and flush lines thoroughly — especially before spraying:

- Pulses (chickpeas, lentils, lupins).
- Canola.
- Other PPO-sensitive crops.

## Withholding Periods

- Harvest: Not required when used as directed.
  - Grazing: 14 days.
  - Cotton: 1 day before harvest.
- Do not** feed cotton trash to livestock.

## Packaging

Available in:

- 250 mL
- 1 L
- 5 L



Always refer to the Label for more information, contact your local PCT representative or visit: [www.pctrural.com.au](http://www.pctrural.com.au)