

Carfentrazone 240 EC

Similar to: *Hammer*[®]

| | | | | | |
|-------------------------------|---|-----------------------|---|---------------|------|
| Active constituent | Carfentrazone-ethyl 240g/L | | | Formulation | EC |
| Typical situations | Spike for pre-sowing and knockdown herbicide applications in broadacre crops and fallow. | | | | |
| Chemical group | 14 (G) | | | | |
| Mode of action | Rapid foliar uptake, poor translocation—disrupts chlorophyll production and destroys cell membranes. | | | | |
| Typical pack size | 10L | | | | |
| Poison schedule | 5 | Dangerous goods class | - | UN | - |
| Withholding period | Harvest Do not harvest cotton for 1 day after application. | | | | |
| | Grazing Do not graze or cut for hay for 14 days post application. | | | | |
| Plant back | N/A | | | | |
| Application method | Boom spray 50–150 L/ha. | | | Rain fastness | 1 hr |
| Efficacy | High water rates optimise results and good coverage is essential. Bright sunlight and warm temperatures enhance activity. | | | | |
| Adjuvants | Non-ionic wetter and crop oil. | | | | |
| Compatibility | Glyphosate, Paraquat, Glufosinate, Atrazine, 2,4-D Amine and Ester, Triasulfuron, Pendimethalin, Simazine and Trifluralin. | | | | |
| Incompatibility | - | | | | |
| Water quality | Muddy, saline, and hard water all reduce efficacy. | | | | |
| Time to effects and symptoms | Within hours—follage shows signs of desiccation and in subsequent days, necrosis, and death of the plant. | | | | |
| 4F Broadacre registrations | Pre-sowing broadacre crops, fallow, cotton, and grass pastures (see label). | | | | |
| 4F Other registrations | Commercial, industrial, non-agricultural areas, and horticulture (see label). | | | | |
| Similar product registrations | <i>Hammer</i> [®] as above, <i>Affinity Force</i> [®] is registered for broadleaf control in winter cereals*. | | | | |

| Situation | Target Weed/s | Rate/ha | Comments |
|------------------------------|---|--------------------------------------|--|
| Prior to sowing winter crops | Crassula, capeweed, doublegee, marshmallow, Paterson's curse, wild radish | 75ml + knockdown at recommended rate | Used as a spike with knockdowns. |
| Grass pasture (no clover) | Marshmallow, annual nettles | 75ml + Hasten 0.5% | May only suppress marshmallow. Be cautious if desirable clover is present. |

Comments

- Carfentrazone is most often used as a spike with knockdowns for difficult weeds such as marshmallow.
- Low rates are recommended (around 30ml/ha) when using as a spike with Glyphosate. Carfentrazone shuts down plant metabolism and can limit Glyphosate translocation, thus reducing its efficacy.
- Rates assume weeds are not hardened, stressed, or heavily grazed and under good growing conditions.
- **Do not** apply aerially (excepting for cotton desiccation).

*Similar products—different formulations with the same active ingredient (e.g. *Affinity Force*[®])—are registered for tank-mix use with MCPA amine for post-emergent broadleaf control in cereals (later than 3 leaf stage).

