

# The Perfect Pre-emergent Partner in Vegetables

**Magister® CS**  
HERBICIDE

Magister® CS herbicide is the perfect partner pre-emergent herbicide for use against certain broadleaf and grass weeds in Carrots, Peas, Pumpkin, Buttercup Squash, Potatoes, Dwarf Green Beans and pre-transplant of vegetable Brassicas.

## Active Ingredient

360 g clomazone in the form of a capsule suspension.

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Weed pressure can rob yield and quality from a crop. Good early weed control sets up a crop to help achieve its yield potential.

## Mode of action

GROUP	F3	HERBICIDE
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Taken up via plant roots as they emerge. May also be taken up through the foliage of very small weeds which are present at the time of treatment. Weeds will often emerge and then turn necrotic soon after exposure to light.

## Features

- Unique Capsule Suspension formulation – less volatile, just as active.
- Short residual herbicide that causes bleaching or whitening on susceptible plants for good weed control.
- A systemic herbicide taken up through roots and emerging shoots of weeds.
- Controls tough weeds.
- Highly compatible with other major herbicides used as a tank mix or in sequence.

## Benefits

- Control weeds before they compete with the crop.
- Can eliminate hand and mechanical weeding.
- Control of tough weeds including Shepherds Purse, Chickweed, Cleavers, Nightshade, Wireweed etc.
- Complements other pre-em tank mix partners, eg Frontier\*, Linuron\*, Prometryn\*, Terbutylazine\*, Trifluralin\* (incorporate with Magister® CS for Peas & Beans).
- Cost effective.

## Getting the best out of Magister® CS

- Ensure moisture activation (10-15 mm required to activate Magister® CS).
- Apply to a good seed bed free of weed and stubble.
- Use the lower rate on light soils with low organic, low CEC. **DO NOT** use on sandy soils.
- Expect some whitening of the crop on lighter soils and after heavy rainfall. With good growing conditions, crop will rapidly grow through this transitory whitening.
- Herbicides such as glyphosate may be added to control emerged weeds pre-emergence of crop.
- **DO NOT** apply in cold, wet, slow growing conditions and/or declining soil temperatures.



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SUSCEPTIBLE WEEDS #	MODERATELY SUSCEPTIBLE	RESISTANT
Barnyard grass	Black nightshade	Clovers
Chickweed	Fathen (if moisture available)	Docks
Cleavers	Fumitory	Field Pansy
Cornbind	Mallows	Mayweeds
Groundsel	Redroot	Oxalis
Henbit	Spurry (Yarr)	
Portulaca	Willow weed	
Shepherd's purse		
Sowthistle		
Speedwells		
Summer grass		
Twin cress		
Wireweed		

#Subject to rate, soil type and adequate moisture to activate Magister® CS.

**Susceptible Weeds will not be controlled if:** Emerged before treatment, growing on old root systems or they emerge through untreated soil (open drill slots, growing from under clods).



^ Use of Magister® CS on Chinese cabbage and other vegetable brassicas species not mentioned above is not recommended as crop damage from Magister® CS is likely.

CROP	RATE/HA	COMMENTS
Carrots	250 - 330 mL	Apply pre emergence in combination with a suitable carrot herbicide (e.g. Linuron*)
Dwarf Green Beans	660 mL	Apply 660 ml per hectare prior to crop emergence. Use a suitable partner herbicide e.g. Frontier*, at recommended label rates for a broader spectrum of weed control.
Peas	250 mL - 660 mL	Apply prior to crop emergence. Use a suitable partner herbicide e.g. Cyanazine* or Terbutylazine* at recommended label rates for a broader spectrum of weed control. Use the light rate on light soils (silts, loams) and higher rates on heavy soils (clay loams) and soils high in organic matter (peats) and where moderately susceptible weed species are present.
Pumpkins, Buttercup Squash		Use the light rate on light soils (silts, loams) and higher rates on heavy soils (clay loams) and soils high in organic matter (peats).
Potatoes	250 mL – 330 mL	Applied in combination with a suitable potato herbicide (e.g. Gesagard* 500FW, Topogard* 500FW, Linuron* or Sencor* DF) at its lowest registered rate, after ridging but before crop emergence.
<b>Vegetable brassicas</b> <sup>^</sup> Broccoli, Brussels Sprouts, Cabbage, Kohlrabi	250 mL – 330 mL	Applied in combination with a suitable partner as soon as possible

**Need help? Contact FMC Agricultural Solutions New Zealand Phone: 0800 658 080**

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