



ADAMA

Quali-Pro® Crest®

The safe, broadleaf weed specialist

Product Overview

Quali-Pro® Crest® is a versatile herbicide that controls a range of key broadleaf weeds including White Clover, Bindii, Pigweed and Sowthistle in most established warm and cool season turfgrasses. Quali-Pro® Crest® is an ideal first choice for turf safety, particularly in buffalo, zoysia and kikuyu, where other Group 2 and Group 4 chemicals may cause phytotoxicity.

GROUP 2 | 4 HERBICIDE

Mode of Action

Quali-Pro® Crest® contains 100g/L fluroxypyr and 2.5g/L florasulam, in a unique suspo-emulsion formulation.

Fluroxypyr is a group 4 herbicide that works by inducing auxin-type responses in susceptible annual and perennial broadleaf weeds (auxin being a type of plant hormone).

Once absorbed into the plant, it accumulates in growing tissues to higher concentrations than the native auxin does, and degrades more slowly. Plant growth is disrupted by the regulation of cellular growth process following binding of fluroxypyr to plant auxin receptor sites.

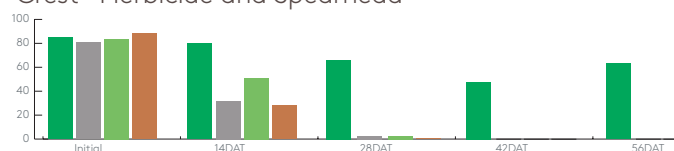
Fluroxypyr also interferes with the plant's ability to metabolise nitrogen and produce enzymes. When a plant's strict growth regulation is disrupted in this fashion, plant growth becomes disorganised, disrupting key metabolic process and results in plant death.

Florasulam is a group 2 herbicide that works by inhibiting acetolactate synthase (ALS) in plants. ALS is found in the chloroplast where it catalyses branch chained amino acid synthesis. Inhibition of ALS results in inhibition of plant cell division, decreased plant growth and ultimately, plant death.

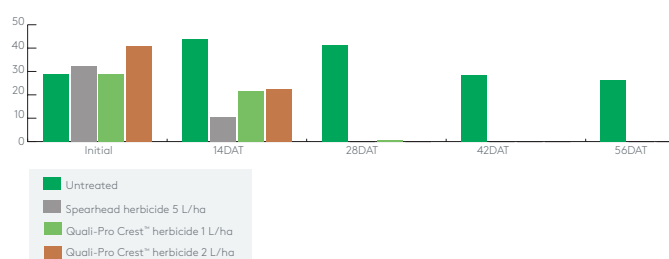


Field trial performance with Quali-Pro® Crest® Herbicide

% White Clover population following treatment with Crest® Herbicide and Spearhead



% Bindii population following treatment with Crest® Herbicide and Spearhead



HERBICIDE

Quali-Pro[®] Crest[®]

At a glance

| | |
|-----------------------------------|---|
| Schedule 5, low odour formulation | Safer for use in public environments |
| Excellent turf safety | May be used on a wide variety of warm and cool season grass types, including common and hybrid green couch, Qld blue couch, zoysia, buffalo grass, bent grass, tall fescue and perennial rye grass (not creeping bent grass golf or bowling greens) |
| Wide variety of areas for use | Turf farms, golf course tees, fairways and roughs, sports fields, municipality parks, roadsides, commercial and residential lawns. |
| Useful rotation tool | An effective rotational tool from Group 6 herbicides (e.g. bromoxynil) or solo applied Group 2 herbicides |

Use rates

| | |
|------------------------------|--|
| White Clover, Bindii | 1 to 2L in 200 to 500L of water per hectare |
| Bathurst Burr, Noogoora Burr | 1.5L in 200 to 500L of water per hectare |
| Marshmallow, Sow Thistle | 2L in 200 to 500L of water per hectare. |
| Pigweed | 1L to 1.5L in 200 to 500L of water per hectare |



Bindii
(*Soliva sessilis*)



Marshmallow
(*Malva paviflora*)



Sowthistle
(*Sonchus oleraceus*)



White Clover
(*Trifolium repens*)



Pigweed
(*Portulaca oleracea*)

How to get the best results from Quali-Pro[®] Crest[®]

- **Best control will be from application to actively growing weeds with adequate soil moisture.**
- **Weed death will generally take longer when an application is made during winter** (up to 4-6 weeks during May -August).
- **The key to effective weed control is coverage.** Ensure thorough coverage of the weed to wet foliage but avoiding excess runoff. Use the higher rate for dense weed populations.
- **The addition of a non-ionic surfactant** at label rates may improve weed control.
- **A repeat application may be needed in 4 to 6 weeks if lower rates are used in high weed pressure situations or during extended germination periods due to environmental conditions**
- **DO NOT** apply to turf under stress from drought, waterlogging, extreme hot or cold temperatures or injury from other chemicals or fertilisers.
- **Some transient discoloration may occur in desirable turf if sprayed at top rate (2L/ha)**
- **DO NOT** apply to newly seeded or sprigged turf. Wait until turf is established or injury may result.



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