

### 13. SPECIFIC GUIDELINES FOR GROUP K HERBICIDES

GROUP	K	HERBICIDE
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**Moderate resistance risk**

Globally herbicide resistance to the Group K herbicide mode of action has been confirmed and documented in 5 weed species across 7 countries

Resistance to Group K herbicides in Australia has developed in one population of annual ryegrass. Further development of resistance in the near future is likely given the reliance on Group K herbicide chemistry for weed control across large areas of Australia..

Where possible, avoid the use of Group K herbicides on dense ryegrass populations. Consider using alternative methods of weed control to reduce weed numbers before applying herbicides.

Use Group K herbicides at robust rates eg the maximum label rates to ensure high levels of weed control particularly when targeting annual ryegrass.

To assist in delaying the onset of resistance, rotate Group K herbicides with herbicides from other modes of action.

All the above recommendations should be read in conjunction with the [Integrated Weed Management \(IWM\) strategies](#)

CHEMICAL FAMILY	ACTIVE CONSTITUENT (FIRST REGISTERED TRADE NAME)
<b>GROUP K</b>	<b>Inhibitors of cell division / Inhibitors of very long chain fatty acids (VLCFA inhibitors)</b>
<i>Acetamides:</i>	napropamide (Altiplano <sup>®</sup> , Devrinol <sup>®</sup> )
<i>Chloroacetamides:</i>	dimethenamid (Frontier <sup>®</sup> -P, Outlook <sup>®</sup> ), metazachlor (Butisan <sup>®</sup> ), metolachlor (Boxer <sup>®</sup> Gold*, Dual <sup>®</sup> Gold, Primextra <sup>®</sup> Gold*), propachlor (Prothal <sup>®</sup> , Ramrod <sup>®</sup> )
<i>Isoxazoline:</i>	pyroxasulfone (Sakura <sup>®</sup> )

\* ***This product contains more than one active constituent***

List of chemical families, approved active constituents and, in parenthesis, the trade name of the first registered product or successor. Refer to the APVMA website ([www.apvma.gov.au](http://www.apvma.gov.au)) to obtain a complete list of registered products from the PUBCRIS database.

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Advice given in this strategy is **valid as at 22 June 2018**. All previous versions of this strategy are now invalid.  
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