

Herbicide Resistance Management Strategies
Developed by the CropLife Australia Herbicide Resistance Management Review Group
 Valid as at 25 June 2015

SPECIFIC GUIDELINES FOR GROUP F HERBICIDES

GROUP	F	HERBICIDE
-------	---	-----------

Moderate resistance risk

Resistance to Group F herbicides is known for a number of populations of wild radish and Indian hedge mustard. Resistance has generally occurred after a long history of use of Group F herbicides. The number of populations with Group F resistance is increasing following increased use of these herbicides.

Group F includes herbicides that reduce carotenoid biosynthesis through inhibition of phytoene desaturase (PDS).

Avoid applying Group F herbicides in any two consecutive years unless one application is a mixture with a different mode of action that is active on the same weed, or a follow up spray is conducted (using a different mode of action) to control escapes. Always use the label rate of herbicide whether or not a single active ingredient (eg. Diflufenican) or combinations of active ingredients are applied (eg. Diflufenican/MCPA, picolinafen/MCPA), apply to weeds at the labeled growth stage and ensure that no weeds set and shed viable seed. Control survivors to prevent seed set with a herbicide with a different Mode of Action to Group F or use another weed management technique.

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

GROUP F	Bleachers: Inhibitors of carotenoid biosynthesis at the phytoene desaturase step (PDS inhibitors)
<i>Pyridazinones:</i>	norflurazon (Solicam [®])
<i>Pyridinecarboxamide:</i>	diflufenican (Brodal [®] , Chipco Spearhead [®] *, Jaguar [®] *, Tigrex [®] *, Triathlon [®] *, Yates Pathweeder [®] *), picolinafen (Eliminar C [®] *, Flight [®] *, Paragon [®] *, Sniper [®])

*** 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) to obtain a complete list of registered products from the PUBCRIS database.

This strategy is a guide only and does not endorse particular products, groups of products or cultural methods in terms of their performance. Always follow the product label for specific use instructions. While all effort has been taken with the information supplied in this document no responsibility, actual or implied, is taken for the day to day accuracy of product or active constituent specific information. Readers should check with the Australian regulator's (APVMA) product database for contemporary information on products and actives. The database can be sourced through www.apvma.gov.au. The information given in this strategy is provided in good faith and without any liability for loss or damage suffered as a result of its application and use.

Advice given in this strategy is **valid as at 25 June 2015**. All previous versions of this strategy are now invalid.

Phone: 02 6230 6399 Email: info@croplife.org.au Fax: 02 6230 6355 Website: www.croplife.org.au