

Tech Note

New Fungicide Group Change

August 2008

We have been notified that there will be a complete overhaul of the fungicidal groupings in order to further refine resistance management.

Refer Attachment: Crop Life Australia – Proposed Fungicide Group Changes

Crop Life Australia has proposed this revision in order to manage fungicide resistance. Changes are expected to be implemented towards the end of the year.

“Crop Life, through its Fungicide Resistance Management Review Group, assess all new fungicide actual constituents to determine the appropriate activity group and the APVMA supports the role of Crop Life experts in matters of fungicide activity grouping.”

Coppox WG and Microsul WG Elite for example were both Group Y (Multi-site inorganic).

Coppox WG will be amended to M1 whereas Microsul WG Elite will be M2.



Registrants will be given three years to update labels to show the new activity group.

Regards,

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**CropLife Australia Fungicide Resistance Management Review Group
Activity Group Table as at INSERT DATE – Draft Date 28 July 2008**

Proposed Activity Group Code	Activity Group	Chemical Family	Active Constituent	Trade Name* (Product name)	Current Australian Activity Group Code
1	<i>Methyl Benzimidazole Carbamates</i>	<i>Benzimidazole</i>	carbendazim	<i>various</i>	A
			thiabendazole	<i>various</i> e.g. Tecto®	
		<i>Thiophanates</i>	thiophanate-methyl	<i>various</i> e.g. Banrot®	
2	<i>Dicarboximide</i>	<i>Dicarboximide</i>	iprodione	<i>various</i> e.g. Rovral®	B
			procymidone	<i>various</i> e.g. Sumisclex®	
3	<i>DMI</i>	<i>Imidazole</i>	imazalil	<i>various</i> e.g. Fungaflor®	C
			prochloraz	<i>various</i> e.g. Octave®	
		<i>Piperazine</i>	triforine	<i>various</i> e.g. Sapro®	
		<i>Pyrimidine</i>	fenarimol	Rubigan®	
		<i>Triazole</i>	bitertanol	Baycor®	
			cyproconazole	Alto®	
			difenoconazole	<i>various</i> e.g. Score®, Dividend®	
			epoxiconazole	<i>various</i> e.g. Opus®	
			fluquinconazole	<i>various</i> e.g. Jockey®	
			flusilazole	<i>various</i> e.g. Nustar®	
			flutriafol	<i>various</i> e.g. Armour®	
			hexaconazole	<i>various</i>	
			myclobutanil	<i>various</i> e.g. Systhane®	
			penconazole	Topas®	
			propiconazole	<i>various</i> e.g. Tilt®	
			prothioconazole	Redigo®	
			tebuconazole	<i>various</i> e.g. Raxil®, Folicur®	
			tetraconazole	Domark®	
tridimefon	<i>various</i> e.g. Bayleton®				
triadimenol	<i>various</i> e.g. Bayfidan®, Baytan®				
triticonazole	<i>various</i> e.g. Premis®				

* 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.

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Proposed Activity Group Code	Activity Group	Chemical Family	Active Constituent	Trade Name* (Product name)	Current Australian Activity Group Code
4	Phenylamide	Acylalanine	benalaxyl (+ mancozeb)	Galben®M	D
			furalaxyl	Fongarid®	
			metalaxyl	various e.g. Ridomil®, Apron®	
			metalaxyl-m	various e.g. Ridomil® Gold, Apron XL®	
		Oxazolidinone	oxadixyl (+ propineb)	Rebound®	
5	Amines (Morpholines)	Spiroketalamine	spiroxamine	Prosper®	E
7	Carboxamides	Oxathiin carboxamides	carboxin	various e.g. Vitavax®,	G
			oxycarboxin	Plantvax®	
		Phenyl benzamides	flutolanil	Moncut®	
		Pyridine carboxamides	boscalid	Filan®	
8	Hydroxy-(2-amino-) pyrimidine	Hydroxy-(2-amino-) pyrimidine	bupirimate	Nimrod®	H
9	Anilinopyrimidine	Anilinopyrimidine	cyprodinil	Chorus®	I
			pyrimethanil	various e.g. Scala®	
11	Quinone outside Inhibitors (QoIs)	Methoxy acrylate	azoxystrobin	various e.g. Amistar®, Dynasty®	K
		Oximino acetates	kresoxim-methyl	Stroby®	
			trifloxystrobin	Flint®	
		Methoxy carbamate	pyraclostrobin	Cabrio®	
12	Phenylpyrroles	Phenylpyrroles	fludioxonil	Maxim®	L
13	Quinolines	Quinolines	quinoxifen	Legend®	M
14	(Aromatic Hydrocarbons) (chlorophenyls, nitroanilines)	Aromatic hydrocarbons	quintozene	various e.g. Terraclor®	Y
			tolclofos-methyl	various e.g. Rizolex®	X
	heteroaromatics	1,2,4-thiadiazole	etridiazole	Terrazole®	X
17	Hydroxyanilide	Hydroxyanilide	fenhexamid	Teldor®	J
20	Phenylureas	Phenylureas	pencycuron	Monceren®	X
28	Carbamate	Carbamate	iodocarb	various	Y
			propamocarb-hydrochloride	Previcur®	
29	Unspecified	2,6-dinitro-anilines	fluazinam	various e.g. Shirlan®	Y

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Proposed Activity Group Code	Activity Group	Chemical Family	Active Constituent	Trade Name* (Product name)	Current Australian Activity Group Code
33	Phosphonates	Ethyl phosphonate	fosetyl-al	Aliette®	Y
			phosphorous acid	various e.g. Foli-R-Fos®	
40	Carboxylic acid amides	Cinnamic acid derivative	dimethomorph	Acrobat®	X
M	Multi-site activity	Inorganic	chlorine dioxide	Vibrex ®	Y
			hydrogen peroxide + peroxyacetic acid	Peratec®	
			iodine	various	
			mercury	Shirtan®	
			sodium metabisulphite	Osku-vid®	
		Hydroxyquinoline	8-hydroxy quinoline sulphate	Staehler Grafting Wax	
M1	Multi-site activity	Inorganic	copper cuprous oxide	various	Y
			copper hydroxide	various e.g. Kocide®	
			copper oxychloride	various e.g. Oxydul®	
			copper ammonium acetate	Liquicop®	
			tribasic copper sulphate	Tri-Base Blue®	
			copper octanoate	Tricop®	
M2	Multi-site activity	Inorganic	sulphur	various e.g. Thiovit®, Kumulus®	Y
M3	Multi-site activity	Dithiocarbamate	mancozeb	various e.g. Dithane®	Y
			metiram	Polyram®	
			thiram	various e.g. Thiram®	
			propineb	various e.g. Antracol®	
			zineb	Zineb®	
			ziram	various e.g. Ziram®	
M4	Multi-site activity	Phthalimide	captan	various e.g. Captan®	Y
M5	Multi-site activity	Chloronitriles	chlorothalonil	various e.g. Bravo®	Y
M6	Multi-site activity	Sulfamide	tolylfuanid	Euparen Multi®	X
M7	Multi-site activity	Guanidine	dodine	Syllit®	Y
			guazatine	various e.g. Panoctine®	
M9	Multi-site activity	Quinone (anthraquinone)	dithianon	various e.g. Delan®	Y

Note: - Some products are mixtures of fungicides from different activity groups. These appear only once in the table.
 - If multiple trade names exist, the trade name entry is listed as various and the first registered trade name included.
 ® Registered trademark

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Advice given in this strategy is valid as at **INSERT DATE**. All previous versions of this strategy are now invalid.
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