



CROP PROTECTION

CROP PROTECTION (i)

FUNGICIDES

KEY - 1K = 1,000				
Product	Active Constituent	Group	Pack	
ACROBAT	500 g/kg dimethomorph	X	1.5	kg
ADVANCE	400 g/L carboxin + 3.2 g/L cypermethrin (3A)	G	10	L
AERO FUNGICIDE	550 g/kg metiram + 50 g/kg pyraclostrobin	Y + K	5	kg
AGRI-FOS 600	600 g/L phosphorous acid	Y	5, 20, 200, 1K	L
ALIETTE WG	800 g/kg fosetyl as aluminium salt	Y	1	kg
ALTO 100 SL	100 g/L cyproconazole	C	5	L
AMISTAR IN FURROW	Registration pending			
AMISTAR SC	250 g/L azoxystrobin	K	5	L
ANTRACOL	700 g/kg propineb	Y	1, 25	kg
APRON XL 350 ES	350 g/L metalaxyl-M	D	1, 20	L
AURORA 250 EC	250 g/L propiconazole	C	5, 20	L
AURORA TURF	250 g/L propiconazole	C	1	L
AXIOM MZ 720	640 g/kg mancozeb + 80g/kg metalaxyl	Y + D	7.5	kg
AXIOM PLUS	350 g/kg cu as copper oxychloride + 150 g/kg metalaxyl	Y + D	7.5	kg
BANNER MAXX	155g/L propiconazole	C	5	L
BANROT 400 WP	250 g/kg thiopanate-methyl + 150 g/kg etridiazole	A + X	907	g
BANROT 80 G	50 g/kg thiophanate-methyl + 80g/kg etridiazole	A + X	18.14	kg
BARRACK 720	720 g/L chlorothalonil	Y	10, 200	L
BAVISTIN FL	500 g/L carbendazim	A	5, 10	L
BAYCOR 300	300 g/L bitertanol	C	1	L
BAYCOR TURF	300g/L bitertanol	C	1	L
BAYFIDAN 250 EC	250 g/L triadimenol	C	1, 5	L
BAYFIDAN TURF	250g/L triadimenol	C	1	L
BLUE SHIELD DF	500 g/kg copper as copper hydroxide	Y	15	kg
BOGARD 100 WG	100 g/kg difenoconazole	C	1	kg
BRAVO WEATHERSTIK	720 g/L chlorothalonil	Y	10, 100	L
BUMPER 250 EC	250 g/L propiconazole	C	1, 5, 20	L
CABRIO	250 g/L pyraclostrobin	K	5	L
CAPTAN WG	800 g/kg captan	Y	10	kg
CHAMP DP WG	375 g/kg copper as cupric hydroxide	Y	10	kg
CHIPCO ROVRAL GREEN	500g/L iprodione	B	2.5	L
CHIPCO ROVRAL GT	250g/L iprodione	B	5	L
CHIPCO SIGNATURE	800g/kg fosetyl	Y	2.5	kg
CHORUS	500 g/kg cyprodinil	I	5	kg
CIVET AQUAFLO	500 g/L iprodione	B	5	L
COPPER OXYCHLORIDE	500 g/kg copper as copper oxychloride	Y	2, 25	kg
CUPROFIX DISPERSS	200 g/kg tri-basic copper sulphate	Y	20	kg
DACONIL WEATHER STIK	720g/L chlorothalonil	Y	10	L
DELAN 700 WG	700 g/kg dithianon	Y	2	kg
DITHANE RAINSHIELD	750 g/kg mancozeb	Y	20	kg
DOMARK 40 ME	40 g/L tetraconazole	C	1	L
ECO-CARB	940 g/kg potassium carbonate	Y	5, 10, 20	kg
EUPAREN MULTI	500 g/kg tolyfluanid	X	500g, 25	kg
FILAN	500 g/kg boscalid	C	2.5	kg
FLINT 500 WG	500 g/kg trifloxystrobin	K	1, 5	kg
FLO BORDO	50 g/L copper as copper hydroxide	Y	20, 200, 1K	L
FOLICUR 430 SC	430 g/L tebuconazole	C	5, 10	L
FONGARID 250 WP	250 g/kg furalaxyl	D	500	g
FORTRESS 500	500 g/L procymidone	B	5, 10	L
FRESCA SULPHUR PADS	970g /kg sodium metabisulphite	Y	17	kg

FUNGICIDES

Product	Active Constituent	Group	Pack	
FUNG-O-NIL 500	500 g/L chlorothalonil	Y	5, 20	L
GARRISON	2.5 g/L cyproconazole + 1 g/L iodocarb	C + Y	2	L
GOLDAZIM 500 SC	500 g/L carbendazim	A	1L	L
HERITAGE MAXX	95g/L azoxystrobin	K	1	L
HOWZAT	500g/L carbendazim	A	5, 20	L
IMAZAGUARD 800 EC	800 g/L imazalil	C	1	L
KOCIDE BLUE XTRA	350 g/kg copper hydroxide	Y	10	kg
LEGEND	250 g/L quinoxifen	M	1, 5	L
LIQUICOP	93 g/L copper as copper ammonium complex	Y	5, 20, 200, 1K	L
MANCOZEB 750 DF	750 g/kg mancozeb	Y	20	kg
MANCOZEB DG	750 g/kg mancozeb	Y	2	kg
MANKOCIDE DF	300 g/kg copper hydroxide + 150 g/kg mancozeb	Y	10	kg
MAXIM 100 FS	100 g/L fludioxonil	L	1, 5	L
MICROTHIOL DISPERS	800 g/kg sulphur	Y	15, 25	kg
MONCEREN 125 DS	125 g/kg pencycuron	X	20	kg
MORESTAN	250 g/kg oxythioquinox	X	400	g
MYCLOSS	125 g/L myclobutanil	C	5	L
MYCLOSS XTRA	200 g/L myclobutanil	C	1, 5	L
NIMROD	250 g/L bupirimate	H	5	L
NORSHIELD 400L	400 g/L cuprous oxide	Y	5	L
NORSHIELD 750 WDG	750 g/kg cuprous oxide	Y	10	kg
NUSTAR DF	200 g/kg flusilazole	C	200	g
OCTAVE WP	462 g/kg prochloraz	C	1	kg
OXYDUL DF	500 g/kg cu as copper oxychloride	Y	15	kg
ORTHOXIDE WG	800 g/kg captan	Y	10	kg
PANOCTINE 400	400 g/L guazatine	X	5	L
PENNCOZEB 420 SC	420 g/L mancozeb + 100 g/L petroleum oil	Y	20, 200	L
PENNCOZEB 750 DF	750 g/kg mancozeb	Y	20	kg
PERATEC	250 g/L hyd. peroxide + 50 g/L peroxyacetic acid	Y	25	L
PLANTVAX 750 W	750 g/kg oxycarboxin	G	500	g
POLYRAM DF	700 g/kg metiram	Y	15	kg
PREVICUR	600 g/L propamocarb	Y	1	L
PROSPER 500 EC	500 g/L spiroxamine	E	2.5, 10	L
REBOUND WP	80 g/kg oxadixyl + 560 g/kg propineb	D + Y	1	kg
RIDOMIL GOLD 25 G	25 g/kg metalaxyl-M	D	10	kg
RIDOMIL GOLD 480EC	480 g/L metalaxyl-M	D	1	L
RIDOMIL GOLD MZ- 680 WG	640 g/kg mancozeb + 40 g/kg metalaxyl-M	D + Y	5	kg
RIDOMIL GOLD PLUS	390 g/kg copper hydroxide + 50 g/kg metalaxyl-M	D + Y	2.25, 9	kg
RIZOLEX 100D	100 g/kg tolclofos-methyl	X	2, 20	kg
RIZOLEX LIQUID	500 g/L tolclofos-methyl	X	5	L
ROVRAL 750 WG	750 g/kg iprodione	B	1, 4	kg
ROVRAL AQUAFLO	500 g/L iprodione	B	5	L
ROVRAL LIQUID	250 g/L iprodione	B	5, 20, 60	L
RUBIGAN 120 SC	120 g/L fenarimol	C	1, 5	L
SAPROL	190 g/L triforine	C	5	L
SCALA 400 SC	400 g/L pyrimethanil	I	5, 10, 60	L
SCORE 250 EC	250 g/L difenoconazole	C	5	L
SHIRLAN	500 g/L fluazinam	Y	5	L
SPIN FLO	500 g/L carbendazim	A	5, 10, 20	L
SPIRAL AQUAFLO	500 g/L procymidone	B	5	L
SPORTAK	450 g/L prochloraz	C	1	L
STROBY WG	500 g/kg kresoxim -methyl	K	200	g
SUBDUE MAXX	240g/L metalaxyl-M	D	1	L

FUNGICIDES

Product	Active Constituent	Group	Pack	
SULFOSTAR	800 g/kg sulphur	Y	15	kg
SUMISCLEX 500	500 g/L procymidone	B	5, 10	L
SWITCH WG	375 g/kg cyprodinil + 250 g/kg fludioxonil	I + L	1	kg
SYLLIT 400 SC	400 g/L dodine	X	10	L
SYSTHANE WP	400 g/kg myclobutanil	C	600	g
TATO DUST	200 g/kg mancozeb	Y	10	kg
TECTO FLOW. SC	500 g/L thiabendazole	A	5	L
TELDOR 500 SC	500 g/L fenhexamid	J	5	L
TERRACHLOR	750 g/kg quintozene	Y	2.5, 10	kg
TERRAZOLE 350 WP	350 g/kg etridiazole	X	2, 10	kg
THIOVIT JET	800 g/kg sulphur	Y	15, 25	kg
THIRAFLO	600 g/L thiram	Y	20	L
THIRAGRANZ	800 g/kg thiram	Y	20	kg
THIRAM DF/WP	800 g/kg thiram	Y	500	g
THIRAM DF/WP	800 g/kg thiram	Y	2, 10, 25	kg
TILT 250 EC	250 g/L propiconazole	C	1, 5, 20, 200	L
TOMATO DUST	400 g/kg sulphur + 40 g/kg cu.oxychloride + 20 g/kg carbaryl	Y + 1A (I)	10	kg
TOPAS 100 EC	100 g/L penconazole	C	5	L
TRIAD 125	125 g/L triadimefon	C	5, 20	L
TRI-BASE BLUE	190 g/L cu present as tribasic copper sulphate	Y	20, 200	L
TRICOP	18 g/L copper octanoate	Y	25	L
TRIFORINE FUNG.	19g/L triforine	C	5	L
UNITE 720	720 g/L chlorothalonil	Y	10	L
VINE-VAX DRESSING	500 MCFU/g trichoderma harzianum	Bio	100	g
VINE-VAX IMPLANTS	100 MCFU/Wd trichoderma harzianum	Bio	1K	PK
VISION 250 SC	200 g/L pyrimethanil + 50 g/L fluquinconazole	C + I	5	L
VIVA	50 g/L hexaconazole	C	5	L
WALABI SC	375 g/L chlorothalonil + 150 g/L pyrimethanil	Y + I	10, 60	L
WETTABLE SULPHUR	800 g/kg wettable sulphur-see also SulfoStar	Y	2	kg
ZEE-MIL MZB 680 WP	640 g/kg mancozeb + 40 g/kg metalaxyl	D + Y	1.25, 2.5	kg
ZINEB 800	800 g/kg zineb	Y	2, 25	kg
ZIRAGRANZ	760 g/kg ziram	Y	20	kg
ZIRAM GRANUFLO	760 g/kg ziram	Y	10	kg
ZYBAN	640 g/kg mancozeb + 156 g/kg thiophanate methyl	A + Y	1.19, 4.76	kg

FUMIGANTS - SOIL

Product	Active Constituent	Group	Pack	
BASAMID	940 g/kg dazomet		20	kg
ENVIROFUME	423 g/L metham as potassium monomethyl dithiocarbamate		200	L
METHAM SODIUM	423 g/L metham present as the sodium salt		200, 1K	L

drumMUSTER & CHEMCLEAR (feature)

What is drumMuster? drumMUSTER is the national program for the collection and recycling of empty, cleaned, non - returnable crop production and on-farm animal health containers. For full details on procedures and return points go to www.drummuster.com.au (Containers qualifying for drumMUSTER must feature the drumMUSTER icon as illustrated)



What is Chemclear? Chemclear is a program for the collection and disposal of unwanted chemical. For further information or to register go to www.chemclear.com.au or by calling 1800 008 182.





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FUNGICIDES - ACTIVITY GROUPS

GROUP	ACTIVITY GROUP	CHEMICAL GROUPING	ACTIVE CONSTITUENT	TRADE NAME
A	<i>Benzimidazole</i>	<i>Benzimidazole</i>	carbendazim	Bavistin FI, Spin Flo
			thiabendazole	Tecto Flowable
			thiophanate-methyl	
B	<i>Dicarboximide</i>	<i>Dicarboximide</i>	iprodione	Rovral Aquaflo & Liquid
			procymidone	Sumisclex, Spiral Aquaflo
C	<i>DMI</i>	<i>Imidazole</i>	imazalil	Fungaflor, Imazagard
			prochloraz	Octave WP, Sportak
		<i>Piperazine</i>	triforine	Saprol
		<i>Pyrimidine</i>	fenarlmol	Rubigan 120 SC
		<i>Triazole</i>	bitertanol	Baycor 300
			cyproconazole	Alto 100 SL
			cyproconazole (+ iodocarb)	Garrison
			diclobutrazole	Vigil
			difenoconazole	Score EC, Bogard 100
			epoxiconazole	Opus
			fluquinconazole	Jockey
			flusilazole	Cane Strike, Nustar DF
			flutriafol	Armour
			hexaconazole	Anvil
			myclobutanil	Systhane, Mycloss Xtra
			paclobutrazol	Cutback
			penconazole	Topas
			propiconazole	Aurora, Bumper, Tilt EC
			propiconazole (+ cyproconazole)	Tilt Xtra
			tebuconazole	Raxil, Folicur 430 SC
tetraconazole	Eminent, Domark			
triadimefon	Triad 125			
triadimenol	Bayfidan 250 EC			
triticonazole	Premis, Real			

FUNGICIDES - ACTIVITY GROUPS

GROUP	ACTIVITY GROUP	CHEMICAL GROUPING	ACTIVE CONSTITUENT	TRADE NAME
D	<i>Phenylamide</i>	<i>Acylamine</i>	benalaxyl (+ mancozeb)	Galben M
			furalaxyl	Fongarid 250 WP
			metalaxyl (+ mancozeb)	Ridomil Gold MZ
			metalaxyl-m	Ridomi Gold 480 EC
		<i>Oxazolidinone</i>	metalaxyl-m (+ copper hydroxide)	Ridomil Gold Plus
			oxadixyl (+ mancozeb)	
			oxadixyl (+ propineb)	Rebound
E	<i>Morpholine</i>	<i>Morpholine</i>	tridemorph	
		<i>Spiroketalamine</i>	spiroxamine	Prosper 500 EC
F	<i>Phosphoro-thiolate</i>	<i>Organo-phosphorous</i>		
G	<i>Oxathiin</i>	<i>Anilide</i>	carboxin	Vitavax,
			flutolanil	Moncut
			oxycarboxin	Plantvax 750 W
			boscalid	Filan
H	<i>Hydroxy-pyrimidine</i>	<i>Pyrimidinol</i>	bupirimate	Nimrod
I	<i>Anilinopyrimidine</i>	<i>Anilinopyrimidine</i>	cyprodinil	Chorus
			cyprodinil (+ fludioxinil)	Switch WG
			pyrimethanil	Scala 400 SC
			pyrimethanil (+ chlorothalonil)	Walabi SC
J	<i>Hydroxyanilide</i>	<i>Hydroxyanilide</i>	fenhexamid	Teldor 500 SC
K	<i>Strobilurin</i>	<i>Strobilurin</i>	azoxystrobin	Amistar SC
			azoxystrobin (+ cyproconazole)	Amistar Xtra@
			kresoxim-methyl	Stroby WG
			pyraclostrobin	Cabrio
			trifloxystrobin	Flint 500 WG
L	<i>Phenylpyrroles</i>	<i>Phenylpyrroles</i>	fludioxonil	Maxim 100 FS
M	<i>Phenoxy quinoline</i>	<i>Phenoxy quinoline</i>	cyprodinil (+ fludioxinil)	Switch WG
			quinoxifen	Legend

FUNGICIDES - ACTIVITY GROUPS

GROUP	ACTIVITY GROUP	CHEMICAL GROUPING	ACTIVE CONSTITUENT	TRADE NAME	
Y	<i>Multi-site activity</i>	<i>Carbamate</i>	iodocarb		
			propamocarb	Previcur	
		<i>Phosphonate</i>	fosetyl-al	Aliette WG	
			phosphorous acid	Agri-fos 600	
		<i>Inorganic</i>	chlorine dioxide	Vibrex Flora	
			copper cuprous oxide	Norshield WG	
			copper hydroxide	Kocide Xtra, Champ D.P.	
			copper oxychloride	<i>various</i>	
			copper octanoate	Tricop	
			hydrogen peroxide + peroxyacetic acid	Peratec	
			iodine	Ultra Dyne C	
			mercury	Shirtan	
			sodium metabisulphite	Fresca Sulphur Pads	
			sulphur	Thiovit Jet, Sulf-O-Star	
			<i>Dithiocarbamate</i>	mancozeb	Dithane Rainshield
				metiram	Polyram DF
		thiram		Thiragranz DF	
		propineb		Antracol	
		zineb		Zineb 800	
		zineb + copper hydroxide		Mancocide	
		ziram		Ziram Granuflo	
		<i>Phthalimide</i>	chlorothalonil	Bravo Weatherstik	
		<i>Chlorophenyl</i>	quintozene	Terrachlor	
<i>Quinone</i>	dithianon	Delan DF			
<i>Hydroxyquinoline</i>	8-hydroxy quinoline sulphate	Chinosol			
<i>Pyradinamine</i>	tluazinam	Shirlan			
<i>Cyclic imide</i>	captan	Captan WG			
X	<i>Unspecified</i>	<i>Cinnamic acid derivative</i>	dimethomorph	Acrobat	
		<i>Sulfamide</i>	tolytluanid	Euparen Multi	
		<i>Dinitrophenyl</i>	dinocap	Karathane	
		<i>Organophosphate</i>	tolclofos-methyl	Rizolex 100D & Liquid	
		<i>Guanidine</i>	dodine	Syllit 400 SC	
			guazatine	Panoctine	
		<i>Thiadiazole</i>	etr Diazole	Terrazole	
		<i>Quinoxaline</i>	oxythioquinox	Morestan	
			pencycuron	Monceren DS	

Note: Some products are mixtures of fungicides from different activity groups. These appear only once in the chart. If multiple trade names exist, the trade name entry is listed as various and a common trade name included.

HERBICIDES

Product	Active Constituent	Group	Pack	
2-4-D AMINE 625	625 g/L 2,4-D as the dimethylamine salt	I	20, 110	L
2-4-D ESTER 800	800 g/L 2,4-D present as the ethyl ester	I	20, 110	L
ACCESS	240 g/L triclopyr + 120 g/L picloram	I	1, 10	L
ACHIEVE WG	400 g/kg tralkoxydim	A	5, 50	kg
AFALON FLO	450 g/L linuron	C	10	L
AFFINITY 400 DF	400 g/kg carfentrazone-ethyl	G	2	kg
ALLY	500g/kg metsulfuron-methyl	B	200, 500	g
AMICIDE 625	625 g/L 2,4-D present as the dimethylamine and diethanolamine salts	I	5, 20 110	L L
AMITROLE T	250 g/L amitrole + 220 g ammonium thiocyanate	F	5, 20	L
ARCHER	300 g/L clopyralid	I	5, 10	L
ARSENAL XPRESS	150 g/L imazapyr + 150 g/L glyphosate	B + M	5, 20	L
ASSET	130 g/L haloxyfop-R methyl ester	A	5, 20	L
ASULOX	400 g/L asulam	K	20	L
ATRADEX WG	900 g/kg atrazine	C	10	kg
AVADEX XTRA	500 g/L triallate	E	20, 110	L
BANVEL 200	200 g/L dicamba	I	20	L
BARON 400 WP	400 g/kg oxyfluorfen	G	1	kg
BASAGRAN	480 g/L bentazone-sodium	C	20	L
BASTA	200 g/L glufosinate-ammonium	N	5, 20, 100	L
BETANAL	157 g/L phenmedipham	K	5	L
BINDII KILLER	200 g/L bromoxynil + 200 g/L MCPA	C + I	500	ml
BLADEX 900 WG	900 g/kg cyanazine	C	5	kg
BOBCAT	250 g/L hexazinone	C	10	L
BONANZA ELITE	500 g/L diflufenican	F	5	L
BROADLEAF KILLER	325 g/L mecoprop + 77 g/L MCPA + 39 g/L dicamba	I	500 5, 20	ml L
BROADSIDE	280 g/L MCPA + 140 g/L bromoxynil + 40 g/L dicamba	C + I	20	L
BROADSTRIKE	800 g/kg flumetsulam	B	500	g
BROMICIDE MA	200 g/L bromoxynil as the n-octanoyl ester + 200 g/L MCPA as the iso-octyl ester	C I	20	L
BRONCO 200	200 g/L bromoxynil present as the n-octanoyl ester	C	5 20	L L
BRONCO 201	200 g/L bromoxynil as the n-octanoyl ester + 200 g/L MCPA as the iso-octyl ester	C I	5 20	L L
BRUSH - OFF	600 g/kg metsulfuron methyl	B	200, 500	g
BRUSHKILLER 600	600 g/kg metsulfuron methyl	B	100, 500	g
BUCTRIL MA	200 g/L bromoxynil as the octanoate + 200 g/L MCPA as the ethyl hexyl ester	C I	20	L
BUSHWACKER	600 g/kg metsulfuron methyl	B	100, 500	g
BUTICIDE	400 g/L 2,4-DB as potassium & sodium salts	I	5, 20	L
BUTTRESS	500 g/L 2,4-DB as the dimethylamine salt	I	20	L
CAMEO 500	500 g/L oryzalin	D	10	L
CASORON G	67.5 g/kg dichlobenil	K	25	kg
CAVALIER	240 g/L oxyfluorfen	G	1, 5	L
CLINCHER 720 EC	720 g/L metolachlor	K	20, 60	L
COMET 200 EC	200 g/L fluroxypyr	I	5, 20	L
COMMAND	480 g/L clomazone	F	1, 5	L
CREDIT & BONUS	540 g/L glyphosate isopropylamine & mono-ammonium salt	M	20 110	L L
CROSSBOW	200 g/kg metsufuron methyl 240 g/L picloram as potassium salt	B I	Twin Pack	kg/L

HERBICIDES

Product	Active Constituent	Group	Pack	
CUTLASS 500	500 g/L dicamba	I	10	L
CUTLASS M	340 g/L MCPA + 80 g/L dicamba	I	1, 5, 20	L
DACONATE	800 g/L MSMA	K	10	L
DACTHAL WG	900 g/kg chlorthal dimethyl	D	2, 20	kg
DESTINY	100 g/kg iodosulfuron-methyl sodium	B	250	g
DEVIRINOL WG	500 g/kg napropamide	K	2.5	kg
DIMENSION	120 g/L dithiopyr	I	10	L
DIUREX WG	900 g/kg diuron	C	10	kg
DIURON 500 SC	500 g/L diuron	C	20	L
DIURON 900 WG	900 g/kg diuron	C	10	kg
DSMA CLEAR	220 g/L DSMA	K	5, 20	L
DUAL GOLD	960 g/L S-metolachlor	K	5, 20	L
DUET	125 g/L oryzalin + 125 g/L trifluralin	D	20, 110	L
EPTAM	720 g/L EPTC	E	20	L
ESTERCIDE 800	800 g/L 2,4-D present as the ethyl ester	I	5, 20	L
FARMOZINE 500	500 g/L atrazine	C	20	L
FARMOZINE WDG	900 g/kg atrazine	C	15	kg
FINALE	200 g/L glufosinate-ammonium	N	5, 20	L
FUSILADE FORTE	128 g/L fluazifop-p as butyl ester	A	1, 5, 20	L
FUSION WG	212 g/kg fluazifop-p + 250 g/kg butoxydim	A	5	kg
GALLERY 750 DF	750 g/kg isoxaben	C	1, 80	kg
GARLON 600	600 g/L triclopyr	I	1, 5, 20	L
GESAGARD 500 SC	500 g/L prometryn	C	20	L
GESAPRIM 600 SC	600 g/L atrazine	C	20	L
GESAPRIM GRANULES	900 g/kg atrazine	C	10, 15	kg
GESATOP 600 SC	600 g/L simazine	C	20	L
GESATOP 900 WG	900 g/kg simazine	C	10, 15	kg
GLEAN	750 g/kg chlorsulfuron	B	500	g
GLYPHOSATE CT	450 g/L glyphosate present as the isopropylamine salt	M	20, 110	L L
GOAL	240 g/L oxyfluorfen	G	5	L
GRAMOXONE 250	250 g/L paraquat as paraquat dichloride	L	20, 100	L
GRASLAN HERBICIDE	200 g/kg tebuthiuron	C	10	kg
GRAZON DS	300 g/L triclopyr + 100 g/L picloram	I	1, 5, 20	L
HAMMER	240 g/L cafentrazone-ethyl	G	1, 5	L
HOEGRASS 500	500 g/L dicloflop-methyl	A	20, 100	L
HUSSAR	50 g/kg iodosulfuron-methyl sodium	B	3	kg
HYVAR X	800 g/kg bromacil	C	5	kg
IGRAN 500 SC	500 g/L terbutryn	C	20	L
ILLICO	160 g/L amitrole + 60 g/L glyphosate as the isopropylamine salt + 143 g/L amm. thiocyanate	F + M	20	L
IMMERSE FLOATING HERB	300 g/L calcium dodecylbenzenesulphonate	I	5	L
JAGUAR	250 g/L bromoxynil as the octanoate + 25 g/L diflufenican	C + F	5 20	L L
JUGGLER 700	700 g/kg methabenzthiazuron	I	1	kg
KAMBA 500	500 g/L dicamba as the dimethylamine salt	I	5, 10	L
KAMBA M	80 g/L dicamba as the dimethylamine salt + 340 g/L MCPA as the dimethylamine salt	I	1, 5 20	L L
KERB 500 SC	500 g/L propyzamide	K	5	L
KROVAR DF	400 g/kg bromacil + 400 g/kg diuron	C	5	kg
L.V.E. MCPA	500 g/L MCPA as the iso-octyl ester	I	20, 110	L
LANTANA 600	600 g/L dichlorprop as the potassium salt	I	5, 20	L
LAWNWEEDER PLUS	192 g/L bentazone + 119g/L MCPA + 19 g/L dicamba	C + I	500 5	ml L

HERBICIDES

Product	Active Constituent	Group	Pack	
LEOPARD	99.5 g/L quizalofop-p-ethyl	A	10	L
LEXONE DF	750 g/kg metribuzin	C	2.5	kg
LINUREX FLOWABLE	450 g/L linuron	C	5	L
LOGRAN 750 WG	750 g/kg triasulfuron	B	1	kg
LONTREL	300 g/L clorpyralid	I	1, 5, 20	L
LYNX 600	600 g/kg metsulfuron methyl	B	350	g
MATRIX	200 g/L ethofumesate	K	5, 20	L
MCPA 250	250 g/L MCPA present as the sodium salt	I	20, 110	L
MCPA 500	500 g/L MCPA as the dimethylamine salt	I	5, 20, 110	L
METHAR TRI KOMBI	336 g/L mecoprop + 80 g/L 2,4-D + 40 g/L dicamba	I	5, 25	L
METRIBUZIN 700 WP	750 g/kg metribuzin	C	2.5, 7.5	kg
MONUMENT	750 g/kg trifloxysulfuron sodium	B	25	g
MOTSA	200 g/L clethodim + 50 g/L halxyfop	A	10	L
MSMA 720	720 g/L MSMA	K	5l, 20	L
NUQUAT 250	250 g/L paraquat	L	20	L
NU-TRAZINE 900 DF	900 g/kg atrazine	C	10, 15	kg
OUST DF	750 g/kg sulfometuron-methyl	B	1.5	kg
PANTERA	120 g/L quizalofop-p-tefuryl	A	1, 10	L
PASSTOX FLOWABLE	526 g/L DSMA	K	1, 10	L
POACHEK	175 g/L endothal	K	2, 5	L
PRIMEXTRA GOLD	290 g/L S-metolachlor + 370 g/L atrazine	C + K	20	L
PROMETRYN 900	900 g/kg prometryn	C	10	kg
PROPON 2, 2-DPA	740 g/kg 2, 2-DPA (dalapon) as sodium salt	J	25	kg
PYRAMIN	650 g/kg chloridazon	C	1, 20	kg
RAMROD FLOWABLE	480 g/L propachlor	K	10	L
RAPTOR WG	700 g/kg imazamox	B	250	g
RATTLER 400	400g/L asulam	K	20	L
REGLONE 200	200 g/L diquat as diquat dibromide monohydrate	L	5, 20, 100	L
RHINO 375	375 g/L diclofop-methyl	A	20	L
RIFLE	330 g/L pendimethalin	D	20, 110	L
RONSTAR GRANULES	20 g/kg oxadiazon	G	15	kg
ROUNDUP 360	360 g/L glyphosate present as isopropylamine salt	M	1, 5, 20	L
ROUNDUP BI-ACTIVE	360 g/L glyphosate present as isopropylamine salt	M	5, 20, 55	L
ROUNDUP CT	360 g/L glyphosate present as isopropylamine salt	M	20, 110, 400	L
ROUNDUP POWER MAX	540 g/L glyphosate as the potassium salt	M	20, 55, 110	L
ROUT	20 g/kg oxyfluorfen + 10 g/kg oryzalin	D + G	10, 22.6	kg
ROYALE 500 SC	500 g/L propyzamide	K	1, 5	L
SAFARI 600 EC	600 g/L triclopyr	I	10	L
SELECT	240 g/L clethodim	A	1, 10	L
SEMPRA	750 g/kg halosulfuron-methyl	B	100, 500	g
SENCOR 480 SC	480 g/L metribuzin	C	5	L
SENCOR 750 WG	750 g/kg metribuzin	C	2.5	kg
SERTIN 186 EC	186 g/L sethoxydim	A	20	L
SHIRQUAT 250	250 g/L paraquat	L	5, 20	L
SIERRARON G	67.5 g/kg dichlobenil	K	5, 25	kg
SIMAGRANZ	900 g/kg simazine and related triazines	C	15	kg
SIMAZINE FLOW.	500 g/L simazine	C	20	L
SINBAR	800 g/kg terbacil	C	2	kg
SPARK	240 g/L oxyfluorfen	G	5	L
SPEARHEAD	15 g/L diflufenican + 300 g/L MCPA + 20 g/L clopyralid	F + I	10	L
SPINNAKER 700 WG	700 g/kg imazethapyr	B	2	kg
SPRAY.SEED 250	135 g/L paraquat as paraquat dichloride +	L	20	L
	115 g/L diquat as diquat bromide		100	L
SPRAYTOP 250	250 g/L paraquat	L	20	L

HERBICIDES

Product	Active Constituent	Group	Pack	
STARANE 200	200 g/L fluroxypyr	I	1, 5, 20	L
STOMP 330E	330 g/L pendimethalin	D	20, 110	L
STOMP XTRA	455 g/L pendimethalin	D	20, 110	L
STRIKER	240 g/L oxyfluorfen	G	5, 10	L
SURFLAN	500 g/L oryzalin	D	5, 20	L
SURPASS 300	300 g/L 2,4-D present as the isopropylamine salt	I	20, 110	L
TARGA	99.5 g/L quizalofop-p-ethyl	A	5, 10	L
TASKFORCE	745 g/L flupropanate	J	5, 20	L
TIGREX	250 g/L MCPA + 25g/L diflufenican	F + I	20, 110	L
TILLAM	720 g/L pebgulate	E	5	L
TOPIK 240 EC	240 g/L clodinafop-propargyl + 60 g/L cloquintocet-methyl	A	1 5	L L
TORDON 75-D	300 g/L 2, 4-D + 75 g/L picloroam	I	5, 20	L
TORDON DS	200 g/L triclopyr + 100 g/L picloram	I	5, 20	L
TORDON GRANULES	20 g/kg picloram	I	5	kg
TOTRIL	250 g/L ioxynil as the octanoate	C	5	L
TOUCHDOWN HITECH	500 g/L glyphosate present as potassium salt	M	20, 100	L
TRAMAT SC	500 g/L ethofumesate	K	5	L
TRIBUNIL 700 WP	700 g/kg methabenzthiazuron	C	1	kg
TRIFLUR X	480 g/L trifluralin	D	20, 110	L
TRIFLURALIN 480	480 g/L trifluralin	D	20, 110	L
TRIFOLAMINE	500 g/L 2,4-DB as the dimethylamine salt	I	20	L
TRINOC	220 g/L DSMA + 70 g/L MCPA	K + I	5, 20	L
TRISTAR ADVANCE	250 g/L dicoflop-methyl + 13 g/L fenaprop-p-ethyl	A	20	L
TROUNCE BRUSH PACK	835 g/kg glyphosate + 10 g/kg metsulfuron - methyl	M + B	173g, 1.73	kg
TUPERSAN	500 g/kg siduron	C	1	kg
TUSSOCK	745 g/L flupropanate	J	1, 5, 20	L
VELMAC GRANULES	200 g/kg hexazinone	C	1	kg
VELPAR DF	750 g/kg hexazinone	C	10	kg
VELPAR L	250 g/L hexazinone	C	10	L
VERDICT 520	520 g/L haloxyfop	A	1, 5	L
WILDCAT 110 EC	110 g/L fenoxaprop-p-ethyl	A	10	L
WIPEOUT 360	360 g/L glyphosate as isopropylamine salt	M	1, 5, 20	L
WIPEOUT 450	450 g/L glyphosate as isopropylamine salt	M	20, 110	L
WIPEOUT PLUS	510 g/L glyphosate as monoethanolamine salt	M	20, 110	L
ZOLIAR DF	800 g/kg norflurazon	F	5	kg

ZOLIAR[®] DF

PRE-EMERGENT

HERBICIDES - MODE OF ACTION GROUPS

List of approved active constituents in each "Group" and, for ease of identification, the trade name of first registered product or successor. Refer to the APVMA website (www.apvma.gov.au) to obtain a complete list of registered products.

High Risk Resistance

GROUP A	Inhibitors of acetyl coA carboxylase (Inhibitors of fat synthesis/ACC'ase inhibitors)
<i>Fops:</i>	propaquizafop (Correct), fluazifop (Fusilade Forte), fluazifop (Fusion*), quizalofop (Targa), clodinafop (Topik), fenoxaprop/diclofop (Tristar Advance), fenoxaprop (Wildcat), diclofop (Hoegrass, Decision*), haloxyfop (Verdict, Motsa*). cyhalofop (Barnstorm*)
<i>Dims:</i>	tralkoxydim (Achieve), butroxydim (Falcon, Fusion*) clethodim (Select, Motsa*) sethoxydim (Sertin, Decision"), tepraloxydim (Aramo)
GROUP B	Inhibitors of acetolactate synthase (ALS inhibitors)
<i>Sulfonylureas:</i>	metsulfuron (Ally), chlorsulfuron (Glean), thifensulfuron (Harmony M), iodosulfuron (Hussar), bensulfuron (Londax), rimsulfuron (Titus) sulfosulfuron (Monza), sulfometuron (Oust), triasulfuron, (Logran) tribenuron (Express), trifloxysulfuron (Envoke), mesosulfuron (Atlantis), halosulfuron (Semptra)
<i>Imidazolinones:</i>	imazapyr (Arsenal), imazethapyr (Spinnaker), imazapic (Flame), imazamox (Raptor), imazapic/imazapyr (Midas), imazethapyr/imazapyr (Lightning), imazapic/imazapyr (OnDuty)
<i>Sulfonamides:</i>	flumetsulam (Broadstrike), metosulam (Eclipse)

* This product contains more than one active constituent

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HERBICIDES - MODE OF ACTION GROUPS

Moderate Risk Resistance

GROUP C	Inhibitors of photosynthesis at photosystem 11
<i>Triazines:</i>	terbutryn (Igran, Agtryne MA*), atrazine (Gesaprim 600), simazine (Gesatop 600), cyanazine (Bladex), prometryn (Gesagard 500)
<i>Triazinones:</i>	hexazinone (Velpar L, Velpar K4*), metribuzin (Sencor, Lexone)
<i>Ureas:</i>	tebuthiuron (Graslan), methabenzthiazuron (Tribunil), siduron (Tupersan), diuron (Diuron WG), linuron (Afalon)
<i>Nitriles:</i>	bromoxynil (Bromicide 200, Jaguar*), ioxynil (Totril, Actril DS*)
<i>Benzothiadiazoles:</i>	bentazone (Basagran)
<i>Acetamides:</i>	propanil (Stam)
<i>Uracils:</i>	bromacil (Hyvar X, Krovar*), terbacil (Sinbar)
<i>Pyridazinones:</i>	chloridazon (Pyramin)
GROUP D	Inhibitors of tubulin formation
<i>Dinitroanilines:</i>	oryzalin (Cameo, Surflan) trifluralin (Treflan), pendimethalin (Stomp)
<i>Benzoic acids:</i>	chlorthal (Dacthal)
GROUP E	Inhibitors of mitosis
<i>Thiocarbamates:</i>	triallate (Avadex), EPTC (Eptam), thiobencarb (Saturn), pebulate (Tillam, Vernam), molinate (Ordram)
<i>Carbamates:</i>	chlorpropham (Chlorpropham)
<i>Organophosphorous:</i>	bensulide (Bensulide)
GROUP F	Inhibitors of carotenoid biosynthesis
<i>Nicotinanilides:</i>	diflufenican (Brodal, Jaguar*, Tigrex*)
<i>Triazoles:</i>	amitrole (Amitrole T, Illico*)
<i>Pyridazinones:</i>	norflurazon (Zoliar DF)
<i>Isoxazolidinones:</i>	clomazone (Command.)
<i>Pyrazoles:</i>	benzofenap (Taipan, Viper)
<i>Picolinamides:</i>	picolinafen (Paragon*, Sniper)
<i>Isoxazoles:</i>	isoxaflutole (Balance)
GROUP G	Inhibitors of protoporphyrinogen oxidase
<i>Diphenylethers:</i>	acifluorfen (Blazer), oxyfluorfen (Cavalier)
<i>Oxadiazoles:</i>	oxadiazon (Ronstar)
<i>Triazolinones:</i>	carfentrazone (Affinity)
<i>Pyrimidindione:</i>	butafenacil (Logran-B Power*)

* This product contains more than one active constituent

HERBICIDES - MODE OF ACTION GROUPS

Low Risk Resistance

GROUP I	Disruptors of plant call growth
<i>Phenoxy's:</i>	2,4-D Amicide 625, 2,4-DB (Buttress), LV MCPA, MCPA 500, Basagran, Bromicide MA, Broadside, Midas, Paragon, Tigrex.
<i>Benzoic acids:</i>	Dicamba (Banvel)
<i>Pyridines:</i>	Triclopyr (Grazon DS), clopyralid (Lontrel), picloram (Tordon DS), fluroxypyr (Starane)
GROUP J	Inhibitors of fat synthesis
<i>Alkanoic acids:</i>	2,2-DPA (Dalapon), flupropanate (Tussock)
GROUP K	Herbicides with diverse sites of action
<i>Amides:</i>	napropamide (Devrinol) metolachlor (Dual Gold, Primextra Gold*) propyzamide (Kerb)
<i>Carbamates:</i>	phenmedipham (Betanal) asulam (Asulox)
<i>Amino propionates:</i>	flamprop (Mataven)
<i>Benzfurans:</i>	ethofumesate (Tramat)
<i>Nitriles:</i>	dichlobenil (Casoron G))
<i>Dicarboxylic acid:</i>	endothal (Poachek)
GROUP L	Inhibitors of photosynthesis at photosystem I
<i>Bipyridyls:</i>	paraquat (Gramoxone 250, Spray. Seed 250*), diquat (Reglone, Spray. Seed 250*).
GROUP M	Inhibitors of EPSP synthase
<i>Glycines:</i>	glyphosate (Roundup, Illico*),
GROUP N	Inhibitors of glutamine synthase
<i>Phosphonic acids:</i>	glufosinate (Basta)

* This product contains more than one active constituent

experts in liquid plant nutrition



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INSECT MONITORING TRAPS

* AGRISENSE EASISSET DELTA TRAPS

Different traps available for:-

- * Codling Moth (CM)- *Laspeyresia (=Cydia) pomonella*
- * Diamond Back Moth (DBM)- *Plutella xylostella*
- * Light Brown Apple Moth (LBAM)- *Epiplryas postvittana*
- * Oriental Fruit Moth (OFM)- *Grapholitha (= Laspeyresia) molesta*

Available in a carton consisting of 3 Traps, 9 Pheromone Lures & 9 Sticky Inserts
Recharge Lures & Inserts are also available separately- 10/pkt.



* AGRISENSE FUNNEL TRAP

Suitable for:-

- * *Heliothis Armigera - Helicoverpa armigera*
- * *Heliothis Punctigera - Helicoverpa punctigera*



* AGRISENSE YELLOW STICKY TRAPS

Suitable for:-

- * Aphids, Thrip, Western Flower Thrip & Whiteflies.

Pack of 10 traps (with counting grids) 10 x 25cm.



* DAK-POT LURE & INSECTICIDE TRAP C165

* Controls male fruit fly

Contains 165 g/kg pheromone + 65 g/kg maldison.



* FRUIT FLY TRAP

Contains a male sex attractant (cue lure) & an insecticide (maldison).

Attracts from up to 400 metres.

Replace pheromone wick every 3 months.



* Q-FLY FRUIT FLY TRAP

Monitor male fruit fly populations

Wick impregnated with both a sex attractant (cue lure) & an insecticide (Maldison). Attracts male fruit flies from up to 400m

Replace wick every three months



INSECTICIDES

Please note - Some of the products listed below may only be available on a restricted basis.

Product	Active Constituent	Group	Pack	
ACRAMITE	480 g/L bifentazate	2D	1, 5	L
ACTELLIC 900 SF	900 g/L primiphos methyl	1B	500ml, 5	L
ALPHA SCUD ELITE	100 g/L alpha - cypermethrin	3A	20	L
ALSYSTIN 250	250 g/kg triflumuron	15A	1	kg
AMBUSH	50 g/L permethrin (40:60)	3A	1	L
AMULET CUE-LURE FRUIT FLY STATIONS	3.4 g/kg fipronil + 94 g/kg 4-(p-acetoxyphenyl)-2-(butanone)	2C	16 stations-94	g
			100 stations-585	g
APHIDEX 500	500 g/kg pirimicarb	1B	7.5	kg
APOLLO SC	500 g/L clofentezine	10A	1, 5	L
APPLAUD	400 g/L buprofezin	17A	1, 5	L
ASTOUND DUO	100 g/L alpha - cypermethrin	3A	5, 20	L
AVATAR	400 g/kg indoxacarb (25:75)	22A	500	g
	(equivalent to 300 g/kg active S -isomer)		3	kg
BIOCOVER	840 g/L petroleum oil	HMO	5, 20, 200	L
BIOMECTIN	18 g/L abamectin	6A	1, 5	L
BUGMASTER FLOW.	500 g/L carbaryl	1A	5, 20	L
BULLDOCK 25 EC	25 g/L beta-cyfluthrin	3A	5, 20	L
CALIBRE 100 EC	100 g/L hexythiazox	10A	1	L
CALYPSO 480 SC	480 g/L thiacloprid	4A	5	L
CARBARYL 800 WP	800 g/kg carbaryl	1A	1, 10	kg
CHESS INSECTICIDE	500 g/kg pymetrozine	9A	1	kg
CHIPCO BAYTHROID	500 g/L cyfluthrin	3A	1	L
CHLORPYRIFOS GRAN.	50 g/kg chlorpyrifos	1B	500g, 10	kg
CISLIN 10	10 g/L deltamethrin	3A	2.5	L
CONFIDOR 200 SC	200 g/L imidacloprid	4A	1, 10, 60	L
CONFIDOR GUARD	350 g/L imidacloprid	4A	5, 10	L
COOPEX DUST	250 g/kg permethrin	3A	10	kg
COSMOS	500 g/L fipronil	2C	1	L
COUNTER 150G- L & L	150 g/kg terbufos	1B	18	kg
CROWN 225 SL	225 g/L acetamiprid	4A	1	L
CYREN 500 WP	500 g/kg chlorpyrifos	1B	5	kg
DC-TRON PLUS OIL	782 g/L petroleum oil + UV light absorber	HMO	5, 20, 205	L
DECIS OPTIONS	27.5 g/L deltamethrin	3A	5, 20	L
DELFIN WDG	Bacillus thuringiensis var kurstaki	11C	5, 30	kg
DIAZINON 800	800 g/L diazinon	1B	5, 20	L
DICHLORVOS 1140	1140 g/L dichlorvos	1B	500	ml
			2.4, 20	L
DIMETHOATE 400	400 g/L dimethoate	1B	5, 20	L
DIPEL DF	Bacillus thuringiensis var kurstaki-strain HD-1	11C	500	g
			5, 50	kg
DIPTEREX 500 SL	500 g/L trichlorfon	1B	20	L
DISULFOTON 50	50 g/kg disulfoton	1B	10	kg
DOMINEX 100 EC	100 g/L alpha - cypermethrin	3A	1, 5, 20	L
ECO-OIL	850 g/L emulsifiable botanical oils	Bot.oil	1, 5, 20	L
ELECTRA 225	225 g/L methomyl	1A	5, 20	L
ENDOSULFAN 350 EC	350 g/L endosulfan	2A	20	L
ENTRUST	800 g/kg spinosad	5A	450	g
FASTAC DUO	100 g/L alpha - cypermethrin	3A	5, 20	L
FENITROTHION 1000	1000 g/L fenitrothion	1B	2.4, 20	L
FICAM W	800 g/kg bendiocarb	1A	150g, 1.5	kg
FOLIMAT 800	800 g/L omethoate	1B	5, 20	L
FULL-BAC WDG	Bacillus thuringiensis var kurstaki	11C	5	kg
FUMITOXIN TABLETS	550 g/kg aluminium phosphide	8B	100	tab
GEMSTAR	2000 million/mL polyhedral occlusion bodies of the nuclear polyhedrosis virus of Helicoverpa armigera.	Bio	10	L
GRAIN-STAR 50 G	50 g/L methoprene	IGR	5	L
GREEN GUARD SC	Metarhizium anisopliaevar. Acridium	Bio	1.8	kg
GUSATHION 200 SC	200 g/L azinphos-methyl	1B	10	L
HELLFIRE 500	500 g/L permethrin (40:60)	3A	1	L
HYMAL	1150 g/L maldison	1B	5, 20	L



INSECTICIDES

Product	Active Constituent	Group	Pack	
INSEGAR 250 W	250 g/kg fenoxycarb	7B	200	g
ISOMATE COD. MOTH	97 g/400 dispensers- mixed pheromones	N/A	400	PKT
ISOMATE LBAM	96 g/400 dispensers- mixed pheromones	N/A	400	PKT
ISOMATE OFM	96 g/400 dispensers- mixed pheromones	N/A	400	PKT
KARATE ZEON 250 CS	250 g/L lambda-cyhalothrin	3A	1, 5, 20	L
KELTHANE EC	240 g/L dicofol	2B	5, 20	L
KELTHANE MF	480 g/L dicofol	2B	5, 20	L
KOHINOR 200	200 g/L imidacloprid	4A	1, 5	L
LANCER 750 DF	750 g/kg acephate	1B	1, 10	kg
LANNATE L	225 g/L methomyl	1A	5, 20	L
LARVIN 375	375 g/L thiodicarb	1A	20	L
LEBAYCID	550 g/L fenthion	1B	1, 5	L
LE-MAT 290 SL	290 g/L omethoate	1B	10	L
LEPIDEX 500	500 g/L trichlorfon	1B	5, 20	L
LIME SULPHUR	200 g/L sulphur as polysulphide sulphur	Y	5, 20, 200	L
LORSBAN 500 EC	500 g/L chlorpyrifos	1B	1, 5, 20	L
LORSBAN 750 WG	750 g/kg chlorpyrifos	1B	3	kg
MALDISON 500	500 g/L maldison	1B	5, 20	L
MARLIN 225	225 g/L methomyl	1A	20	L
MASTA-MITE	240 g/kg dicofol + 100 g/kg tetradifon	2B	1, 10	kg
MAVRIK AQUA	240 g/L tau - fluvalinate	3A	1	L
MERIDIAN	250 g/kg thiamethoxam	4A	400	g
MERIT TURF	200 g/L imidacloprid	4A	1, 5	L
MESUROL 750	750 g/kg methiocarb	1A	400	g
MILBEKNOCK MITICIDE	Registration pending			
MIMIC 700 WP	700 g/kg tebufenozide	16A	860	g
MITI-FOL 240 EC	240 g/L dicofol	2B	5, 20	L
MONITOR	580 g/L methamidophos	1B	10	L
NATRASOAP	430 g/L fatty acid potassium salts	Bio	1, 5	L
			20, 200	L
NATURALURE F/F BAIT	0.24 g/L spinosad	5A	4	L
NEMACUR 100G	100 g/kg fenamiphos	1B	20	kg
NEMACUR 400	100 g/L fenamiphos	1B	5, 20	L
NITOFOL	580 g/L methamidophos	1B	10	L
NUDRIN 225	225 g/L methomyl	1A	5, 20	L
OMITE 300 W	300 g/kg propargite	14A	1, 10	kg
ORTHENE EXTRA	970 g/kg acephate	1B	5	kg
PARAMITE	110 g/L etoxazole	10A	5	L
PARATHION M500	500 g/L parathion methyl	1B	20	L
PENNCAP-M	240 g/L parathion-methyl (micro-encapsulated)	1B	10	L
PHORATE 100	100 g/kg phorate	1B	27	kg
PHOSDRIN	1110 g/L mevinphos	1B	500	ml
PIRIMOR 500 WG	500 g/kg pirimicarb	1A	1, 5	kg
PROCIDE 80 SC	80 g/L bifenthrin	3A	1	L
PROCLAIM 44 SG	44 g/kg emamectin	6A	600	g
PRODIGY 240 SC	240 g/L methoxyfenozide	16A	9.45,20	L
PROLONG 100	100 g/kg cyfluthrin	3A	100g, 1	kg
PYRANICA	200 g/kg tebufenpyrad	10A	1	kg
PYRETHRUM INS. KILL	13 g/L pyrethrins +	Bio	1, 5,	L
	52 g/L piperonyl butoxide		20	L
REGENT 200 SC	200 g/L fipronil	2C	5	L
RELDAN GRAIN	500 g/L chlorpyrifos-methyl	1B	1, 20	L
RUGBY 100G	100 g/kg cadusafos	1B	15	kg
SECURE SC	360 g/L chlorfenapyr	13A	1, 5	L
SORCEROR 18	18 g/L abamectin	6A	5, 20	L
STRIKE-OUT 500EC	500 g/L chlorpyrifos	1B	1, 5, 20	L
STRIKE-OUT PC	500 g/L chlorpyrifos	1B	5L, 20	L
SUCCESS	120 g/L spinosad	5A	1, 5	L
SUCCESS 2 NATURALYTE	240 g/L spinosad	5A	1, 5	L
SUMI-ALPHA 19 EC	19 g/L esfenvalerate	3A	1	L
SUMI-ALPHA FLEX	50 g/L esfenvalerate	3A	5, 20	L
SUMMER SPRAY OIL	839 g/L (991ml/L) petroleum oil	HMO	20, 205	L
SUPRACIDE 400 EC	400 g/L methidathion	1B	5, 20	L

INSECTICIDES

Product	Active Constituent	Group	Pack	
SUPRATHION 400	400 g/L methidathion	1B	10	L
SUSCON GREEN	100 g/kg chlorpyrifos	1B	10	kg
SUSCON RIBBON	140 g/kg chlorpyrifos (750 strips/2kg)	1B	2	kg
TALSTAR 100 EC	100 g/L bifenthrin	3A	1, 5, 20	L
TALSTAR 80 SC	80 g/L bifenthrin	3A	1	L
THIMET 100G	100 g/kg phorate	1B	15	kg
THIODAN EC	350 g/L endosulfan	2A	20, 110	L
TOKUTHION	500 g/L prothiofos	1B	5, 20	L
TORQUE	550 g/L fenbutatin oxide	12A	1, 5	L
UMET 100G	100 g/kg phorate	1B	20	kg
VECTOBAC	Bacillus thuringiensis israelensis H14	11B	10	L
VENOM	100 g/L bifenthrin	3A	1,5,20	L
VERTIMEC 18 EC	18 g/L abamectin	6A	5	L
VICOL WINTER OIL	861 g/L petroleum oil	HMO	20, 200	L
VIVUS	2000 million/mL polyhedral occlusion bodies of the nuclear poly-hedrosis virus of Helicoverpa zea.	Bio	10	L
VYDATE	240 g/L oxamyl	B	10	L
WEBZONE	100 g/L bifenthrin	3A	500ml, 1, 5	L
WINTER SPRAY OIL	861 g/L petroleum oil	HMO	20, 205	L
XENTARI	Bacillus thuringiensis aizawai	11C	500	g
	Strain ABTS-1857		5	kg



NEMATICIDES

Product	Active Constituent	Group	Pack	
COUNTER 150G LOCK & LOAD	150 g/kg terbufos	1B	18	kg
HUNTER 150G	150 g/kg terbufos	1B	20	kg
METHAM SODIUM	423 g/L metham sodium		200	L
NEMACUR 100G	100 g/kg fenamiphos	1B	20	kg
NEMACUR 400	400 g/L fenamiphos	1B	5, 20	L
RUGBY 100G	100 g/kg cadusafos		15	kg
VYDATE L	240 g/L oxamyl	B	10	L

INSECTICIDES - RESISTANCE MANAGEMENT GROUPS

Group	Primary Target Site	Chemical Subgroups	Active Ingredients	
1A	Acetyl choline esterase inhibitors	carbamates*	aldicarb,	methomyl
			bendiocarb,	oxamyl
			carbaryl,	pirimicarb
			carbofuran,	propoxur
			carbosulfan,	thiodicarb
methiocarb,				
1B	Acetyl choline esterase inhibitors	organophosphates*	acephate,	maldison (malathion)
			azamethiphos,	methamidophos
			azinphos methyl,	methidathion
			cadusafos,	mevinphos
			chlorfenvinphos,	omethoate
			chlorpyrifos,	parathion-methyl
			chlorpyrifos-methyl,	phorate
			diazinon,	phosmet
			dichlorvos,	pirimiphos-methyl
			dimethoate,	profenofos
			disulfoton,	prothiofos
fenamiphos,	temephos			
fenitrothion,	terbufos			
fenthion,	trichlorfon			
2A	GA8A-gated chloride channel antagonists	cyclodiene	endosulfan	
2B	GA8A-gated chloride channel antagonists	polychlorocycloalphanes	dicofol,	tetradifon
2C	GA8A-gated chloride channel antagonists	fipronil (or phenylpyrazoles)	fipronil	
2D	Neuronal inhibitor (unknown mode of action)	bifenazate	bifenazate	
3A	Sodium channel modulators	pyrethroids / pyrethrins	allethrin,	fenvalerate
			alpha-cypermethrin,	flumethrin
			betacyfluthrin,	fluvalinate
			bifenthrin,	gamma-cyhalothrin
			bioallethrin,	imiprothrin
			bioresmethrin,	lambda-cyhalothrin
			cyfluthrin,	permethrin
			cypermethrin,	prallethrin
			cypermethrin (zeta),	pyrethrins
			cyphenothrin,	tau fluvalinate
			deltamethrin,	tetramethrin
esbiothrin,	transfluthrin			
esfenvalerate,				
4A	Nicotinic Acetylcholine receptor agonists/antagonists	neonicotinoids	acetamiprid, imidacloprid,	thiacloprid thiamethoxam
4B	Nicotinic Acetylcholine receptor agonists/antagonists	nicotine	nicotine	
4C	Nicotinic Acetylcholine receptor agonists/antagonists	cartap, bensultap	No registered actives	
5A	Nicotinic Acetylcholine receptor agonists (allosteric) (not Group 4)	spinosyns	spinosad	
6A	Chloride channel activators	avermectins,	abamectin,	emamectin benzoate
6B	Chloride channel activators	milbemycins	milbemycin	
7A	Juvenile hormone mimics	juvenile hormone analogues	methoprene	
7B	Juvenile hormone mimics	fenoxycarb	fenoxycarb	
7C	Juvenile hormone mimics	pyriproxifen	pyriproxifen	

INSECTICIDES - RESISTANCE MANAGEMENT GROUPS

Group	Primary Target Site	Chemical Subgroups	Active Ingredients
8A	Compounds of unknown or non specific mode of action (fumigants)	methyl bromide	chloropicrin methyl bromide
8B	Compounds of unknown or non specific mode of action (fumigants)	phosphine generating compounds	aluminium phosphide phosphine magnesium phosphide
9A	Compounds of unknown or non specific mode of action (selective feeding blockers)	pymetrozine	pymetrozine
9B	Compounds of unknown or non specific mode of action (selective feeding blockers)	cryolite	cryolite
10A	Compounds of unknown or non specific mode of action (mite growth inhibitors)	clofentezine, hexythiazox	clofentezine hexythiazox
10B	Compounds of unknown or non specific mode of action (mite growth inhibitors)	etoxazole	etoxazole
11A	Microbial disrupters of insect midgut membranes (includes Transgenic B.t.crops)	<i>B.t. tenebrionis</i>	<i>B.t. tenebrionis</i>
11B	Microbial disrupters of insect midgut membranes (includes Transgenic B.t.crops)	<i>B.t. israelensis</i>	<i>B.t. israelensis</i>
11C	Microbial disrupters of insect midgut membranes (includes Transgenic B.t.crops)	<i>B.t. kurstaki, B.t aizawai*</i>	<i>B.t. kurstaki</i> <i>B.t. aizawai*</i>
11D	Microbial disrupters of insect midgut membranes (includes Transgenic B.t.crops)	<i>B.t. sphaericus</i>	<i>B.t. sphaericus</i>
11E	Microbial disrupters of insect midgut membranes (includes Transgenic B.t.crops)	<i>B.t. tolworthi</i>	<i>B.t. tolworthi</i>
12A	Inhibitors of oxidative phosphorylation, disrupters of ATP formation (inhibitors of ATP synthase)	organotin miticides	fenbutatin oxide
12B	Inhibitors of oxidative phosphorylation, disrupters of ATP formation (inhibitors of ATP synthase)	diafenthuron	diafenthuron
13A	Uncoupler of oxidative phosphorylation via disruption of H proton gradient	chlorfenapyr	chlorfenapyr
14A	Inhibition of magnesium stimulated ATPase	propargite	propargite
15A	Inhibitors of chitin biosynthesis, type 0 Lepidopteran	benzoylureas	chlorfluazuron, hexaflumuron, diflubensuron, triflumuron
16A	Ecdysone agonists / moulting disruptors	diacylhydrazines	methoxyfenozide tebufenozide
17A	Inhibitors of chitin biosynthesis type 1 Homopteran	buprofezin	buprofezin
18A	Moulting disruptor, Dipteran	cyromazine	cyromazine
19A	Octopaminergic agonists	amitraz	amitraz
20A	Mitochondrial complex III electron transport inhibitors (coupling site 11)	hydramethylnon	hydramethylnon
21A	Mitochondrial complex I electron transport inhibitors	rotenone, METI acaricides	fenpyroximate, rotenone pyridaben, tebufenpvrad
22A	Voltage dependent sodium channel blocker	indoxacarb	indoxacarb

* All members of this particular class may not be cross resistant

Insecticide Strategies:-

While it is critical for users to alternate products from different groups, other options offered by adopting an IPM approach are just as important. Issues such as good farm hygiene, monitoring insect build-ups, utilising biological options (beneficials, such as Gnatnem, an entomopathogenic nematode to control fungal gnat larvae) are just some of the strategies available in preserving and limiting the use of insecticides.

Please read the article in this manual, "Welcome To IPM With Ace" written by Dr Stephen Goodwin, which illustrates the advantages of being IPM minded.

LIVESTOCK HYGIENE

Product	Comments	Pack	
ARREST EASY DOSE	15 g/L deltamethrin	1, 2, 5, 20	L
BAYMEC POUR-ON FOR CATTLE	5 g/L ivermectin	1, 2.5, 5, 10	L
BAYTICOL CATTLE DIP & SPRAY	75 g/L flumethrin	250ml, 5	L
CLIK	50 g/L dicyclanil	20	L
CYDECTIN POUR-ON	5 g/L moxidectin	500	ml
		2, 5, 15	L
ECOMECTIN CATTLE POUR-ON	5 mg/ml ivermectin	1, 5, 20	L
EQUIMEC LIQUID	10 mg/ml ivermectin	100	ml
EQUIMEC PASTE-SYRINGE	18.7 g/kg ivermectin	6.42	g
EQUIBAN HORSE PASTE-SYRINGE	150 mg/ml morantel tartrate	35	g
FASINEX 100	10 g/100ml triclabendazole	2.2, 10	L
FLEXIBLE EAR TAGS- PLAIN OR STAMPED	various colours & sizes	100	pkt
FORMALDEHYDE	37 % 37:7 formaldehyde	5, 20	L
GLANVAC 6 B12	sheep & goat vaccine	250, 500	ml
IVERMECTIN EPRINEX POUR-ON	5 mg/ml eprinomectin	1, 2.5, 5	L
LEVAMISOLE ORAL	32 g/L levamisole hydrochloride	20	L
MOLASSES	pure sugar cane molasses	20, 200	L
PANACUR 25	25 g/L fenbendazole (sheep & goats)	5	L
PANACUR 100	100 g/L fenbendazole (cattle & horses)	1, 5	L
PESTENE POWER	50 g/kg sulphur + 10 g/kg rotenone	500	g
RAMETIN SHEEP DRENCH	800 g/kg naphthalophos	1.5	kg
RUMENSIN ANTI BLOAT CAPS.	32 g monensin	10 capsules	pkt
SALT LICK BLOCKS	calcium molasses- for all livestock	20	kg
SALT LICK BLOCKS	trace element + urea- for all livestock	20	kg
TERRAMYCIN PINK EYE AERO.	20 mg/g oxytetracycline hydrochloride	125	g
TERRAMYCIN PINK EYE POWDER	20 mg/g oxytetracycline hydrochloride	50	g
TIGUVON SPOT-ON	200 g/L fenthion	500ml, 2.5, 10	ml
ULTRAVAC 5 IN 1	sheep & cattle vaccine	100, 250, 500	ml
ULTRAVAC 7 IN 1	cattle vaccine	100, 250	ml
VALBAZEN	112.5 g/L albendazole	5, 20	L
ZAPP POUR-ON LOUSICIDE	25 g/L triflumuron	5, 20	L

IVERMECTIN
Baymec

Pour-on for Cattle

ORNAMENTAL CONDITIONERS & PRESERVATIVES

Product	Description	Pack	
CHRYSAL AVB	Contains silver thiosulphate, pre-treatment for carnations, lillies & summer flowers sensitive to ethylene.	1	L
CHRYSAL OVB	Pre-treatment for gypsophilia, dahlias, anemone & summer flowers insensitive to ethylene.	5	L
CHRYSAL RVB	Conditioner for roses, gerbera & chrysanthemum	5	L
FLORALIFE PROFESSIONAL-FRESH FLOWER FOOD	Increases storage life of flowers in refrigeration or at room temperature. Corrects water pH, provides energy & keeps vessels free flowing.	9.5	L
FLORALIFE QUICK DIP	Instant hydration pre-treatment to maximise solution uptake & keep flower stems free flowing.	3.785	L
STERI-MAX BIOCID	post-harvest treatment of cut flowers in containers	10	L

Floralife
the professional choice

Steri-max Biocide

PLANT GROWTH REGULATORS (PGR's)

Product	Active constituent	Crop	Pack	
ALAR 850 W	850 g/kg daminozide	ornamental plants	500	g
AUXINONE	0.075 g/L NAA + 0.075 g/L IAA + 2.25 g/L Vitamin B1	ornamentals, turf & sugarcane	500 5, 20	ml L
CITRUS STOP DROP	100 g/L 2,4-D dimethylamine	citrus	1	L
CONDENSE (Bonzi)	4 g/L paclobutrazol	ornamental plants	1	L
CUT-BACK	250 g/L paclobutrazol	pome, stone & mangoes	1	L
CYCOCEL 77A	77 g/L chlormequat chloride	grapes	5	L
CYLEX	20 g/L 6-benzyladenine	apples	10	L
CYTOLIN	19 g/L gibberellins A4 & A7 + 19 g/L 6-benzyladenine	apples & cherries	500	ml
DORMEX	520 g/L cyanamide	grapes & kiwifruit	5	L
ETHREL	480 g/L ethephon	apples, cherries, grapes citrus & tomatoes	5, 20	L
GIBBERELIC ACID	100 g/L gibberellic acid	citrus, grapes & prunes	1	L
GROWTH FORMULA	0.075 g/L NAA + 0.075 g/L IAA + 2.25 g/L Vitamin B1	ornamentals, turf & sugarcane	5, 20	L
NAA STOP DROP	20 g/L NAA	pome & ornam. cuttings	1, 5	L
PAYBACK (Cultar)	250 g/L paclobutrazol	pome, stone & mangoes	1	L
PRIMO MAXX	120 g/L trinexapac-ethyl	turf	5	L
PROGIBB GA	100 g/L gibberellic acid	citrus, grapes & prunes	500	ml
PROGIBB SC	400 g/kg gibberellic acid	citrus, grapes & prunes	250	g
PROMOTE 480	480 g/L ethephon	apples, cherries, grapes citrus & tomatoes	20	L
RALEX	40g/L gibberellic acid	citrus & stonefruit	5	L
REGALIS	100g/kg prohexadione - calcium	apples	1	kg
RETAIN	150g/kg AVG	apples & stonefruit	415	g
SUNNY	50g/L uniconazole-P	avocados	5	L
TOMATO SET	10 g/L beta NAA	tomatoes	1	L
WAIKEN	388 g/L methyl esters of fatty acids	apples, cherries & grapes	20 200	L L

T O M C A T L E A D I N G T H E W O R L D

TOMCAT
RODENTICIDE

Developed by the team of dedicated chemists and biologists at Bell Laboratories, TOMCAT and TOMCAT II are universally the most accepted and effective anticoagulants available. With great attention paid to purity of active and only using human grade food in their baits, TOMCAT baits are your most effective weapons against rats and mice.

TOMCAT
BROMADIOLONE

Also available in
**SUPER BLOX
PELLETS
PLACE PACS**

Last bait than TOMCAT II

TOMCAT II
BROdifALOUm

Also available in
**SUPER BLOX
PELLETS**

Single-feed + Fast-acting

TOMCAT
SAFETY BAIT STATION

***TOMCAT tamper resistant bait stations are multi-use. First, they protect non-targets, such as dogs, cats, livestock and children from the bait. They can be safely placed in many baiting situations and equally important, rats and mice actually enjoy feeding inside them.

TOMCAT
"High Top"
Station

For Rats & Mice

Ideal for perimeter baiting; can be attached to permanent structure or staked to the ground.

TOMCAT LP
"Low Profile"

For Rats & Mice

Low profile makes it ideal to use indoors under pallets and in other tight baiting spots.

TOMCAT RTU

For Mice

Small, triangular shape fits in corners and along walls where rodents travel.

TOMCAT
NON-CHEMICAL

Non-toxic glue boards are ideal in situations where baits cannot be used. They're quick, clean, effective and leave physical evidence of the rodent so you know the job is done. New TOMCAT multi catch and reusable mousetrap - super effective, economical and safe. Multi-catch catches up to ten mice per setting.

TOMCAT
GLUE BOARDS

TOMCAT
GLUE TRAPS

TOMCAT
MOUSE TRAPS

TOMCAT
Multiple Catch
Mouse Traps

POST HARVEST

Product	Active constituent	Group	Pack	
APPLE LUSTR 331	micro emulsion carnauba based wax		19, 209	L
APPLE LUSTR PREMIUM	high shine shellac based wax		19, 209	L
APPLE WASH DETERGENT	high foam detergent for cleaning fruit & vegetables		25, 200	L
CARNAUBA XTRA APPLE WAX	carnauba based, high resistance to white spotting		25, 200	L
CHEMLEY NO SCALD DPA	310 g/L diphenylamine- reduction of scald- pome		5, 19	L
CITRUS LUSTR 402	long life (12-14 weeks) shellac based wax		19, 209	L
CITRUS WASH DETERGENT	citrus cleaner & aid to sooty mould removal		25, 200	L
CIVET AQUA	500 g/L iprodione- dip for pome & stone fruit	B	5	L
DEWAX	alkaline salt based machinery cleaner		25	L
DIAMANTINA CITRUS WAX	carnauba/shellac based high quality wax		25, 200	L
DPA 310 SCALD INHIBITOR	310 g/L diphenylamine		25	L
FRESCA SULPHUR PADS	970 g/kg sodium metabisulphite- botrytis in t/grapes	Y	500,750	pad
FRUIT & VEGETABLE KLEEN 451	food grade cleaner, alkaline based, removes light sooty mould, low foaming.		19, 209	L
IMAZAGARD 800 EC	800 g/L imazalil- for citrus storage rots	C	500	ml
NYLATE YM-FAB	920 g/kg bromochlorodimethylhydantoin- microbiocide		4, 10, 22.7	kg
PANOCTINE	400 g/L guazatine- citrus, rockmelons & tomatoes	X	5	L
PEACH, NECTARINE & PLUM LUSTR 251	water miscible wax imparting a rich gloss and reducing moisture loss		19	L
ROVRAL AQUAFLO	500 g/L iprodione- dip for pome & stone fruit	B	5	L
SAPROL	190 g/L triforine- brown & rhizopus rot- stonefruit	C	5	L
SPIN FLO	500 g/L carbendazim- bananas, citrus, pome & stone, mangoes & rockmelons	A	5, 20	L
SPOREKILL	120g/L didecyldimethyl ammonium chloride- cut flowers & general packing shed & equipment sanitiser		5, 20	L
SPORTAK FUNGICIDE	450 g/L prochloraz- post harvest diseases on avocados, bananas & tropical fruits	C	1	L
STERI-MAX BIOCID	120 g/L didecyldimethyl ammonium chloride		10	L
SUPER APPLE WASH	high foam detergent for hard to clean fruit		25	L
TECTO FLOWABLE SC	500 g/L thiabendazole- bulbs, bananas, pome & citrus	A	5	L
TURCOSAN	stabilised chlorine, for use on fruit, pH buffered		20	kg
TURCOSAN TEST STRIPS	colour indicator for chlorine levels			pkt
VEGETABLE LUSTR 227F	wax to improve finish & shine on carrots & tomatoes		19, 209	L



Liquid Fungicide for Dipping



PRODUCTS IN FOCUS (IHD)

Acramite (Miticide)	1L, 5L	Active Constituent: 480 g/L Bifenazate. A selective miticide for the control of plant eating mites on pome fruit
Actellic 900 SF (Insecticide)	500mL 5L	Pirimiphos-methyl 900 g/L Solvent free insecticide for the control of insect pest in stored cereal and a range of public health situations.
Admiral (Insecticide)	5L	Active Constituent: 100 g/L Pyriproxyfen. Insect growth regulator.
Afalon (Herbicide)	10L	Active Constituent: 450 g/L Linuron Suspension concentrate for the control of certain weeds in carrots, onions, coriander and other crops
Alar WG (Growth Regulant)	500g	Active Constituent: 850 g/kg Daminozide Controls height and promotes flowering of ornamental plants
All Clear	5L	New generation tank and boom cleaner decontaminant for removal of difficult to clean agrochemical residues
Ambush (Insecticide)	1L	Active Constituent: 500 g/L Permethrin (40:60) For control of insects in various crop types
Baron (Herbicide)	1kg	Active Constituent: 400 g/L Oxyfluorfen. Selective weed control in onions & vegetable brassicas
Basamid (Soil Fumigant)	20kg	Active Constituent: 940 g/kg Dazomet For the control of nematodes, soil inhabiting insects, soil fungi and germinating seeds of weeds
Biocover	5L, 20L, 208L	New technology spraying oil of very high purity for optimal balance between crop safety and efficacy on a wide range of insects and certain diseases
Bladex 900WG (Herbicide)	5kg	A selective herbicide for weed control in peas, chickpeas, faba beans, vetch, lentils, potatoes, onions & sweet corn
Blazer 224L (Selective Herbicide)	10L	Active Constituent: 224g/L Acifluorfen For the selective control of certain broadleaf weeds and grasses in mung beans, peanuts, soybeans and seed crops of Siratro and Stylo
Bogard (Foliar Fungicide)	1kg	Active Constituent : 100 g/kg Difenconazole Controls Black spot (Apple Scab and Pear Scab) of apples and pears
Cameo 500 (Herbicide)	10L	Active Constituent: 500 g/L Oryzalin. Premium pre-emergent weed control in vines, tree crops, ornamentals and amenity plantings of all ages including newly planted crops. For pre-emergent control of certain annual grasses and broadleaf weeds in non-bearing and bearing fruit and nut orchards, vineyards, tropical fruit crops, nursery and ornamentals, nuts and berries
Casoron G (Herbicide)	25kg	Active Constituent: 67.5 g/kg Dichlobenil For pre-emergent weed control in orchards and vineyards; established shrubs and trees in flower beds and lawns in gardens and nursery stock in pots or fields, blackcurrants, raspberries and gooseberries and for weed control around commercial, industrial and aquatic areas
Cavalier (Herbicide)	1L, 5L	For selective weed control of broadleaf weeds and some grasses
Chorus (Foliar Fungicide)	5kg	Active Constituent: 500 g/kg Cyprodinil Foliar fungicide, controls Black spot (Apple Scab & Pear Scab) of apples and pears
Cosmos Seed Treatment	1L	Insecticidal seed treatment to control various pests in canola, rice, sorghum and sunflowers and to protect seedlings from attack from black field earwig
Copper Oxy (Fungicide)	25kg	For the control of certain diseases of fruit trees, vines, and vegetables.
Copper Sulphate	25kg	Corrects copper deficiency, controls algae on paths and in ponds
Coppox (Fungicide/Bactericide).	1kg	500 g/kg Copper Oxylchloride A wettable powder for the control of certain diseases in fruit and vegetable crops
CyLex (Growth Regulator)	10L	Active Constituent: 20 g/L 6-Benzyladenine For reducing fruit set, increasing fruit size and improving firmness of harvested apples
Deadmag (Veterinary Pesticide)	1L	Active Constituent: 14.4 g/L Propetamphos and 400 g/L Paradichlorobenzene. For the treatment of blowfly struck sheep.
Delfin WG (Insecticide)	5kg, 30kg	Active Constituent: <i>Bacillus Thuringiensis</i> . Biological Insecticide. Controls Larvae in cole crops, fruit trees, nuts, ornamentals and vines
Designer	5L, 10L	Enhanced wetter and super-spreader, which is a combination of a powerful organosilicone and a latex polymer. For Low water volume applications
Devrinol 500WG (Herbicide)	2.5kg	Active Constituent: 500 g/kg Napropamide For pre-emergence control of certain weeds in direct seeded and transplanted tomatoes, almonds, grapevines and stone fruit
DiPel DF (Insecticide)	500g, 5kg, 50kg	Active Constituent: <i>Bacillus thuringiensis subsp.kurstaki</i> , Strain HD-1 Controls lepidopteran caterpillars in agricultural and non-agricultural—Uses: vegetables, fruit, vines, oilseeds, cereal grains, herbs, tobacco, ornamentals, forestry, amenity trees and turf
DiPel SC (Insecticide)	20L, 200L, 1000L	Active Constituent: <i>Bacillus thuringiensis subsp.kurstaki</i> , Strain HD-1 For control of Bollworm (<i>Helicoverpa armigera</i>) and Native Budworm (<i>H. punctigera</i>) on cotton
Duwett	5L, 10L	Organosilicone based super-spreader that also improves retention and deposition of spray droplets on all plant surfaces. For low water volume applications.



PRODUCTS IN FOCUS (IHD)

Fongarid 250WP (Systemic Fungicide)	500g	Systemic fungicide for control of damping off and root diseases caused by <i>Pythium</i> and <i>Phytophthora</i> fungi in ornamental flowers, shrubs and trees
Garrison (Fungicide)	2L	Active Constituent: 2.5 g/L Cyproconazole (DMI Fungicide 1g/L Iodocarb) For the prevention of Silver leaf fungus (<i>chondrostereum purpureum</i>) on pruning wounds and wind damaged limbs of apples, apricots, peaches, plums and ornamentals
Greenex Aqua	250g, 1kg	<i>bacillus subtilis</i> & activated charcoal- bacteria that feed on phosphorous, nitrates, ammonia & decomposing organic matter, resulting in far cleaner water. Ideal for dams, ponds, tanks, troughs & fountains.
IHD Spray Diary	Ea	Properly formatted so growers can fulfil spraying regulations.
Imperator Smoke Generator	3.5g, 31g	A smoke generator for control of a wide range of insects in domestic and commercial buildings.
Mancozeb 800 (Fungicide)	1.5kg	For the control of certain diseases in a variety of fruit & vegetable crops.
Mastamite (Miticide)	1kg, 10kg	Active Constituent: 240 g/kg Dicofol 100 g/kg Tetradifon For the control of all stages of mites on fruit trees, vegetables and ornamentals
Mavrik Aquaflo (Miticide/Insecticide)	1L	Active Constituent: 240 g/L Tau-fluvalinate An ideal broader spectrum miticide and insecticide, well suited for use in ornamentals, flowering plants and shrubs. In addition to activity on Two spotted Mite, Mavrik controls many of the caterpillars which can become a serious threat. Mavrik combines a high level of effectiveness on these pests when used at recommended label rates will and will not harm bees
MAXX Surfactant (Growth Regulator)	500ml	Active Constituent: 1020 g/L Polyether i.e. Polysilox A non-ionic wetter/spreader/penetrant for use with Retain Plant Groth Regulator and other agricultural pesticides
Metarex (Molluscide)	10kg	Active Constituent: 50 g/kg metaldehyde + Bitrex animal repellent. High strength, high palatability, persistent, all weather slug and snail bait.
Miti-fof 240 EC (Miticide)	5L, 20L	Active Constituent: 240 g/L Dicofol For the control of mites on fruit and vegetable crops and ornamentals
Mobait	10L	Insect feeding attractant for Bt's and certain other insecticides for faster, more consistent insect control
Monitor (Pesticide)	10L	Active Constituent: 580 g/L Methamidophos For the control of various pests of certain vegetables, ornamentals, peaches and peanuts
MOTSA (Herbicide)	10L	Active Constituent: 200 g/L Clethodim 50 g/L Haloxyfop A post-emergence grass herbicide for use in winter legume and canola crops
Multiguard	2.5kg, 20kg	Active Constituent: 60 g/kg Iron EDTA Complex For the control of brown and white snails in vineyards
Nu-Film-17	5L, 20L, 208L	Non-ionic extender-sticker-spreader containing 904 g/L di-1-p-Menthene
Nylate (YM-FAB)	4, 10, 22.7kg	Active Constituent: 920 g/kg bromochlorodimethylhydantoin Halogen based broad spectrum biocide, controlling algae, bacteria, fungi & mould. Applied to vegies, fruit, cut flowers, as post-harvest, via irrigation or seedlings.
Omite 300W (Miticide)	1kg, 10kg	Active Constituent: 300 g/kg Propargite For the control of mites in crops
Orthene Xtra (Insecticide)	1kg, 5kg	Active Constituent: 970 g/kg Acephate (An anticholinesterase compound) For the control of certain pests on bananas, crucifers, macadamias, ornamentals, potatoes, tobacco and tomatoes
Orthocide WG (Fungicide)	10kg	Active Constituent: 800 g/kg Captan Water dispersible granule fungicide for the control of certain diseases in a range of fruit crops, greenhouse crops, ornamentals and turf
Pantera (Herbicide)	1L, 10L	Active Constituent: 120 g/L Quizalofop-P-Tefuryl Solvent: 679g/L Hydrocarbon Liquid For the control of certain grass weeds in broadleaf crops
Paramite (Miticide)	5L	Active Constituent: 110 g/L Etoxazole. Selective miticide for apples. Moulting inhibitor (IGR) which stops eggs, larvae & Nymph development on contact & Sterilises adult females.
Phosdrin (Pesticide)	500ml	Active Constituent: 1110 g/L Mevinphos For the control of certain pests on Brassica crops. Poison 6.
Plantvax 750W (Fungicide)	500g	Active Constituent: 750 g/kg Oxycarboxin For control of rust in green beans, geraniums, roses, carnations, irises, chrysanthemums and snapdragons
Polyram DF (Fungicide)	15kg	Active Constituent: 700 g/kg Metiram For the control of fungal diseases in apples, pears, grapevines and certain vegetable crops
Potato Stop Sprout	10kg	Active Constituent: 25 g/kg Chlorpropham For dusting stored potatoes to prevent sprouting
ProGibb 10% GA (PGR)	500ml	Active Constituent: 100 g/L Gibberellic Acid Solvent: 742g/L Methanol For foliar spray application to certain varieties of grapes, citrus and prunes to promote desirable harvest effects
ProGibb 40% SG	250g	Active Constituent: 400 g/kg Gibberellic Acid For foliar spray application to certain varieties of grapes, citrus and prunes to promote desirable harvest effects
Propon 2,2DPA (Herbicide)	25kg	Control of annual and perennial grasses including paspalum, Johnson couch, kikuyu, cumbungi, rushes and sedges
Pyramin (Herbicide)	20kg	Active Constituent: 650 g/kg Chloridazon A pre-emergent herbicide for the control of annual broadleaf weeds and various grasses in red beet, silver beet and fodder beet
Pyranica (Miticide 200g/kg)	1kg	For the control of two-spotted mite and european red mite in apples, pears and peaches and two spotted mite in ornamentals



PRODUCTS IN FOCUS (IHD)

Ralex (Growth Regulator)	5L	Active Constituent: 40 g/L Gibberellic Acid For reduction of flowering and fruiting (thinning) of apricots, nectarines and peaches in the season following application
ReTain (Growth Regulator)	415g	Active Constituent: 150 g/kg Aminoethoxyvinylglycine (AVG) A naturally occurring plant growth regulator for apples, peached and nectarines which can improve harvest management, fruit quality and storage potential
Rizolex 100D (Fungicide)	2kg	Active Constituent: 100 g/kg Tolclofos-methyl For the control of Rhizoctonia solani in cotton and seed borne Rhizoctonia solani in potatoes
Rizolex Liquid 500 L (Fungicide)	5L	For the control of rhizoctonia solani in cotton and seed borne rhizoctonia solani in potatoes
Select (Herbicide)	1L, 10L	Active Constituent: 240 g/L Clethodim Solvent: 663 g/L Liquid Hydrocarbons For the control of certain grass weeds in beetroot, cabbage, canola, celery, chickpeas, cotton, faba beans, field peas, forestry, lentils, lettuce, lupins, mung beans, non-bearing fruit trees, onions, ornamentals, peanuts, potatoes and soybeans
Spray-aide	5L, 20L, 208L	Compatibility-acidifying-surfactant agent with added tank and nozzle cleaning properties
Steri-max Biocide	10L	general farm sanitizer- disinfecting pruning shears, sowing & planting equip., cold rooms & footbaths, packing sheds, seed trays & packing crates, irrigation water, cut flowers & harvesting equipment. Nil WHP.
Storm Secure (Rodenticide)	500g 3kg, 10kg	Active Constituent: 0.05 g/kg Flocoumafen. Wax block bait, controlling rats & mice in a single feed
SulfoStar (Fungicide)	15kg	Active Constituent: 800 g/kg Sulphur (S) For control of certain fungal diseases and mites in grapevines and other crops
Sulfur	2.5kg	Active Constituent: 800 g/kg Wettable sulphur. Broad spectrum fungicide & miticide
Sumi-Alpha Flex (Insecticide)	5L, 20L	Active Constituent: 50 g/L Esfenvalerate Solvent: 774g /L Liquid Hydrocarbons For the control of certain insect pests on field crops, pasture and vegetable crops
Sumiscler 500 (Fungicide)	5L, 10L	Active Constituent: 500 g/L Procymidone. Contains a dicarboximide fungicide, for the control of certain fungal diseases on various crops.
Sumiscler Broadacre (Fungicide)	5L, 20L	Active Constituent: 500 g/L Procymidone. Contains a dicarboximide fungicide, for the control of chocolate spot in faba beans and brown leaf in lupins
Sunny (Growth Regulator)	5L	Active Constituent: 50 g/L Uniconazole-P A plant growth regulating material for enhancement and improvement of fruit shape and reduction in vegetative growth
Suprathion (Pesticide)	10L	Active Constituent: 400 g/L Methidathion – For the control of pests on various crops
Surround WP (Crop Protectant)	12.5kg	950 g/kg Kaolin. Wettable powder. A Natural Mineral-based Product for the management of Sunburn and Heat Stress in certain fruit and vegetables
Tato Dust	10kg	Active Constituent: 200 g/kg Mancozeb. Controls Potato Seed Piece Breakdown
Tato Vapo	20L, 200L	Active Constituent: 500 g/L Chlorpropham Solvent: 465 g/L Hydrocarbon Liquid For vapour phase treatment of stored table potatoes to prevent sprouting
Terraclor 750 (Fungicide)	2.5kg, 10kg	Active Constituent: 750 g/kg Quintozeone For control of soil born diseases of vegetables, cotton, turf, peanuts and ornamentals
Terrazole 350WP (Fungicide)	2kg, 10kg	Active Constituent: 350 g/kg Eetridiazole. Controls Damping Off, Root and Stem Rot of ornamentals and turf
Thiraflo (Fungicide)	20L	Active Constituent: 600 g/L Thiram. A flowable seed treatment for the control of seed-borne and seedling root pathogens of Chickpeas and seed-borne anthracnose of Lupins
Umet 100G (Insecticide)	20kg	Active Constituent: 100 g/kg Phorate. For the control of sucking insects in cotton, vegetables and ornamentals
Vanquish (Fungicide)	10L	Active Constituent : 250 g/L Iprodione. Fungicide – Seed Treatment For the control of brown leaf spot and the suppression of hypocotyl rot
Vapor Gard	5L, 20L, 208L	Anti-transpirant concentrate for fruits and vegetables containing 904 g/L di-1-p-Menthene
Vitavax 750C (Fungicide)	7kg	Active Constituent : 750 g/kg Carboxin / 6.4 g/kg Cypermethrin. Fungicide – Seed Treatment
Vitavax 200FF (Fungicide)	20L	Active Constituent : 200 g/L Carboxin / 200 g/L Thiram. Protects against smuts disease, bunt and Phoma in Wheat, Barley, Oats, Triticale, Maize and Sweet Corn
Waiken (Spray Emulsion)	20L, 200L	Active Constituent: 388 g/L Methyl Esters of Fatty Acids. For the initiation of dormancy break in apples and cherries
Wuxal Liquid (Foliar Nutrient)	20L, 200L	Active Constituent: Liquid Foliar 145 g/L Calcium 7 g/L Manganese 7 g/L Zinc And a natural, concentrated polypeptide and amino acid additive A highly efficacious formulation designed for late season use on apples to control bitter pit and promote fruit colour. The products application will also reduce storage diseases
Wuxal Aminocal	20L	Calciumchloride solution containing 15% calcium oxide, 0.5% Mn & 0.5% Zn. Rate 5L/ha.
Wuxal Calcium (Foliar Nutrient)	10L	Active Constituent: Foliar Nutrient Nitrogen (N): 16.0%w/v Calcium (Ca): 17.2% w/v Magnesium (Mg): 1.8% w/v A suspension-type fertiliser containing nitrogen, calcium and magnesium trace element for foliar application to crops where disorders due to insufficient calcium are anticipated
XenTari (Pesticide)	500g, 5kg	Active Constituent: Bacillus thuringiensis subsp. Aizawai, serotype H-7, Strain ABTS-1857 Controls cabbage moth, cabbage white butterfly, cabbage centre grub and cabbage cluster caterpillar in cole crops
Zee—Mil 680WP (Fungicide)	10kg	Active Constituent: 640 g/kg Mancozeb 40 g/kg Metalaxyl For control of Downey Mildew and certain other foliar diseases of tobacco and vegetables
Zee-Mil 50 G (Fungicide)	10kg	Systemic Granular Fungicide Active constituent : 50 g/kg Metalaxyl For control of phytophthora root rot of avocados, phytophthora root rot and trunk canker of macadamia nuts, phytophthora trunk rot of peaches, damping off of certain vegetable crops
Ziragranz (Fungicide)	20kg	Active Constituent: 760 g/kg Ziram. Controls Black spot and other fungal diseases of celery, grapes, pome and stone fruits and roses
Zoliar DF (Herbicide)	5kg	Pre-emergent residual herbicide for the control of hard to control broadleaf and grass weeds that conventional herbicides leave behind. Controls a broad spectrum of annual grass and broadleaf weeds, and suppresses several perennial weeds. In cotton, ZOLIAR DF provides superior residual control for nutgrass and anoda weed.

PUBLIC HEALTH

Product	Active constituent	Group	Pack	
ABATE 10 SG	10 g/kg temephos	1B	20	kg
ACTELLIC 900 SF	900 g/L pirimiphos methyl	1B	500ml, 5	L
AMDRO ANT BAIT	7.3 g/kg hydramethylnon	20A	170, 450	g
BIRD BEWARE SPIKES	3 prong spike		each, 40	ctn
BISECT 100 EC	100 g/L bifenthrin	3A	5, 20	L
BROMAKIL DRINK	0.5 g/L bromadiolone		500	ml
BROMAKIL GRAIN BAIT	0.05 g/kg bromadiolone		500 2, 15	g kg
BROMAKIL PELLETS	0.05 g/kg bromadiolone		1, 10	kg
BROMAKIL WAX BLOCKS	0.05 g/kg bromadiolone		140, 500 2, 10	g kg
BUNNY BAIT	0.5 g/kg pindone as sodium salt		2.5, 5, 10	kg
CHLORPYRIFOS GRANULES	50 g/kg chlorpyrifos	1B	500 10	g kg
CISLIN 10	10 g/L deltamethrin	3A	2.5	L
COCKROACH & SPIDER KILLER	15 g/L alpha - cypermethrin	3A	1	L
COOPEX DUST	10 g/kg permethrin 25:75	3A	10	kg
COOPEX RESIDUAL	250 g/kg permethrin 25:75	3A	25, 500 1	g kg
DICHLORVOS 1140	1140 g/L dichlorvos	1B	500 2.4, 20	ml L
DURSBAN MICRO-LO	450 g/L chlorpyrifos	1B	5, 20	L
FICAM W	800 g/kg bendiocarb	1A	150 1.5	g kg
IMPERATOR SMOKE GENS	47.5 g/kg permethrin 110 g/kg potassium chlorate	3A	3.5 31	g g
MAXFORCE COCKROACH GEL	16.5 g/kg hydramethylnon		60	g
PERIGEN 500	500 g/L permethrin 25:75	3A	1, 20	L
PERMEX 100	100 g/L permethrin 25:75	3A	1	L
PROLONG 100	100 g/kg cyfluthrin	3A	100g, 1	kg
QUICKBAYT FLY BAIT	5 g/kg imidacloprid + 1 g/kg (z)-9-tricosene	4A	350 2	g kg
RACUMIN 8 CONCENTRATE	8 g/kg coumatetralyl		1, 10	kg
RACUMIN R & M PASTE	0.37 g/kg coumatetralyl		500 5	g kg
RODEX B BLOCKS	0.05 g/kg brodifacoum		300 1, 5	g kg
RODEX B PELLETS	0.05 g/kg brodifacoum		350 1.25 2.5, 10	g kg kg
SOLFAC 50EW	25 g/L betacyfluthrin	3A	200	ml
STORM SECURE (wax blocks)	0.05 g/kg flocoumafen		500 3, 10	g kg
STRIKEOUT PC	500 g/L chlorpyrifos	1B	5, 20	L
TALON RODENTICIDE PELLETS	0.05 g/kg brodifacoum	6A	200 1, 10	g kg
TALON WAX BLOCKS	0.05 g/kg brodifacoum	6A	1	kg
TOMCAT BLOX (green)	0.05 g/kg bromadiolone		8	kg
TOMCAT II BLOX (red)	0.05 g/kg brodifacoum		8	kg
TOMCAT MOUSE GLUE BOARD	plastic			ea
TOMCAT MOUSE TRAP	reusable			ea
TOMCAT RAT GLUE BOARD	plastic			ea
TOMCAT RAT TRAP	reusable			ea
TOMCAT RODENT STATION	HD plastic taper-proof station			ea
VECTOBAC AS	<i>bacillus thuringiensis israel.</i>	11B	10	L
WEBZONE	100 g/L bifenthrin	3A	500 1, 5	ml L

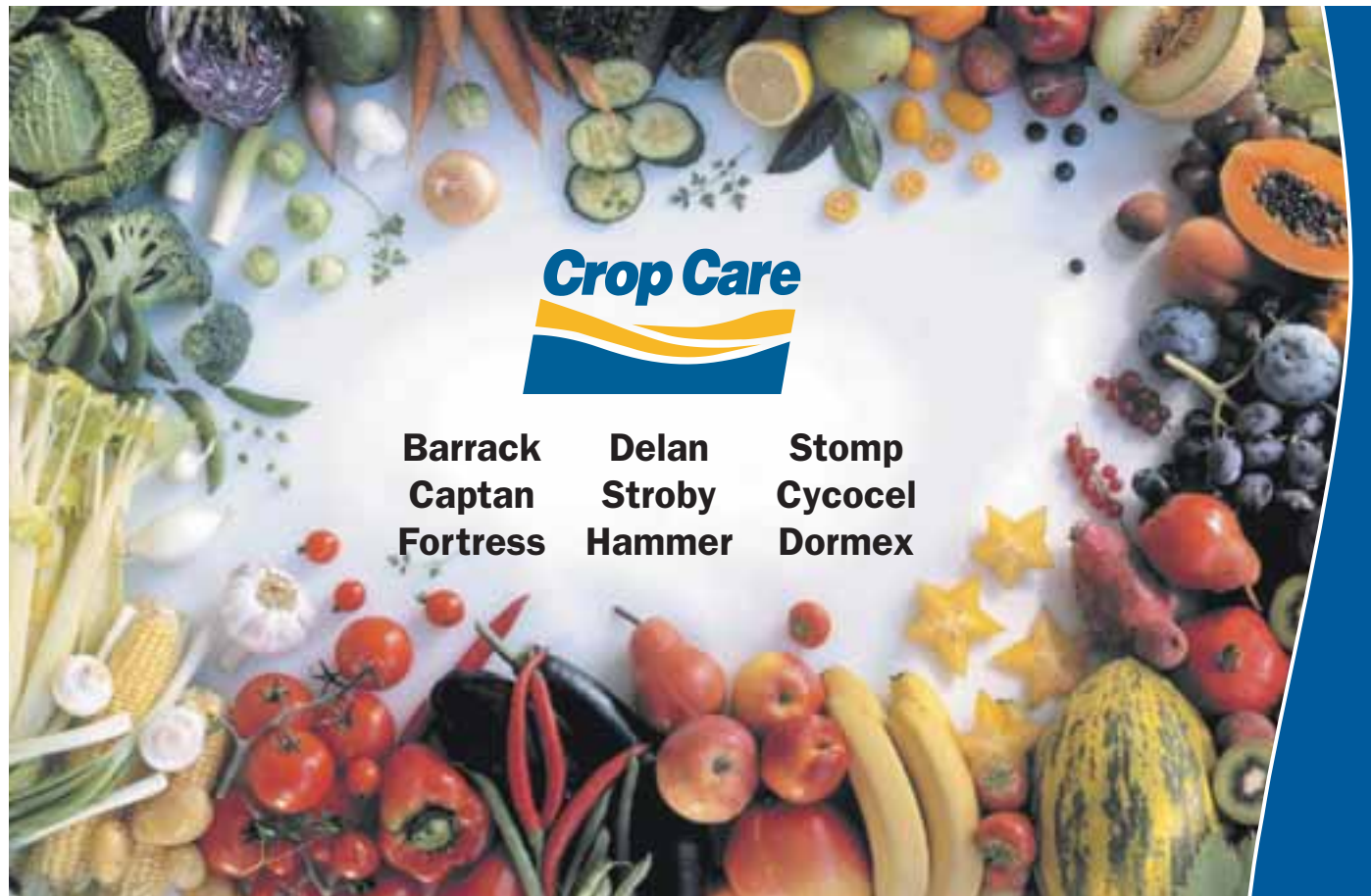


SEED TREATMENTS

Product	Active constituent	Group	Pack	
APRON XL 350 ES	350 g/L metalaxyl-M	D	250 1, 20	ml L
BAYTAN T (Flowable)	150 g/L triadimenol + 4 g/L cypermethrin	C 3A(I)	10 100	L L
CAESAR	200 g/L triticonazole 4 g/L cypermethrin	C 3A(I)	10	L
COSMOS	500 g/L fipronil	2C	1	L
MAXIM 100 FS	100 g/L fludioxonil	L	1, 5	L
MONCEREN 125 DS	125 g/kg pencycuron	X	20	kg
QUANTUM	167 g/L fluquinconazole	C	10	L
RIZOLEX 100D	100 g/kg tolclofos-methyl	X	2, 20	kg
RIZOLEX LIQUID	500 g/L tolclofos-methyl	X	5	L
ROVRAL LIQUID SEED DRESSING	250 g/L iprodione	B	5, 20	L
TATO DUST	200 g/kg mancozeb	Y	10	kg
TATO VAPO	500 g/L chlorpropham	N/A	20	L
THIRAFLO	600 g/L thiram	Y	20	L
THIRAM WP	800 g/kg thiram	Y	2, 25	kg
VANQUISH	250 g/L iprodione	B	10	L
VITAVAX 20 OFF	200 g/L carboxin + 200 g/kg thiram	G Y	20	L
VITAVAX 750 C	750 g/kg carboxin + 6.4 g/kg cypermethrin	G 3A(I)	7	kg

Maxim[®]100 FS

FUNGICIDE SEED TREATMENT



Crop Care

Barrack	Delan	Stomp
Captan	Stroby	Cycocel
Fortress	Hammer	Dormex

Grow with Confidence

Customer service Australia wide 1800 111 454



SOFT OPTIONS

* DENOTES BIOLOGICAL FARMERS OF AUSTRALIA (BFA) APPROVED.

Product	Active constituent	Type	Pack	
ABRADE	450 g/L amorphous silica	Phys.	1, 5, 20	L
AMINOGRO *	trace element fortified marine protein liquid		10, 20 200	L L
ARCADIAN SSE *	100% seaweed extract plant promotant		2.5, 5, 20	kg
AZAMAX *	1.2% azadirachtin neem extract + vegetable oil	Bio	5, 20	L
BEE-SCENT	9.5% pheromones & 42.5% other natural attractants	Attract	10	L
BIO-COVER	840 g/L petroleum oil	Oil	20, 200	L
BIOREPEL *	garlic concentrate	Repel.	3.78	L
BTK BIO	<i>Bacillus thuringiensis var kurstaki</i>	11 C	20	L
COMPANION	<i>Bacillus subtilis GB03</i>	Bio	3.5, 18.9	L
DELFIN WDG	<i>Bacillus thuringiensis var kurstaki</i>	11C	5, 30	kg
DIPEL DF *	<i>Bacillus thuringiensis kurstaki</i>	11C	500 5, 50	g kg
ECO-CARB *	940 g/kg potassium carbonate	Y	5, 10, 20	kg
ECO-OIL *	850 g/L emulsifiable botanical oils	Oil	1, 5, 20	L
ENTRUST *	800 g/kg spinosad	5A	450	g
FULL-BAC WDG	<i>Bacillus thuringiensis var kurstaki</i>	11C	5	kg
FUMAFERT *	mustard seed meal & neem cake	Fum.	20	kg
GEMSTAR *	2000 million/mL polyhedral occlusion bodies of the nuclear poly-hedrosis virus of <i>Helicoverpa ar.</i>	Bio	10	L
GNATNEM	entomopathic nematodes (control of fungal gnat larvae)	Bio	25, 50	Mill.
GREEN GUARD SC	<i>Metarhizium anisopliae var. acridum</i>	Bio	250 g, 1.8	kg
INSEGAR 250 W	250 g/kg fenoxycarb	7B	200	g
ISOMATE COD.MOTH II	97 g/400 dispensers-mixed pheromones	Bio	400	Pk
ISOMATE LBAM	96 g/400 dispensers-mixed pheromones	Bio	400	Pk
ISOMATE OFM	96 g/400 dispensers-mixed pheromones	Bio	400	Pk
MOBAIT	265 g/ L food flavourings	Attract	5,10	L
MULTIGUARD SNAIL BAIT	90 g/kg ferric EDTA- NASAA approved	Bio	2.5, 20	kg
NATRASOAP *	430 g/L fatty acid potassium salts	Bio	1, 5 20, 200	L L
NATURALURE F/F BAIT *	0.24 g/L spinosad	5A	4	L
NU-FILM 17 *	904 g/L di-1-P-menthane	Bio	5, 20	L
PRO-GIBB SG *	400 g/kg gibberellic acid	PGR	250	g
PYRETHRUM ORGANIC SF	75 g/L pyrethrums (solvent free)	Bio	1, 5, 20	L
SPRAYTECH OIL *	903 g/L emulsifiable vegetable oil	Oil	1, 5, 20	L
SUPERZYME *	<i>bacillus subtilis + pseudomonas SPP</i>	Bio	1	kg
SYNERTRON HORTI OIL *	905 g/L emulsifiable botanical oil	Oil	5, 20,200	L
TRI-D 25 *	<i>trichoderma koningii + trichoderma harzianum</i>	Bio	1	kg
TRICH-A-SOIL WP *	<i>trichoderma viride + T harzianum</i>	Bio	1.25	kg
TRICH-A-SOIL GRAN. *	<i>trichoderma viride + T harzianum</i>	Bio	10	kg
VAPOR GARD *	904 g/L di-1-P-menthane	Resin	5, 20, 200	L
VECTOBAC WG	<i>Bacillus thuringiensis israelensis H14-min.30001TU/mg</i>	11B	5	kg
VINEVAX BIO IMPLANTS *	100 MCFU/Wd <i>trichoderma harzianum</i>	Bio	1000	Pk
VINEVAX WOUND DRESS *	500 MCFU/g <i>trichoderma harzianum</i>	Bio	100	g
XENTARI *	<i>Bacillus thuringiensis aizawai</i> Strain ABTS-1857	11C	500 5	g kg


HELICOVERPA MANAGEMENT THROUGH BIOSCIENCE BIOLOGICAL INSECTICIDE

SPRAY ADJUVANTS

Product	Active constituent	Pack	
ACTIVATOR SURF.	900 g/L non-ionic surfactant	5, 10	L
AGRAL	600 g/L nonyl phenol ethylene oxide condensate	5, 20	L
AGRI-BUFFA	430 g/L phosphate esters + 100 g/L polyalkylene oxide	20, 200	L
BOND	450 g/L synthetic latex + 100 g/L surfactant	5, 10	L
BRUSHWET	1020 g/L polyether modified polysiloxane	250 1, 5, 20	ml L
CHEMWET 1000	1040 g/L non-ionic ethoxylates	5, 20	L
COMPANION	345 g/L soyal phospholipids + 355 g/L propanoic acid	5 10, 20	L L
DESIGNER	385 g/L organosilicone + 255 g/L synthetic latex	5, 10	L
DRI-GON LIQUID	100% specialty non-ionic surfactants	5, 20	L
DRIFTEX	790 g/L refined vegetable oil + non ionic surfactants	5 20	L L
DU-WETT	500 g/L trisiloxane ethoxylate	5, 10	L
ENDORSE OIL	835 g/L emulsifiable vegetable oil	5, 20 200	L L
ENVIRODYE BLUE	90 g/L sulphonated aomatic acid dye	5, 20	L
ENVIRODYE RED	diazo dyestuff	250 1, 5, 20	ml L
FOAM FIGHTER	defoaming agent	500	ml
FOAM MARKER-PINK	228 g/L butyl diglycol + 41g/L dodecanol + 289 g/L sodium lauryl ether	5, 20	L L
FOAM MARKER-WHITE	228 g/L butyl diglycol + 41g/L dodecanol + 289 g/L sodium lauryl ether	5, 20	L L
HASTEN	esterified vegetable oil + non-ionic surfactants	20, 110	L
LI 700	345 g/L soyal phospholipids + 355 g/L propionic acid.	5 10, 20	L L
LIASE	417 g/L ammonium sulphate	20	L
LIQUID BOOST	417 g/L ammonium sulphate	20	L
MAXX SURFACTANT	1020 g/L polyether modified polysiloxane	500	ml
MIST-CONTROL	polyvinyl polymer	5, 20	L
NU-FILM - 17	904 g/L di-1-p-menthene	5, 20	L
NU-FILM - P	904 g/L di-1-p-menthene	5, 20	L
PRIMABUFF	266.2 g/L nonoxinol-9 + 375.1 g/L phosphoric acid derivatives	10	L
PULSE PENETRANT	1000 g/L polydimethylsiloxane	1, 5	L
REDYE	150 g/L rhodamine B	1, 5	L
SPRAY-AIDE	780 g/L alkylaryl polyoxyethylene esters	5, 20	L
SPRAY MARKER DYE	150 g/L rhodamine B	1, 5	L
SPRAYTECH OIL	903 g/L emulsifiable vegetable oil	1, 5 20, 200	L L
SPREADWET 600	600 g/L ethoxylated nonyl phenol & alkyl ether & fatty acids	5, 20	L
SUPALINK	carboxylic acid- tank mix & compat. Agent	20	L
SUPASTIK	840 g/L canola oil	20	L
SUPERCHARGE	432 g/L mineral oil	10, 20	L
SURFACTANT 600	600 g/L non ionic ethoxylates	20	L
SYNERTRON HORTI OIL	905 g/L emusifiable botanical oil	5, 20	L
UPTAKE	582 g/L paraffinic oil + 240 g/L non-ionic surfactants	20	L
VITI-WET	1000 g/L ethoxylated octyl phenol	5, 20	L
WETSPRAY 600	600 g/L nonyl phenol ehylene oxide	20, 60	L
WETSPRAY 1000	1000 g/L blended alkoxyates	20, 60	L



SUNDRY PRODUCTS

Product	Active constituent	Pack	
ALL CLEAR TANK CLEANER	spray tank cleaner & decontaminator	5	L
AUXINONE	0.075 g/L NAA + 0.075 g/L IAA + 2.25 g/L vitamin B1	500ml, 5, 20	L
BOOM TANK CLEANER	sodium tripolyphosphate + detergents	1	kg
BUNNY BAIT	0.5 g/kg pindone as sodium salt	2.5, 5, 10	kg
CAUSTIC SODA	pearl	25	kg
CITRIC ACID	99.9 g/kg anhydrous citric acid	5, 25	kg
CLONEX GREEN GEL	1.5 g/L IBA- for soft wood cuttings	1, 5	L
CLONEX PURPLE GEL	3 g/L IBA- for medium wood cuttings	50, 250ml, 1, 5	L
CLONEX RED GEL	8 g/L IBA- for hard wood cuttings	1, 5	L
COMPANION MICROBIAL INNOCULENT	subtilis GB 03, 6 trill. colony forming units Bacillus	4, 10	L
CONDY'S CRYSTALS	potassium permanganate	5	kg
COPTROL ALGAECIDE	107 g/L copper chelates	1, 20	L
DEADLINE S.& SLUG PASTE	40 g/L metaldehyde	5	L
DISTILLED WATER	distilled as per AS2668	20, 200	L
EMASTAK	bitumous grafting mastic	20	kg
ENVY	carboxylated hydrophilic polymer	1, 5, 20, 200	L
ESI-ROOT	1.6 g/L IBA + 1.6 g/L NAA	500	ml
FORMALIN	37 % 37:7 formaldehyde	5, 20	L
FRUIT FLY LURE	protein autolysate	1, 5, 25	L
GARRISON	2.5 g/L cyproconazole + 1 g/L iodocarb	2	L
GRAFTING MASTIC BZ	bees wax compound	500g, 2.5, 20	kg
GREEN LAWNER	non-phytotoxic green turf paint	9.45	L
GREENEX AQUA	bacillus subtilis & activated charcoal	250g, 1	kg
GROWTH FORMULA	0.075 g/L NAA + 0.075 g/L IAA +	5, 20	L
HI-DAB	160.4g/L tigerfax + 144g/L quatramin + 19.2 g/L vantocil	5, 20	L
HYDROCHLORIC ACID	32 % hydrochloric acid	20, 200	L
KENDOCIDE	423g/L dichlorophen	1, 5	L
KOMLETE KLEEN	40 g/L available chlorine + 150 g/L	5, 20	L
LANOLUBE	lanolin based lubricant & protectant	500ml, 5, 20	L
LINSEED OIL	raw linseed- preserves, polishes & waterproofs	20	L
MALIC ACID	99.9 % DL- malic acid	25	kg
MESUROL 750	750 g/kg methiocarb	400	g
MESUROL BAIT	20 g/kg methiocarb	10	kg
META	15 g/kg metaldehyde	25	kg
METAREX SLUG & SNAIL "NEW"	50 g/kg metaldehyde + bitrex	10	kg
MOBAIT	265 g/L food flavourings	10	L
MULTIGUARD	60 g/kg iron EDTA complex	20	kg
NITRIC ACID	70 % nitric acid	15, 200	L
NO GALL	agrobacterium radiobacter	250	g
NU-LURE	hydrolysed corn gluten meal-fruit fly lure	5, 20	L
PHENSOL	145 g/L ortho phenylphenol + 38 g/L 2-benzyl 4-chlorophenol	25	L
PHENYLE	oresylic acid based disinfectant cleaner	20	L
PHOSPHORIC ACID	85 % phosphoric acid	5, 15, 200	L
PMS	potassium metabisulphite	1, 25	kg
POTATO STOP SPROUT	25g/kg chlorpropham	10	kg
POWDERED SULPHUR	1000 g/kg sulphur-corrects pH & in burners	25	kg
REDUCLEAN	removal of Redusol from greenhouses	10	L
REDUSOL XTRA	shade coating for poly & glass greenhouses	20	kg
SCAT BIRD & ANIM.REPEL.	99.9 g/kg aluminium ammonium sulphate	10	kg
SLUGGER S & S KILLER	15 g/kg metaldehyde	25	kg
SPOREKILL	120 g/L didecyldimethyl ammonium chloride	5, 20	L
STERI-MAX BIOCID	120 g/L didecyldimethyl ammonium chloride	10	L
STRIKING POWDER #2	3 g/kg IBA (for softwood)	250	g
STRIKING POWDER #3	8 g/kg IBA (for medium wood)	250	g
STRIKING POWDER #4	16 g/kg IBA (for hardwood)	250	g
SULPHURIC ACID	98 % sulphuric acid.	15, 200	L
SURRENDER MOSSKILLER	500 g/L benzalkonium chloride	10	L
SURROUND WP	950 g/kg kaolin- heat stress & sunburn	12.5	kg
TARTARIC ACID	99.9% tartaric acid	25	kg
TATO DUST	200g/kg mancozeb	10	kg
TATO VAPOR	500g/L chlorpropham	20	L
TREE WOUND DRESSING	acrylic based pruning & grafting sealant	500ml, 2, 10	L
VAPOR GARD	904 g/L di-1-p-menthene pot. Hydroxide	5, 20	L

WATER MANAGEMENT

Product	Comments	Pack	
AQUAGRO AF	non-ionic polymers, ag. soil surfactant, improves water infiltration & penetration	20, 209	L
DRI-GON LIQUID	liquid soil wetter- improves water infiltration & penetration.	5, 20	L
GREENEX AQUA	<i>bacillus subtilis</i> + activated charcoal - for	250	g
	cleaner water storage areas	1	kg
MOISTURAIID	overcomes water repellent soils & composts	10, 25	kg
RAINSAVER	water storing crystals - root zone reservoir	1, 10, 20	kg
SATURAIID GRANULES	water storing crystals- 20kg/600m ²	10, 20	kg
ZEBA FARM	new age moisture absorbent- releasing it as required	1.8, 18	kg
ZEBA ORNAMENTALS	new age moisture absorbent- releasing it as required	1.8, 18	kg

ZEBA FEATURE

Zeba the moisture absorbent that releases it again as plants need it.



Zeba is a unique superabsorbent polymer based on natural corn starch, making it biodegradable, non-toxic and odorless. As a starch-based polymer, Zeba is made up of glucose molecules, which are linked together chemically to become a water-insoluble, net-like matrix in the form of a hydrogel that holds and releases water and nutrients for use by plants as needed.

The immense size and weight of its molecular structure sets Zeba apart from other moisture absorbents. Zeba's anionic units are able to absorb up to 400 times their original weight. The Zeba hydrogel slowly releases just the right amount of encapsulated moisture in response to plant root suction. The hydrogel easily rehydrates and stores more water as moisture enters the soil. This process is repeated hundreds of times over a year or more before Zeba loses effectiveness.

Ace are currently distributing two grades of Zeba in Australia i) Zeba Farm & ii) Zeba Ornamentals, both packed in 1.8kg pails & 18kg bags. Granule size is the only difference between the products. Zeba will have application in a number of situations:- cut flower production, landscaping, nurseries, revegetation projects, seedling production, transplanting & turf

Using Zeba delivers extensive crop production advantages:-Increased yields, reduced irrigation costs, efficient use of crop inputs, more rapid germination & faster emergence, shorter growing cycles, reduced water & heat stress for plants, less fertiliser leaching, more consistent plant size & crop quality.

CROP PROTECTION (ii)

FORMULATION DEFINITIONS

* Capsule suspension (CS):	A stable suspension of capsules in a fluid, normally intended for dilution with water before use.
* Powder for dry seed treatment (DS):	A powder for application in the dry state directly to the seed
* Emulsifiable concentrate (EC):	Liquid homogenous formulation with an active constituent dissolved in one or more hydrocarbon solvents, designed to be mixed with water. The addition of an emulsifier enables the formulation to readily mix with water. The resulting mixture is usually a milky colour.
* Emulsion, oil in water (EW):	A fluid, heterogeneous formulation consisting of a dispersion of fine globules of pesticide in an organic liquid (Le. oil) dispersed in a continuous water phase.
* Flowable concentrate (FS): (for seed treatment)	A stable suspension for application to the seed either directly or after dilution.
* Granule (GR):	Dry, ready to use free flowing solid products which are applied directly to the target.
* Soluble concentrate (SL):	Concentrated liquid formulation which is designed to be further diluted in water.
* Water soluble granule (SG):	Granule formulations which dissolve in water to form a solution.
* Water soluble powder (SP):	Dry, powdered formulations which dissolve in water to form a solution.
* Suspension concentrate (SC):	Finely ground solid particles of active ingredient which are formulated to stay suspended in a liquid medium and which are designed to be dispersed in water before use.
* Ultra low volume (ULV):	UL V concentrates are formulated with oil/hydrocarbons and are designed to be applied aeriually, usually without further dilution.
* Water dispersible granule (WG):	Similar to WP except that the product is presented as a granule rather than a powder.
* Wettable powder (WP):	Fine, dry formulations which form a suspension when mixed with water.

DiPel® DF KILLING ME SOFTLY



DiPel® DF – The solution to Light Brown Apple Moth in a range of crops.

Lepidopteran caterpillars like Light Brown Apple Moth attack fruit trees and cause severe damage to valuable fruit. DiPel DF stops caterpillars feeding, minimizing crop damage and maximizing crop returns. DiPel DF contains the naturally occurring *bacillus thuringiensis* – soft on the crop and beneficial insects but deadly to caterpillars. Ideal for inclusion in IPM programmes, DiPel DF is also a valuable tool for rotational resistance management strategies.

- Kind to fruit
- Kind to the environment
- Kind to your customers
- **Killer to caterpillars**



SUMITOMO CHEMICAL

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HERBICIDE RESISTANCE IN HORTICULTURE

Horticulturalists are all too aware of the threat posed by fungicide resistance. Few however, consider the potential cost of herbicide resistance to their livelihood.

Current status of herbicide resistance

Within any weed populations there may be a small number of plants that are resistant to a herbicide or herbicides. The number of plants exhibiting this characteristic is initially extremely small and generally the population of weeds is considered “sensitive” to a certain herbicide (or group of herbicides having the same mode of action). However the repeated use of a herbicide will expose the weeds to a “selection pressure” which may lead to an increase in the proportion of resistant plants in the population. As a consequence, the proportion of resistant weeds may increase to the point that adequate control can no longer be achieved by the herbicide.

Evolution of herbicide resistance

Highly effective herbicides providing significant agronomic benefits have experienced ‘over-reliance’ and overuse, contributing to the evolution of resistance.

- 1970s: triazine resistance
- 1980s: paraquat resistance
- 1990s: sulfonyleurea, ‘fop’ and ‘dim’ resistance
- 2000s: glyphosate resistance

In Australia, herbicide resistance is widespread in Annual Ryegrass (Groups A, B, C, D & M) and Wild Radish (Groups B, C, F & I). Herbicide resistance also occurs in Wild Oats and Barley Grass but is less prevalent.

Glyphosate resistance was first discovered in Echuca in Victoria in 1996. Since then there have been 54 confirmed cases of glyphosate resistance recorded in Australian agriculture. Research has shown that where this resistance has occurred, glyphosate was the major or only herbicide used. Glyphosate had been used continuously for 15 years or more and there had been minimal soil disturbance in each case.

The table below indicates the status of glyphosate resistance in the agricultural market throughout Australia. This demonstrates that horticulture represents 26% of the confirmed cases.

Incidence of confirmed glyphosate resistant Annual Ryegrass populations in Australia.¹

Situation		Number of sites	States
Broadacre cropping	Chemical fallow	18	NSW,
	No-till winter grains	6	NSW, Vic, SA, WA
Horticulture	Tree crops	3	NSW
	Vine crops	11	SA, WA
Other	Driveway	1	NSW
	Fence line	8	NSW, SA
	Firebreak	1	SA
	Irrigation channel	4	NSW
	Railway	1	WA
	Airstrip	1	SA
TOTAL		54	

Resistance to bipyridyls (paraquat and diquat) Resistance to the bipyridyls was first confirmed in 1980. It has now been confirmed in 4 weed species in Australia: Capeweed (*Arctotheca calendula*), Barley Grass (*Hordeum leporinum*), Wall Barley (*Hordeum glaucum*) and Silver Grass (*Vulpia bromoides*). All populations had a long history of paraquat use. Similarly with glyphosate, rotation and alternative methods of weed control should be applied versus a single practice.

Strategies to manage glyphosate / SPRAY.SEED resistance in Horticulture:

- Rotate between knockdowns with different modes of action (i.e. rotate glyphosate and SPRAY.SEED)
- For paraquat resistant Capeweed – rotate SPRAY.SEED (Group L) with: - glyphosate (M), GESATOP® (C), Goal* (G), Basta* (N), Jaguar* (F & C), ZOLIAR® (F) or Diuron (C)
- For paraquat resistant Barley Grass – rotate SPRAY.SEED (Group L) with: - glyphosate (M), Basta* (N), GESATOP (C), Propon* (J), Goal* (G), FUSILADE FORTE (A), ZOLIAR (F) or Diuron (C)
- For paraquat resistant Silver Grass – rotate SPRAY.SEED (Group L) with: - glyphosate (M), Basta* (N), Propon* (J), GESATOP (C), or ZOLIAR (F)
- Consider using residual herbicides
- Consider non-chemical strategies (e.g. under vine cultivation or mulching) as part of an IWM program
- Consider the “Double Knock” (glyphosate followed by SPRAY.SEED, 1 to 5 days later)
- Manage weed control escapes to prevent seed-set
- Keep weed numbers as low as possible.

MIXING PROCEDURE

When mixing more than one product, it is important to check that the products are chemically and physically compatible. Following this, the order of mixing should be determined by the formulation type. As a guide, the following sequence is suggested, unless labels specify otherwise:

1. Water-soluble bags
2. Water dispersible granules
3. Wettable powders (pre-mixed and dispersed in the tank)
4. Suspension concentrate
5. Water soluble powders / granules
6. Oil-based suspension concentrates
7. Emulsifiable concentrates / Emulsion, oil in water
8. Adjuvants, surfactants, wetters
9. Soluble fertilisers - e.g. calcium nitrate

In most cases, agitation within the tank is necessary during mixing to aid dispersal or effective mixing of formulations

PEST & DISEASE IDENTIFICATION

When combating pests and diseases, the most important procedure is to correctly identify the problem pest or pathogen, in order that it can be properly targeted and controlled.

Along with our trained field staff, Ace utilise the diagnostic and analytical services provided by the NSW Department of Primary Industries. The Elizabeth Macarthur Agricultural Institute at Menangle offers a range of laboratory tests.

These include:-

- * Clinical examination & general diagnosis of plant diseases
- * Culturing & diagnosis of pathogens from plants, soil or water
- * Virus testing & identification
- * Bacteria identification
- * Nematode counts & identification to genus

The guidelines for submitting diseased or damaged plant samples are as follows:-

- Submit whole plants with roots and soil, where practical.
- Submit samples that have a range of symptoms, from light to severe, which are representative of the field symptoms. Do not send dead plants.
- Where it is not practical to submit the entire plant, send damaged/infected parts of plants.
- Wrap plant samples in slightly damp newspaper to help maintain freshness. Do not package plant material in plastic bags over Summer months.

Insect and invertebrate samples are normally forwarded to the Orange Agricultural Institute, Forest Rd, Orange NSW 2800

Guidelines for submitting insect and invertebrate samples are:-

- Put live or dead specimens in an appropriately sized and unbreakable container (e.g. film canister for small insects), and then wrap with padding.
 - Send immature forms (caterpillars etc.) with plenty of its food plant that will assist in rearing to adult.
- A Plant Health Sample Submission Form or the Insect Identification Request Form must be completed when the sample is submitted.

Further information and Forms can be obtained from the NSW Department of Primary Industries website www.agric.nsw.gov.au

Ace representatives are only too pleased to collect samples, complete forms and on-forward specimens. Costs are passed on as per the Department fees.

WELCOME TO IPM WITH ACE

NSW DPI is working closely with companies such as Ace Ohlsson in the Sydney Region to encourage vegetable growers to use IPM or Integrated Pest Management on their farms.

Growers' vegetable levies are funding a 5 year project that has, as one of its aims, the development of commercial IPM consultancy services to provide Sydney Region growers with technical support in their pursuit of on-farm success with IPM.

And of course, we are trying to encourage growers to use only pesticides that do the least harm to beneficials and to spray less frequently.

In field crops, growers would be amazed at the number of different beneficials that are around. But they are easily killed by many pesticides, so you need to be careful about which chemicals you choose and use.

Beneficials can have a big impact on many pest species, so look after them and don't spray regularly.

"But Ace sells pesticides?" you ask. So why would they want to discourage you from spraying. Ace has realised that over spraying leads to resistance or chemical failure, and that is not good for growers. So by working with growers to establish IPM on their farms, Ace can preserve good pesticides for longer and see growers happier about that situation.

Ace is now involved in providing IPM technical support as well as pesticides. I hope this continues to expand and that growers recognise that this service is an invaluable IPM tool and to use it.

Why use IPM?

Following below, there is a note about IPM to assist curious growers. In Victoria, Dr Paul Horne of IPM Technologies has had great success with IPM in a range of crops including vegetables with a minimum need to spray.

I think you can make it work too.

IPM - An Approach for Every Grower

IPM has been around for awhile, but there are still some who have not yet heard about it, while there are others who have, but don't really know much about it.

- What is IPM? Integrated Pest Management as the long form, covers insect and mite pests and plant diseases.
- How does it work? Simply put, it is a commonsense approach to pest and disease management. Anyone can use it providing they know what they are doing.
- So what do you need to know and where can you get the information? There are a few key principles around which any grower can fashion an IPM program for themselves.

Know what is in your crop.

Firstly, you need to be able to identify what pests and diseases are in your crop. Correct identification is an absolute must. Bad diagnosis can lead to wrong treatments, which may have no effect, resulting in even more lost income and sometimes crop failure! Pests are easier to identify than diseases. If you suspect a disease, send a sample away to a specialist laboratory such as the DPI Plant Health Diagnostic Services at Menangle (www.dpi.nsw.gov.au/agriculture/horticulture/pests,diseases. Search for plant health diagnostic services)

Clean up the farm

Secondly, before you start to think about treatments such as pesticides, you need to do whatever you can on your farm to prevent pests and diseases from occurring. We call this 'Risk Reduction'.

By this I mean good hygiene to keep diseases away.

No stagnant water for some pests and diseases to breed in.

Also total weed management – many weeds are sources of a wide range of pests and diseases. Sometimes the disease will not show symptoms on the weed, but it is there.

Greenhouses have extra advantages

For greenhouse growers they can do some simple things to exclude pests and diseases from entering their crops.

Monitor your crops

If you have to spray your crop make sure there is a good reason. Regular inspections will tell you what is happening and when it first occurs. Use sticky traps as well. They are good for small flying insects such as aphids, thrips, whiteflies and fungus gnats.

Plan your actions

If a pest such as western flower thrips or greenhouse whitefly arrives on your property what will you do about it. If monitoring indicates a limited establishment, then don't spray your whole farm. Spot spray the small population. Select the correct pesticides for the job and make sure they are registered. Think about the damage they could do to your beneficial insects. Choose those that do least damage. Beneficial insects are an important part of IPM. They can work for you in the field and do away with the need to spray in some instances.

Greenhouse growers are much better off. They can buy biocontrol agents and release them into their greenhouses to manage pests. Much better than spraying.

Why is this so?

Crops do not like being sprayed. Unsprayed plants grow much better if left alone.

Workers also do not like having to work in sprayed crops, especially in greenhouses.

Overuse of pesticides can lead to chemical failure. This is called 'resistance'. For example, in the Sydney Basin there is widespread and high level resistance to one of the previously very good thrip pesticides 'SUCCESS'.

Avoid resistance by adopting IPM!

How can you start with IPM?

There are IPM consultants available in the Sydney Basin



The Red and Blue beetle is a common predator of *Helicoverpa* spp. Eggs, small larvae and other slow moving insects such as aphids.



Adult Traverse Ladybeetle

(Article courtesy of Dr Stephen Goodwin, NSW DPI, Narara.)

CONSUMER PRODUCTS

Product	Description	Pack Sizes
ADVANTAGE FOR DOGS 10-25kg	Kills adult fleas & flea larvae	6 x 2.5ml
ADVANTAGE FOR DOGS over 25kg	Kills adult fleas & flea larvae	6 x 4ml
ANTI-ROT	Phosacid systemic fungicide	200ml
AUXINONE	Rooting hormone	500ml
BAYCOR AEROSOL	Garden fungicide	350g
BAYLETON	Garden fungicide	150g
BAYSOL S & S KILLER	Long lasting snail & slug bait Long lasting snail & slug bait	600g 1kg
BAYTHROID	Lawn grub & garden insecticide	500ml
BIN-DIE	Selective lawn herbicide Selective lawn herbicide	100ml 200ml
BINDII	Selective turf herbicide	500ml
BIO-COVER	Refined spraying oil for pests & diseases	5L
BMX TRACE ELEMENTS	Chelated trace element mixture	1kg
BROMAKIL R & M BAIT	Super rat & mouse grain bait Super rat & mouse grain bait	500g 2kg
BROMAKIL BLOCKS	Super rodenticide wax blocks	140g
BUSHWACKER 600	Blackberry & brush killer	100g
CARBARYL	Broad spectrum insecticide	100g
CARPFERT	Fish based fertiliser	1L
CHARLIE CARP	Fish based fertiliser	5L
CHEMSPRED WETTER	Wetting & spreading agent	100ml
CHLORPYRIFOS GRANULES.	Lawn grub, ants & beetles	500g
CLONEX PURPLE GEL	Rooting hormone	50ml
CONFIDOR AEROSOL	Plant insecticide	350g
CONFIDOR GARDEN INS.	Plant insecticide	25g
CONFIDOR NURSERY	Concentrate insecticide	200ml
COOPEX RESIDUAL INS.	Household pests	25g
COPPER OXYCHLORIDE	Fungicide/Bactericide Fungicide/Bactericide	200g 2kg
COPPOX	Fungicide/Bactericide	1kg
CUTLASS M	Broadleaf herbicide for turf	1L
DEBCO SEEDLING MIX	Complete mix with fertiliser & wetters	30L
DC-TRON PLUS	Petroleum spray oil	5L
ECO-ROSE	Powdery mildew & black spot on roses	500g
ECO OIL	Miticide/Insecticide	1L
ENVY	Anti-transpirant	1L
ESCAR-GO	Snail & slug repellent	1L
ESI-ROOT	Rooting hormone	500ml
FOLIMAT AEROSOL	Systemic insecticide	350g
FONGARID 250W	Root rot fungicide	10g
FRUIT FLY & INSECT KILLER	Fenthion based systemic insecticide	225ml
FRUIT FLY LURE	Male fruit fly monitoring traps	Trap
GLYPHOSATE 360	Non-residual herbicide	1L
GRAFTING MASTIC	Waterproof sealant	500g
IMPERATOR SMOKE GENS	Household & industrial pest control Household & industrial pest control	3.5g, 31g
KAMBA M	Broadleaf herbicide for turf	1L
KENDOCIDE	Algae remover	1L
KENDRAL 600	Wetting & spreading agent	1L
IRON CHELATES	13.2% Fe chelate	1kg
KLEEN LAWN	Lawn weeder	500ml
LANOSAN TOMATO SPRAY	Insecticide/fungicide	300g
LIME SULPHUR	Fungicide/Insecticide	500ml

Product	Description	Pack Sizes
MALATHON	Broad spectrum insecticide	250ml
MANCOZEB 800	Broad spectrum fungicide Broad spectrum fungicide	100g 1.5kg
MANCOZEB DUST	Fungicide dust	375g
MAVRIK	Chewing & sucking insects	200ml
MULTIGUARD	Snail & slug killer	1kg
NATRASOAP	Mite & insect spray	1L
NEMACUR GRANULES	Granular nematicide	300g
ONCE-A-YEAR PATHWEED	Long residual herbicide	750ml
ORCHID FERTILISER A	For flowering period For flowering period	500g 3kg
ORCHID FERTILISER B	For plant growth For plant growth	500g 3kg
PERMEX	Residual household pesticide	1L
PEST OIL	Insect control spray oil	500ml
PYRETHRUM CONCENTRATE	Insect pests on flowers & vegs	1L
QUICKBAYT FLY BAIT	Granular fly bait	350g
RAINSAVER	Water storing crystals	1kg
RED SPIDER KILLER	Miticide	200ml
RODEX B BLOCKS	Rat & mouse wax blocks	300g
RODEX B PELLETS	Rodenticide Rodenticide	350g 1.25kg
ROGOR 100	Systemic insecticide	250ml
ROUNDUP 360	Non-residual herbicide	1L
SEASOL	Liquid seaweed fertiliser Liquid seaweed fertiliser	1L 5L
STORM SECURE	Single feed rodenticide blocks	500g
STRIKING POWDER #2	Rooting hormone	250g
SUCCESS	"Naturalyte" insecticide	200ml
SURRENDER	Moss killer	1L
TALON PELLETS	One feed rodenticide One feed rodenticide	200g 1kg
TALON WAX BLOCKS	One feed wax blocks	1kg
TOMATO DUST	Insecticide/fungicide	500g
TOMATO & VEG. DUST	Insecticide/fungicide	375g
TOMCAT MOUSE TRAP	Reusable plastic trap	Trap
TOMCAT RAT TRAP	Reusable plastic trap	Trap
TREE & B'BERRY KILLER	Woody weed herbicide	250ml
TREE WOUND DRESSING	Grafting sealant	500ml
TRIFORINE	Rose fungicide	500ml
WATER WISE GRANULES	Water storing granules	225g
WETTABLE SULPHUR	Fungicide/miticide	2.5kg
WHITE OIL AEROSOL	Garden insecticide	400g
WINTER GRASS KILLER	Selective turf herbicide	100ml
YATES ROSE SHIELD	Insect & diseases on roses & ornamentals	500ml
ZERO PATH WEEDER	Residual herbicide	200g
ZERO WANDS	Glyphosate weeding wands	hold 350ml spray mix
ZINEB	Broad spectrum fungicide Broad spectrum fungicide	500g 2kg