

## IP CODING: HERBICIDES (Feb 2019)

## APPENDIX 3A

Active ingredient (a.i.)	Formulation	Trade name	Amount of formulation applied/ha	Amount a.i. (g) applied ha
<b>IP-CODING 1: LOW RISK</b>				
carfentrazone-ethyl	WG 400 g/L	Aurora		
clethodim	EC 120 g/l	Poquer	0.75 – 1.5 liter / ha	
cycloxydim	EC 100 g/L	Focus Ultra		
flumioxazin	WP 500 g/kg	Sumimax		
glyphosate-sodium	WSG 700 g/kg	Kalach		
haloxyfop-R-methyl-ester	EC 180 g/L	Gallant Super		
metazachlor	SC 500 g/L	Sultan 50 SC		
oryzalin	SC 480 g/L	Surflan		
	EC 250 g/L	Exadia		
oxadiazon	EC 240 g/L	Ronstar		
oxyfluorfen	EC 240 g/L	Goal, Galigan, Orion		
propyzamide	WP 490 g/kg	Kerb		
propaquizafop	EC 100 g/L	Agil		
s-metolachlor + terbuthylazine	SC 102.8/497.2g/L *	Sorgomil Gold		600 g X L formulation/ ha applied
simazine	SC 500 g/L	Simazine, Simazol, WPK Simazine		
	WP 800 g/kg	Simazine		
	WP 900 g/kg	Simazol, Gesatop		
	WG 900 g/L	Simanex		
terbuthylazine	WG 600 g/kg	Terbuweed		
terbuthylazine	WG 750 g/kg	Click		
terbuthylazine	WG 900 g/kg	Monelo		
terbuthylazine	SC 500 g/L	Terbusip, Terbutylazine, Tyllanex, TBZ		
terbuthylazine + simazine	SC 287/213 g/L *	Tylsimex		

HERBICIDES				APPENDIX 3A cont.
Active ingredient (a.i.)	Formulation	Trade name	Amount of formulation applied/ha	Amount a.i. (g) applied ha
<b>IP-CODING 2: MEDIUM RISK</b>				
ametryn + terbutryn	WG 650 g/kg	Amigan	Dormant vines only	
amitrole	WSL 250 g/L	Weedazol		
clethodim	EC 240 g/L	Series, Vega		
fluazifop-P-buthyl	EC 125 g/L	Fuselade Super, Fluzie		
glufosinate-ammonium	SL 200 g/L	Basta, Brass, Bound, Nirvana		
glyphosate	SL 360 g/L	Bounty		
glyphosate ammonium	SG 710 g/kg	Glygran SG		
glyphosate iso-propyl ammonium	SL 180 g/L	Sting, Cobra, Clearout 180, Glyphofix		
glyphosate iso-propyl ammonium	SL 240 g/L	Roundup CT		
glyphosate iso-propyl ammonium	SL 360 g/L	Roundup, Roundup Ultra, Mamba, UAP Glyphosate, Nexus Glyphosate, Clearout 360, Glyphogan, Erase		
glyphosate iso-propyl ammonium	SL 450 g/L	Roundup Turbo, Slash Turbo SL		
	SL 480 g/L	Mamba Max		
glyphosate-sodium	SG 420 g/kg	Roundup Bio-dry		
glyphosate-sodium	SG 500 g/kg	Glyphosate WSG		
	WSG 500 g/kg	UAP Glyphosate, Nexus Glyphosate		
	SG 757 g/kg	Rondo		
glyphosate trimesium	SL 480 g/L	Touchdown Plus		
	SL 720 g/L	Touchdown		
glyphosate + MCPA	WG 493 g/kg	Strike-Down		
haloxyfop-R-methyl-ester	EC 180 g/L	Scorp		
MCPA	SL 400 g/L	MCPA		
	SL 750 g/L	MCPA 750 DMAX		
propyzamide	SC 500 g/L	Propyzamide		
trifluralin	SC 480 g/L	Trifluralin, Triflurex		

HERBICIDES			APPENDIX 3A cont.	
Active ingredient (a.i.)	Formulation	Trade name	Amount of formulation applied/ha	Amount a.i. (g) applied ha
<b>IP-CODING 4: MEDIUM TO HIGH RISK</b>				
diquat	SL 200 g/L	Reglone, Midstream, Disrupt, Disturb		
paraquat	SL 200 g/L	Gramoxone, Paraquat SL, WPK Paraquat, Skoffel Super, Scorcher		
paraquat + diquat	SL 120/80 g/L <sup>*</sup>	Preglone, Skoffel Duo		

\* If formulation contains two active ingredients, add them together for the total amount of a.i. per L or kg of formulation



PESTICIDES		APPENDIX 3B cont.		
Active ingredient (a.i.)	Formulation	Trade name	Withholding period [days] on winegrapes	Dosage
<b>IP-CODING 2: MEDIUM RISK</b>				
<i>Beauveria bassiana</i>	1.2 X 10 <sup>7</sup> cfu/g	Bio-Insek	0	1.6 - 2 kg /ha
borax + orange oil	SC 10/50 g/L	Prev-am	0	500 ml/100 L
bromopropylate	EC 500 g/L	Ripple, Capacity		
carbaryl + metaldehyde	RB 20/30 g/kg	Speedy	n/a	30-50 kg/ha
fenpyroximate	EC 50g/L	Relieve, Lesson	40	125 ml/100 L
gamma-cyhalothrin	CS 60 g/L	Vantex	28	8 ml/100L
imidacloprid	SC 350 g/L	Confidor, Kohinor, Provado, Sharda Imidacloprid	112	1.5 ml/vine
imidacloprid	WG 70 g/kg	Confidor, Warrant, Imidor, Emit, Cast	112	0.75 g/vine
indoxacarb	WG 300 g/L	Steward, <b>Incide</b>	28	20 g/100 L
	300 WDG	Margin, Session, Indo	28	20 g/100 L
	150 EC	Addition, Advance	28	30 ml/100 L
mercaptotion	WP 250 g/kg	Mercaptotion, Merkaptotox (Fruit fly bait only)	10	300 g/100 L
<b>metaldehyde</b>	<b>RB 30g/kg</b>	<b>Acxela</b>	<b>nvt</b>	<b>5-7 kg/ha</b>
methiocarb + metaldehyde	RB 5/10 g/kg	Mesurool Super Snail Pellets, Moer-Tu	n/a	10 - 30 kg/ha
polysulphide sulphur	SL 320 g/L	Lime sulphur, Kalkswawel, Polysun (dormant application only)	n/a	10-12L/100 L
sulfoxaflor	SC 240	Closer	28	12 ml/100 L
sulphur	WP 800 g/kg	Wettable sulphur	4-6 wks	150-300 g/100 L
sulphur	WG 800 g/kg	Kumulus, Microthiol Spec, Striker, Cosavet, Sulgran, Thiovit Jet	4-6 wks	150-300 g/100L
sulphur	SC 700 g/L	Flowable sulphur	4-6 wks	1L/100 L
sulphur	DP 980 g/kg	Dusting Sulphur, Stuiwswawel	4-6 wks	15-30 kg/ka
thiamethoxam	SC 240 g/L	Actara SC	n/a	1.2 ml/vine
	WGD 250 g/kg	Thiatox	n/a	1.2 g/vine

PESTICIDES			APPENDIX 3B cont.	
Active ingredient (a.i.)	Formulation	Trade name	Withholding period [days] on winegrapes	Dosage
<b>IP-CODING 4: MEDIUM TO HIGH RISK</b>				
acephate	SP 750 g/kg	Acephate, Orthene	40	50-75 g/100 L
alpha-cypermethrin	SC 100 g/L	Fastac, Concord,	28	10 ml/100 L
alpha-cypermethrin	SC 100 g/L	Alfa-Thrin (apply with ring spray)	28	2 L/100 L
beta-cyfluthrin	EC 50 g/L	Bulldock	35	10 ml/100 L
beta-cypermethrin	EC 100 g/L	Akito	28	12.5 ml/100 L
carbaryl	WP 850 g/kg	Karbaspray, Sevin	14	125 g/100 L
carbaryl	DP 50 g/kg	Karbadust	14	10-30 kg/ha
carbaryl	SC 480 g/L	Sevin XRL plus	14	225 ml/100 L
karbaril + metaldehyd	SC 80/120 g/L	Snailspray	14	600 ml/100 L
chlorphenapyr	SC 360 g/L	Savage	80	35 ml/100 L
	SC 240 g/L	Hunter	80	50 ml/100 L
chlorpyrifos	CS 250 g/L	Pyrinex	28	
chlorpyrifos	EC 480 g/L	Dursban, Chlorpyrifos, Pyrinex, Shaik Chlorpyrifos, Chlorifos	28	75-200 ml/100 L
chlorpyrifos	WG 750 g/kg	Dursban	28	128 g/2,5 kg/100 L
chlothianidin	SC 200 g/L	Dantop	90	0.1 ml/vine
cypermethrin	EC 200 g/L	Agropharm Cypermethrin, Doodsboot, Ripcord, Sherpa, Polythrin, Kemprin	28	10 ml/100 L
deltamethrin	EC 25 g/L	Decis, Servus, Delta-Thrin	28	12-25 ml/100 L
deltamethrin	SC 50 g/L	Bitam	42	6-12,5 ml/100 L
deltamethrin	TB 0.5g/tab	Decistab	42	0.5 tab/100 L
dimethoate	EC 400 g/L	Dimet, Dimethoate, Perfekthion	28	125-150 ml/100 L
<b>emamectin benzoate</b>	<b>EC 19.2 g/L</b>	<b>Warlock</b>	<b>14</b>	<b>80 ml/100 L</b>
fenazaquin	SC 200 g/L	Pride	63	50 ml/100 L
fenvalerate	EC 200g/L	Agrovate, Sanvalerate, Fenvalerate	28	15 ml/100 L
fipronil + lambda-cyhalothrin	SC 182/18 g/L	Antset, Sunset	28	250 ml/100 L
lambda-cyhalothrin	CS 50 g/L	Karate Zeon	28	20 ml/100 L

PESTICIDES			APPENDIX 3B cont.	
Active ingredient (a.i.)	Formulation	Trade name	Withholding period [days] on winegrapes	Dosage
lambda-cyhalothrin	EC 50g/L	Karate, Lamdex Lambda, Judo (stem treatment only)	28	20 ml/100L
mercaptotion	EC 500 g/L	Mercaptotion (fruit fly bait only)	10	175 ml/100 L
methidathion	EC 420 g/L	Ultracide, Suprathion	8	50 ml/100 L
profenofos premium grade	EC 500g/L	Proton, Selecron (dormant spray only)	n/a	100 ml/100 L
propoxur	EC 200 g/L	Mitoxur	56	125-250 ml/100L
prothiofos	EC 960 g/L	Tokuthion (dormant spray only)	100	50 ml/100 L
thiamethoxam	WG 250 g/kg	Thiaxam	n/a	1.2 g/vine
tralomethrin	EC 36 g/L	Tralate	28	10-21 ml/100L
trichlorfon	SP 950 g/kg	Dipterex, Trichlorfon (fruitfly bait only)	10	50g+250ml protein/ 100L water
<b>IP-CODING 8: HIGH RISK (Subject to strict conditions in guidelines)</b>				
alpha-cypermethrin	EC 100 g/L	Fastac	28	10 ml/100L
carbosulfan	EC 480 g/L	Marshal, Carbostem	84	50 ml/100 L
dichlorvos	EC 1000 g/L	Dedevap, Devipan, DDVP, Divos, Dichlorphos, Nogos, Dichlorvos	7	75 ml/100 L
esfenvalerate	EC 50 g/L	Sumicidin Super	28	18 ml/100 L
methidathion	WP 400 g/kg	Suprathion	56	100 g/100 L
methidathion	WP 200 g/kg	Suprathion	56	200g/100L
mevinphos	EC 150 g/L	Mevinphos	7	37.5 - 45 ml/100 L
mevinphos	SL 500 g/L	Phosdrin	7	37,5 – 45 ml/100 L

## IP CODING: FUNGICIDES (Feb 2019)

## APPENDIX 3 C

Active ingredient (a.i.)	Formulation	Trade name	Withholding period [days] winegrapes	Dosage
<b>IP-CODING 1: LOW RISK</b>				
<i>Agrobacterium vitis</i>	WP 5x10 <sup>8</sup> selle/g	Crown Gall Inoculant	n/a	250g/10 L
<i>Ampelomyces quisqualis</i> M10	WG 50x10 <sup>9</sup> spore/g	AQ-10 Biofungicide	n/a	30 g/ha
azoxystrobin	WG 500 g/kg	Quadris	14	40 g/100 L
benomyl	WP 500 g/kg	Spotless	14	50 g/100 L
boscalid	WG 500 g/kg	Cantus	28	80g/100 L
captab + polymers	PA 20g/kg	Prune Wound Seal	n/a	
cyprodinyl + fludioxonil	WG 375/250 g/kg	Switch, Cyprocide	28	40 g/100 L
difenconazole	EC 250 g/L	Pronto	28	12 ml/100 L
dimetomorph	SC 500 g/L	Sovrin Flo	21	36 ml/100 L
fenhexamid	SC 500 g/L	Teldor	7	75 ml/100 L
fludioxonil + pyrimethanil	SC 500 g/l	Tutor	28	120 ml/100 L
fluopicolide + Fosetyl-Al	WG 4.44/66.67g/kg	Profiler	28	225 g/100 L
fluopyram	SC 500 g/L	Luna Privilege	3	35 ml /100 L
folpet	WP 500 g/kg	Folpan, Folpet	14	200 g/100 L
	WP 800 g/kg	Folpan	14	125g/100 L
	WG 800 g/kg	Folpan	14	125 g/100 L
	SC 500g/L	Folpan, Valeo	14	200 ml/100 L
fosetyl-Al	WP 800 g/kg	Fostonic	28	195 g/100L
fosetyl-Al	WP 800 g/kg	Aliette (not after pea-size),	n/a	400 g/100 L
fosetyl-Al	WG 800 g/kg	Aliette (not after pea-size)	n/a	400 g/100 L
iprodione	SC 255 g/L	Rovral Flo, Iprodione	7	200 ml/100 L
iprodione	SC 500 g/L	Rovral Aquaflo, Taurus, Iproflo, Roflo	7	100 ml/100 L
iprovalicarb + propineb	WG 55/612.5 g/kg	Melody Care	28	150 g/100 L
kresoxim-methyl	WG 500 g/kg	Stroby	14	15 g/100 L
	SC 500 g/L	Ardent, Vista Flo	14	15 ml/100 L
mancozeb	WP 800 g/kg	Dithane M-45, Dithane M-45 NT, Sancozeb, Mancozeb, Miceb Super	14	200 g/100 L





FUNGICIDES			APPENDIX 3C cont.	
Active ingredient (a.i.)	Formulation	Trade name	Withholding period [days] on winegrapes	Dosage
<b>IP-CODING 2: MEDIUM RISK</b>				
ametoctradin + dimethomorph	SC 525 g/L	Orvega	21	100ml/100L
azoxystrobin + folpet	SC 93.5/500 g/L	Quadris Max	14	210 g/100 L
azoxystrobin	SC 250 g/L	Aztrix, Obstructo	14	80 ml/100 L
benalaxyl + mancozeb	WP 80/650 g/kg	Galben M	28	275 g/100 L
benomyl	WP 500 g/kg	Benomyl 500 WP	14	50 g/100 L
benthiavalicarb + mancozeb	WG 17.5/700 g	Valbon	28	100 - 200g/100 L
sodium bicarbonate + salicylic acid	180/80 g/kg Paste	Bio-Build	0	1 L/100 L
borax + orange oil	SC 10/50 g/L	Prev-am	0	500 ml/100 L
boscalid	SC 500 g/L	Basis SC	28	80 ml/100 L
boscalid + kresoxim-methyl	SC 200/100 g/l	Collis, Mascot	28	30 ml/100 L
carbendazim + tebuconazole	SC 133/167 g/L	Folicur C (not after pea-size)	n/a	75 ml/100 L
cymoxanil	SC 300 g/L	Vidac Flo	28	40 ml/100 L
copper ammonium acetate	SL 316 g/L	Copper Count N, Liquicop	21	500 ml/100 L
copper ammonium acetate	SL 315 g/L	Copper Flow Plus	21	500 ml/100 L
copper hydroxide	WP 770 g/kg	Kocide, Supacop, Hydrox, Funguran-OH	21	200 g/100 L
copper hydroxide	WG 614 g/kg	Kocide	21	200 g/100 L
copper hydroxide	SC 180 g/L	Copstar 120 SC®	21	350 ml/100 L
copper hydroxide	SC 538 g/L	Cungfu	21	150 ml/100 L
copper oxychloride	WG 850 g/kg	Copperoxychlor	21	500 g/100 L
copper oxychloride	WP 850 g/kg	Demildex, Cupravit, Coprox, Copperchlor, Supercup, Dicop	21	500 g/100 L
copper oxychloride + sulphur	DP 85/900 g/kg	Coppasulfa (not after pea-size)	n/a	15-50 kg/ha
copper sulphate (tribasic)	SC 320 g/L	Copflo Super	21	250 ml/100 L
cuprous oxide	WG 860 g/kg	Nordox	45	130 g/100 L

FUNGICIDES			APPENDIX 3C cont.	
Active ingredient (a.i.)	Formulation	Trade name	Withholding period [days] on winegrapes	Dosage
cymoxanil + copper oxychloride	WP 40/689 g/kg	Copcanil	28	300 g/100 L
cymoxanil + mancozeb	WP 60/700 g/kg	Curzate Pro, Zetanil M, Micexanil, Controller, Cymoxazeb, Fungarrest	14	200 g/100 L
cymoxanil + propineb	WP 60/700 g/kg	Milraz	14	200 g/100 L
didecyl-dimethyl-ammonium chloride	SL 120 g/L	Sporekill, Spore-Attack	n.a.	100ml/100L
<b>dimethomorph + folpet</b>	<b>WG 113/600 g/kg</b>	<b>Sphinx Extra</b>	<b>56</b>	<b>200 g/100 L</b>
dimethomorph + mancozeb	WP 90/600 g/kg	Acrobat MZ, Dimethozebe	14, 56	200 g/100 L
dinocap	EC 350 g/L	Karathane Star	21	40 ml/100 L
dinocap + myclobutanil	EC 325/75 g/L	Sabithane	21	30-40 ml/100 L
difenconazole	EC 250 g/L	Scope, D-Zole	28	125 ml/100 L
dithianon	WG 750 g/kg	Alaris WG	21	55 g/100 L
famoxadone + cymoxanil	WG 225/300 /kg	Equation Pro	28	40 g/100 L
fenamidone + fosetyl-AI	WG 44,4/667	Verita	28	250 g/100 L
fenamidone + mancozeb	WG 100/500 g/kg	No-Blite	49	120 g/100 L
fenarimol	EC 120 g/L	Rubigan	21	20 ml/100 L
fenhexamid	SC 500 g/L	Electron	7	75 ml/100 L
fluopyram + tebuconazole	SC 400 g/L	Luna Experience	4-6 weeks	18.75 ml/100 L
flusilazole	EW 100 g/L	Olymp, Nustar	21	35-50 ml/100 L
flusilazole	WG 200 g/kg	Flustar	21	17.5-25 g/100 L
folpet + swawel	DP 50/900 g/kg	Folpan Sulphur (not after pea-size)	n/a	15-20 kg/ha
fosetyl-AI + mancozeb	WP 440/260 /kg	Mikal-M	28	350 g/100 L
hexaconazole	EC 50 g/L	Anvil, Richter, Optan	7	30-40 ml/100 L
iprodione	DP 30g/kg	Rovral Talc	3	15-20 kg/ha
iprovalicarb	CS 250 g/L	Argento	28	35 ml/100 L
metalaxyl + mancozeb	WP 100/600 g/kg	Expose MZ, Fundi, Sanlaxil, Metazeb	21	270 g/100 L
mono-potassium phosphate + ascorbic acid	EC 166/66 g/L	Bio-Protector	0	1 L/100 L

FUNGICIDES		APPENDIX 3C cont.		
Active ingredient (a.i.)	Formulation	Trade name	Withholding period [days] wine grapes	Dosage
phosphorous acid	SL 300 g/L	Brilliant	21-28	400 ml/100 L
phosphorous acid	SL 400 g/L	Phosguard, Rootmaster, Hyperphos	21-28	300 ml/100 L
phosphorous acid	SL 200 g/L	Rootmaster, Phosguard	21-28	600 ml/100 L
phosphorous acid	SL 350 g/L	Fighter	28	350 ml/100 L
Polysulphide sulphur	SL 320 g/L	Lime sulphur, Kalkswawel, Polysun (dormant application only)	n/a	10-12 L/100 L
potassium phosphite	SL 400 g/L	Hygrophos, Phosphite	28	300 ml/100L
potassium phosphite + phosphorous acid	SL 560 /400 g/L	Mariphos	28	300 ml /100 L
pyraclostrobin + metiram	WG 50/550 g/kg	Cabrio Top	35	200 g/100 L
pyrifenoxy	EC 200 g/L	Dorado	14	20-30 ml/100 L
pyrimethanil	SC 400 g/L	Source, Support	35	120 ml/100 L
quinoxifen	SC 250 g/L	Legend, Proxima	21	25 ml/100 L
spiroxamine	EC 500 g/L	Prosper, Spiral, Potential, Flourish	21	60-90 ml/100 L
sulphur	WP 800 g/kg	Wettable sulphur	4-6 wks	150-300 g/100 L
sulphur	WG 800 g/kg	Kumulus, Microthiol Special, Striker, Cosavet, Sulgran, Thiovit Jet	4-6 wks	150-300 g/100 L
sulphur	WDG 800 g/kg	Optisul	4-6 wks	3 – 6 kg/ha
sulphur	SC 700 g/L	Flowable sulphur	4-6 wks	1 L/100 L
sulphur	SC 800 g/L	Sulfostar	4-6 wks	150-300 l/100 L
sulphur	DP 980 g/kg	Dusting Sulphur	4-6 wks	15-30 kg/ha
tebuconazole	EW 250 g/L	Tebucure	42	30 ml/100 L
tebuconazole + triadimenol	EC 250/120 g/L	Matador	35	20-30 ml/100 L
tebuconazole + flutriafol	SC 225/75 g/L	Topguard	28	33 ml/100 L
tetraconazole	EC 100 g/L	Tetris	14	30-45 ml/100 L
	EW 100 g/L	Tetris	14	30-45 ml/100 L
thiram	WG 800 g/kg	Thiram Granules	40	4 kg/ha
triadimenol	EC 250g/L	Bayfidan	14	20 or 30ml/100 L

FUNGICIDES			APPENDIX 3C cont.	
Active ingredient (a.i.)	Formulation	Trade name	Withholding period [days] wine grapes	Dosage
<b>IP-CODING 4: MEDIUM TO HIGH RISK</b>				
copper sulphate + lime	WG 770/174 g/kg (200 g Cu)	Cuprofix Disperss	21	0.8-1 kg/100 L
furfural	EC 990 g/L	Defend	0	5 L/100 L
potassium bicarbonate	SP 850g/kg	Agri-Cure	0	300-500 g/100 L
procymidone	SC 250 g/L	Procyone, Typhoon	7	200 ml/100 L
pyraclostrobin	EC 250 g/L	Pyrax , Constrictor	28	40 ml/100 L

n/a = not applicable

## IP CODING:NEMATOCIDES (Feb 2019)

## APPENDIX 3 D

Active ingredient (a.i.)	Formulation	Trade name and	Withholding period [days] on winegrapes	Dosage
<b>IP-CODING 2: MEDIUM RISK</b>				
1,3 dichloropropene	AL 1110 g/L	Telone II, Tolerance, Trimple	n/a	150-200 L/ha
fenamiphos	GR 100 g/kg	Nemacur	100	10 g/m <sup>2</sup>
<b>IP-CODING 4: MEDIUM TO HIGH RISK</b>				
cadusafos 100 EW	EW 100g/L	Rugby	n/a	15-25 ml/m <sup>2</sup>
cadusafos 100 GR	GR 100g/kg	Rugby	n/a	15-25 g/m <sup>2</sup>
EDB 1800 AL	AL 1800 g/L	EDB	n/a	20 - 50 L/ha
fenamiphos	EC 400 g/L	Nemacur,	100	2,5 ml/m <sup>2</sup>
fenamiphos	EC 400 g/L	Fenamiphos, Spitfire	100	10 L/100 L
furfural	EC 990 g/L	Crop Guard	n/a	5 ml/m <sup>2</sup>

n/a = not applicable