

## IP CODING: HERBICIDES (Sept 2018)

## 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/<br>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<br>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<br>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  | 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                 | Mercaptothion, Merkaptotox<br>(Fruit fly bait only)                | 10                                      | 300 g/100 L     |
| 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<br>(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,<br>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, Stuijswawel                                       | 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   |
| 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        |
| lambda-cyhalothrin                      | EC 50g/L      | Karate, Lamdex Lambda, Judo (stem treatment only)                      | 28                                      | 20 ml/100L         |

| PESTICIDES   |             |   | APPENDIX 3B cont.                       |                                  |
|--|-------------|---|---|----------------------------------|
| Active ingredient (a.i.)   | Formulation | Trade name  | Withholding period [days] on winegrapes | Dosage                           |
| mercaptotion   | EC 500 g/L  | Mercaptotion (fruit fly bait only)                            | 10                                      | 175 ml/100 L                     |
| metaldehyde  | RB 30 g/kg  | Axcela  | n/a                                     | 5 - 7 kg/ha                      |
| methidathion   | EC 420 g/L  | Ultracide, Suprathion   | 8                                       | 50 ml/100 L                      |
| profenofos premium grade   | EC 500g/L   | Proton, Seleccion (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/<br>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 (Sept 2018)

## 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<br>5x10 <sup>8</sup> selle/g  | Crown Gall Inoculant  | n/a                                  | 250g/10 L    |
| <i>Ampelomyces quisqualis</i><br>M10 | WG<br>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,<br>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      |
| 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-Al                  | 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-Al + 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       |
| phosphorous acid                         | SL 300 g/L      | Brilliant  | 21-28                                   | 400 ml/100 L    |

| FUNGICIDES                                |                 |  | APPENDIX 3C cont.                        |                  |
|---|-----------------|--|--|------------------|
| Active ingredient (a.i.)                  | Formulation     | Trade name   | Withholding period [days]<br>wine grapes | Dosage           |
| 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<br>(dormant application only)        | n/a                                      | 10-12 L/100 L    |
| potassium phosphite                       | SL 400 g/L      | Hygrophos, Phosphite   | 28                                       | 300 ml/100L      |
| potassium phosphite +<br>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      |
| pyrifenoX                                 | 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,<br>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 lm/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]<br>wine grapes | Dosage          |
| <b>IP-CODING 4: MEDIUM TO HIGH RISK</b> |                               |                     |  |                 |
| copper sulphate + lime                  | WG 770/174 g/kg<br>(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:NEMATICIDES (Sept 2018)

## 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>     |
|   |             |                               |   |                         |
|   |             |                               |   |                         |
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|   |             |                               |   |                         |
|   |             |                               |   |                         |
| <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