



# Guide to Pest Control Products Registered for Use on Grapes in British Columbia

**Table 1. INSECTICIDES and MITICIDES**

**July 2026**

Read the *Best Practices Guide for Grapes* section on Insects and Mites for additional control information on these and other pests. See explanatory notes on page 13 of this document. The product label is a legal document and label instructions must be followed. The information provided in this document is general information only.

| The product labels are a legal document and label instructions must be followed. The information provided in this document is general information only.                                                                                                                                                                                                                                                                                                          |                                                                     |                    |               |                           |                        |               |                        |                                                                                                                                      |                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|--------------------|---------------|---------------------------|------------------------|---------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pest                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Product (active ingredient)<br>Pest Control Product (PCP)<br>Number | Group <sup>1</sup> | Oral Toxicity | Max<br>apps/<br>season    | Rate per<br>hectare    | Rate per acre | REI <sup>2</sup>       | PHI <sup>3</sup> (days)                                                                                                              | Precautions and Notes                                                                                                                                                                                                                                                                                           |
| Virginia<br>Creeper<br>Leafhopper<br>(VCL)<br>and/or<br>Western<br>Grape<br>Leafhopper<br>(WGL)                                                                                                                                                                                                                                                                                                                                                                  | Malathion 85E (malathion)<br><b>8372</b>                            | 1B                 | S             | 1                         | 880 mL/1000 L of water |               | 12 h-4 d               | 3                                                                                                                                    | Will suppress most beneficials except predatory mites. Not effective against the WGL. Toxic to bees.                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Admire 240 F (imidacloprid)<br><b>24094</b>                         | 4A                 | S             | 2                         | 200 mL                 | 80 mL         | 12 h                   | 0                                                                                                                                    | Toxic to bees. Do not apply during bloom or when bees are actively foraging. Target Assail sprays to small nymphs. Avoid using Group 4 products more than twice/year to prevent mite problems. Use the higher rate of Clutch when insect pressure is high. Closer is registered for suppression of leafhoppers. |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Assail 70 WP (acetamiprid)<br><b>27128</b>                          | 4A                 | S             | 2                         | 80 g                   | 32 g          | 12 h-5 d               | 5                                                                                                                                    |                                                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Closer SC (sulfoxaflor)<br><b>30826</b>                             | 4C                 | S             | 2                         | 200-400 mL             | 81-162 mL     | 12 h                   | 7                                                                                                                                    |                                                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Sivanto Prime (flupyradifurone)<br><b>31452</b>                     | 4D                 | S             | 2-4                       | 500-750 mL             | 202-304 mL    | 12 h                   | 0                                                                                                                                    | May be harmful to some beneficial insects. Do not apply when bees are foraging. Maximum 2L/ha per season.                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Surround WP (kaolin)<br><b>27469</b>                                | NC                 | S             | -                         | 25-50 kg               | 10-20 kg      | 24 h*                  | 0                                                                                                                                    | Suppression of leafhoppers. Do not apply post-bloom on table grapes. May be harmful to beneficials.                                                                                                                                                                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Ambush 500EC (permethrin)<br><b>14882</b>                           | 3A                 | M             | 4                         | 140 mL                 | 57 mL         | 12 h-2 d               | 7                                                                                                                                    | Harmful to all beneficial arthropods. Toxic to bees, do not apply while crop is in bloom or bees are foraging.                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Pounce 384EC (permethrin)<br><b>16688</b>                           | 3A                 | M             | 4                         | 175 mL                 | 71 mL         | 12 h- 2 d              | 21                                                                                                                                   |                                                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Pyganic (pyrethrins)<br><b>30164</b>                                | 3A                 | S             | 8                         | 2.32- 4.65 L           | 0.94-1.9 L    | 12 h                   | 0                                                                                                                                    | For use on organic grapes. Harmful to all beneficial arthropods. Toxic to bees.                                                                                                                                                                                                                                 |
| PureSpray Green Spray Oil 13E (mineral oil)<br><b>27666</b>                                                                                                                                                                                                                                                                                                                                                                                                      | NC                                                                  | S                  | 8             | 10 L/1000 L (1% solution) |                        | 12 h          | 0 (wine)<br>14 (table) | Leafhopper nymphs (suppression only). Do not apply within 14 days of a sulphur or captan spray. Oil will remove the bloom on grapes. |                                                                                                                                                                                                                                                                                                                 |
| <b>Additional Notes:</b> Monitor and target wingless immature stages of leafhoppers as adults are more difficult to control. Some insecticides registered for the control of leafhoppers are ineffective against the Western grape leafhopper therefore it is important to determine if this species is present in your vineyard. Consider applying insecticides only to areas where leafhoppers have exceeded the threshold level to help preserve beneficials. |                                                                     |                    |               |                           |                        |               |                        |                                                                                                                                      |                                                                                                                                                                                                                                                                                                                 |

<sup>1</sup>Group number for resistance management

<sup>2</sup>Restricted entry interval (REI) on the label. REI for grapes usually vary widely by activity. REI listed does not include Girdling or Cane Turning. An asterisk (\*) indicates that no REI is shown on the label, but the WorkSafe BC REI may apply.

<sup>3</sup>Pre-harvest interval (PHI)

☞=product is potentially organic, check with certifying body.

**Table 1. INSECTICIDES and MITICIDES****July 2026**

Read the *Best Practices Guide for Grapes* section on Insects and Mites for additional control information on these and other pests. See explanatory notes on page 13 of this document.  
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| Pest                                                                                                                                                   | Product (active ingredient)<br>Pest Control Product (PCP)<br>Number | Group <sup>1</sup> | Oral Toxicity | Max<br>apps/<br>season | Rate per<br>hectare                                                     | Rate per acre | REI <sup>2</sup> | PHI <sup>3</sup> (days) | Precautions and Notes                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|--------------------|---------------|------------------------|-------------------------------------------------------------------------|---------------|------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Climbing<br>Cutworms                                                                                                                                   | Altacor (chlorantraniliprole)<br><b>28981</b>                       | 28                 | S             | 3                      | 215-285 g                                                               | 87-115 g      | 12 h             | 14                      | Direct sprays to the developing buds.                                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                        | Altacor MaX<br>(chlorantraniliprole)<br><b>34654</b>                | 28                 | S             | 3                      | 108-143 g                                                               | 43.7-58 g     | 12 h             | 14                      | Direct sprays to the developing buds.                                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                        | Pounce 384EC (permethrin)<br><b>16688</b>                           | 3A                 | M             | 2                      | 180-360 mL                                                              | 73-146 mL     | 12-48 h          | 21                      | Direct sprays to trunk and soil surface within a radius of 0.5 m of the trunk base in the evening. Do not disturb the soil within 5 days of spraying. Harmful to all beneficial arthropods. Toxic to bees.                                                                                                                                                                                                                    |
|                                                                                                                                                        | Intrepid (methoxyfenozide)<br><b>27786</b>                          | 18                 | S             | 2                      | 600 mL                                                                  | 243 mL        | 12 h             | 30                      | Apply at first sign of cutworm damage in the spring, to the trunk, cordons, unopened buds and tender shoots.                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                                                        | Scorpio Ant and Insect<br>Bait (spinosad)<br><b>33306</b>           | 5                  | S             | 3                      | 25 – 50 kg<br>(2.5-5.0 g/m <sup>2</sup> ).                              | 10 – 20k g    | 24 h *           | 7                       | Broadcast the bait on the soil around plants to be protected. Apply at or just before anticipated emergence of climbing cutworm larvae in the spring. Use high rate for high pest pressure. Re-apply every 4 weeks.                                                                                                                                                                                                           |
| <b>Additional Notes:</b> To help reduce cutworm damage, do not control broadleaf weeds until shoots have elongated and the first leaves have expanded. |                                                                     |                    |               |                        |                                                                         |               |                  |                         |                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Snailcase<br>Bagworm                                                                                                                                   | Dipel 2X DF ( <i>Bacillus thuringiensis</i> )<br><b>26508</b>       | 11                 | S             | 1                      | 1125 g                                                                  | 455 g         | dry or 4h        | 0                       | Apply in late summer when larvae are feeding.                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                        | Bioprotec PLUS ( <i>Bacillus thuringiensis</i> )<br><b>32425</b>    | 11                 | S             | 1                      | 1.8 L                                                                   | 0.7 L         | dry or 4h        | 0                       |                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                                                                                        | Bioprotec CAF ( <i>Bacillus thuringiensis</i> )<br><b>26854</b>     | 11                 | S             | 1                      | 2.8 L                                                                   | 1.1 L         | 24 h*            | 0                       |                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Grape<br>Mealybug                                                                                                                                      | Vegol Crop Oil (canola oil)<br><b>32408</b>                         | NC                 | S             | 2 dormant,<br>4 summer | 2% solution (1L per 50 L water)                                         |               | 24 h*            | 0 (wine)<br>14 (table)  | Toxic to beneficial insects. Dormant and summer application.                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                                                        | PureSpray Green Spray Oil<br>13E (mineral oil)<br><b>27666</b>      | NC                 | S             | 8                      | 20 L/1000 L water (dormant)<br>1% solution (10 L/1000 L water) (summer) |               | 4 L              | 12 h                    | Do not apply just prior to or during freezing temperatures or rain. Maximum of 2 dormant applications/year (repeat 10-14 days) if summer sprays are planned. Target summer sprays to the crawler stage (suppression only); repeat 10 -14 days as needed. Oil removes grape bloom. Do not tank mix oil and copper more than once/season or use with fruit present. Do not use oil within 14 days of a sulphur or captan spray. |

<sup>1</sup>Group number for resistance management<sup>2</sup>Restricted entry interval (REI) on the label. REI for grapes usually vary widely by activity. REI listed does not include Girdling or Cane Turning. An asterisk (\*) indicates that no REI is shown on the label, but the WorkSafe BC REI may apply.<sup>3</sup>Pre-harvest interval (PHI)

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**Table 1. INSECTICIDES and MITICIDES****July 2026**

Read the *Best Practices Guide for Grapes* section on Insects and Mites for additional control information on these and other pests. See explanatory notes on page 13 of this document.  
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| Pest                                                                                                                                  | Product (active ingredient)<br>Pest Control Product (PCP)<br>Number                                     | Group <sup>1</sup> | Oral Toxicity | Max<br>apps/<br>season | Rate per<br>hectare                                                                                       | Rate per acre | REI <sup>2</sup> | PHI <sup>3</sup> (days) | Precautions and Notes                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------|---------------|------------------------|-----------------------------------------------------------------------------------------------------------|---------------|------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Grape<br/>Mealybug</b>                                                                                                             | ☞ Kopa Insecticidal Soap /<br>Opal Insecticidal Soap<br>(potassium salts of fatty acid)<br><b>31433</b> | NC                 | S             | -                      | 1% solution if used in tank<br>mix. 2% solution when not<br>mixed. Apply solution at 700<br>to 1900 L/ha. |               | 24 h*            | 0                       | Target sprays to the crawler stage in the spring. Do not apply<br>with sulphur or within 3 days of sulphur spray. Also suppresses<br>leafhoppers. Do not use on table grapes >6-7 mm in diameter                                                                                                                                                                                                                                                |
|                                                                                                                                       | Movento 240 SC<br>(spirotetramat)<br><b>28953</b>                                                       | 23                 | S             | 960<br>ml/ha/yr        | 365-585 mL                                                                                                | 148-237 mL    | 12 h             | 7                       | Movento has good systemic activity. DO NOT apply to table<br>grapes. Toxic to bees. Insecticide must be tank-mixed with a spray<br>adjuvant.                                                                                                                                                                                                                                                                                                    |
|                                                                                                                                       | Malathion 85E (malathion)<br><b>8372</b>                                                                | 1B                 | S             | 1                      | 880 mL/1000 L of water                                                                                    |               | 12 h-4 d         | 3                       | Target sprays to the crawler stage in the spring. Will suppress<br>most beneficials except predatory mites.                                                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                       | Clutch (clothianidin)<br><b>29382</b>                                                                   | 4A                 | S             | 1                      | 140-210 g                                                                                                 | 57-85 g       | 12 h             | 1                       | Toxic to bees. Avoid using Group 4 products more than<br>twice/season to prevent mite problems. Use the higher rate when<br>insect pressure is high.                                                                                                                                                                                                                                                                                            |
| <b>Additional Notes:</b> It is important to monitor for and control mealybugs if you have or suspect leafroll virus in your vineyard. |                                                                                                         |                    |               |                        |                                                                                                           |               |                  |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Grape<br/>Phylloxera</b>                                                                                                           | Movento 240 SC<br>(spirotetramat)<br><b>28953</b>                                                       | 23                 | S             | 960<br>ml/ha/yr        | 365-585 mL                                                                                                | 148-236 mL    | 12 h             | 7                       | Movento has good systemic activity. DO NOT apply to table<br>grapes. Toxic to bees. Insecticide must be tank-mixed with a spray<br>adjuvant                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                       | Clutch (clothianidin)<br><b>29382</b>                                                                   | 4A                 | S             | 1                      | 140-210 g                                                                                                 | 57-85 g       | 12 h             | 1                       | Toxic to bees. Avoid using Group 4 products more than<br>twice/season to prevent mite problems. Use the higher rate<br>when insect pressure is high.                                                                                                                                                                                                                                                                                            |
| <b>Additional Notes:</b> Resistant rootstocks provide an effective means of combating phylloxera.                                     |                                                                                                         |                    |               |                        |                                                                                                           |               |                  |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Scale</b>                                                                                                                          | ☞ Vegol Crop Oil (canola oil)<br><b>32408</b>                                                           | NC                 | S             | 2 dormant,<br>4 summer | 2% solution (1L per 50 L<br>water)                                                                        |               | 24 h*            | 0 (wine)<br>14 (table)  | Toxic to beneficial insects. Dormant and summer application.<br>Begin when pests appear; repeat every 7 to 14 days as needed.                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                       | ☞ Kopa Insecticidal Soap /<br>Opal Insecticidal Soap<br>(potassium salts of fatty acid)<br><b>31433</b> | NC                 | S             | -                      | 1% solution if used in tank<br>mix. 2% solution when not<br>mixed. Apply solution at 700<br>to 1900 L/ha. |               | 24 h*            | 0                       | Target sprays to the crawler stage in the spring. Do not apply<br>with sulphur or within 3 days of sulphur spray. Also suppresses<br>leafhoppers. Do not use on table grapes >6-7 mm in diameter                                                                                                                                                                                                                                                |
|                                                                                                                                       | ☞ PureSpray Green Spray Oil<br>13E (mineral oil)<br><b>27666</b>                                        | NC                 | S             | 8                      | 20 L/1000 L water (dormant)<br>1% solution (10 L/1000 L<br>water) (summer)                                |               | 12 h             | 0 (wine)<br>14 (table)  | Do not apply just prior to or during freezing temperatures or rain.<br>Maximum of 2 dormant applications/year (repeat 10-14 days) if<br>summer sprays are planned. Target summer sprays to the crawler<br>stage (suppression only); repeat 10 -14 days as needed. Oil<br>removes grape bloom. Do not tank mix oil and copper more than<br>once/season or use with fruit present. Do not use oil within 14<br>days of a sulphur or captan spray. |
|                                                                                                                                       | Movento 240 SC<br>(spirotetramat)<br><b>28953</b>                                                       | 23                 | S             | 960<br>ml/ha/yr        | 365-585 mL                                                                                                | 148-236 mL    | 12 h             | 7                       | DO NOT apply to table grapes. Toxic to bees. Insecticide must be<br>tank-mixed with a spray adjuvant                                                                                                                                                                                                                                                                                                                                            |

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| Pest                                                   | Product (active ingredient)<br>Pest Control Product (PCP)<br>Number                                                                                                                                                                                                                    | Group <sup>1</sup> | Oral Toxicity | Max<br>apps/<br>season | Rate per<br>hectare                                                                              | Rate per acre | REI <sup>2</sup> | PHI <sup>3</sup> (days) | Precautions and Notes                                                                                                                                                                      |
|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------|------------------------|--------------------------------------------------------------------------------------------------|---------------|------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                        | Malathion 85E (malathion)<br><b>8372</b>                                                                                                                                                                                                                                               | 1B                 | S             | 1                      | 880 mL/1000 L of water                                                                           |               | 12 h-4 d         | 3                       | Target sprays to the crawler stage in the summer. Will suppress most beneficials except predatory mites.                                                                                   |
|                                                        | <b>Additional Notes:</b> It is important to monitor for and control scale insects if you have or suspect leafroll virus in your vineyard.                                                                                                                                              |                    |               |                        |                                                                                                  |               |                  |                         |                                                                                                                                                                                            |
| <b>Thrips</b>                                          | ☞ Entrust (spinosad)<br><b>30382</b>                                                                                                                                                                                                                                                   | 5                  | S             | 3                      | 364 mL                                                                                           | 147 mL        | dry-7 d          | 7                       | For suppression of thrips. Toxic to bees and harmful to beneficial insects and predatory mites.                                                                                            |
|                                                        | Success Insecticide (spinosad)<br><b>26835</b>                                                                                                                                                                                                                                         | 5                  | S             | 3                      | 182 mL                                                                                           | 74 mL         | dry-7 d          | 7                       |                                                                                                                                                                                            |
|                                                        | Clutch (clothianidin)<br><b>29382</b>                                                                                                                                                                                                                                                  | 4A                 | S             | 1                      | 140 g                                                                                            | 57 g          | 12 h             | 1                       | Toxic to bees. Avoid using Group 4 products more than twice/season to prevent mite problems.                                                                                               |
|                                                        | Harvanta 50SL (cyclaniliprole)<br><b>32889</b>                                                                                                                                                                                                                                         | 28                 | S             | 3                      | 1.2-1.6 L                                                                                        | 486-648 mL    | 12 h             | 7                       | For suppression of Western flower thrips. Toxic to bees. Avoid application during blooming period or apply in the evening when bees are not foraging.                                      |
|                                                        | <b>Additional Notes:</b> Thrips are not normally an economic concern for wine grapes. Inspect table grapes for the presence of thrips in spring from around 75% bloom to the end of fruit set and apply insecticides as required. Avoid mowing cover crops during bloom and fruit set. |                    |               |                        |                                                                                                  |               |                  |                         |                                                                                                                                                                                            |
| <b>Two-Spotted Spider Mites and European Red Mites</b> | ☞ Vegol Crop Oil (canola oil)<br><b>32408</b>                                                                                                                                                                                                                                          | NC                 | S             | 2 dormant<br>4 summer  | 2% solution (1L per 50 L water)                                                                  |               | 24 h*            | 0 (wine)<br>14 (table)  | Toxic to beneficial insects. Dormant and summer application. Begin when pests appear; repeat every 7 to 14 days as needed.                                                                 |
|                                                        | ☞ SuffOil-X (mineral oil)<br><b>33099</b>                                                                                                                                                                                                                                              | NC                 | S             | 8                      | 1.0% solution (10.0 L/1000 L water)                                                              |               | 12 h             | 0 (wine)<br>14 (table)  | Summer oil for suppression of mites. Begin applications when mites appear; repeat 10-14 days as needed. Do not apply 14 days before or after a captan spray.                               |
|                                                        | ☞ Kopa Insecticidal Soap / Opal Insecticidal Soap (potassium salts of fatty acid)<br><b>31433</b>                                                                                                                                                                                      | NC                 | S             | -                      | 1% solution if used in tank mix. 2% solution when not mixed. Apply solution at 700 to 1900 L/ha. |               | 24 h*            | 0                       | Target sprays to the crawler stage in the spring. Do not apply with sulphur or within 3 days of sulphur spray. Also suppresses leafhoppers. Do not use on table grapes >6-7 mm in diameter |
|                                                        | Malathion 85E (malathion)<br><b>8372</b>                                                                                                                                                                                                                                               | 1B                 | S             | 1                      | 880 mL/1000 L of water                                                                           |               | 12 h-4 d         | 3                       | Will suppress most beneficial insects except predatory mites. Toxic to bees.                                                                                                               |
|                                                        | Agri-mek SC (abamectin)<br><b>31607</b>                                                                                                                                                                                                                                                | 6                  | V             | 2                      | 130-265 mL                                                                                       | 53-107 mL     | 12 h-21 d        | 28                      | Use with a non-ionic surfactant at 0.1 – 0.5 % volume. Use higher rate for severe infestations. Toxic to bees.                                                                             |
|                                                        | Magister SC (fenazaquin)<br><b>34544</b>                                                                                                                                                                                                                                               | 21                 | S             | 1                      | 1.75 - 2.34 L                                                                                    | 0.71 – 1.0 L  | 12 h-15 d        | 15                      | Toxic to bees.                                                                                                                                                                             |
|                                                        | Nexter (pyridaben)<br><b>25135</b>                                                                                                                                                                                                                                                     | 21                 | S             | 1                      | 300-600 g                                                                                        | 121-243 g     | 12 h-30 d        | 25                      | Toxic to bees. High rates are harmful to predatory mites.                                                                                                                                  |
|                                                        | Envidor 240 SC (spiroticlofen)<br><b>28051</b>                                                                                                                                                                                                                                         | 23                 | S             | 1                      | 0.75 L                                                                                           | 304 mL        | 12 h             | 14                      | Toxic to predatory mites. Post-bloom application only.                                                                                                                                     |

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| Pest                                                                                                                                                                                                                                           | Product (active ingredient)<br>Pest Control Product (PCP)<br>Number                                                                                                                                                                                                                                                              | Group <sup>1</sup> | Oral Toxicity | Max<br>apps/<br>season | Rate per<br>hectare                                                                              | Rate per acre                              | REI <sup>2</sup> | PHI <sup>3</sup> (days) | Precautions and Notes                                                                                                                                                                      |
| Two-Spotted Spider Mites<br>and European Red Mites                                                                                                                                                                                             | Acramite 50 WS (bifenazate)<br>27925                                                                                                                                                                                                                                                                                             | 20D                | S             | 1                      | 568 g (spider mite), 851 g (Eur. red mite)                                                       | 230 g (spider mite), 345 g (Eur. red mite) | 12 h-1 d         | 14                      | May harm beneficial insects and predatory mites. Rates are equivalent to 2-3 pouches per 2 acres.                                                                                          |
|                                                                                                                                                                                                                                                | Nealta (cyflumetofen)<br>31284                                                                                                                                                                                                                                                                                                   | 25                 | S             | 2                      | 1 L                                                                                              | 405 mL                                     | 12 h             | 14                      | Effective on all life stages. Safe on beneficial insects.                                                                                                                                  |
|                                                                                                                                                                                                                                                | ☞ PureSpray Green Spray Oil 13E (mineral oil)<br>27666                                                                                                                                                                                                                                                                           | NC                 | S             | 8                      | 10 L/ 1000 L (1% solution)                                                                       |                                            | 12 h             | 0 (wine)<br>14 (table)  | Summer oil for suppression of mites. Do not apply within 14 days of a sulphur or captan spray.                                                                                             |
|                                                                                                                                                                                                                                                | Additional Notes: To preserve and enhance beneficial species that help to control mites, apply pesticides only when necessary and only to parts of the vineyard where pest populations are sufficiently high to warrant control. Rotate materials from different chemical groups to help prevent development of mite resistance. |                    |               |                        |                                                                                                  |                                            |                  |                         |                                                                                                                                                                                            |
| Grape Erineum Mite                                                                                                                                                                                                                             | ☞ Kumulus DF / Cosavet DF Edge (sulphur)<br>18836 /31869                                                                                                                                                                                                                                                                         | M                  | S             | 8                      | 3.4 kg                                                                                           | 1.4 kg                                     | 24 h             | 21 (wine)<br>1 (table)  | Apply at pre-bloom at first sign of gall formation on leaves. May cause injury during hot weather See label for sensitive varieties.                                                       |
|                                                                                                                                                                                                                                                | ☞ PureSpray Green Spray Oil 13E (mineral oil)<br>27666                                                                                                                                                                                                                                                                           | NC                 | S             | 8                      | 10 L/ 1000 L (1% solution)                                                                       |                                            | 12 h             | 0 (wine)<br>14 (table)  | Summer oil for suppression of mites. Do not apply within 14 days of a sulphur or captan spray.                                                                                             |
|                                                                                                                                                                                                                                                | ☞ Vegol Crop Oil (canola oil)<br>32408                                                                                                                                                                                                                                                                                           | NC                 | S             | 2 dormant<br>4 summer  | 2% solution (1L per 50 L water)                                                                  |                                            | 24 h*            | 0 (wine)<br>14 (table)  | Toxic to beneficial insects. Dormant and summer application. Begin when pests appear; repeat every 7 to 14 days as needed.                                                                 |
|                                                                                                                                                                                                                                                | ☞ SuffOil-X (mineral oil)<br>33099                                                                                                                                                                                                                                                                                               | NC                 | S             | 8                      | 1.0% solution (10.0L/1000 L water)                                                               |                                            | 12 h             | 0 (wine)<br>14 (table)  | Summer oil for suppression of mites. Begin applications when mites appear; repeat 10-14 days as needed. Do not apply 14 days before or after a captan spray.                               |
|                                                                                                                                                                                                                                                | ☞ Kopa Insecticidal Soap / Opal Insecticidal Soap (potassium salts of fatty acid)<br>31433                                                                                                                                                                                                                                       | NC                 | S             | -                      | 1% solution if used in tank mix. 2% solution when not mixed. Apply solution at 700 to 1900 L/ha. |                                            | 24 h*            | 0                       | Target sprays to the crawler stage in the spring. Do not apply with sulphur or within 3 days of sulphur spray. Also suppresses leafhoppers. Do not use on table grapes >6-7 mm in diameter |
| Additional Notes: Erineum mite is seldom a problem in vineyards where sulphur is applied routinely for powdery mildew control. Applications of sulphur are most effective early in the season when galls are first being formed on new leaves. |                                                                                                                                                                                                                                                                                                                                  |                    |               |                        |                                                                                                  |                                            |                  |                         |                                                                                                                                                                                            |
| Grape Leaf Rust Mite                                                                                                                                                                                                                           | There are no miticides currently registered specifically for the control of grape leaf rust mite. Sulphur (Kumulus, Cosavet) applied for grape erineum mite will also help to control grape leaf rust mite. Apply in high volume sprays during bud swell to woolly bud stage.                                                    |                    |               |                        |                                                                                                  |                                            |                  |                         |                                                                                                                                                                                            |
| Yellow Jacket Wasps                                                                                                                                                                                                                            | UP-Cyde (cypermethrin)<br>28795                                                                                                                                                                                                                                                                                                  | 3                  | S             | 2                      | 245 mL                                                                                           | 99 mL                                      | 12 h             | 2-mech<br>7-hand        | Do not use on table grapes. PHI is 7 days for hand harvest or 2 days for mechanical harvest. Toxic to bees.                                                                                |
| Spotted Wing Drosophila                                                                                                                                                                                                                        | Harvanta (cyclaniliprole)<br>32889                                                                                                                                                                                                                                                                                               | 28                 | S             | 3                      | 1.2-1.6 L                                                                                        | 486-648 mL                                 | 12 h             | 7                       | Toxic to bees. Use the higher rate when insect pressure is high. Spray volume of 935 – 1400L/ha water.                                                                                     |
|                                                                                                                                                                                                                                                | Delegate (spinetoram)<br>28778                                                                                                                                                                                                                                                                                                   | 5                  | S             | 3                      | 350 g                                                                                            | 142 g                                      | 12 h             | 7                       | Toxic to bees.                                                                                                                                                                             |

<sup>1</sup>Group number for resistance management<sup>2</sup>Restricted entry interval (REI) on the label. REI for grapes usually vary widely by activity. REI listed does not include Girdling or Cane Turning. An asterisk (\*) indicates that no REI is shown on the label, but the WorkSafe BC REI may apply.<sup>3</sup>Pre-harvest interval (PHI)

☞=product is potentially organic, check with certifying body.

**Table 1. INSECTICIDES and MITICIDES****July 2026**

Read the *Best Practices Guide for Grapes* section on Insects and Mites for additional control information on these and other pests. See explanatory notes on page 13 of this document.  
 The product label is a legal document and label instructions must be followed. The information provided in this document is general information only.

| Pest    | Product (active ingredient)<br>Pest Control Product (PCP)<br>Number | Group <sup>1</sup> | Oral Toxicity | Max<br>apps/<br>season | Rate per<br>hectare | Rate per acre | REI <sup>2</sup> | PHI <sup>3</sup> (days) | Precautions and Notes                                                                                                          |
|---------|---------------------------------------------------------------------|--------------------|---------------|------------------------|---------------------|---------------|------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Earwigs | ☞ Pyganic (pyrethrins)<br>30164                                     | 3A                 | S             | 8                      | 2.32- 4.65 L        | 0.94-1.9 L    | 12 h             | 0                       | For use on organic grapes. Harmful to all beneficial arthropods.<br>Toxic to bees.                                             |
|         | ☞ Scorio Ant and Insect Bait<br>(spinosad)<br>33306                 | 5                  | S             | 3                      | 25 – 50 kg          | 10 – 20k g    | 24 h*            | 7                       | Broadcast the bait on the soil around plants to be protected. Use<br>high rate for high pest pressure. Re-apply every 4 weeks. |

<sup>1</sup>Group number for resistance management

<sup>2</sup>Restricted entry interval (REI) on the label. REI for grapes usually vary widely by activity. REI listed does not include Girdling or Cane Turning. An asterisk (\*) indicates that no REI is shown on the label, but the WorkSafe BC REI may apply.

<sup>3</sup>Pre-harvest interval (PHI)

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## Table 2. FUNGICIDES

January 2026

Read the *Best Practices Guide for Grapes* section on diseases for primary information on disease management. See explanatory notes on page 13 of this document.

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| Disease                | Product (active ingredient(s))<br>Pest Control Product (PCP) Number | Group <sup>1</sup> | Resistance Risk | Max apps/ yr | Rate per hectare                                                   | Rate per acre | REI <sup>2</sup> | PHI <sup>3</sup> (days) | Precautions and Notes                                                                                                                                                                                                                        |
|------------------------|---------------------------------------------------------------------|--------------------|-----------------|--------------|--------------------------------------------------------------------|---------------|------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Vine decline (cankers) | Senator 50 SC (thiophanate-methyl) <b>32096</b>                     | 1                  | high            | 2            | 2.352 L                                                            | 952 mL        | 12 h             | 45                      | Labelled pathogens: <i>Eutypa lata</i> , <i>Diplodia seriata</i> , <i>Neofusicoccum parvum</i> , <i>Phomopsis viticola</i> . Apply as a directed spray from dormancy (initiate soon after pruning) to bud break at a 14- to 21-day interval. |
|                        | Allegro 500 F (fluazinam) <b>27517</b>                              | 29                 | low             | 2            | 1.0 L                                                              | 405 mL        | 12 h – 9 d       | 21                      | Labelled pathogen: <i>Phomopsis viticola</i> . Wine grapes only. For control of dead arm, the first application is to be made preventively.                                                                                                  |
| Powdery mildew         | ☞ Parazol WG (copper hydroxide) <b>29063</b>                        | M01                | low             | 8            | 2.24-6.72 kg                                                       | 0.9-2.72 kg   | 48 h             | 2                       | Apply at bud break and continue every 3 days. Use 400- 600 L water/ha. May cause injury to foliage of copper-sensitive varieties such as Concord.                                                                                            |
|                        | ☞ Cueva (copper octanoate) <b>31825</b>                             | M01                | low             | 15           | 0.5% to 2% solution (0.5-2 L / 100 L water) or at 470-940 L per ha |               | 4 h              | 1                       | Apply at the start of flowering and continue every 7 to 10 days. Do not mix with lime. Certain Vitis vinifera and French hybrid varieties may be sensitive to copper sprays resulting in marginal leaf burn.                                 |
|                        | ☞ Kumulus DF / Cosavet DF (sulphur) <b>18836</b>                    | M02                | low             | 8            | 4.2 kg                                                             | 1.7 kg        | 24 h             | 1 (table)<br>21 (wine)  | Repeated applications may harm beneficial mites. Apply at 10-day intervals. May cause injury during hot weather (>27 °C) and on sensitive varieties. Do not use within 30 days of an oil.                                                    |
|                        | ☞ Lime Sulphur (sulphide sulphur) <b>16465</b>                      | M02                | low             | 1            | 7.3 L / 100 L water                                                |               | 48 h             | 120                     | Apply 500L of spray mixture/ha during dormant stage in late fall or early spring prior to bud swell.                                                                                                                                         |
|                        | Nova (myclobutanil) <b>22399</b>                                    | 3                  | medium          | 5            | 200 g                                                              | 81 g          | 12 h-7 d         | 14                      | Apply at 21-day intervals. Limit group 3 fungicides to 2 sprays per season for resistance management.                                                                                                                                        |
|                        | Mettle 125ME (tetraconazole) <b>30676</b>                           | 3                  | medium          | 2            | 219-365 mL                                                         | 89-148 mL     | 12 h-23 d        | 15                      | Apply at 14–21-day intervals. Limit group 3 fungicides to 2 sprays per season for resistance management.                                                                                                                                     |
|                        | Fullback (flutriafol) <b>31679</b>                                  | 3                  | medium          | 2            | 585-731 mL                                                         | 237-296 mL    | 12 h-7 d         | 14                      | Apply at 14–21-day intervals. Limit group 3 fungicides to 2 sprays per season for resistance management.                                                                                                                                     |
|                        | Cevya (mefentrifluconazole) <b>33405</b>                            | 3                  | medium          | 4            | 190-250 mL                                                         | 77-101 mL     | 12 h             | 14                      | Apply preventatively at 14-day intervals. Limit group 3 fungicides to 2 sprays per season for resistance management.                                                                                                                         |
|                        | Inspire Super (difenoconazole + cyprodinil) <b>30827</b>            | 3 + 9              | medium          | 2            | 836 mL                                                             | 338 mL        | 7 d              | 14                      | Apply at 15–21-day intervals. Note higher rate needed for Botrytis control. Alternate with fungicides from different groups.                                                                                                                 |

<sup>1</sup>Group number for resistance management

<sup>2</sup>Restricted entry interval (REI) on the label. REI for grapes usually vary widely by activity. REI listed does not include Girdling or Cane Turning. An asterisk (\*) indicates that no REI is shown on the label, but the WorkSafe BC REI may apply.

<sup>3</sup>Pre-harvest interval (PHI)

☞=product is potentially organic, check with certifying body.

**Table 2. FUNGICIDES****January 2026**Read the *Best Practices Guide for Grapes* section on diseases for primary information on disease management. See explanatory notes on page 13 of this document.

The product label is a legal document and label instructions must be followed. The information provided in this document is general information only.

| Disease               | Product (active ingredient(s))<br>Pest Control Product (PCP) Number | Group <sup>1</sup> | Resistance Risk | Max apps/ yr | Rate per hectare | Rate per acre | REI <sup>2</sup> | PHI <sup>3</sup> (days) | Precautions and Notes                                                                                                                                                                                                                          |
|-----------------------|---------------------------------------------------------------------|--------------------|-----------------|--------------|------------------|---------------|------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Powdery mildew</b> | Aprovia Top (benzovindiflupyr + difenoconazole) <b>31526</b>        | 7 + 3              | medium to high  | 6            | 643 mL           | 260 mL        | 12 h-2 d         | 21                      | Apply beginning at bud break on a 11–21-day interval. Alternate with fungicides from different groups.                                                                                                                                         |
|                       | Priwen 500EC (spiroxamine) <b>31959</b>                             | 5                  | low to medium   | 2            | 400-600 mL       | 162-243 mL    | 12 h -17 d       | 35                      | Wine grapes only. Do not use on table grapes. Use on a preventative schedule at 14-day intervals.                                                                                                                                              |
|                       | Aprovia (benzovindiflupyr) <b>31981</b>                             | 7                  | medium to high  | 3            | 500-750 mL       | 202-304 mL    | 12 h             | 21                      | Apply beginning at bud break on a 7–21-day interval. Alternate with fungicides from different groups.                                                                                                                                          |
|                       | Cantus WDG (boscalid) <b>30141</b>                                  | 7                  | medium to high  | 5            | 315 g            | 128 g         | 12 h             | 14                      | Apply on a 10–14-day schedule. Use the shorter interval when disease pressure is high.                                                                                                                                                         |
|                       | Sercadis (fluxapyroxad) <b>31697</b>                                | 7                  | medium to high  | 6            | 250-333 mL       | 101-135 mL    | 12 h             | 14                      | Apply beginning at bud break or prior to onset of disease on a 7-to-14-day interval.                                                                                                                                                           |
|                       | Luna Tranquility (fluopyram + pyrimethanil) <b>30510</b>            | 7 + 9              | medium to high  | 3            | 600 mL           | 243 mL        | 12-24 h          | 45                      | Apply preventatively and continue as needed on a 7–14-day interval.                                                                                                                                                                            |
|                       | Merivon (fluxapyroxad + pyraclostrobin) <b>33951</b>                | 7 + 11             | medium to high  | 6            | 300 mL           | 121 mL        | 12 h-21 d        | 14                      | Do not use on Table Grapes. Do not tank mix with any other pesticide. Do not use on Concord, Noiret, and NY73.0136.17 due to possible foliar injury. <b>THE POWDERY MILDEW PATHOGEN HAS CONFIRMED RESISTANCE TO GROUP 11 FUNGICIDES IN BC.</b> |
|                       | Pristine WG (boscalid + pyraclostrobin) <b>27985</b>                | 7 + 11             | medium to high  | 6            | 420-735 g        | 170-297 g     | dry- 21 d        | 14                      | See label for details on rates and spray intervals. Also suppresses botrytis. Do not use on table grapes. <b>THE POWDERY MILDEW PATHOGEN HAS CONFIRMED RESISTANCE TO GROUP 11 FUNGICIDES IN BC.</b>                                            |
|                       | Flint (trifloxystrobin) <b>34962</b>                                | 11                 | high            | 2            | 110-145 mL       | 45-59 mL      | 12 h- 18 d       | 14                      | Apply preventively and continue as needed on a 14–21-day interval. <b>THE POWDERY MILDEW PATHOGEN HAS CONFIRMED RESISTANCE TO GROUP 11 FUNGICIDES IN BC.</b>                                                                                   |
|                       | Intuity (mandestrobin) <b>32288</b>                                 | 11                 | high            | 3            | 439-877 mL       | 178-355 mL    | 12 h             | 10                      | Suppression only. <b>THE POWDERY MILDEW PATHOGEN HAS CONFIRMED RESISTANCE TO GROUP 11 FUNGICIDES IN BC.</b>                                                                                                                                    |
|                       | Sovran WG (kresoxim-methyl) <b>26257</b>                            | 11                 | high            | 2            | 240 g            | 97g           | 48 h             | 14                      | Apply during pre and / or post bloom on a 14–21-day re-application interval, depending on disease pressures. <b>THE POWDERY MILDEW PATHOGEN HAS CONFIRMED RESISTANCE TO GROUP 11 FUNGICIDES IN BC.</b>                                         |
|                       | Gatten (flutianil) <b>34297</b>                                     | U13                | unknown         | 4            | 400 – 690 mL     | 162 – 279 mL  | 12 h             | 14 days                 | Apply to foliage during the fruiting stage. Application interval: 7 – 14 days. Use a higher rate and shorter spray interval under high disease.                                                                                                |

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**Table 2. FUNGICIDES****January 2026**Read the *Best Practices Guide for Grapes* section on diseases for primary information on disease management. See explanatory notes on page 13 of this document.

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| Disease        | Product (active ingredient(s))<br>Pest Control Product (PCP) Number   | Group <sup>1</sup> | Resistance Risk | Max apps/ yr | Rate per hectare                                                                              | Rate per acre | REI <sup>2</sup> | PHI <sup>3</sup> (days) | Precautions and Notes                                                                                                                                  |
|----------------|-----------------------------------------------------------------------|--------------------|-----------------|--------------|-----------------------------------------------------------------------------------------------|---------------|------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Powdery mildew | Diplomat 5SC (polyoxin D zinc salt)<br><b>32918</b>                   | 19                 | medium          | 3            | 259-926 mL                                                                                    | 105-375 mL    | when dry         | 0                       | Apply preventatively at a 7–14-day interval. Use higher rate and shorter intervals when disease pressure is high. Maximum 3 applications at full rate. |
|                | Magister SC (fenazaquin)<br><b>34544</b>                              | 39                 | unknown         | 1            | 1.75 - 2.63 L                                                                                 | 0.71 – 1.06 L | 12 h-15 d        | 15                      | Toxic to bees.                                                                                                                                         |
|                | Property 300 SC (pyriofenone) <b>32534</b>                            | 50                 | medium          | 3            | 300-366 mL                                                                                    | 121-148 mL    | 12 h             | 0                       | Apply preventatively at 14-day intervals.                                                                                                              |
|                | Vivando (metrafenone)<br><b>29765</b>                                 | 50                 | medium          | 6            | 750 mL                                                                                        | 304 mL        | 12 h             | 14                      | Apply at 14–21-day intervals; use shorter interval for high disease pressure.                                                                          |
|                | ☞ ProBlad Biofungicide (BLAD polypeptide)<br><b>34050</b>             | BM01               | low             | 5            | 1.5-3.3 L                                                                                     | 0.6-1.3 L     | 4 h or when dry  | 0                       | Apply a minimum of 375 L of spray solution per hectare. Diseases suppression. Use higher rate for high disease pressure. Apply at 7-10 day intervals.  |
|                | ☞ Timorex Gold (tea tree oil) <b>30910</b>                            | BM01               | low             | -            | 1.5-2.0 L                                                                                     | 0.6-0.81 L    | 4 h or when dry  | 2                       | Apply at 7-14 day intervals. Do not apply with sulphur products.                                                                                       |
|                | ☞ Taegro 2 ( <i>Bacillus subtilis</i> ) <b>31865</b>                  | BM02               | low             | -            | 187.5-375 g                                                                                   | 76-152 g      | 0                | 0                       | Apply a min of 187 liters of spray solution per hectare. Use higher rate under high disease pressure. Apply at 7 – 14 day interval.                    |
|                | ☞ Double Nickel ( <i>Bacillus amyloliquefaciens</i> )<br><b>31887</b> | BM02               | low             | -            | 2.5-5 L                                                                                       | 1-2 L         | when dry         | 0                       | Disease suppression only. Apply at 7-10 day intervals. Use higher rate and closer timings under high disease pressure.                                 |
|                | ☞ Serifel ( <i>Bacillus amyloliquefaciens</i> )<br><b>30054</b>       | BM02               | low             | -            | 250-500 g                                                                                     | 101-202g      | 4 h or when dry  | 0                       | Disease suppression only. Apply preventatively at 5-10 day intervals.                                                                                  |
|                | ☞ Serenade Opti ( <i>Bacillus subtilis</i> )<br><b>31666</b>          | BM02               | low             | -            | 1.7-3.3 kg                                                                                    | 688 g-1.34 kg | 4 h or when dry  | 0                       | Suppression only.                                                                                                                                      |
|                | ☞ Regalia Maxx ( <i>Reynoutria sachalinensis</i> )<br><b>30199</b>    | P05                | low             | -            | 0.125- 0.25 % solution (use 500-1500 L of water)                                              |               | when dry         | 0                       | Suppression only. Apply after shoot emergence and new shoots are approximately 1-3 cm in length. Repeat applications at 7-14 day intervals.            |
|                | ☞ LifeGard WG ( <i>Bacillus mycoides</i> )<br><b>32526</b>            | P06                | low             | -            | 0.33 grams per L of water. Do not apply less than 70 grams or more than 333 grams per hectare |               | 4 h or when dry  | 0                       | Suppression only. Foliar applications only. Begin as a preventative spray. Repeat every 7-21 days as part of a rotational program.                     |
|                | ☞ Actinovate AG                                                       | NC                 | low             | -            | 425-840 g                                                                                     | 172-340 g     | 4 h or           | 0                       | Suppression only. Use within 4 hours of preparation.                                                                                                   |

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| Disease                   | Product (active ingredient(s))<br>Pest Control Product (PCP) Number | Group <sup>1</sup> | Resistance Risk | Max apps/ yr | Rate per hectare                    | Rate per acre | REI <sup>2</sup> | PHI <sup>3</sup> (days) | Precautions and Notes                                                                                                                                                                                |
|---------------------------|---------------------------------------------------------------------|--------------------|-----------------|--------------|-------------------------------------|---------------|------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Powdery mildew</b>     | ( <i>Streptomyces lydicus</i> )<br><b>34041</b>                     |                    |                 |              |                                     |               | when dry         |                         |                                                                                                                                                                                                      |
|                           | ☞ Buran (garlic powder)<br><b>30601</b>                             | NC                 | low             | -            | 18 L                                | 7.3 L         | dry              | 0                       | Suppression only. Applications may be made every 7- 14 days if conditions remain conducive to disease development                                                                                    |
|                           | ☞ PureSpray Green Spray Oil 13E (mineral oil)<br><b>27666</b>       | NC                 | low             | 8            | 1% solution (10 L per 1000 L water) |               | 12 h             | 0 (wine)<br>14 (table)  | Suppression only. Apply on a 10-21 day interval. Do not apply within 14 days of a sulphur spray.                                                                                                     |
|                           | ☞ SuffOil-X (mineral oil)<br><b>33099</b>                           | NC                 | low             | 8            | 1% solution (10 L per 1000 L water) |               | 12 h             | 0 (wine)<br>14 (table)  | Suppression only. Apply pre-bloom on a 10–21-day interval. Use shorter intervals for high disease pressure.                                                                                          |
|                           | ☞ Vegol Crop Oil (canola oil) <b>32408</b>                          | NC                 | low             | 4            | 2% solution (1 L per 50 L water)    |               | 4 h or when dry  | 0 (wine)<br>14 (table)  | Suppression only. Apply on a 7-14-day interval.                                                                                                                                                      |
|                           | ☞ Oxidate 2.0 (Hydrogen Peroxide + Peroxyacetic acid) <b>33469</b>  | NC                 | low             | 8            | 1% solution (1 L per 100 L water)   |               | 4 h or when dry  | 0                       | Partial suppression only. Start foliar/branch/stem applications before the disease occurs. Apply at 7 day spray intervals.                                                                           |
|                           | ☞ Cyclone Plus (citric acid + lactic acid)<br><b>34762</b>          | NC                 | low             | -            | 1.7-2% solution                     |               | 4 h or when dry  | 0                       | Suppression only. Apply on a 7-10-day interval. Do not mix with alkaline products.                                                                                                                   |
|                           | ☞ Milstop (potassium bicarbonate)<br><b>28095</b>                   | NC                 | low             | 10           | 2.8-5.6 kg                          | 1.1-2.3 kg    | 4 h or when dry  | 0                       | Apply at 7-14 day intervals. Use higher rate under high disease pressure. Apply with 500-1000 L/Ha spray volume                                                                                      |
| <b>Botrytis Bunch Rot</b> | Kenja 400 SC (isofetamid)<br><b>31758</b>                           | 7                  | medium to high  | 3            | 1.46-1.61 L                         | 591-652 mL    | 12 h             | 14                      | Apply at critical timings on a 14 day interval. Thorough coverage of bunches is essential.                                                                                                           |
|                           | Luna Tranquility (fluopyram + pyrimethanil)<br><b>30510</b>         | 7 + 9              | medium to high  | 2            | 1.2 L                               | 486 mL        | 12-24 h          | 45                      | Thorough coverage of bunches is essential.                                                                                                                                                           |
|                           | Pristine WG (boscalid + pyraclostrobin)<br><b>27985</b>             | 7 + 11             | medium to high  | 6            | 420-735 g                           | 170-297 g     | dry-21 d         | 14                      | Suppression only. See label for details on rates and spray intervals. Do not use on table grapes.                                                                                                    |
|                           | Miravis Prime (pydiflumetofen + fludioxonil)<br><b>33207</b>        | 7 + 12             | medium to high  | 2            | 800-1000 mL                         | 324-405 mL    | 12 h             | 14                      | 21-day application interval. Begin applications at early bloom. When applying for control of Botrytis, powdery mildew on grape will also be controlled when applied prior to pathogen establishment. |
|                           | Scala / Impala                                                      | 9                  | medium          | 3            | 2.0 L                               | 809 mL        | 24 h             | 7                       | Apply at 7-day intervals. Thorough coverage of bunches is essential.                                                                                                                                 |

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| Disease                   | Product (active ingredient(s))<br>Pest Control Product (PCP) Number   | Group <sup>1</sup> | Resistance Risk | Max apps/ yr | Rate per hectare | Rate per acre | REI <sup>2</sup> | PHI <sup>3</sup> (days) | Precautions and Notes                                                                                                                                                                                  |
|---------------------------|-----------------------------------------------------------------------|--------------------|-----------------|--------------|------------------|---------------|------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Botrytis Bunch Rot</b> | (pyrimethanil) <b>28011</b>                                           |                    |                 |              |                  |               |                  |                         | Do not use an adjuvant.                                                                                                                                                                                |
|                           | Switch 62.5 WG / Button (cyprodinil + fludioxonil) <b>28189</b>       | 9 + 12             | low to medium   | 2            | 775-975 g        | 314-395 g     | 12 h- 2 d        | 7                       | 21-day application interval. Thorough coverage of bunches is essential.                                                                                                                                |
|                           | Inspire Super (difenoconazole + cyprodinil) <b>30827</b>              | 3 + 9              | medium          | 2            | 1033-1475 mL     | 418-597mL     | 7 d              | 14                      | Apply at 15-21 day intervals. Also controls powdery mildew. Alternate with fungicides from different groups.                                                                                           |
|                           | Elevate (fenhexamid) <b>25900</b>                                     | 17                 | low to medium   | 3            | 1.12 kg          | 453g          | 12 h- 5 d        | 7                       | Surfactant Agral 90 must be added at 0.02% volume. Do not apply more than 2 consecutive sprays                                                                                                         |
|                           | Diplomat 5SC (polyoxin D zinc salt) <b>32918</b>                      | 19                 | medium          | -            | 463-926 mL       | 187-375 mL    | when dry         | 0                       | Suppression only. Apply preventatively. Use higher rate & shorter intervals when disease pressure is high. Maximum 3 applications at full rate.                                                        |
|                           | Allegro 500F (fluazinam) <b>27517</b>                                 | 29                 | low             | 2            | 1.0 L            | 405 mL        | 12 h- 2 d        | 21                      | Wine grapes only. Applications must be a minimum of 21 days apart. Thorough coverage of bunches is essential.                                                                                          |
|                           | ☞ Timorex Gold (tea tree oil) <b>30910</b>                            | BM01               | low             | -            | 1.5-2.0 L        | 0.6-0.81 L    | 4 h or when dry  | 2                       | Apply at 7-14 day intervals. Do not apply with sulphur or captan products.                                                                                                                             |
|                           | ☞ ProBlad Biofungicide (BLAD polypeptide) <b>34050</b>                | BM01               | low             | 5            | 1.5-3.3 L        | 0.6-1.3 L     | 4 h or when dry  | 0                       | Apply in a minimum of 375 litres of spray solution per hectare. Apply prior to onset of disease when conditions favor Botrytis development during early bloom, bunch preclosure, veraison and ripening |
|                           | ☞ EcoSwing (extract of <i>Swinglea glutinosa</i> ) <b>35206</b>       | BM01               | low             | 10           | 1.75-2.35 L      | 708 – 951 mL  | 4 h or when dry  | 0                       | Partial suppression only. This product must be applied preventatively, with a re-application interval of 7-14 days, on a regular and continuous basis before the level of infestation becomes heavy.   |
|                           | ☞ Serifel ( <i>Bacillus amyloliquefaciens</i> ) <b>30054</b>          | BM02               | low             | -            | 250-500 g        | 101-202 g     | 4 h or when dry  | 0                       | Suppression only. Apply preventatively at 5-10 day intervals.                                                                                                                                          |
|                           | ☞ Serenade Opti ( <i>Bacillus subtilis</i> ) <b>31666</b>             | BM02               | low             | -            | 1.7-3.3 kg       | 688 g-1.33 kg | 4 h or when dry  | 0                       | Suppression only. May also suppress sour rot.                                                                                                                                                          |
|                           | ☞ Double Nickel LC ( <i>Bacillus amyloliquefaciens</i> ) <b>31887</b> | BM02               | low             | -            | 2.5-5 L          | 1.2-10 L      | when dry         | 0                       | Suppression only. Apply at bloom, pre-bunch closure, veraison, and pre-harvest. Use higher rates under high disease pressure.                                                                          |
|                           | ☞ Stargus ( <i>Bacillus</i>                                           | BM02               | low             | -            | 5 L              | 2.02 L        | 4 h or           | 0                       | Partial suppression only. Apply preventatively in 500-1500 litres                                                                                                                                      |

<sup>1</sup>Group number for resistance management<sup>2</sup>Restricted entry interval (REI) on the label. REI for grapes usually vary widely by activity. REI listed does not include Girdling or Cane Turning. An asterisk (\*) indicates that no REI is shown on the label, but the WorkSafe BC REI may apply.<sup>3</sup>Pre-harvest interval (PHI)

☞=product is potentially organic, check with certifying body.

**Table 2. FUNGICIDES****January 2026**Read the *Best Practices Guide for Grapes* section on diseases for primary information on disease management. See explanatory notes on page 13 of this document.

The product label is a legal document and label instructions must be followed. The information provided in this document is general information only.

| Disease                   | Product (active ingredient(s))<br>Pest Control Product (PCP) Number  | Group <sup>1</sup> | Resistance Risk | Max apps/ yr | Rate per hectare                                | Rate per acre | REI <sup>2</sup> | PHI <sup>3</sup> (days) | Precautions and Notes                                                                                                               |
|---------------------------|----------------------------------------------------------------------|--------------------|-----------------|--------------|-------------------------------------------------|---------------|------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>Botrytis Bunch Rot</b> | <i>amyloliquefaciens</i> )<br><b>33246</b>                           |                    |                 |              |                                                 |               | when dry         |                         | water per hectare beginning at bloom. Repeat applications at bunch closure, veraison and preharvest.                                |
|                           | ☞ Taegro 2 Biofungicide ( <i>Bacillus subtilis</i> )<br><b>31865</b> | BM02               | low             | -            | 187.5-375 g                                     | 76-152 g      | 0                | 0                       | Apply a min of 187 liters of spray solution per hectare. Use higher rate under high disease pressure. Apply at 7 – 14 day interval. |
|                           | ☞ Regalia Maxx ( <i>Reynoutria sachalinensis</i> )<br><b>30199</b>   | P05                | low             | -            | 0.25 % solution (use 500-1500 L of water)       |               | when dry         | 0                       | Suppression only. Start applications beginning at bloom. Repeat applications at bunch closure, veraison and preharvest.             |
|                           | ☞ Milstop (potassium bicarbonate)<br><b>28095</b>                    | NC                 | low             | 10           | 3.36-5.6 kg                                     | 1.4-2.3 kg    | 4 h or when dry  | 0                       | Suppression only. Apply at 7-14 day intervals. Use higher rate under high disease pressure. Apply with 500-1000 L/Ha spray volume   |
|                           | ☞ Botector ( <i>Aureobasidium pullulans</i> )<br><b>31248</b>        | NC                 | low             | 4            | 0.5-0.75 kg                                     | 202-304 g     | 4 h or when dry  | 0                       | Suppression only. Apply to the bunch zone. Sensitive to some fungicides – see label.                                                |
| <b>Sour Rot</b>           | ☞ Serenade Opti ( <i>Bacillus subtilis</i> )<br><b>31666</b>         | BM02               | low             | -            | 1.7-3.3 kg                                      | 0.688-1.34 kg | 4 h or when dry  | 0                       | Suppression only. Do not tank mix with other products or fertilizers.                                                               |
|                           | ☞ Oxidate 2.0 (Hydrogen Peroxide + Peroxyacetic acid) <b>33469</b>   | NC                 | low             | 8            | Dilute 1 L product in 100 L water (1% solution) |               | 4 h or when dry  | 0                       | Partial suppression only. Start foliar/branch/stem applications before the disease occurs. 7 day spray intervals                    |

<sup>1</sup>Group number for resistance management<sup>2</sup>Restricted entry interval (REI) on the label. REI for grapes usually vary widely by activity. REI listed does not include Girdling or Cane Turning. An asterisk (\*) indicates that no REI is shown on the label, but the WorkSafe BC REI may apply.<sup>3</sup>Pre-harvest interval (PHI)

☞=product is potentially organic, check with certifying body.

**Table 3. NEMATOCIDES****January 2026**Read the *Best Practices Guide for Grapes* section on nematodes for primary information on management. See explanatory notes on page 13 of this document.

The product label is a legal document and label instructions must be followed. The information provided in this document is general information only.

| Pest                      | Product (active ingredient(s))<br>Pest Control Product (PCP) Number                                                                                                                                    | Group <sup>1</sup> | Resistance Risk | Max apps/ yr | Rate per hectare | Rate per acre    | REI <sup>2</sup> | PHI <sup>3</sup> (days) | Precautions and Notes                                                                                                                                                                                                                                                  |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------|--------------|------------------|------------------|------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Plant parasitic nematodes | Salibro (fluazaindolizine)<br>34182                                                                                                                                                                    | NC                 | unknown         | 1-2          | 2.24 L or 4.48 L | 0.91 L or 1.81 L | 12 h             | 3                       | Registered for control of root-knot nematode ( <i>Melodogyne</i> spp.) and suppression of dagger nematode ( <i>Xiphinema</i> spp.). Can be incorporated pre plant or applied post plant, see label for options. Do not apply more than 4.48 L/ha in a 12-month period. |
|                           | <b>Additional Notes:</b> Before using any nematicide, soil testing at a diagnostic lab is needed to confirm nematode species present. Grapevine rootstocks are not susceptible to root knot nematodes. |                    |                 |              |                  |                  |                  |                         |                                                                                                                                                                                                                                                                        |

<sup>1</sup>Group number for resistance management<sup>2</sup>Restricted entry interval (REI) on the label. REI for grapes usually vary widely by activity. REI listed does not include Girdling or Cane Turning. An asterisk (\*) indicates that no REI is shown on the label, but the WorkSafe BC REI may apply.<sup>3</sup>Pre-harvest interval (PHI)

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**Table 4. HERBICIDES****January 2026**

See Table 4 for more information on product efficacy against target weeds. Read the *Best Practices Guide for Grapes* sections on Weeds and Vineyard Floor Management for additional information on cover crops and using herbicides effectively. See explanatory notes on page 13 of this document. The product label is a legal document and label instructions must be followed. The information provided in this document is general information only.

| Product name (active ingredient)<br>Pest Control Product (PCP) Number | Chemical Group <sup>1</sup> | Dermal Toxicity | Oral Toxicity | Applicator Certificate | Optimum pH | Maximum Amount or Applications/Se | Pre-Harvest Interval (days) <sup>3</sup> | Restricted entry Interval <sup>2</sup> | Target Weed Growth Stage (Application Timing) | Water Volume/ha      | Application Rate(s)                | Comments                                                                                                                                                                                         |
|-----------------------------------------------------------------------|-----------------------------|-----------------|---------------|------------------------|------------|-----------------------------------|------------------------------------------|----------------------------------------|-----------------------------------------------|----------------------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Aim EC</b> (carfentrazone)<br><b>28573</b>                         | 14                          | S               | S             | N                      |            | 1                                 | 3                                        | 12 h                                   | Growing weeds (≤ 10cm)                        | Minimum 100 L/ha     | 37-117mL /ha (15-47 ml/acre)       | Use a hooded sprayer. Apply with an adjuvant. See label.                                                                                                                                         |
|                                                                       |                             |                 |               |                        |            | 2                                 | 30                                       | 12 h                                   | Sucker management                             | 200 L/ha             | 150 mL /ha (61 ml/acre)            |                                                                                                                                                                                                  |
| <b>Alion</b> (indaziflam)<br><b>30451</b>                             | 29                          | S               | S             | N                      |            | 1                                 | 14                                       | 12 h                                   | Pre-emergent                                  | Minimum 93 L/ha      | 375 mL/ha (152 mL/acre)            | Use only in vineyards established 5 years or longer. See label for additional precautions.                                                                                                       |
| <b>Authority 480</b> (sulfentrazone)<br><b>29012</b>                  | 14                          | S               | S             | N                      | 5-9        | 1 every 24 months                 | 3                                        | 12 h                                   | Pre-emergent                                  | Minimum 100 L/ha     | 219 -292 mL/ha (89-118 mL/acre)    | Do not use on coarse soils with less than 1% organic matter. Protect green bark and foliage.                                                                                                     |
| <b>Beloukha</b> (pelargonic acid)<br><b>33685</b>                     | 26                          | S               | S             | N                      |            | 4                                 | 1                                        | Dry                                    | Growing weeds (≤ 10cm)                        | 300 L/ha             | 16 - 27 L/ha (6.47 – 10.93 L/acre) | Use on woody /hardened vines > 2 years old. May qualify for Organic.                                                                                                                             |
|                                                                       |                             |                 |               |                        |            |                                   |                                          |                                        | Sucker management                             | 100 -200 L/ha        | 4 - 7 L/ha (1.62 – 2.83 L/acre)    | Use shielded / directed spray to avoid spraying desired vegetation                                                                                                                               |
| <b>BioLink</b> (Caprylic acid + Capric acid) <b>PCP # 33590</b>       |                             | S               | S             | N                      | < 6        |                                   | 0                                        | 24 h                                   | Growing weeds (≤ 15cm)                        | Up to 937 L/ha       | 3% to 9% solution                  | Higher rate for larger weeds. May qualify for Organic.                                                                                                                                           |
| <b>Casoron G4</b> (dichlobenil)<br><b>12533</b>                       | 20                          | S               | S             | N                      |            |                                   |                                          | 12 h                                   | Pre-emergent                                  | Apply to moist soils | 110-175 kg/ha (45-71 kg/acre)      | Treat only dormant vines established for 2 or more years. Seedling weeds: apply in early spring or fall. Perennial weeds: apply in fall with higher rate. Only use higher rate every other year. |
| <b>Chateau EZ</b> (flumioxazin)<br><b>34036</b>                       | 14                          | S               | S             | N                      |            | 2                                 | 60                                       | 12 h                                   | Pre-emergent                                  | Apply to moist soils | 298-448 mL/ha (120-181 mL/acre)    | For use in established vineyards two years or older. Rates vary by soil type; see label. Crop injury may occur if sprayed on non-dormant growth.                                                 |
| <b>Phoenix SC</b> (tiafenacil)<br><b>35401</b>                        | 14                          | S               | S             | N                      |            | 148 mL/ha/Y                       |                                          | 12 h                                   | Post-emergent weeds less than 12.5 cm tall    | Minimum of 100 L/ha  | 74 – 148 mL/ha (30 – 60 mL/ac)     | Must be applied with adjuvant. There is no residual control. Do not allow spray to touch green stems or foliage.                                                                                 |
| <b>Chikara</b> (flazasulfuron)<br><b>33130</b>                        | 2                           | S               | S             | N                      |            | 1                                 | 75                                       | 12 h                                   | Pre or Post-emergent                          | 150 to 450 L/ha      | 150-200 g/ha (61-81 g/acre)        | Apply only to 3rd year planted vines or older. For post-emergent application add non-ionic surfactant at 0.25%                                                                                   |
| <b>Devrinol 2-XT</b> (napropamide)<br><b>31688</b>                    | 15                          | S               | S             | N                      | 5.5-7      | 1                                 |                                          | 12 h                                   | Pre-emergent                                  | Apply to moist soils | 18.75 L/ha (7.59 L/acre)           | For use in established vineyards Do not apply from bloom to harvest                                                                                                                              |

<sup>1</sup>Group number for resistance management

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<sup>3</sup>Pre-harvest interval (PHI)

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**Table 4. HERBICIDES****January 2026**

See Table 4 for more information on product efficacy against target weeds. Read the *Best Practices Guide for Grapes* sections on Weeds and Vineyard Floor Management for additional information on cover crops and using herbicides effectively. See explanatory notes on page 13 of this document. The product label is a legal document and label instructions must be followed. The information provided in this document is general information only.

| Product name (active ingredient)<br>Pest Control Product (PCP)<br>Number              | Chemical Group <sup>1</sup> | Dermal Toxicity | Oral Toxicity | Applicator Certificate | Optimum pH | Maximum Amount or Applications/Se | Pre-Harvest Interval (days) <sup>3</sup> | Restricted entry Interval <sup>2</sup> | Target Weed Growth Stage (Application Timing) | Water Volume/ha   | Application Rate(s)               | Comments                                                                                                                                                                                                             |
|---------------------------------------------------------------------------------------|-----------------------------|-----------------|---------------|------------------------|------------|-----------------------------------|------------------------------------------|----------------------------------------|-----------------------------------------------|-------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ☛ Fireworxx (ammonium soap of fatty acid)<br>30515                                    |                             | S               | S             | N                      |            |                                   |                                          | 24 h                                   | Young actively growing weeds                  | 1000 to 2000 L/ha | 1 part product to 5 parts water   | Higher water volume for perennial and established weeds. May qualify for Organic.                                                                                                                                    |
| Frontier Max (dimethenamid)<br>29194                                                  | 15                          | S               | S             | N                      |            | 1                                 | 30                                       | 24 h                                   | Pre-emergent                                  | Minimum 170 L/ha  | 963 mL/ha (390 mL/acre)           | For bearing and non-bearing grapes. Do not apply during bud swell, bud break or at time of first flush of new growth.                                                                                                |
| Ignite SN (glufosinate ammonium)<br>28532                                             | 10                          | S               | S             | N                      | 5.5        | 2                                 | 40                                       | 12 h                                   | Young actively growing weeds                  | 330-1100 L/ha     | 2.7-5.0 L/ha (1.1-2.0 L/acre)     | For use in established vineyards.                                                                                                                                                                                    |
| Karmex DF (diuron)<br>28543                                                           | 7                           | S               | S             | N                      |            |                                   |                                          | 12 h                                   | Pre-emergent                                  | 250-400 L/ha      | 2.25-3.25 kg/ha (0.9-1.3 kg/acre) | For use in vineyards established for 3 or more years. Rates vary by soil type; see label                                                                                                                             |
| Poast Ultra (sethoxydim)<br>24835                                                     | 1                           | S               | S             | N                      |            | 1                                 | 30                                       | 12 h                                   | Actively Growing weeds (2-5 leaf)             | 50-200 L/ha       | 0.32-1.1 L/ha (130-445 mL/ac)     | Adjust rate for banded application. Use with Merge adjuvant, see label. <b>Please note - Product has been cancelled and will no longer be available for use after Oct 9, 2027.</b>                                   |
| Prism (rimsulfuron)<br>30057                                                          | 2                           | S               | S             | N                      |            | 2 at 50% rate or 1 at full rate   | 21                                       | 12 h                                   | Pre or Post-emergent                          | Minimum 100 L/ha  | 60 g/ha (24 g/acre)               | Apply with an adjuvant. Use on grapes established for at least 1 year and are in good health and vigor. Season long suppression of puncturevine in research trials.                                                  |
| Roundup, Credit, Crush'R-Plus, Vantage, Touchdown, Weed-Master 540 Ultra (glyphosate) | 9                           | S               | S             | N                      | 5-7.5      | 3                                 | 14                                       | 12 h                                   | Actively Growing weeds                        | 50-300 L/ha       | See label                         | For use in established vineyards. Rates vary by product; see label                                                                                                                                                   |
| ☛ Serene (Acetic Acid)<br>30248                                                       |                             | S               | S             | N                      |            |                                   |                                          | Dry                                    | 3 – 5 Leaf                                    | 716 L/ha          | 25% solution, 179 L/ha            | For use in vineyards established for 2 or more years. Use appropriate water volumes to ensure good spray coverage. Apply on a mostly sunny day with temperatures at or above 21° C (70° F). May qualify for Organic. |
| Venture L (fluazifop-P)<br>21209                                                      | 1                           | S               | S             | N                      |            | 1                                 | 30                                       | 12 h                                   | Actively Growing weeds (2-5 leaf)             | 50-200 L/ha       | 2 L/ha (800 mL/acre)              | For bearing and non-bearing grapes                                                                                                                                                                                   |

<sup>1</sup>Group number for resistance management

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<sup>3</sup>Pre-harvest interval (PHI)

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**Table 5. Weeds Controlled**

Herbicides Registered for Use on Grapes (includes only weeds listed on product labels). Legend: X=control, S=Suppression.

January 2026

| Product name   | Active ingredient           | Group | Broadleaf Weeds |          |                  |                  |                 |           |                |                 |        |                 |        |               |                           |                   |                 |                 |                  |                    |           |              | Grassy Weeds |                 |                |                   |                                            |                   |           |       |             |                |               |                    |             |                |
|----------------|-----------------------------|-------|-----------------|----------|------------------|------------------|-----------------|-----------|----------------|-----------------|--------|-----------------|--------|---------------|---------------------------|-------------------|-----------------|-----------------|------------------|--------------------|-----------|--------------|--------------|-----------------|----------------|-------------------|--------------------------------------------|-------------------|-----------|-------|-------------|----------------|---------------|--------------------|-------------|----------------|
|                |                             |       | Canada fleabane | Cleavers | Common chickweed | Common groundsel | Common purslane | Dandelion | Field Bindweed | Field Horsetail | Kochia | Lamb's-quarters | Mallow | Morning Glory | Nightshade, Eastern Black | Nightshade, Hairy | Prickly lettuce | Redroot pigweed | Shepherd's-purse | Sowthistle, annual | Stinkweed | Stork's-bill | Vetch        | Waterhemp, Tall | Wild Buckwheat | Yellow woodsorrel | Barnyard Grass                             | Bluegrass, annual | Crabgrass | Cheat | Downy brome | Foxtail barley | Green foxtail | Long-spine Sandbur | Witch grass | Yellow foxtail |
| Poast Ultra    | sethoxydim                  | 1     |                 |          |                  |                  |                 |           |                |                 |        |                 |        |               |                           |                   |                 |                 |                  |                    |           |              |              |                 |                | X                 |                                            | X                 |           | S     | X           |                | X             | X                  |             |                |
| Venture L      | fluazifop-P-butyl           | 1     |                 |          |                  |                  |                 |           |                |                 |        |                 |        |               |                           |                   |                 |                 |                  |                    |           |              |              |                 |                |                   | X                                          |                   | X         |       |             | X              | X             |                    |             |                |
| Chikara        | flazasulfuron               | 2     | X               | X        | X                | X                | X               | X         |                |                 |        |                 |        |               |                           |                   | X               | X               | X                |                    | X         |              |              |                 |                |                   | X                                          | X                 | X         |       | X           | X              | S             | X                  |             |                |
| Prism          | rimsulfuron                 | 2     |                 |          |                  |                  |                 |           |                |                 |        |                 |        |               |                           |                   | X               |                 |                  |                    |           |              |              |                 |                |                   |                                            |                   |           |       | X           |                | X             | X                  |             |                |
| Karmex DF      | diuron                      | 7     |                 |          |                  |                  |                 |           |                |                 |        |                 |        |               |                           |                   | X               |                 |                  |                    |           |              |              |                 |                |                   |                                            |                   |           |       | X           |                |               |                    |             |                |
| -              | glyphosate                  | 9     | X               | X        | X                | X                | X               | X         | X              |                 |        | X               | X      |               |                           | X                 | X               | X               | X                | X                  | X         |              |              |                 | X              |                   |                                            | X                 |           |       |             |                |               | X                  |             |                |
| Ignite SN      | glufosinate                 | 10    |                 |          | X                |                  |                 | X         |                | S               |        | X               |        |               |                           |                   | X               |                 |                  | X                  |           |              |              |                 | X              |                   |                                            |                   |           |       |             | X              |               |                    |             |                |
| Chateau WDG    | flumioxazin                 | 14    | X               |          |                  |                  |                 | X         |                |                 |        | X               | X      |               |                           | X                 | X               |                 |                  | X                  |           |              |              |                 |                |                   |                                            |                   |           |       |             | X              |               |                    |             |                |
| Aim            | carfentrazone               | 14    |                 |          |                  |                  | X               |           |                |                 |        | X               | X      | X             | X                         |                   | X               |                 |                  | X                  | X         |              |              | X               | X              |                   |                                            |                   |           |       |             |                |               |                    |             |                |
| Authority      | sulfentrazone               | 14    |                 | X        |                  | X                | X               |           |                |                 |        | X               | X      |               |                           | X                 |                 |                 |                  |                    |           |              |              | X               | X              |                   |                                            |                   |           |       |             |                |               |                    |             |                |
| Phoenix SC     | tiafenacil                  | 14    |                 |          |                  |                  |                 |           |                |                 |        | X               | X      |               |                           |                   | X               | X               |                  |                    |           |              |              | X               | X              |                   |                                            |                   |           |       |             |                |               |                    |             |                |
| Frontier Max   | dimethenamid-P              | 15    |                 |          |                  |                  |                 |           |                |                 |        |                 |        |               | X                         |                   |                 | X               |                  |                    |           |              |              |                 |                |                   |                                            |                   |           |       |             |                |               |                    |             |                |
| Devrinol 50-DF | napropamide                 | 15    |                 |          |                  | X                | X               |           |                |                 |        | X               | X      |               |                           |                   | X               | X               |                  | X                  |           | X            |              |                 |                |                   |                                            |                   |           |       |             |                |               | X                  |             |                |
| Casoron G-4    | dichlobenil                 | 20    |                 |          | X                | X                |                 | X         | X              | X               | X      | X               | X      |               |                           |                   | X               | X               | X                |                    |           | X            |              | X               | X              |                   |                                            |                   |           |       |             |                |               | X                  |             |                |
| Alion          | Indaziflam                  | 29    |                 |          |                  | X                |                 |           | X              |                 |        | X               | X      |               | X                         |                   | X               | X               | X                |                    |           | X            |              |                 |                |                   |                                            |                   |           |       |             |                |               | X                  |             |                |
| Beloukha       | pelargonic acid             | 26    | S               |          | X                | X                | X               | S         |                |                 |        | X               |        |               | X                         | X                 |                 | X               | S                |                    |           |              |              |                 |                |                   |                                            |                   |           |       |             |                |               | S                  |             |                |
| Fireworxx      | Ammonium soap of fatty acid | NC    |                 |          | X                | X                |                 | X         |                |                 |        | X               | X      |               |                           |                   |                 |                 |                  |                    |           |              |              |                 |                |                   | Label states "grass" species not specified |                   |           |       |             |                |               |                    |             |                |
| Serene         | Acetic Acid                 | NC    | X               |          | X                |                  |                 | S         |                |                 |        | X               |        |               |                           |                   |                 |                 |                  |                    |           | S            |              |                 |                |                   |                                            |                   |           |       |             |                |               |                    |             |                |
| BioLink        | Caprylic acid + Capric acid | NC    |                 |          |                  |                  | X               |           |                |                 |        |                 |        | X             | X                         |                   | X               |                 |                  |                    |           |              |              |                 |                |                   | X                                          | X                 | X         |       |             |                |               |                    |             |                |

<sup>1</sup>Group number for resistance management

<sup>2</sup>Restricted entry interval (REI) on the label. REI for grapes usually vary widely by activity. REI listed does not include Girdling or Cane Turning. An asterisk (\*) indicates that no REI is shown on the label, but the WorkSafe BC REI may apply.

<sup>3</sup>Pre-harvest interval (PHI)

☐=product is potentially organic, check with certifying body.



## Explanatory Notes/Legend:

- This publication is a companion document to the **Best Practices Guide for Grapes for British Columbia Growers**. Page number references point to more detailed information in the Best Practices Guide - <http://www.bcwgc.org/best-practices-guide>
- **Products:** This list includes pesticide products considered compatible with B.C. Interior vineyard pest management programs. Refer to insect and diseases descriptions in the *Best Practices Guide for Grapes* for other control options and best management practices.
- **Chemical Group:** In general, do not repeat the use of pesticides with the same Chemical Group number as this practice can select for resistant individuals within a population.
- **Risk of Resistance (fungicides):** Ratings based on Fungicide Resistance Action Committee guidelines (<http://www.frac.info/>)
- **Toxicity, oral:** Insecticides are rated as S (slightly toxic), M (moderately toxic), V (very toxic) – see page 7-2 of the *Best Practices Guide for Grapes* for more information.
- **Restricted entry Intervals (REI):** Do not enter or allow workers to enter the vineyard until the noted time has passed following a pesticide application. Note: REIs for grapes often vary widely by activity. See label for details where a range of REIs are shown. Typically, the longest REI is required for girdling and cane turning. Tying/training, leaf pulling and hand harvesting usually also require relatively long REIs. An asterisk (\*) indicates that no REI is shown on the label, but the WorkSafe BC re-entry interval may apply and is shown.
- **Pests/Diseases/Weeds Controlled:** list includes only pests, diseases and weeds against which a pesticide is registered and recommended for use in the B.C. Interior.
- **Maximum Applications/Season:** product labels often indicate the maximum number of times a product can be used per season.
- **Notes on impacts to beneficial insects and mites:** Comments reflect current understanding of toxicity of products to common beneficial insects and mites found in vineyards in the B.C. Interior. Toxicity can vary among vineyards according to the history of pesticide use.
- **Abbreviations:** millilitre (mL), litre (L), kilogram (kg), gram (g), acre (ac), hectare (ha), hour (h), days (d)

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