

Raspberry Herbicide Options

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The cooler weather this spring has slowed growth in perennial crops like raspberries. Before new raspberry shoots appear there are several pre-emergence, post-emergence and broad spectrum herbicides that can be applied.

Below is a table that provides herbicide options for new and established raspberry plantings. Each row in the table provides rotation alternatives for your management program.

| Crop Age | Fall | Late Fall / Winter | Spring | Summer |
|-----------------------------|--|--------------------|--|---|
| Newly Planted | Glyphosate (Preplant) | | Devrinol (once soil settles after transplanting); Poast OR Venture (as needed). | Gramoxone ¹ (May or June), Poast OR Venture (as needed). Shallow cultivation may be used as well. |
| Established 1 or More Years | Princep Nine-T OR Simazine OR Simadex OR Sinbar | | Authority Ignite OR Aim for primocane control (Late Spring) | 2,4-D (as needed); Poast OR Venture (as needed) |
| Established 1 or More Years | Princep Nine-T OR Simazine OR Simadex OR Sinbar | | Devrinol Ignite OR Aim for primocane control (Late Spring) | 2,4-D (as needed); Poast OR Venture (as needed) |
| Established 1 or More Years | Chateau | | Sinbar + Devrinol Ignite OR Aim for primocane control (Late Spring) | 2,4-D (as needed); Poast OR Venture (as needed) |
| Established 1 or More Years | Chateau | | Princep Nine-T OR Simazine OR Simadex OR Sinbar | 2,4-D (as needed); Poast OR Venture (as needed) |

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| | | | Ignite OR Aim for primocane control (Late Spring) | |
| Established 1 or More Years | Devrinol | | Princep Nine-T OR Simazine OR Simadex OR Sinbar Ignite OR Aim for primocane control (Late Spring) | 2,4-D (as needed); Poast OR Venture (as needed) |
| Established 1 or More Years | Gramoxone ¹ ; Poast OR Venture (as needed). | Casoron | Princep Nine-T OR Simazine OR Simadex OR Sinbar Ignite OR Aim for primocane control (Late Spring) | 2,4-D (as needed); Poast OR Venture (as needed) |
| Established 1 or More Years | Princep Nine-T OR Simazine OR Simadex OR Sinbar | | Gramoxone ¹ (as needed); Poast OR Venture (as needed). Ignite OR Aim for primocane control (Late Spring) | 2,4-D (as needed); Poast OR Venture (as needed) |

| Pre-emergence | Herbicide Group # PCP # | REI / PHI / Rainfast / Max Applications | Weeds Controlled |
|---------------|---|--|---|
| Authority | Group #: 14 PCP #: 29012 | REI: 12 hours PHI: 3 days Rainfast: moisture required Max Applications: 1 | G & BL: wild buckwheat , kochia, lamb's-quarters, redroot pigweed, cleavers, powell (green) pigweed, Eastern black nightshade, common waterhemp, smooth crabgrass, large crabgrass, yellow woodsorrel , common |

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| | | | groundsel and common purslane |
| Casoron | Group #: 20 PCP #: 12533 | REI: 12 hours PHI: 100 days Rainfast: moisture required Max Applications: 1 every other year (if using high rate) | G & BL: annual bluegrass, foxtail species, pigweed species, artemisia ² , groundsel, plantain, bindweed² , horsetail, purslane, bittercress, grasses (sedges and juncus species), sheep sorrel ² , blue aster, knotweed, shepherd's-purse, bracken fern, kochia, smartweed species (lady's-thumb) , Canada thistle ² , lamb's-quarters, sow thistle, chickweed , loosestrife, spurge species, crabgrass species, mustard species, vetch species ² , quack grass ² , nutsedge ² , wild buckwheat ² , dandelion ² |
| Chateau | Group #: 14 PCP #: 29231 | REI: 12 hours PHI: 7 days Rainfast: moisture required Max Applications: 2 | G & BL: redroot pigweed, green pigweed, common ragweed, common lamb's-quarters, green foxtail, hairy nightshade , dandelion, Eastern black nightshade , kochia, Canada fleabane |
| Devrinol | Group #: 15 PCP #: 31081 | REI: 12 hours PHI: not stated Rainfast: moisture required Max Applications: 1 | G & BL: annual bluegrass, barnyard grass, fall panicum, foxtail species, goosegrass, large crabgrass, sandbur, wild oats, chickweed, small-flowered mallow ³ , annual sow-thistle, carpetweed, common ragweed ³ , groundsel, pineapple weed , redroot pigweed, prickly lettuce, prostrate knotweed, purslane , storks bill, lamb's-quarters ³ Suppression only |
| Princep Nine-T or Simazine or Simadex | Group #: 5 PCP #: 16370 or 15902 or 23181 | REI: 12 hours PHI: not stated Rainfast: moisture required Max Applications: 1 | G & BL: lady's-thumb, volunteer clovers, lamb's-quarters ⁴ , barnyard grass, purslane, crabgrass, ragweed ⁴ , wild oats, wild buckwheat, yellow foxtail, smartweed, perennial species starting from seed, good on common annual grasses and broadleaves ⁴ resistant species exist in Ontario to this herbicide group |
| Sinbar | Group #: 5 PCP #: 30082 | REI: 12 hours PHI: 70 days Rainfast: moisture required Max Applications: 1 | G & BL: barnyard grass, bluegrass, crabgrass, foxtail, chickweed, downy brome, perennial rye grass, wild barley, mustard, prickly lettuce, stinkweed , annual sowthistle, henbit , lamb's-quarters, pigweed, purslane , ragweed, quackgrass ³ , horsenettle ³ , yellow nutsedge ³ Best results when applied pre-emergence, but can be applied to weeds up to 5 cm tall (post emergence). |

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| Post-emergence | | | |
| 2,4-D ⁵ | Group #: 4 PCP #: see label | REI: 12 hours PHI: not stated Rainfast: 1 day Max Applications: 2 | BL: plantains, dandelion, curled dock, mustards, redroot pigweed, prostate pigweed, russian pigweed, common ragweed, shepherd's purse, lamb's-quarters, stinkweed, cocklebur, prickly lettuce , narrow-leaved hawk's beard (fall rosette or spring at 1-2 leaf stage), russian thistle, seedling sow thistle and seedling Canada thistle |
| Poast Ultra + Merge Adjuvant | Group #: 1 PCP #: 24835 | REI: 12 hours PHI: 37 days Rainfast: 1 hour Max Applications: not stated | G: barnyard grass, crabgrass (large), fall panicum, foxtail (green/yellow; wild millet), persian danel, proso millet, volunteer corn, witchgrass, wild oats, volunteer barley, volunteer wheat |
| Venture | Group #: 1 PCP #: 21209 | REI: 12 hours PHI: 30 days Rainfast: 2 hours Max Applications: 2 | G: volunteer corn, Johnson grass, Persian danel, barnyard grass, volunteer spring wheat and spring barley, wild oats, wild proso millet, crabgrass, fall panicum, old witchgrass, green, yellow and giant foxtail, quackgrass (top growth suppression only), wirestem muhly Does not control fescue species, bluegrass species or sedges including nutsedge. |
| Broad Spectrum | | | |
| Aim ⁵ | Group #: 14 PCP #: 28573 | REI: 12 hours PHI: 1 day Rainfast: 2 hours Max Applications: 1 | For primocane control in late spring and control of emerged weeds at time of treatment. |
| Gramoxone ^{1,5} | Group #: 22 PCP #: 8661 | REI: 12 hours PHI: not stated Rainfast: not stated Max Applications: not stated | G & BL: control of many grasses and broadleaf weeds. Perennial weeds may require a second application |
| Ignite ⁵ | Group #: 10 PCP #: 28532 | REI: 24 hours PHI: not stated Rainfast: 4 hours Max Applications: not stated | For primocane control in late spring and control of emerged weeds at time of treatment. |

¹Gramoxone is no longer being sold and can only be used until December 31, 2018.

²Controlled with the higher rates and late fall applications.

³Suppression only

⁴Resistant species exist in Ontario to this herbicide group

⁵Spot or hooded applications recommended.

Weeds in bold are harder to control common weeds in caneberry fields.

G = grasses

BL = broadleaves

Pre-emergence herbicide application – helps to control weeds before they emerge. Pre-emergence herbicides typically require ½ inch of rain or irrigation to be activated.

Post-emergence herbicide application – helps to control weeds once they have emerged and begin to grow. This will ensure rows remain weed free throughout the season.

Broad-spectrum herbicide application – controls a wide range of annual and perennial weeds.