



Reduced-Risk Update

RR2006-02

Update on Reduced-Risk Pesticides in Canada

The purpose of this document is to provide stakeholders with information on the registration of reduced-risk pest control products and uses in Canada. The reduced-risk designation is provided to uses of active ingredients that are registered through the North American Free Trade Agreement (NAFTA) Joint Review Program for Reduced-Risk Pesticides ([Updated Procedures for Joint Review of Chemical Pesticides](#), March 2002) and the Pest Management Regulatory Agency (PMRA) Initiative for Reduced-Risk Pesticides (Regulatory Directive [DIR2002-02](#)). This designation includes products registered in Canada for which reduced-risk designation was received in the United States.

This document presents the reduced-risk chemical active ingredients and uses currently registered in Canada, reduced-risk chemical active ingredients registered or pending registration in Canada and in the United States, as well as biopesticides registered in Canada. This document also provides the percentage of reduced-risk chemical active ingredients currently registered or pending registration in Canada as compared to the United States. These tables will be updated on a regular basis as new products and information become available.

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Overview

The PMRA recognizes the need to encourage registration of new reduced-risk pesticides and has acted upon a government commitment to pursue harmonization as one of the key means of achieving efficiencies and facilitating access to new lower-risk technology. To facilitate the registration of reduced-risk pesticides, the PMRA, the United States Environmental Protection Agency (USEPA) and pesticide regulatory agencies in Mexico collaborated to establish the Joint Review Program for Reduced-Risk Chemicals in 1996, under the NAFTA Technical Working Group on Pesticides.

Expanding upon the Joint Review program, the PMRA put in place the Initiative for Reduced Risk Pesticides (DIR2002-02) to encourage pesticide manufacturers to apply for Canadian registration of reduced-risk products that are currently available in the United States. This program provides an expedited timeframe for the registration of products that qualify as reduced risk. Under this program, the PMRA uses the same criteria as the USEPA to determine eligibility of chemicals for the reduced-risk program and recognizes the USEPA's biopesticide designation.

The reduced-risk designation does not imply that a product exhibits no risk. A reduced-risk pesticide may have a slightly improved risk profile when compared to other registered pesticides with the same use pattern. Expedited review times for reduced-risk products do not compromise Canadian health and environmental safety standards as all pesticides under consideration must undergo a thorough evaluation and risk assessment. Registration of a pesticide is considered only if the health and environmental risks are acceptable and if the product is effective.

This document presents the reduced-risk chemical active ingredients and uses currently registered in Canada (Table 1a and 1b), reduced-risk chemical active ingredients registered or pending registration in Canada and in the United States (Table 2) as well as biopesticides registered in Canada (Table 3a and 3b). This document also provides the percentage of reduced-risk chemical active ingredients currently registered or pending registration as compared to the United States (Table 2). These tables will be updated on a regular basis as new products and information become available.

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Table 1a Reduced-risk Chemical Active Ingredients, End-use Products and Uses Registered in Canada—Commercial Products (31 March 2006)

Refer to <http://eddenet.pmra-arla.gc.ca/4.0/4.01.asp> to view full label information.

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|-----------------------|---------------|----------------|--------------|----------------|---|
| Acetamiprid | 4 | Tristar 70 WSP | Insecticide | 27127 | Flowers Ornamentals |
| | | Assail 70 WP | Insecticide | 27128 | Amaranth leafy Apple Arugula Broccoli Broccoli (Chinese) Broccoli raab Brussel sprout Cabbage Cabbage (Chinese, bok choy) Cabbage (Chinese mustard, gai choy) Cabbage (Chinese, napa) Cardoon Cauliflower Cavalo broccolo Celery Celery (Chinese) Celtuce Chevрил Chrysanthemum (edible leaved) Chrysanthemum (garland) Citrus (dried pulp) Collards Corn salad Crabapple Cress (garland) Cress (upland) Dandelion leaves Dock Endive Florence fennel Grape Kale |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|-------------------------|---------------|-----------------------------|--------------|----------------|--|
| Acetamiprid (cont'd) | | | | | Kohlrabi |
| | | | | | Lettuce (head) |
| | | | | | Lettuce (leaf) |
| | | | | | Mizuna |
| | | | | | Mustard greens |
| | | | | | Mustard spinach |
| | | | | | Orach |
| | | | | | Parsley leaves |
| | | | | | Pear |
| | | | | | Pear (Oriental) |
| | | | | | Potato |
| | | | | | Purslane (garden) |
| | | | | | Purslane (winter) |
| | | | | | Quince |
| | | | | | Radicchio |
| | | | | | Rape greens |
| | | | | | Rhubarb |
| | | | | | Spinach |
| | | | | | Spinach (New Zealand) |
| | | | | | Spinach (vine) |
| Swiss chard | | | | | |
| Tomato (field) | | | | | |
| | | Assail 70 WP Seed Treatment | Insecticide | 27286 | Canola seed Mustard seed |
| | | Assail 50 FS Seed Treatment | Insecticide | 28119 | Canola seed Mustard seed |
| Aminopyralid | 1 | Aminopyralid Herbicide | Herbicide | 28137 | Industrial Non-crop areas Pasture Rangeland |
| Azoxystrobin | 5 | Quadris | Fungicide | 26151 | Canola |
| | | Quadris Flowable | Fungicide | 26153 | Bean (adzuki) |
| | | | | | Bean (broad, dry) |
| | | | | | Bean (field) |
| | | | | | Bean (kidney) |
| | | | | | Bean (lima, dry) |
| | | | | | Bean (mung) |
| | | | | | Bean (navy) |
| | | | | | Bean (pinto) |
| | | | | | Canola |
| Chickpea | | | | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|--------------------------|---------------|-----------------------------|--------------|----------------|-------------------------|
| Azoxystrobin (cont'd) | | | | | Corn seed |
| | | | | | Filbert |
| | | | | | Ginseng |
| | | | | | Hazelnut |
| | | | | | Lentil |
| | | | | | Lupin (grain) |
| | | | | | Lupin (sweet) |
| | | | | | Lupin (white sweet) |
| | | | | | Lupin (white) |
| | | | | | Pea (field) |
| Pea (pigeon) | | | | | |
| Potato | | | | | |
| Sugar beet | | | | | |
| Tomato (field) | | | | | |
| | | About 80 WG | Fungicide | 26154 | Grape |
| | | Heritage | Fungicide | 26155 | Turf |
| | | Abound Flowable | Fungicide | 26536 | Grape |
| Bifenazate | 2 | Floramite SC | Insecticide | 27924 | Ornamentals (indoor) |
| | | Acramite 50 WS | Acaricide | 27925 | Apple Grape |
| Boscalid (BAS 510F) | 2 | Lance WDG (BAS 510 02 F) | Fungicide | 27495 | Apricot |
| | | | | | Bean (adzuki) |
| | | | | | Bean (asparagus) |
| | | | | | Bean (black) |
| | | | | | Bean (broad, dry) |
| | | | | | Bean (broad, succulent) |
| | | | | | Bean (cranberry) |
| | | | | | Bean (field) |
| | | | | | Bean (kidney) |
| | | | | | Bean (lima, dry) |
| | | | | | Bean (lima, green) |
| | | | | | Bean (moth) |
| | | | | | Bean (mung) |
| | | | | | Bean (navy) |
| | | | | | Bean (pink) |
| | | | | | Bean (pinto) |
| | | | | | Bean (podded) |
| | | | | | Bean (rice) |
| Bean (runner) | | | | | |
| Bean (snap) | | | | | |
| Bean (tepary) | | | | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|------------------------------------|---------------|--------------|--------------|----------------|----------------------------------|
| Boscalid (BAS 510F) (cont'd) | | | | | Bean (urd) |
| | | | | | Bean (wax) |
| | | | | | Bean (yardlong) |
| | | | | | Blackberry |
| | | | | | Blackeyed pea |
| | | | | | Blueberry (highbush and lowbush) |
| | | | | | Canola |
| | | | | | Carrot |
| | | | | | Catang |
| | | | | | Cherry (ground) |
| | | | | | Cherry (sweet and tart) |
| | | | | | Chickpea |
| | | | | | Cowpea |
| | | | | | Currant |
| | | | | | Eggplant |
| | | | | | Elderberry |
| | | | | | Garlic |
| | | | | | Garlic (great-headed) |
| | | | | | Gooseberry |
| | | | | | Grape |
| | | | | | Huckleberry |
| | | | | | Jackbean |
| | | | | | Leek |
| | | | | | Lentil |
| | | | | | Lettuce (field—head and leaf) |
| | | | | | Loganberry |
| | | | | | Longbean (Chinese) |
| | | | | | Lupin (grain) |
| | | | | | Lupin (sweet) |
| | | | | | Lupin (white) |
| | | | | | Lupin (white sweet) |
| | | | | | Nectarine |
| | | | | | Onion (dry bulb and green) |
| Onion (Welch) | | | | | |
| Pea (Crowder) | | | | | |
| Pea (dry) | | | | | |
| Pea (dwarf) | | | | | |
| Pea (edible-podded) | | | | | |
| Pea (English) | | | | | |
| Pea (garden) | | | | | |
| Pea (green) | | | | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|------------------------------------|---------------|---------------------------------------|--------------|----------------|---------------------------|
| Boscalid (BAS 510F) (cont'd) | | | | | Pea (pigeon) |
| | | | | | Pea (southern) |
| | | | | | Pea (sugar snap) |
| | | | | | Peach |
| | | | | | Pepino |
| | | | | | Pepper (bell) |
| | | | | | Pepper (chili) |
| | | | | | Pepper (cooking) |
| | | | | | Pepper (field) |
| | | | | | Pepper (sweet) |
| | | | | | Pimento |
| | | | | | Plum |
| | | | | | Plum (chickasaw) |
| | | | | | Plum (damson) |
| | | | | | Plum (Japanese) |
| | | | | | Plumcot |
| | | | | | Potato |
| | | | | | Prune |
| | | | | | Raspberry (black and red) |
| | | | | | Snow pea |
| Shallot | | | | | |
| Strawberry | | | | | |
| Tomatillo | | | | | |
| Tomato (field) | | | | | |
| | | Cadence WDG (BAS 510 02 F Turf) | Fungicide | 27496 | Turf |
| Cyazofamid | 1 | Ranman 400 SC | Fungicide | 27984 | Potato |
| Cyprodinil | 3 | Vangard 75 WG | Fungicide | 25509 | Apple |
| | | | | | Apricot |
| | | | | | Grape |
| | | | | | Nectarine |
| | | | | | Peach |
| | | | | | Plum |
| | | | | | Prune |
| | | Vangard 75 WP | Fungicide | 25577 | Apple |
| | | Apricot | | | |
| | | Grape | | | |
| Nectarine | | | | | |
| Peach | | | | | |
| Plum | | | | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|------------------------|--|-----------------------------------|----------------|-----------------------|---------------------|
| Cyprodinil (cont'd) | | | | | Prune |
| | | Switch 62.5 | Fungicide | 28189 | Onion Strawberry |
| Diflufenzopyr | 2 | Distinct Herbicide (Agricultural) | Herbicide | 25811 | Corn (field) |
| | | Distinct WDG | Herbicide | 26406 | Corn (field) |
| Fenamidone | 1 | Reason 500 SC | Fungicide | 27462 | Potato |
| Fenhexamid | 2 | Elevate 50 WDG | Fungicide | 25900 | Cherry |
| | | | | | Grape |
| | | | | | Nectarine |
| | | | | | Peach |
| | Decree 50 WDG | Fungicide | 26132 | Flowers | |
| | | | | Lettuce (greenhouse) | |
| | | | | Ornamentals | |
| | | | | Tomato (greenhouse) | |
| Fluazinam | 1 | Allegro 500 F | Fungicide | 27517 | Potato |
| Flucarbazone sodium | 3 | Everest 70 DF | Herbicide | 26447 | Wheat (durum) |
| | | | | | Wheat (spring) |
| | | Everest Solupak 70 DF | Herbicide | 26448 | Wheat (durum) |
| | | | | | Wheat (spring) |
| Florasulam F | Herbicide | 27240 | Wheat (spring) | | |
| Fludioxonil | 6 | Maxim 480 FS Seed Treatment | Fungicide | 24732 | Corn (field) seed |
| | | | | | Corn (sweet) seed |
| | | | | | Popcorn seed |
| | | | | | Soybean seed |
| | Maxim PSP Potato Seed Protectant | Fungicide | 26647 | Potato seed | |
| | | | | | |
| | Maxim 480 FS Colourless Seed Treatment | Fungicide | 27001 | Amaranth (Chinese) | |
| | | | | Amaranth (leafy) | |
| | | | | Amaranth (spinach) | |
| | | | | Amaranth (tampala) | |
| | | | | Artichoke (Chinese) | |
| | | | | Artichoke (Jerusalem) | |
| | | | | Barley seed | |
| Bean (adzuki) | | | | | |
| Bean (asparagus) | | | | | |
| Bean (broad) | | | | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|-------------------------|---------------|--------------|--------------|----------------|-----------------------------|
| Fludioxonil (cont'd) | | | | | Bean (field) |
| | | | | | Bean (kidney) |
| | | | | | Bean (lablab) |
| | | | | | Bean (lima) |
| | | | | | Bean (moth) |
| | | | | | Bean (mung) |
| | | | | | Bean (navy) |
| | | | | | Bean (pinto) |
| | | | | | Bean (rice) |
| | | | | | Bean (runner) |
| | | | | | Bean (snap) |
| | | | | | Bean (sword) |
| | | | | | Bean (tepariy) |
| | | | | | Bean (urd) |
| | | | | | Bean (wax) |
| | | | | | Bean (yardlong) |
| | | | | | Blackeyed pea |
| | | | | | Broccoli |
| | | | | | Broccoli (Chinese) |
| | | | | | Broccoli (raab) |
| | | | | | Brussel sprout |
| | | | | | Buckwheat seed |
| | | | | | Burdock (edible) |
| | | | | | Cabbage |
| | | | | | Cabbage (Chinese, bok choy) |
| | | | | | Cabbage (Chinese, mustard) |
| | | | | | Cabbage (Chinese, napa) |
| | | | | | Carrot |
| | | | | | Cassava |
| | | | | | Catjang |
| | | | | | Celery |
| | | | | | Celery (Chinese) |
| | | | | | Celery (root) |
| | | | | | Celtuce |
| Chervil | | | | | |
| Chickpea | | | | | |
| Chicory | | | | | |
| Chinese waxgourd | | | | | |
| Citron melon | | | | | |
| Collards | | | | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|-------------------------|---------------|--------------|--------------|----------------|-----------------------------|
| Fludioxonil (cont'd) | | | | | Corn (field) seed |
| | | | | | Corn salad |
| | | | | | Corn (sweet) seed |
| | | | | | Cowpea |
| | | | | | Cress (garden) |
| | | | | | Cress (upland) |
| | | | | | Cucumber |
| | | | | | Dandelion |
| | | | | | Dock |
| | | | | | Eggplant seed |
| | | | | | Endive |
| | | | | | Fennel (finocchio) |
| | | | | | Garlic seed |
| | | | | | Garlic (great headed) |
| | | | | | Gherkin |
| | | | | | Ginger |
| | | | | | Gourd edible |
| | | | | | Gourd edible (Chinese okra) |
| | | | | | Gourd edible (cucuzza) |
| | | | | | Gourd edible (hechima) |
| | | | | | Gourd edible (hyotan) |
| | | | | | Grain sorghum seed |
| | | | | | Guar |
| | | | | | Herbs and spices seed |
| | | | | | Horseradish |
| | | | | | Jackbean |
| | | | | | Kale |
| | | | | | Kohlrabi |
| | | | | | Leek seed |
| | | | | | Lentil |
| | | | | | Lettuce (head and leaf) |
| | | | | | Longbean (Chinese) |
| | | | | | Lupin (grain) |
| Lupin (sweet) | | | | | |
| Lupin (white) | | | | | |
| Millet (pearl) seed | | | | | |
| Millet (proso) seed | | | | | |
| Momordica | | | | | |
| Muskmelon (all) | | | | | |
| Mustard greens | | | | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|-------------------------|---------------|--------------|--------------|----------------|---------------------------------|
| Fludioxonil (cont'd) | | | | | Mustard spinach |
| | | | | | Oat seed |
| | | | | | Onion (dry bulb and green) seed |
| | | | | | Onion welch seed |
| | | | | | Parsley |
| | | | | | Parsnip |
| | | | | | Pea (crowder) |
| | | | | | Pea (dwarf) |
| | | | | | Pea (edible-pod) |
| | | | | | Pea (English) |
| | | | | | Pea (field) |
| | | | | | Pea (garden) |
| | | | | | Pea (green) |
| | | | | | Pea (pigeon) |
| | | | | | Pea (snow) |
| | | | | | Pea (southern) |
| | | | | | Pea (sugar snap) |
| | | | | | Peanut seed |
| | | | | | Pepper |
| | | | | | Pepper (bell) seed |
| | | | | | Pepper (chili) seed |
| | | | | | Pepper (cooking) seed |
| | | | | | Pepper (pimento) seed |
| | | | | | Pepper (sweet) seed |
| | | | | | Popcorn seed |
| | | | | | Pumpkin |
| | | | | | Purslane (garden) |
| | | | | | Purslane (winter) |
| | | | | | Raddicchio |
| | | | | | Radish |
| | | | | | Radish (Oriental) |
| | | | | | Rape greens |
| | | | | | Rapeseed |
| Rhubarb | | | | | |
| Rice (wild) | | | | | |
| Rutabaga | | | | | |
| Rye seed | | | | | |
| Salsify (black) | | | | | |
| Salsify (oyster) | | | | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|---------------------------------|---------------|-------------------------|--------------|----------------|-------------------------|
| Fludioxonil (cont'd) | | | | | Salsify (spinach) |
| | | | | | Shallot seed |
| | | | | | Soybean seed |
| | | | | | Spinach |
| | | | | | Spinach (New Zealand) |
| | | | | | Spinach (vine) |
| | | | | | Squash (all) |
| | | | | | Sunflower seed |
| | | | | | Swiss chard |
| | | | | | Triticale seed |
| | | | | | Tomato seed |
| | | | | | Turnip |
| | | | | | Watermelon |
| | | | | | Wheat |
| | | Maxim XL Seed Treatment | Fungicide | 27071 | Corn (field) |
| | | | | | Corn (sweet) |
| | | | | | Popcorn |
| | | Apron Maxx RTA | Fungicide | 27577 | Bean (cranberry) |
| | | | | | Bean (dark red kidney) |
| | | | | | Bean (light red kidney) |
| Bean (white) | | | | | |
| Chickpea | | | | | |
| Lentil | | | | | |
| Pea (dry) | | | | | |
| Pea (field) | | | | | |
| Soybean | | | | | |
| | Switch 62.5 | Fungicide | 28189 | Onion | |
| | | | | Strawberry | |
| Glyphosate (glyphosate acid) | 5 | Touchdown DG | Herbicide | 24460 | Apple |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Forage (grass) |
| | | | | | Forage (legume) |
| | | IpcO Roundup Transorb | Herbicide | 25455 | Apple |
| | | | | | Canola |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Flax |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|---|---------------|------------------|--------------|----------------|----------------|
| Glyphosate (glyphosate acid) (cont'd) | | | | | Forage |
| | | | | | Pea |
| | | | | | Soybean |
| | | Nufarm Credit | Herbicide | 25866 | Apple |
| | | | | | Canola |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Pea |
| | | | | | Soybean |
| | | | | | Touchdown IQ |
| | | Bean (white) | | | |
| | | Canola | | | |
| | | Cherry (sour) | | | |
| | | Cherry (sweet) | | | |
| | | Chickpea | | | |
| | | Corn (field) | | | |
| | | Corn (sweet) | | | |
| | | Flax | | | |
| | | Forage (grass) | | | |
| | | Forage (legumes) | | | |
| | | Forage (seed) | | | |
| | | Pea (field) | | | |
| | | Soybean | | | |
| | | Touchdown IQ II | Herbicide | 28072 | Apple |
| | | | | | Bean (white) |
| Canola | | | | | |
| Cherry (sour) | | | | | |
| Cherry (sweet) | | | | | |
| Chickpea | | | | | |
| Corn (field) | | | | | |
| Corn (sweet) | | | | | |
| Flax | | | | | |
| Forage (grass) | | | | | |
| Forage (legumes) | | | | | |
| Forage (seed) | | | | | |
| Pea (field) | | | | | |
| Soybean | | | | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|---------------------------------|---------------|--------------|----------------------|----------------|----------------|
| Glyphosate (mono-ammonium salt) | 8 | Roundup Dry | Herbicide | 23084 | Apple |
| | | | | | Canola |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Corn |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Pea |
| | Soybean | | | | |
| | Roundup Dry | Herbicide | 23857 | Apple | |
| | | | | Canola | |
| | | | | Cherry (sour) | |
| | | | | Cherry (sweet) | |
| | | | | Corn | |
| | | | | Flax | |
| | | | | Forage | |
| | | | | Pea | |
| | Soybean | | | | |
| | Roundup Renew | Herbicide | 24708 | Canola | |
| | | | | Corn | |
| Flax | | | | | |
| Forage (grass) | | | | | |
| Pea | | | | | |
| Soybean | | | | | |
| Roundup Dry | Herbicide | 24874 | Apple | | |
| | | | Canola | | |
| | | | Cherry (sour) | | |
| | | | Cherry (sweet) | | |
| | | | Corn (field) | | |
| | | | Corn (sweet) | | |
| | | | Flax | | |
| | | | Forage establishment | | |
| | | | Lentil | | |
| | | | Pea (field) | | |
| | | | Soybean | | |
| Roundup Renew | Herbicide | 24985 | Canola | | |
| | | | Flax | | |
| | | | Forage | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|--|---------------|-------------------------|--------------|----------------|-------------------|
| Glyphosate (mono-ammonium salt) (cont'd) | | MON 78015 | Herbicide | 27018 | Pea |
| | | | | | Soybean |
| | | | | | Apple |
| | | | | | Canola |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Corn (field) |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Pea |
| | | Soybean | | | |
| | | Nufarm Credit Dual Salt | Herbicide | 27739 | Apple |
| | | | | | Canola (rapeseed) |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Pea |
| | | | | | Soybean |
| | | MON 78634 | Herbicide | 27936 | Apple |
| | | | | | Canola |
| | | | | | Canola (rapeseed) |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Chickpea |
| | | | | | Corn (field) |
| | | | | | Corn (sweet) |
| Flax | | | | | |
| Forage | | | | | |
| Pea (field) | | | | | |
| Soybean | | | | | |
| Sugar beet | | | | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|-------------------------------------|---------------|------------------|--------------|----------------|----------------|
| Glyphosate (isopropylamine salt) | 32 | Roundup Original | Herbicide | 13644 | Apple |
| | | | | | Canola |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Corn |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Pea |
| | | Soybean | | | |
| | | Wrangler | Herbicide | 20862 | Apple |
| | | | | | Canola |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Corn |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Pea |
| | | Soybean | | | |
| | | Laredo | Herbicide | 20863 | Apple |
| | | | | | Canola |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Corn |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Pea |
| | | Soybean | | | |
| | | Renegade | Herbicide | 20864 | Apple |
| | | | | | Canola |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Corn |
| Flax | | | | | |
| Forage | | | | | |
| Pea | | | | | |
| Soybean | | | | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|---|---------------|-----------------------|-----------------|----------------|----------------|
| Glyphosate (isopropylamine salt) (cont'd) | | Ipc0 Roundup Original | Herbicide | 20865 | Apple |
| | | | | | Canola |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Corn |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Pea |
| | | Soybean | | | |
| | | Manage 780 | Herbicide | 22412 | Apple |
| | | | | | Canola |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Corn |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Pea |
| | | Soybean | | | |
| | | Victor | Herbicide | 22806 | Apple |
| | | | | | Canola |
| Cherry (sour) | | | | | |
| Cherry (sweet) | | | | | |
| Corn | | | | | |
| Flax | | | | | |
| Forage | | | | | |
| Pea | | | | | |
| Soybean | | | | | |
| Glyphos | Herbicide | 24359 | Apple | | |
| | | | Canola | | |
| | | | Cherry (sour) | | |
| | | | Cherry (sweet) | | |
| | | | Corn | | |
| | | | Flax | | |
| | | | Forage (grass) | | |
| | | | Forage (legume) | | |
| | | | Pea | | |
| Soybean | | | | | |
| Roundup Transorb | Herbicide | 25344 | Apple | | |
| | | | Canola | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|--|-----------------|--------------|--------------|----------------|-------------------|
| Glyphosate (isopropylamine salt) (cont'd) | | | | | Canola (rapeseed) |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Chickpea |
| | | | | | Corn (field) |
| | | | | | Corn (sweet) |
| | | | | | Flax |
| | | | | | Forage (grass) |
| | | | | | Forage (legumes) |
| | | | | | Pea (field) |
| | | | | | Soybean |
| | | Vantage Plus | Herbicide | 26171 | Apple |
| | | | | | Canola |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Corn |
| | | | | | Flax |
| | | | | | Forage (grass) |
| | | | | | Forage (legume) |
| | | | | | Pea |
| | | | | | Soybean |
| | | | | | |
| | Canola | | | | |
| | Cherry (sour) | | | | |
| | Cherry (sweet) | | | | |
| | Corn | | | | |
| | Flax | | | | |
| | Forage (grass) | | | | |
| | Forage (legume) | | | | |
| | Pea | | | | |
| | Soybean | | | | |
| | | Maverick | Herbicide | 26429 | |
| | | | | | Canola |
| Cherry (sour) | | | | | |
| Cherry (sweet) | | | | | |
| Corn | | | | | |
| Flax | | | | | |
| Forage | | | | | |
| Pea | | | | | |
| Soybean | | | | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|---|---------------|----------------------|--------------|----------------|-----------------|
| Glyphosate (isopropylamine salt) (cont'd) | | Eclipse B | Herbicide | 26634 | Canola |
| | | Nufarm Credit TMP | Herbicide | 26704 | Apple |
| | | | | | Canola |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Corn |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Pea |
| | | | | | Soybean |
| | | Cheminova | Herbicide | 26828 | Apple |
| | | | | | Canola |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Flax |
| | | | | | Forage (grass) |
| | | | | | Forage (legume) |
| | | | | | Pea |
| | | Glyphosate Herbicide | Herbicide | 26846 | Apple |
| | | | | | Canola |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Flax |
| | | | | | Forage (grass) |
| | | | | | Forage (legume) |
| | | | | | Pea |
| | | MON 77280 | Herbicide | 26916 | Apple |
| | | | | | Canola |
| Cherry (sour) | | | | | |
| Cherry (sweet) | | | | | |
| Corn | | | | | |
| Flax | | | | | |
| Forage | | | | | |
| Pea | | | | | |
| Soybean | | | | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|---|---------------|--------------|----------------|----------------|----------------|
| Glyphosate (isopropylamine salt) (cont'd) | | MON 77569 | Herbicide | 26917 | Apple |
| | | | | | Canola |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Corn |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Pea |
| | | Soybean | | | |
| | | MON 78077 | Herbicide | 26918 | Apple |
| | | | | | Canola |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Corn |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Pea |
| | | Soybean | | | |
| | | MON 78112 | Herbicide | 26964 | Apple |
| | | | | | Canola |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Corn |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Pea |
| | | Soybean | | | |
| | | MON 78754 | Herbicide | 27041 | Apple |
| Canola | | | | | |
| Cherry (sour) | | | | | |
| Cherry (sweet) | | | | | |
| Corn | | | | | |
| Flax | | | | | |
| Forage | | | | | |
| Pea | | | | | |
| Soybean | | | | | |
| Ipco Factor | Herbicide | 27090 | Apple | | |
| | | | Canola | | |
| | | | Cherry (sour) | | |
| | | | Cherry (sweet) | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|---|---------------|-----------------|----------------|----------------|----------------|
| Glyphosate (isopropylamine salt) (cont'd) | | | | | Corn |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Pea |
| | | | | | Soybean |
| | | Weedaway Factor | Herbicide | 27104 | Apple |
| | | | | | Canola |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Corn |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Pea |
| | | Glyphos AU | Herbicide | 27287 | Apple |
| | | | | | Canola |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Corn |
| | | | | | Flax |
| | | | | | Forage (grass) |
| Forage (legume) | | | | | |
| Pea | | | | | |
| Laredo | Herbicide | 27405 | Apple | | |
| | | | Canola | | |
| | | | Cherry (sour) | | |
| | | | Cherry (sweet) | | |
| | | | Corn | | |
| | | | Flax | | |
| | | | Forage | | |
| | | | Pea | | |
| Roundup Original 360 | Herbicide | 27457 | Apple | | |
| | | | Canola | | |
| | | | Cherry (sour) | | |
| | | | Cherry (sweet) | | |
| | | | Corn | | |
| Flax | | | | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|---|---------------|-------------------------|-------------------|----------------|-------------------------|
| Glyphosate (isopropylamine salt) (cont'd) | | | | | Forage |
| | | | | | Pea |
| | | | | | Soybean |
| | | Vantage Plus Max | Herbicide | 27615 | Apple |
| | | | | | Canola |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Corn |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Pea |
| | | | | | Soybean |
| | | | | | Nufarm Credit Dual Salt |
| | | Canola (rapeseed) | | | |
| | | Cherry (sour) | | | |
| | | Cherry (sweet) | | | |
| | | Flax | | | |
| | | Forage | | | |
| | | Pea | | | |
| | | Soybean | | | |
| | | Deputy Liquid Herbicide | Herbicide | 27772 | Apple |
| | | | | | Canola |
| | | | | | Canola (rapeseed) |
| Cherry | | | | | |
| Corn | | | | | |
| Flax | | | | | |
| Forage | | | | | |
| Pea | | | | | |
| Laredo Plus | Herbicide | 27810 | Apple | | |
| | | | Canola (rapeseed) | | |
| | | | Cherry | | |
| | | | Corn | | |
| | | | Flax | | |
| | | | Forage | | |
| | | | Pea | | |
| Soybean | | | | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|---|---------------|---------------------|--------------|----------------|-----------------------------|
| Glyphosate (isopropylamine salt) (cont'd) | | Credit Plus | Herbicide | 27950 | Apple |
| | | | | | Canola (rapeseed) |
| | | | | | Cherry |
| | | | | | Corn |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Pea |
| | | | | | Soybean |
| | | Maverick II | Herbicide | 28245 | Apple |
| | | | | | Canola (rapeseed) |
| | | | | | Cherry |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Soybean |
| Glyphosate (ethanolamine salt) | 1 | Roundup Tansorb Max | Herbicide | 26920 | Apple |
| | | | | | Canola |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Corn |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Pea |
| | | | | | Soybean |
| | | | | | Glyphosate (potassium salt) |
| Canola | | | | | |
| Canola (rapeseed) | | | | | |
| Cherry (sour) | | | | | |
| Cherry (sweet) | | | | | |
| Chickpea | | | | | |
| Corn (field) | | | | | |
| Corn (sweet) | | | | | |
| Flax | | | | | |
| Forage | | | | | |
| Pea (field) | | | | | |
| Soybean | | | | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|--|---------------|-----------------------|----------------|----------------|----------------|
| Glyphosate (potassium salt) (cont'd) | | Roundup Weathermax | Herbicide | 27487 | Apple |
| | | | | | Canola |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Corn |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Pea |
| | | Soybean | | | |
| | | MON 78271 | Herbicide | 27488 | Apple |
| | | | | | Canola |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Corn |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Pea |
| | | Soybean | | | |
| | | Roundup Ultra | Herbicide | 27707 | Apple |
| | | | | | Canola |
| Cherry (sour) | | | | | |
| Cherry (sweet) | | | | | |
| Corn | | | | | |
| Flax | | | | | |
| Forage | | | | | |
| Pea | | | | | |
| Soybean | | | | | |
| Roundup Max | Herbicide | 27763 | Apple | | |
| | | | Canola | | |
| | | | Cherry (sour) | | |
| | | | Cherry (sweet) | | |
| | | | Corn | | |
| | | | Flax | | |
| | | | Forage | | |
| | | | Pea | | |
| Soybean | | | | | |
| Roundup Ultra Liquid | Herbicide | 27764 | Apple | | |
| | | | Canola | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|--|---------------|-------------------|-------------------|----------------|--------------------------|
| Glyphosate (potassium salt) (cont'd) | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Corn |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Pea |
| | | | | | Soybean |
| | | Roundup Ultra Max | Herbicide | 27839 | Apple |
| | | | | | Canola |
| | | | | | Canola (rapeseed) |
| | | | | | Cherry |
| | | | | | Corn |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Ginseng (North American) |
| | | | | | Pea |
| | | | | | Soybean |
| | | Sugar beet | | | |
| | | Renegade HC | Herbicide | 27946 | Apple |
| | | | | | Canola |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Chickpea |
| | | | | | Corn |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Ginseng (North American) |
| | | | | | Pea |
| | | Soybean | | | |
| | | Sugar beet | | | |
| Renegade+ Liquid | Herbicide | 27948 | Apple | | |
| | | | Canola | | |
| | | | Canola (rapeseed) | | |
| | | | Cherry (sour) | | |
| | | | Cherry (sweet) | | |
| | | | Chickpea | | |
| | | | Corn | | |
| Flax | | | | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|--|---------------|-----------------|--------------|----------------|--------------------------|
| Glyphosate (potassium salt) (cont'd) | | | | | Forage |
| | | | | | Ginseng (North American) |
| | | | | | Pea |
| | | | | | Soybean |
| | | | | | Sugar beet |
| | | Andale | Herbicide | 27988 | Apple |
| | | | | | Canola |
| | | | | | Canola (rapeseed) |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Chickpea |
| | | | | | Corn |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Ginseng (North American) |
| | | | | | Pea |
| | | | | | Soybean |
| | | | | | Sugar beet |
| | | Outlaw | Herbicide | 27989 | Apple |
| | | | | | Canola |
| | | | | | Canola (rapeseed) |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Chickpea |
| | | | | | Corn |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Ginseng (North American) |
| | | | | | Pea |
| | | | | | Soybean |
| | | | | | Sugar beet |
| | | Shootout Liquid | Herbicide | 27990 | Apple |
| | | | | | Canola |
| Canola (rapeseed) | | | | | |
| Cherry (sour) | | | | | |
| Cherry (sweet) | | | | | |
| Chickpea | | | | | |
| Corn | | | | | |
| Flax | | | | | |
| Forage | | | | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|--|---------------|----------------|--------------|----------------|--------------------------|
| Glyphosate (potassium salt) (cont'd) | | | | | Ginseng (North American) |
| | | | | | Pea |
| | | | | | Soybean |
| | | | | | Sugar beet |
| | | Bronco Liquid | Herbicide | 27992 | Apple |
| | | | | | Canola |
| | | | | | Canola (rapeseed) |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Chickpea |
| | | | | | Corn |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Ginseng (North American) |
| | | | | | Pea |
| | | | | | Soybean |
| | | Sugar beet | | | |
| | | Cutter Liquid | Herbicide | 27997 | Apple |
| | | | | | Canola |
| | | | | | Canola (rapeseed) |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Chickpea |
| | | | | | Corn |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Ginseng (North American) |
| | | | | | Pea |
| | | | | | Soybean |
| | | Sugar beet | | | |
| | | Holster Liquid | Herbicide | 28002 | Apple |
| | | | | | Canola |
| | | | | | Canola (rapeseed) |
| Cherry (sour) | | | | | |
| Cherry (sweet) | | | | | |
| Chickpea | | | | | |
| Corn | | | | | |
| Flax | | | | | |
| Forage | | | | | |
| Ginseng (North American) | | | | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|--|---------------|--------------------------|-------------------|----------------|--------------------------|
| Glyphosate (potassium salt) (cont'd) | | | | | Pea |
| | | | | | Soybean |
| | | | | | Sugar beet |
| | | Manage Liquid | Herbicide | 28005 | Apple |
| | | | | | Canola |
| | | | | | Canola (rapeseed) |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Chickpea |
| | | | | | Corn |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Ginseng (North American) |
| | | | | | Pea |
| | | | | | Soybean |
| | | | | | Sugar beet |
| | | | | | Renegade Liquid |
| | | Canola | | | |
| | | Canola (rapeseed) | | | |
| | | Cherry (sour) | | | |
| | | Cherry (sweet) | | | |
| | | Chickpea | | | |
| | | Corn | | | |
| | | Flax | | | |
| | | Forage | | | |
| | | Ginseng (North American) | | | |
| | | Pea | | | |
| Soybean | | | | | |
| Sugar beet | | | | | |
| Shootout HC Liquid | Herbicide | 28018 | Apple | | |
| | | | Canola | | |
| | | | Canola (rapeseed) | | |
| | | | Cherry (sour) | | |
| | | | Cherry (sweet) | | |
| | | | Chickpea | | |
| | | | Corn | | |
| | | | Flax | | |
| | | | Forage | | |
| Ginseng (North American) | | | | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|--|---------------|--------------------------|-------------------|----------------|--------------------------|
| Glyphosate (potassium salt) (cont'd) | | | | | Pea |
| | | | | | Soybean |
| | | | | | Sugar beet |
| | | Renegade Plus | Herbicide | 28019 | Apple |
| | | | | | Canola |
| | | | | | Canola (rapeseed) |
| | | | | | Cherry (sour) |
| | | | | | Cherry (sweet) |
| | | | | | Chickpea |
| | | | | | Corn |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Ginseng (North American) |
| | | | | | Pea |
| | | | | | Soybean |
| | | | | | Sugar beet |
| | | | | | Outlaw HC Liquid |
| | | Canola | | | |
| | | Canola (rapeseed) | | | |
| | | Cherry (sour) | | | |
| | | Cherry (sweet) | | | |
| | | Chickpea | | | |
| | | Corn | | | |
| | | Flax | | | |
| | | Forage | | | |
| | | Ginseng (North American) | | | |
| | | Pea | | | |
| Soybean | | | | | |
| Sugar beet | | | | | |
| Manage HC Liquid | Herbicide | 28021 | Apple | | |
| | | | Canola | | |
| | | | Canola (rapeseed) | | |
| | | | Cherry (sour) | | |
| | | | Cherry (sweet) | | |
| | | | Chickpea | | |
| | | | Corn | | |
| | | | Flax | | |
| | | | Forage | | |
| Ginseng (North American) | | | | | |
| Pea | | | | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses | | | | | | |
|--------------------------------------|---------------|-------------------|------------------|----------------|--------------------------|--------------------------|--|------------------|-----------|-------|--------|
| Glyphosate (potassium salt) (cont'd) | | Holster HC Liquid | Herbicide | 28024 | Soybean | | | | | | |
| | | | | | Sugar beet | | | | | | |
| | | | | | Apple | | | | | | |
| | | | | | Canola | | | | | | |
| | | | | | Canola (rapeseed) | | | | | | |
| | | | | | Cherry (sour) | | | | | | |
| | | | | | Cherry (sweet) | | | | | | |
| | | | | | Chickpea | | | | | | |
| | | | | | Corn | | | | | | |
| | | | | | Flax | | | | | | |
| | | | | | Forage | | | | | | |
| | | | | | Ginseng (North American) | | | | | | |
| | | | | | Pea | | | | | | |
| | | | | | Soybean | | | | | | |
| | | | | | Sugar beet | | | | | | |
| | | | Bronco HC Liquid | Herbicide | 28027 | Apple | | | | | |
| | | | | | | Canola | | | | | |
| | | | | | | Canola (rapeseed) | | | | | |
| | | | | | | Cherry (sour) | | | | | |
| | | | | | | Cherry (sweet) | | | | | |
| | | | | | | Chickpea | | | | | |
| | | | | | | Corn | | | | | |
| | | | | | | Flax | | | | | |
| | | | | | | Forage | | | | | |
| | | | | | | Ginseng (North American) | | | | | |
| | | | | | | Pea | | | | | |
| | | | | | | Soybean | | | | | |
| | | | | | | Sugar beet | | | | | |
| | | | | | | | | Andale HC Liquid | Herbicide | 28039 | Apple |
| | | | | | | | | | | | Canola |
| Canola (rapeseed) | | | | | | | | | | | |
| Cherry (sour) | | | | | | | | | | | |
| Cherry (sweet) | | | | | | | | | | | |
| Chickpea | | | | | | | | | | | |
| Corn | | | | | | | | | | | |
| Flax | | | | | | | | | | | |
| Forage | | | | | | | | | | | |
| Ginseng (North American) | | | | | | | | | | | |
| Pea | | | | | | | | | | | |
| Soybean | | | | | | | | | | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses | | |
|--------------------------------------|---------------|-----------------------------|--------------|----------------|--------------------------|-------|--------|
| Glyphosate (potassium salt) (cont'd) | 5 | Cutter HC Liquid | Herbicide | 28041 | Sugar beet | | |
| | | | | | Apple | | |
| | | | | | Canola | | |
| | | | | | Canola (rapeseed) | | |
| | | | | | Cherry (sour) | | |
| | | | | | Cherry (sweet) | | |
| | | | | | Chickpea | | |
| | | | | | Corn | | |
| | | | | | Flax | | |
| | | | | | Forage | | |
| | | | | | Ginseng (North American) | | |
| | | | | | Pea | | |
| | Soybean | | | | | | |
| | Sugar beet | | | | | | |
| | 5 | Round-up Transorb HC Liquid | Herbicide | 28198 | Apple | | |
| | | | | | Canola | | |
| | | | | | Canola (rapeseed) | | |
| | | | | | Cherry | | |
| | | | | | Chickpea | | |
| | | | | | Corn | | |
| Flax | | | | | | | |
| Forage | | | | | | | |
| Ginseng (North American) | | | | | | | |
| Pea | | | | | | | |
| Soybean | | | | | | | |
| Sugar beet | | | | | | | |
| Glyphosate (trimethylsulfonium salt) | 5 | Touchdown 480 | Herbicide | 23971 | Apple | | |
| | | | | | Cherry (sour) | | |
| | | | | | Cherry (sweet) | | |
| | | | | | Corn | | |
| | | | | | Flax | | |
| | | | | | Forage (grass) | | |
| | | | | | Forage (legume) | | |
| | | Soybean | | | | | |
| | | Touchdown XP | | 5 | Herbicide | 24318 | Apple |
| | | | | | | | Canola |
| | | | | | | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|---|--------------------------|--------------|--------------|-----------------|--------------------------|
| Glyphosate (trimethylsulfonium salt) (cont'd) | | | | | Cherry |
| | | | | | Flax |
| | | | | | Forage |
| | | | | | Ginseng (North American) |
| | | | | | Pea |
| | | | | | Soybean |
| | | | | | Sugar beet |
| | Glyphosate Trimesium 640 | Herbicide | 25272 | Apple | |
| | | | | Canola | |
| | | | | Cherry (sour) | |
| | | | | Cherry (sweet) | |
| | | | | Corn | |
| | | | | Flax | |
| | | | | Forage (grass) | |
| | | | | Forage (legume) | |
| | | | | Pea | |
| | | | | Soybean | |
| | Glyphosate Trimesium 480 | Herbicide | 25273 | Apple | |
| | | | | Canola | |
| | | | | Cherry (sour) | |
| | | | | Cherry (sweet) | |
| | | | | Corn | |
| | | | | Flax | |
| | | | | Forage (grass) | |
| | | | | Forage (legume) | |
| | | | | Pea | |
| | Soybean | | | | |
| | Touchdown 600 | Herbicide | 26458 | Apple | |
| Canola | | | | | |
| Cherry (sour) | | | | | |
| Cherry (sweet) | | | | | |
| Corn | | | | | |
| Flax | | | | | |
| Forage (grass) | | | | | |
| Forage (legume) | | | | | |
| Pea | | | | | |
| Soybean | | | | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|-----------------------|---------------|---------------------|----------------|----------------|----------------------|
| Imazamox | 4 | Viper WDG | Herbicide | 25110 | Soybean |
| | | AC 299,263 70 WDG | Herbicide | 25496 | Canola |
| | | | | | Wheat |
| | | Meridian WDG | Herbicide | 26463 | Soybean |
| AC 299,263 120 AS | Herbicide | 26705 | Wheat | | |
| Mefenoxam | 3 | Ridomil Gold 480 EC | Fungicide | 25384 | Apple |
| | | | | | Bean (snap) |
| | | | | | Blueberry (highbush) |
| | | | | | Cucumber |
| | | | | | Ginseng |
| | | | | | Hops |
| | | | | | Potato |
| | | | | | Raspberry |
| | | | | | Strawberry |
| | | Tobacco (field) | | | |
| | | Apron XL LS | Fungicide | 25585 | Alfalfa |
| | | | | | Bean (field) |
| | | | | | Bean (green) |
| | | | | | Bean (kidney) |
| | | | | | Bean (lima) |
| | | | | | Bean (navy) |
| | | | | | Bean (pole) |
| | | | | | Bean (snap) |
| | | | | | Bean (string) |
| | | | | | Bean (wax) |
| | | | | | Carrot (export only) |
| | | | | | Chickpea |
| | | | | | Lentil |
| | | | | | Onion |
| | | | | | Pea (field) |
| | | | | | Pea (garden) |
| | | | | | Soybean |
| Spinach (export only) | | | | | |
| Spinach seed | | | | | |
| Sugar beet | | | | | |
| Ridomil Gold 1G | Fungicide | 26612 | Carrot | | |
| | | | Ginseng | | |
| | | | Lettuce (head) | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|---|---------------|-------------------------------|------------------------|----------------|-------------------------------|
| Mesotrione | 1 | Callisto 480 SC | Herbicide | 27833 | Corn (field) |
| | | | | | Corn (seed) |
| | | | | | Corn (sweet) |
| Methoxyfenozide | 1 | Intrepid 240 F | Insecticide | 27786 | Apple |
| Mustard seed and α -olefin sulfonate, sodium | 1 | Exit™ Concentrate Rodenticide | Rodenticide | 27400 | Richardson's ground squirrels |
| Pinoxaden | 1 | Axial 100 EC | Herbicide | 28150 | Barley |
| | | | | | Wheat (durum) |
| | | | | | Wheat (spring) |
| Prohexadione calcium | 1 | Apogee | Plant growth regulator | 28042 | Apple |
| Pymetrozine | 2 | Endeavor 50 WG | Insecticide | 27273 | Greenhouse ornamentals |
| | | | | | Pepper (greenhouse) |
| | | Fulfill 50 WG | Insecticide | 27274 | Potato |
| Pyrimethanil | 1 | Scala SC | Fungicide | 28011 | Apple |
| | | | | | Grape |
| | | | | | Pear |
| | | | | | Potato |
| | | | | | Strawberry |
| s-Metolachlor | 4 | Dual Magnum Agricultural | Herbicide | 25728 | Bean (green snap) |
| | | | | | Bean (kidney) |
| | | | | | Bean (lima) |
| | | | | | Bean (pinto) |
| | | | | | Bean (white) |
| | | | | | Bean (yellow snap) |
| | | | | | Bean (black) |
| | | | | | Bean (cranberry) |
| | | | | | Corn (hybrid) |
| | | | | | Corn (silage) |
| | | | | | Corn (sweet) |
| | | | | | Corn seed |
| | | | | | Lupin (white sweet) |
| | | | | | Pea (processing) |
| Potato | | | | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses | | | |
|---------------------------|---------------|---------------------|--------------|----------------|---------------------|---------------------------|-------|-----------------------------|
| s-Metolachlor (cont'd) | | Dual II Magnum | Herbicide | 25729 | Bean (black) | | | |
| | | | | | Bean (cranberry) | | | |
| | | | | | Bean (green snap) | | | |
| | | | | | Bean (kidney) | | | |
| | | | | | Bean (lima) | | | |
| | | | | | Bean (otebo) | | | |
| | | | | | Bean (pinto) | | | |
| | | | | | Bean (white) | | | |
| | | | | | Bean (yellow snap) | | | |
| | | | | | Corn (hybrid) | | | |
| | | | | | Corn (silage) | | | |
| | | | | | Corn (sweet) | | | |
| | | | | | Corn seed | | | |
| | | | | | Lupin (white sweet) | | | |
| | | | | | Pea (processing) | | | |
| Potato | | | | | | | | |
| Soybean | | | | | | | | |
| | | Dual II Magnum SI | Herbicide | 26418 | Corn (hybrid) | | | |
| | | | | | Corn (silage) | | | |
| | | | | | Corn (sweet) | | | |
| | | | | | Corn seed | | | |
| | | Dual Magnum Soybean | Herbicide | 27363 | Soybean | | | |
| Spinosad | 4 | Conserve 480 SC | Insecticide | 26834 | Turf | | | |
| | | | | | Success 480 SC | Acaricide, insecticide | 26835 | Apple |
| | | | | | | | | Apricot |
| | | | | | | | | Arugula |
| | | | | | | | | Bean (snap) |
| | | | | | | | | Broccoli |
| | | | | | | | | Broccoli (Chinese) |
| | | | | | | | | Broccoli (raab/rapini) |
| | | | | | | | | Broccolo cavalo |
| | | | | | | | | Brussels sprout |
| | | | | | | | | Cabbage |
| | | | | | | | | Cabbage (Chinese) |
| | | | | | | | | Cabbage (Chinese, bok choy) |
| | | | | | | | | Cabbage (Chinese, mustard) |
| Cabbage (Chinese, napa) | | | | | | | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|-------------------------|---------------|--------------|--------------|----------------|-----------------------|
| Spinosad (cont'd) | | | | | Cardoon |
| | | | | | Cauliflower |
| | | | | | Celery |
| | | | | | Celery (Chinese) |
| | | | | | Celtuce |
| | | | | | Cherry (ground) |
| | | | | | Cherry (sweet) |
| | | | | | Cherry (tart) |
| | | | | | Chervil |
| | | | | | Collards |
| | | | | | Corn (sweet) |
| | | | | | Crabapple |
| | | | | | Cress (garden) |
| | | | | | Cress (upland) |
| | | | | | Cucumber (greenhouse) |
| | | | | | Eggplant |
| | | | | | Endive |
| | | | | | Florence fennel |
| | | | | | Horseradish |
| | | | | | Kale |
| | | | | | Kohlrabi |
| | | | | | Lettuce (head) |
| | | | | | Lettuce (leaf) |
| | | | | | Mustard greens |
| | | | | | Nectarine |
| | | | | | Orach |
| | | | | | Parsley |
| | | | | | Peach |
| | | | | | Pear |
| | | | | | Pear (Oriental) |
| | | | | | Pepino |
| | | | | | Pepper (bell) |
| | | | | | Pepper (chili) |
| Pepper (non-bell) | | | | | |
| Pepper (sweet non-bell) | | | | | |
| Plum | | | | | |
| Plum (chickasaw) | | | | | |
| Plum (damson) | | | | | |
| Plum (Japanese) | | | | | |
| Potato | | | | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|-----------------------|---------------|-----------------|---|----------------|------------------------|
| Spinosad (cont'd) | | | | | Prune |
| | | | | | Quince |
| | | | | | Radicchio |
| | | | | | Radish |
| | | | | | Radish (Oriental) |
| | | | | | Rape greens |
| | | | | | Rhubarb |
| | | | | | Rutabaga |
| | | | | | Spinach |
| | | | | | Spinach (mustard) |
| | | | | | Spinach (New Zealand) |
| | | | | | Spinach (vine) |
| | | | | | Swiss chard |
| | | | | | Tomatillo |
| Tomato | | | | | |
| Turf | | | | | |
| Turnip | | | | | |
| | | Conserve 120 SC | Insecticide | 27278 | Turf |
| | | Entrust 80W | Insecticide | 27825 | Potato |
| Tebufenozide | 2 | Mimic 240 LV | Insect growth regulator, insecticide | 24502 | Forestry |
| | | | | | Woodlands |
| | | Confirm 240 F | Acaricide, insect growth regulator, insecticide | 24503 | Apple |
| | | | | | Crabapple |
| | | | | | Cranberry |
| | | | | | Greenhouse ornamentals |
| | | | | | Lettuce (greenhouse) |
| | | | | | Pear |
| | | | | | Pepper (greenhouse) |
| | | | | | Tomato (greenhouse) |
| Trifloxystrobin | 3 | Compass 50 WG | Fungicide | 27527 | Ornamentals |
| | | | | | Turf |
| | | Stratego 250 EC | Fungicide | 27528 | Wheat (spring) |
| | | | | | Wheat (winter) |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|-----------------------------|---------------|--------------|--------------|----------------|------------------------|
| Trifloxystrobin (cont'd) | | Flint 50 WG | Fungicide | 27529 | Apple |
| | | | | | Crabapple |
| | | | | | Grape |
| | | | | | Grape (table) |
| | | | | | Grape (wine) |
| | | | | | Loquat mayhaw |
| | | | | | Pear |
| | | | | | Pear (Oriental) |
| | | | | | Quince |
| | | | | | Wheat (Canada prairie) |
| | | | | | Wheat (durum) |
| | | | | | Wheat (hard red) |
| | | | | | Wheat (soft white) |
| Wheat (spring) | | | | | |
| Wheat (winter) | | | | | |
| Zoxamide | 1 | Zoxium 80 W | Fungicide | 26840 | Grape |

Table 1b Reduced-risk Chemical Active Ingredients, End-use Products and Uses Registered in Canada—Domestic Products (31 March 2006)

Refer to <http://eddenet.pmra-arla.gc.ca/4.0/4.01.asp> to view full label information.

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|-----------------------|---------------|--------------|--------------|----------------|-------------------------------------|
| Acetamiprid | 1 | Pristine RTU | Insecticide | 27126 | Amaranth leafy |
| | | | | | Apple |
| | | | | | Arugula |
| | | | | | Broccoli |
| | | | | | Broccoli (Chinese) |
| | | | | | Broccoli raab |
| | | | | | Brussel sprout |
| | | | | | Cabbage |
| | | | | | Cabbage (Chinese, bok choy) |
| | | | | | Cabbage (Chinese mustard, gai choy) |
| | | | | | Cabbage (Chinese, napa) |
| | | | | | Cardoon |
| | | | | | Cauliflower |
| | | | | | Cavalo broccolo |
| | | | | | Celery |
| | | | | | Celery (Chinese) |
| | | | | | Celtuce |
| | | | | | Chevril |
| | | | | | Chrysanthemum (edible leaved) |
| | | | | | Chrysanthemum (garland) |
| | | | | | Citrus (dried pulp) |
| | | | | | Collards |
| | | | | | Corn salad |
| | | | | | Crabapple |
| | | | | | Cress (garland) |
| | | | | | Cress (upland) |
| | | | | | Dandelion leaves |
| | | | | | Dock |
| Endive | | | | | |
| Florence fennel | | | | | |
| Flowers | | | | | |
| Kale | | | | | |
| Kohlrabi | | | | | |
| Lettuce (head) | | | | | |
| Lettuce (leaf) | | | | | |

| Reduced-risk Chemical | # of Products | Product Name | Product Type | Registration # | Uses |
|-------------------------------------|---------------|--|--------------|----------------|-------------------|
| Acetamiprid (cont'd) | | | | | Mizuna |
| | | | | | Mustard greens |
| | | | | | Mustard spinach |
| | | | | | Orach |
| | | | | | Ornamentals |
| | | | | | Parsley leaves |
| | | | | | Pear |
| | | | | | Pear (Oriental) |
| | | | | | Purslane (garden) |
| | | | | | Purslane (winter) |
| | | | | | Quince |
| | | | | | Radicchio |
| | | | | | Rape greens |
| | | | | | Rhubarb |
| | | | | | Spinach |
| Spinach (New Zealand) | | | | | |
| Spinach (vine) | | | | | |
| Swiss chard | | | | | |
| Tomato (field) | | | | | |
| Glyphosate (isopropylamine salt) | 2 | Roundup Ready-to-use Pull'n Spray | Herbicide | 27506 | Vegetable gardens |
| | | Roundup Ready-to-use Pull'n Spray Foam | Herbicide | 27507 | Vegetable gardens |
| Spinosad | 1 | Conserve 120 SC | Insecticide | 27285 | Turf |

Table 2 Reduced-risk Chemical Active Ingredients Registered or Pending Registration in Canada and the United States (31 March 2006)

| Reduced-risk Active Ingredient | Registered and Pending Active Ingredients | |
|-------------------------------------|---|--------|
| | United States | Canada |
| Acetamiprid ^(JR) | 1 | 1 |
| Acequinocyl | 1 | (1) |
| Aminopyralid ^(JR) | 1 | 1 |
| Azoxystrobin | 1 | 1 |
| Boscalid (BAS 510F) ^(JR) | 1 | 1 |
| Bifenazate | 1 | 1 |
| Bispyribac-sodium | 1 | N/A |
| Buprofezin | 1 | N/A |
| Carfentrazone-ethyl | 1 | N/A |
| Clofentezine | 1 | 1 |
| Cyazofamid ^(WS) | 1 | 1 |
| Cyhalofop-butyl | 1 | * |
| Cyprodinil ^(JR) | 1 | 1 |
| Diflubenzuron | 1 | 1 |
| Diflufenzopyr ^(JR) | 1 | 1 |
| Dinotefuran | 1 | N/A |
| Ecolyst | 1 | * |
| Etoxazole | 1 | N/A |
| Fenamidone | 1 | 1 |
| Fenhexamid ^(JR) | 1 | 1 |
| Fenpyroximate | 1 | N/A |
| Fluazinam | 1 | 1 |
| Flucarbazone sodium ^(WS) | 1 | 1 |
| Fludioxonil | 1 | 1 |
| Flumiclorac-pentyl | 1 | N/A |
| Fluroxypyr | 1 | N/A |
| Glufosinate-ammonium | 1 | 1* |
| Glyphosate | 1 | 1 |
| Hexaflumuron | 1 | N/A |
| Hymexazol | 1 | N/A |
| Imazamox | 1 | 1 |
| Imazapic | 1 | N/A |
| Imazethapyr | 1 | 1* |

| Reduced-risk Active Ingredient | Registered and Pending Active Ingredients | |
|---|---|-----------|
| | United States | Canada |
| Indoxacarb | 1 | (1) |
| Lambda-cyhalothrin | 1 | 1 |
| Lufenuron | 1 | N/A |
| Macalaya extract | 1 | N/A |
| Mefenoxam | 1 | 1 |
| Mesosulfuron-methyl | 1 | N/A |
| Mesotrione | 1 | 1 |
| Methoxyfenozide | 1 | 1 |
| Methyl anthranilate | 1 | 1 |
| Mustard seed and α -olefin sulfonate, sodium ^(JR) | 1 | 1 |
| Novaluron ^(WS) | 1 | (1) |
| Noviflumuron | 1 | N/A |
| Penoxsulam | 1 | * |
| Pinoxaden ^(JR) | 1 | 1 |
| Prohexadione calcium | 1 | 1 |
| Pymetrozine | 1 | 1 |
| Pyrimethanil | (1) | 1 |
| Pyriproxyfen | 1 | 1 |
| Quinoxifen | 1 | N/A |
| s-Dimethenamid | 1 | N/A |
| s-Metolachlor | 1 | 1 |
| Spinosad | 1 | 1 |
| Tebufenozide | 1 | 1 |
| Trifloxystrobin | 1 | 1 |
| Zoxamide ^(JR) | 1 | 1 |
| TOTAL | 58 | 38 |
| % COMPARISON | 67.9 | |

* USEPA use pattern not applicable to Canada (e.g., rice, cotton, citrus). These active ingredients were not included in the percentage comparison.

(1) Pending registration

(JR) Joint review

(WS) Work share

N/A Not applicable

**Table 3a Biopesticides Registered in Canada—Commercial Products
(31 March 2006)**

Products containing a biopesticide active ingredient and additional non-reduced-risk chemical active ingredients are not included.

Refer to <http://eddenet.pmra-arla.gc.ca/4.0/4.01.asp> to view full label information.

| Biopesticide | # of Products | Product Name | Product Type | Registration # |
|---|---------------|-----------------------|------------------------|----------------|
| 1-Methylcyclopropene (MCP) | 1 | SmartFresh Technology | Plant growth regulator | 27778 |
| Acetic acid | 1 | EcoClear (Commercial) | Herbicide | 25528 |
| <i>Agrobacterium radiobacter</i> | 1 | Dyggall | Bactericide | 21106 |
| Aminoethoxyvinylglycine hydrochloride (AVG) | 1 | ReTain | Plant growth regulator | 25609 |
| <i>Bacillus sphaericus</i> | 3 | Vectolex WDG | Insecticide | 28007 |
| | | Vectolex CG | Insecticide | 28008 |
| | | Vectolex WSP | Insecticide | 28009 |
| <i>Bacillus thuringiensis</i> Berliner ssp. <i>kurstaki</i> | 14 | DiPel WP | Insecticide | 11252 |
| | | Thuricide-HPC | Insecticide | 11302 |
| | | Thuricide 48LV | Insecticide | 17980 |
| | | DiPel 176 | Insecticide | 20599 |
| | | Foray 76B | Insecticide | 24976 |
| | | Foray 48B | Insecticide | 24977 |
| | | Foray 48BA | Insecticide | 24978 |
| | | DiPel 2X DF | Insecticide | 26508 |
| | | Bioprotec Aqueous | Insecticide | 26535 |
| | | Bioprotec CAF | Insecticide | 26854 |
| | | Bioprotec HP | Insecticide | 27099 |
| | | Foray 96B | Insecticide | 27489 |
| | | Bioprotec XHP | Insecticide | 27749 |
| | | Bioprotec 3P | Insecticide | 27750 |

| Biopesticide | # of Products | Product Name | Product Type | Registration # |
|---|---------------|--------------------------------|------------------------|----------------|
| <i>Bacillus thuringiensis</i> serotype H-14 | 11 | VectoBac-200G Restricted | Insecticide | 18158 |
| | | Teknar Granules | Insecticide | 19239 |
| | | Teknar HP-D | Insecticide | 19241 |
| | | VectoBac 600L | Insecticide | 19455 |
| | | VectoBac 200G (Commercial) | Insecticide | 19466 |
| | | VectoBac-1200L | Insecticide | 21062 |
| | | Aquabac _{xt} | Insecticide | 26860 |
| | | Aquabac 200G (Commercial) | Insecticide | 26862 |
| | | Aquabac 200G (Restricted) | Insecticide | 26863 |
| | | Aquabac II _{xt} | Insecticide | 27376 |
| Gnatrol DG | Insecticide | 27821 | | |
| <i>Bacillus thuringiensis</i> ssp. <i>tenebrionis</i> | 1 | Novodor Flowable | Insecticide | 24068 |
| Benzyladenine | 4 | Promalin | Plant growth regulator | 16636 |
| | | Accel | Plant growth regulator | 24593 |
| | | Fascination | Plant growth regulator | 27135 |
| | | Promalin | Plant growth regulator | 27137 |
| Capsaicin | 18 | Counter Assault Bear Deterrent | Animal repellent | 22137 |
| | | Bear Scare | Animal repellent | 22991 |
| | | Outdoorsman | Animal repellent | 23797 |
| | | Bear D'Fense | Animal repellent | 24202 |
| | | The Original Black Max | Animal repellent | 24901 |
| | | BearShield | Animal repellent | 25126 |
| | | Spike Bear Deterrent | Animal repellent | 25589 |
| | | Tactical O.C. | Animal repellent | 25590 |
| | | Frontiersman | Animal repellent | 26619 |
| | | Bearier Bear Deterrent (0.75%) | Animal repellent | 26871 |

| Biopesticide | # of Products | Product Name | Product Type | Registration # |
|---|---------------|---------------------------------------|------------------------|----------------|
| Capsaicin (cont'd) | | Back-Off | Animal repellent | 27380 |
| | | Bear Beware | Animal repellent | 27381 |
| | | Bear Beware Plus | Animal repellent | 27382 |
| | | Bear D'Fense Professional | Animal repellent | 27685 |
| | | UDAP Pepper Power | Animal repellent | 27715 |
| | | Trailguard | Animal repellent | 27744 |
| | | Defiance Bear Repellent | Animal repellent | 27748 |
| | | Spike Professional Bear Deterrent | Animal repellent | 27926 |
| <i>Chondostereum purpureum</i> | 1 | Myco-Tech Paste | Herbicide | 27020 |
| <i>Chondostereum purpureum</i> (North American Strain Pathovar PFC2139) | 1 | Chontrol Paste | Herbicide | 27823 |
| Codling moth pheromone | 2 | Isomate-C Plus Codling Moth Pheromone | Insecticide | 22899 |
| | | Paramount Aerosol | Insecticide | 27369 |
| Codling moth and leaf roller pheromone | 1 | Isomate-CM/LR Pheromone | Insecticide | 27776 |
| <i>Colletotrichum gloeosporioides</i> f.sp. <i>malvae</i> | 1 | BioMal | Herbicide | 22359 |
| Corn gluten meal | 2 | Nutrite Pre-emergent (Commercial) | Plant growth regulator | 27728 |
| | | TurfMaize Pro | Plant growth regulator | 27865 |
| <i>Cydia pomonella granulosis virus</i> | 1 | Virosoft CP4 | Insecticide | 26533 |
| Diatomaceous earth (100%) | 6 | Chemfree Insectigone (Commercial) | Insecticide | 19166 |
| | | Chemfree Insectigone Agricultural | Insecticide | 19215 |
| | | Chemfree Insectigone (Commercial) | Insecticide | 19230 |
| | | Insect Stop (Commercial) | Insecticide | 21039 |

| Biopesticide | # of Products | Product Name | Product Type | Registration # |
|--|---------------|---|------------------------|----------------|
| Diatomaceous earth (100%) (cont'd) | | Insecto | Insecticide | 22489 |
| | | Barn Fresh | Insecticide | 27265 |
| Diatomaceous earth (fresh water fossils) | 2 | Protect-It | Insecticide | 24259 |
| | | PI2 Ready-To-Use | Insecticide | 26194 |
| Dried blood | 2 | Plantskydd Soluble Powder Concentrate (Commercial) | Animal repellent | 27411 |
| | | Plantskydd Deer Repellent Pre-Mixed RTU Solution (Commercial) | Animal repellent | 27656 |
| Ethylene | 9 | Eco Sprout 2% | Plant growth regulator | 26851 |
| | | Eco Sprout 3% | Plant growth regulator | 27076 |
| | | Eco Sprout 5% | Plant growth regulator | 27077 |
| | | Eco Sprout 8% | Plant growth regulator | 27078 |
| | | Eco Sprout 13% | Plant growth regulator | 27079 |
| | | Eco Sprout 21% | Plant growth regulator | 27080 |
| | | Eco Sprout 35% | Plant growth regulator | 27081 |
| | | Eco Sprout 69% | Plant growth regulator | 27082 |
| | | Eco Sprout 100% | Plant growth regulator | 27083 |
| Formic acid | 1 | Nod | Acaricide | 27835 |
| Gibberellic acid | 2 | Activol | Plant growth regulator | 11904 |
| | | Falgro | Plant growth regulator | 27653 |

| Biopesticide | # of Products | Product Name | Product Type | Registration # |
|--|---------------|-------------------------|-------------------------|----------------|
| Gibberellin A4 mixed with gibberellin A7 | 4 | Promalin (500 ml) | Plant growth regulator | 16636 |
| | | Accel | Plant growth regulator | 24593 |
| | | Fascination | Plant growth regulator | 27135 |
| | | Promalin (10 × 500 ml) | Plant growth regulator | 27137 |
| Grape berry moth pheromone | 3 | Isomate-GBM | Insecticide | 25147 |
| | | 3M MEC-GBM | Insecticide | 26517 |
| | | Isomate-GBM Plus | Insecticide | 27525 |
| Greater peachtree borer pheromone | 1 | Isomate-P Pheromone | Insecticide | 27141 |
| Hydrogen peroxide | 1 | Biosafe Oxidate | Bactericide, fungicide | 27432 |
| Iron phosphate (ferric phosphate) | 3 | Ferramol | Molluscicide | 27085 |
| | | Sluggo | Molluscicide | 27096 |
| | | Safer's Ferramol | Molluscicide | 27157 |
| Isopropyl (2E,4E,7S)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate (S-methoprene) | 8 | APEX EC | Insect growth regulator | 17247 |
| | | Kabat Tobacco Protector | Insect growth regulator | 17324 |
| | | Precor EC | Insect growth regulator | 21573 |
| | | Altosid | Insect growth regulator | 21809 |
| | | Altosid Restricted | Insect growth regulator | 22676 |
| | | Apex EC | Insect growth regulator | 27473 |
| | | Altosid XR | Insect growth regulator | 27694 |

| Biopesticide | # of Products | Product Name | Product Type | Registration # |
|---|---------------|--|---------------------------------|----------------|
| Isopropyl (2E,4E,7S)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate (S-methoprene) (cont'd) | | Altosid Liquid | Insect growth regulator | 28070 |
| Kaolin | 1 | Surround WP | Insect repellent | 27469 |
| NPV douglas fir tussock moth | 2 | Virtuss | Insecticide | 17786 |
| | | TM Biocontrol-1 | Insecticide | 19293 |
| NPV of the gypsy moth | 1 | NPV for Gypsy Moth Larvae | Insecticide | 24869 |
| <i>Ophiostoma piliferum</i> fungus | 1 | Sylvanex | Anti-sapstain wood preservative | 27560 |
| Oriental fruit moth pheromone | 3 | Isomate-M100 | Insecticide | 26981 |
| | | Isomate-M Rosso | Insecticide | 27339 |
| | | 3M Sprayable Pheromone | Insecticide | 27647 |
| Potassium bicarbonate | 1 | Milstop | Fungicide | 28095 |
| <i>Pseudozyma flocculosa</i> | 1 | Sporodex L | Fungicide | 27161 |
| Putrescent whole egg solids | 1 | Deer-Away (Commercial) | Animal repellent | 17667 |
| Silica aerogel | 2 | Protect-It | Insecticide | 24259 |
| | | PI2 | Insecticide | 26194 |
| Soap | 1 | Safer's Insecticidal Soap (Agricultural) | Acaricide, insecticide | 14669 |
| <i>Streptomyces griseoviridis</i> | 1 | Mycostop | Fungicide | 26265 |
| <i>Trichoderma harzianum</i> Rifai str. KRL-AF2 | 2 | Rootshield Drench | Fungicide | 27115 |
| | | Rootshield Granules | Fungicide | 27116 |
| Tomato pinworm pheromone | 1 | 3M Sprayable Pheromone | Insecticide | 27335 |
| Verbenone | 1 | Verbenone Pouch | Insect repellent | 28260 |
| z-11-Tetradecenyl acetate | 2 | 3M Sprayable Pheromone | Insecticide | 25880 |
| | | 3M MEC-LR Sprayable | Insecticide | 27216 |

**Table 3b Biopesticides Registered in Canada—Domestic Products
(31 March 2006)**

Products containing a biopesticide active ingredient and additional non-reduced-risk chemical active ingredients are not included.

Refer to <http://eddenet.pmra-arla.gc.ca/4.0/4.01.asp> to view full label information.

| Biopesticide | # of Products | Product Name | Product Type | Registration # |
|--|---------------|---|------------------|----------------|
| Acetic acid | 5 | EcoClear | Herbicide | 26522 |
| | | President's Choice Weed Controler Herbicide | Herbicide | 27109 |
| | | Scotts Ecosense | Herbicide | 27933 |
| | | Scotts Ecosense (Quick Connect Sprayer) | Herbicide | 28178 |
| | | Scotts Ecosense (Pull 'N Spray) | Herbicide | 28179 |
| <i>Bacillus thuringiensis</i> Berliner ssp. <i>kurstaki</i> | 2 | Safer's BTK | Insecticide | 24536 |
| | | Bioprotec ECO | Insecticide | 27251 |
| <i>Bacillus thuringiensis</i> serotype H-14 | 1 | Aquabac 200G | Insecticide | 27374 |
| Black pepper oil | 2 | Scentagone | Animal repellent | 25789 |
| | | Havahart | Animal repellent | 25829 |
| Capsaicin | 16 | Defiance Dog Repellent | Animal repellent | 23115 |
| | | Pepper Spray | Animal repellent | 23308 |
| | | The Original Black Max | Animal repellent | 23548 |
| | | Dog D'Fense Clip Model | Animal repellent | 25153 |
| | | Scentagone | Animal repellent | 25789 |
| | | Havahart | Animal repellent | 25829 |
| | | Squirrel Proof Premier | Animal repellent | 26479 |
| | | Squirrel Proof Seed Saver | Animal repellent | 26480 |
| | | MSI Mace | Animal repellent | 26690 |
| | | Squirrel Proof Suet Sunflower Blend | Animal repellent | 26853 |
| | | Sabre | Animal repellent | 27051 |

| Biopesticide | # of Products | Product Name | Product Type | Registration # |
|--|---------------|---|------------------|----------------|
| Capsaicin (cont'd) | | Dog Beware | Animal repellent | 27383 |
| | | Jogger Fogger | Animal repellent | 27689 |
| | | Spike Dog Repellent | Animal repellent | 27690 |
| | | UDAP | Animal repellent | 27714 |
| | | Counter Assault Dog Deterrent | Animal repellent | 27771 |
| Corn gluten meal | 2 | TurfMaize | Herbicide | 27491 |
| | | Nutrite Pre-emergent | Herbicide | 27727 |
| Diatomaceous earth (100%) | 17 | Chemfree Insectigone Crawling Insect Killer | Insecticide | 19216 |
| | | Insect Stop | Insecticide | 21038 |
| | | Insecolo | Insecticide | 21149 |
| | | Insectigone Cockroach and Ant Killer | Insecticide | 21340 |
| | | Insectigone Earwig Killer | Insecticide | 21341 |
| | | Insectigone Ant Killer | Insecticide | 21342 |
| | | Green Earth DIO | Insecticide | 21936 |
| | | Insect Stop Insect Control | Insecticide | 21951 |
| | | Stop Insect | Insecticide | 21951.02 |
| | | Watkins | Insecticide | 24921 |
| | | Insect Stop Cockroach & Ant Killer | Insecticide | 25596 |
| | | Insect Stop Silverfish & Cockroach Killer | Insecticide | 25597 |
| | | Insect Stop Earwig Killer | Insecticide | 25598 |
| | | Insect Stop Ant Killer | Insecticide | 25599 |
| | | Green Earth Indoor/Outdoor | Insecticide | 26622 |
| Green Earth Ant & Roach Insect Dust | Insecticide | 26679 | | |
| Raid EarthBlends | Insecticide | 27185 | | |
| Diatomaceous earth (fresh water fossils) | 6 | Bug Out | Insecticide | 27947 |

| Biopesticide | # of Products | Product Name | Product Type | Registration # |
|--|---------------|--|--------------------------------------|----------------|
| Diatomaceous earth (fresh water fossils) (cont'd) | | The House and Garden Insect Destroyer | Insecticide | 28098 |
| | | The Cockroach and Ant Destroyer | Insecticide | 28102 |
| | | The Ant Destroyer | Insecticide | 28103 |
| | | The Earwig Destroyer | Insecticide | 28105 |
| | | The Silverfish and Cockroach Destroyer | Insecticide | 28106 |
| Dried blood | 2 | Plantskydd Deer Repellent Pre-Mixed RTU Solution | Animal repellent | 27413 |
| | | Plantskydd Deer Repellent Soluble Powder | Animal repellent | 27657 |
| Formic acid | 1 | Mite Away II | Acaricide | 27836 |
| Iron phosphate (ferric phosphate) | 2 | NEU1165M | Molluscicide | 26102 |
| | | Safer's | Molluscicide | 26240 |
| Isopropyl (2E,4E,7S)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate (S-methoprene) | 9 | Vet-Kem Ovicollar for Cats | Insecticide | 23120 |
| | | Vet-Kem Ovicollar for Dogs | Insecticide | 23121 |
| | | Zodiac Collar for Cats | Insect growth regulator | 23852 |
| | | Zodiac Collar for Dogs | Insect growth regulator | 23853 |
| | | Hartz Reference 114 | Insecticide | 26255 |
| | | Hartz Control | Insecticide | 26491 |
| | | Zodiac Fleatrol | Insect growth regulator | 26496 |
| | | Vet-Kem Ovispot | Insect growth regulator, insecticide | 26497 |
| | | Pre-strike | Insect growth regulator | 28152 |
| Muscalure | 1 | Farnam Fly Terminator | Insecticide | 27438 |
| Piperine | 2 | Scentagone | Animal repellent | 25789 |

| Biopesticide | # of Products | Product Name | Product Type | Registration # |
|--|------------------------|---|------------------------|----------------|
| Piperine (cont'd) | | Havahart | Animal repellent | 25829 |
| p-Menthane-3,8-diol | 1 | OFF! | Insect repellent | 27194 |
| Putrescent whole egg solids | 3 | Deer-Away | Animal repellent | 17955 |
| | | Deer-Away Ready-to-Use | Animal repellent | 18122 |
| | | Horti-Kure | Animal repellent | 23455 |
| Soap | 21 | Safer's Insecticidal Soap Concentrate | Acaricide, insecticide | 14668 |
| | | Safer's Insecticidal Soap for Houseplants | Acaricide, insecticide | 16561 |
| | | Green Cross® Insecticidal Soap for Flowers & Vegetables | Acaricide, insecticide | 16607 |
| | | Safer's Flea Soap for Dogs | Insecticide | 17307 |
| | | Safer's Flea Soap for Cats | Insecticide | 17709 |
| | | Safer's De-Moss | Herbicide | 18141 |
| | | Safer's Rose & Flower Insecticide RTU | Acaricide, insecticide | 18355 |
| | | Safer's De-Moss Concentrate | Herbicide | 18418 |
| | | Safer's Aphid & Whitefly | Insecticide | 19444 |
| | | Safer's Spider Mite | Acaricide | 19445 |
| | | Safer's Rose & Flower | Acaricide, insecticide | 19929 |
| | | Safer's Rose & Flower Insecticide | Acaricide, insecticide | 20793 |
| | | Green Earth Insecticidal Soap | Acaricide, insecticide | 21111 |
| | | Green Earth Ready-to-spray Insecticidal Soap | Acaricide, insecticide | 21112 |
| | | Green Earth Indoor Insecticidal Soap | Acaricide, insecticide | 21113 |
| Green Earth Insecticidal Soap Hose Spray | Acaricide, insecticide | 21321 | | |
| Raid Insecticidal Soap | Insecticide | 21916 | | |

| Biopesticide | # of Products | Product Name | Product Type | Registration # |
|---------------------|----------------------|---|------------------------|-----------------------|
| Soap (cont'd) | | Safer's Insecticidal Soap Concentrate | Acaricide, insecticide | 22208 |
| | | Safer's Multi-Purpose Insecticidal Soap | Acaricide, insecticide | 22772 |
| | | Safer's Insecticidal Soap | Acaricide, insecticide | 23651 |
| | | Pro Insecticidal Soap | Insecticide | 27812 |
| Soybean oil | 4 | Blocker (oil) | Insect repellent | 25749 |
| | | Blocker (lotion) | Insect repellent | 25750 |
| | | Blocker (light herbal scent lotion) | Insect repellent | 25751 |
| | | Blocker (spray) | Insect repellent | 25752 |