1. Herbicides used in Ontario horticulture crops
**TABLE 1-1**

Herbicides used in Ontario horticulture crops

Mention of a brand or trade name in this table does not constitute a guarantee or warranty of the product. Always refer to the product label before using.

**LEGEND:**
- **DC** = dispersible concentrate
- **DF** = dry flowable
- **DG** = dry granules
- **DS** = dry soluble
- **EC** = emulsifiable concentrate
- **EM** = emulsion
- **F** = flowable
- **GI** = gel
- **Gr** = granular
- **Li** = liquid
- **ME** = microencapsulated suspension
- **PE** = pellets
- **PS** = pressurized spray
- **SC** = soluble concentrate
- **SG** = soluble granules
- **Sn** = solution
- **SP** = soluble powder
- **Su** = suspension (flowable)
- **WDG** = wettable dry granules
- **WG** = wettable granules
- **WP** = wettable powder
- **–** = not specified on label

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>TRADE NAME</th>
<th>FORMULATION</th>
<th>CONCENTRATION</th>
<th>WSSA GROUPS</th>
<th>PCP NUMBER</th>
<th>CLASS</th>
<th>TOXICITY RATING</th>
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<tbody>
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<td>1</td>
<td>2,4-D</td>
<td>2,4-D AMINE 600</td>
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1. The amount of active ingredient in the unit of formulated herbicide and expressed as grams active ingredient per litre of product or the percentage of active ingredient per mass of product.
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continued
### TABLE 1-1
Herbicides used in Ontario horticulture crops

<table>
<thead>
<tr>
<th>A. I. #</th>
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<th>TRADE NAME</th>
<th>FORMULATION</th>
<th>CONCENTRATION</th>
<th>WSSA GROUPS</th>
<th>PCP NUMBER</th>
<th>CLASS</th>
<th>TOXICITY RATING</th>
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<td>linuron</td>
<td>LOROX L</td>
<td>Li Su</td>
<td>480 g/L</td>
<td>7</td>
<td>16279</td>
<td>4</td>
<td>Low Toxicity</td>
</tr>
<tr>
<td>41</td>
<td>MCPA</td>
<td>MCPA AMINE 500</td>
<td>Sn</td>
<td>500 g/L</td>
<td>4</td>
<td>9516</td>
<td>4</td>
<td>Caution</td>
</tr>
<tr>
<td>41</td>
<td>MCPA</td>
<td>MCPA AMINE 500, IPCO</td>
<td>Sn</td>
<td>500 g/L</td>
<td>4</td>
<td>20308</td>
<td>4</td>
<td>Warning</td>
</tr>
<tr>
<td>41</td>
<td>MCPA</td>
<td>MCPA AMINE 500, NUFARM</td>
<td>Sn</td>
<td>500 g/L</td>
<td>4</td>
<td>14730</td>
<td>4</td>
<td>Warning</td>
</tr>
<tr>
<td>41</td>
<td>MCPA</td>
<td>MCPA AMINE 500, WEEDAWAY</td>
<td>Sn</td>
<td>500 g/L</td>
<td>4</td>
<td>21934</td>
<td>4</td>
<td>Warning</td>
</tr>
<tr>
<td>42</td>
<td>MCPA</td>
<td>MCPA AMINE 600, IPCO</td>
<td>Sn</td>
<td>600 g/L</td>
<td>4</td>
<td>31327</td>
<td>3</td>
<td>Warning</td>
</tr>
<tr>
<td>42</td>
<td>MCPA</td>
<td>MCPA AMINE 600, LOVELAND</td>
<td>Sn</td>
<td>600 g/L</td>
<td>4</td>
<td>31427</td>
<td>3</td>
<td>Warning</td>
</tr>
<tr>
<td>42</td>
<td>MCPA</td>
<td>MCPA AMINE 600, NUFARM</td>
<td>Sn</td>
<td>600 g/L</td>
<td>4</td>
<td>28384</td>
<td>3</td>
<td>Warning</td>
</tr>
<tr>
<td>42</td>
<td>MCPA</td>
<td>MCPA AMINE 600, WEEDAWAY</td>
<td>Sn</td>
<td>600 g/L</td>
<td>4</td>
<td>31430</td>
<td>3</td>
<td>Warning</td>
</tr>
</tbody>
</table>
The amount of active ingredient in the unit of formulated herbicide and expressed as grams active ingredient per litre of product or the percentage of active ingredient per mass of product.

Indicates the numeric grouping of herbicides by their site of action and by the Weed Science Society of America (WSSA): wssa.net/wp-content/uploads/WSSA-Mechanism-of-Action.pdf. Herbicide resistant weeds have historically been selected when herbicides with the same site of action are used repeatedly. Refer to Table 1–5, Counties with Confirmed Resistant Weed Populations, for a listing of herbicide resistant weeds in Ontario by WSSA group.

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**TABLE 1–1**

Herbicides used in Ontario horticulture crops

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>TRADE NAME</th>
<th>FORMULATION</th>
<th>CONCENTRATION</th>
<th>WSSA GROUPS</th>
<th>PCP NUMBER</th>
<th>CLASS</th>
<th>TOXICITY RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>43</td>
<td>MCPA</td>
<td>MCPA SODIUM 300</td>
<td>Sn</td>
<td>300 g/L</td>
<td>4</td>
<td>9858</td>
<td>4</td>
<td>Caution</td>
</tr>
<tr>
<td>43</td>
<td>MCPA</td>
<td>MCPA SODIUM 300, NUFARM</td>
<td>Sn</td>
<td>300 g/L</td>
<td>4</td>
<td>14718</td>
<td>4</td>
<td>Caution</td>
</tr>
<tr>
<td>44</td>
<td>MCPB/MCPA</td>
<td>CLOVITOX PLUS, IPCO</td>
<td>Li</td>
<td>400 g/L</td>
<td>4</td>
<td>22003</td>
<td>4</td>
<td>Danger</td>
</tr>
<tr>
<td>44</td>
<td>MCPB/MCPA</td>
<td>CLOVITOX PLUS, WEEDAWAY</td>
<td>Li</td>
<td>400 g/L</td>
<td>4</td>
<td>26488</td>
<td>4</td>
<td>Danger</td>
</tr>
<tr>
<td>44</td>
<td>MCPB/MCPA</td>
<td>TOPSIDE</td>
<td>Li</td>
<td>400 g/L</td>
<td>4</td>
<td>22003</td>
<td>4</td>
<td>Warning</td>
</tr>
<tr>
<td>44</td>
<td>MCPB/MCPA</td>
<td>TROPOTOX PLUS</td>
<td>Li</td>
<td>400 g/L</td>
<td>4</td>
<td>8211</td>
<td>4</td>
<td>Warning</td>
</tr>
<tr>
<td>45</td>
<td>mesotrione</td>
<td>CALLISTO</td>
<td>SC</td>
<td>480 g/L</td>
<td>27</td>
<td>27833</td>
<td>3</td>
<td>Low Toxicity</td>
</tr>
<tr>
<td>46</td>
<td>metam sodium</td>
<td>VAPAM HL</td>
<td>Li</td>
<td>380 g/L</td>
<td>27</td>
<td>29128</td>
<td>4</td>
<td>Caution</td>
</tr>
<tr>
<td>47</td>
<td>metribuzin</td>
<td>SENCOR 75 DF</td>
<td>WG</td>
<td>75%</td>
<td>5</td>
<td>17242</td>
<td>3</td>
<td>Low Toxicity</td>
</tr>
<tr>
<td>47</td>
<td>metribuzin</td>
<td>SQUADRON</td>
<td>WDG</td>
<td>75%</td>
<td>5</td>
<td>32081</td>
<td>3</td>
<td>Low Toxicity</td>
</tr>
<tr>
<td>47</td>
<td>metribuzin</td>
<td>TRICOR 75</td>
<td>DF</td>
<td>75%</td>
<td>5</td>
<td>30661</td>
<td>3</td>
<td>Low Toxicity</td>
</tr>
<tr>
<td>48</td>
<td>napropamide</td>
<td>DEVRINOL DF-XT</td>
<td>DF</td>
<td>50 DF</td>
<td>15</td>
<td>31081</td>
<td>4</td>
<td>Low Toxicity</td>
</tr>
<tr>
<td>49</td>
<td>nicosulfuron</td>
<td>ACCENT 75 DF</td>
<td>DF</td>
<td>75%</td>
<td>2</td>
<td>25116</td>
<td>3</td>
<td>Low Toxicity</td>
</tr>
<tr>
<td>50</td>
<td>oxadiazon</td>
<td>RONSTAR 2G</td>
<td>Gr</td>
<td>2%</td>
<td>14</td>
<td>23600</td>
<td>3</td>
<td>Caution</td>
</tr>
<tr>
<td>51</td>
<td>oxyfluorfen</td>
<td>GOAL 2XL</td>
<td>EC</td>
<td>240 g/L</td>
<td>14</td>
<td>24913</td>
<td>2</td>
<td>Danger</td>
</tr>
</tbody>
</table>

1 The amount of active ingredient in the unit of formulated herbicide and expressed as grams active ingredient per litre of product or the percentage of active ingredient per mass of product.

2 Indicates the numeric grouping of herbicides by their site of action and by the Weed Science Society of America (WSSA) wssa.net/wp-content/uploads/WSSA-Mechanism-of-Action.pdf. Herbicide resistant weeds have historically been selected when herbicides with the same site of action are used repeatedly. Refer to Table 1–5, Counties with Confirmed Resistant Weed Populations, for a listing of herbicide resistant weeds in Ontario by WSSA group.

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4 Refers to the numeric classification of pesticides under Regulation 63/09 of the Pesticides Act. Refer to: ontario.ca/page/classification-pesticides, for a description of each Ontario classification.
<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>TRADE NAME</th>
<th>FORMULATION</th>
<th>CONCENTRATION</th>
<th>WSSA GROUPS</th>
<th>PCP NUMBER</th>
<th>CLASS</th>
<th>TOXICITY RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>52</td>
<td>pendimethalin</td>
<td>PROWL H2O</td>
<td>ME</td>
<td>455 g/L</td>
<td>3</td>
<td>29542</td>
<td>2</td>
<td>Low Toxicity</td>
</tr>
<tr>
<td>53</td>
<td>prometryne</td>
<td>GESAGARD 480 SC</td>
<td>SC</td>
<td>480 g/L</td>
<td>5</td>
<td>24771</td>
<td>3</td>
<td>Caution</td>
</tr>
<tr>
<td>54</td>
<td>propyzamide</td>
<td>KERB SC</td>
<td>SC</td>
<td>400 g/L</td>
<td>15</td>
<td>30264</td>
<td>3</td>
<td>Caution</td>
</tr>
<tr>
<td>55</td>
<td>pyrazon</td>
<td>PYRAMIN FL</td>
<td>Su</td>
<td>430 g/L</td>
<td>5</td>
<td>15857</td>
<td>4</td>
<td>Caution</td>
</tr>
<tr>
<td>56</td>
<td>quizalofop-p-ethyl</td>
<td>ASSURE II</td>
<td>EC</td>
<td>96 g/L</td>
<td>1</td>
<td>25462</td>
<td>3</td>
<td>Low Toxicity</td>
</tr>
<tr>
<td>56</td>
<td>quizalofop-p-ethyl</td>
<td>YUMA GL</td>
<td>EC</td>
<td>96 g/L</td>
<td>1</td>
<td>30100</td>
<td>3</td>
<td>Low Toxicity</td>
</tr>
<tr>
<td>57</td>
<td>rimsulfuron</td>
<td>PRISM SG</td>
<td>SG</td>
<td>25%</td>
<td>2</td>
<td>30057</td>
<td>3</td>
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</tr>
<tr>
<td>58</td>
<td>saflufenacil</td>
<td>Eragon</td>
<td>SG</td>
<td>70%</td>
<td>14</td>
<td>29372</td>
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<td>Warning</td>
</tr>
<tr>
<td>59</td>
<td>saflufenacil</td>
<td>Eragon LQ</td>
<td>Su</td>
<td>342 g/L</td>
<td>14</td>
<td>31469</td>
<td>3</td>
<td>Warning</td>
</tr>
<tr>
<td>60</td>
<td>sethoxydim</td>
<td>POAST ULTRA</td>
<td>EC</td>
<td>450 g/L</td>
<td>1</td>
<td>24835</td>
<td>4</td>
<td>Warning</td>
</tr>
<tr>
<td>61</td>
<td>simazine</td>
<td>PRINCEP NINE-T</td>
<td>WG</td>
<td>90%</td>
<td>5</td>
<td>16370</td>
<td>3</td>
<td>Low Toxicity</td>
</tr>
<tr>
<td>62</td>
<td>simazine</td>
<td>SIMAZINE 480</td>
<td>Su</td>
<td>480 g/L</td>
<td>5</td>
<td>23181</td>
<td>3</td>
<td>Low Toxicity</td>
</tr>
<tr>
<td>63</td>
<td>simazine</td>
<td>SIMADEX</td>
<td>Su</td>
<td>500 g/L</td>
<td>5</td>
<td>15902</td>
<td>3</td>
<td>Low Toxicity</td>
</tr>
<tr>
<td>64</td>
<td>s-metolachlor</td>
<td>DUAL II MAGNUM</td>
<td>EC</td>
<td>915 g/L</td>
<td>15</td>
<td>18612</td>
<td>4</td>
<td>Warning</td>
</tr>
<tr>
<td>65</td>
<td>s-metolachlor/ atrazine</td>
<td>PRIMEXTRA II MAGNUM</td>
<td>SC</td>
<td>720 g/L (400/320)</td>
<td>15, 5</td>
<td>29538</td>
<td>3</td>
<td>Low Toxicity</td>
</tr>
<tr>
<td>66</td>
<td>s-metolachlor/ atrazine/ mesotrione</td>
<td>LUMAX EZ</td>
<td>Su</td>
<td>298 g/L + 112 g/L + 29.8 g/L</td>
<td>15, 5, 27</td>
<td>30864</td>
<td>3</td>
<td>Low Toxicity</td>
</tr>
<tr>
<td>67</td>
<td>sulfentrazone</td>
<td>AUTHORITY 480</td>
<td>Su</td>
<td>480 g/L</td>
<td>14</td>
<td>29012</td>
<td>3</td>
<td>Low Toxicity</td>
</tr>
<tr>
<td>68</td>
<td>terbacil</td>
<td>SINBAR WDG</td>
<td>WDG</td>
<td>80%</td>
<td>5</td>
<td>29349</td>
<td>3</td>
<td>Low Toxicity</td>
</tr>
<tr>
<td>69</td>
<td>thifensulfuron-methyl</td>
<td>PINNACLE SG</td>
<td>SG</td>
<td>50%</td>
<td>2</td>
<td>18612</td>
<td>4</td>
<td>Warning</td>
</tr>
<tr>
<td>70</td>
<td>topramezone</td>
<td>ARMEZON</td>
<td>SC</td>
<td>336 g/L</td>
<td>27</td>
<td>28141</td>
<td>3</td>
<td>Low Toxicity</td>
</tr>
<tr>
<td>70</td>
<td>topramezone</td>
<td>IMPACT</td>
<td>SC</td>
<td>336 g/L</td>
<td>27</td>
<td>28289</td>
<td>4</td>
<td>Warning</td>
</tr>
<tr>
<td>71</td>
<td>trifluralin</td>
<td>BONANZA 480</td>
<td>Li</td>
<td>480 g/L</td>
<td>3</td>
<td>23933</td>
<td>4</td>
<td>Warning</td>
</tr>
<tr>
<td>71</td>
<td>trifluralin</td>
<td>TREFLAN EC</td>
<td>EC</td>
<td>480 g/L</td>
<td>3</td>
<td>18612</td>
<td>4</td>
<td>Warning</td>
</tr>
<tr>
<td>72</td>
<td>trifluralin</td>
<td>RIVAL</td>
<td>EC</td>
<td>500 g/L</td>
<td>3</td>
<td>25813</td>
<td>3</td>
<td>Low Toxicity</td>
</tr>
<tr>
<td>73</td>
<td>triflusulfuron-methyl</td>
<td>UPBEET</td>
<td>DF</td>
<td>50%</td>
<td>2</td>
<td>29012</td>
<td>3</td>
<td>Low Toxicity</td>
</tr>
</tbody>
</table>
### TABLE 1-2

**Notes on herbicides used in Ontario horticulture crops sorted by active ingredient**

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2,4-D</td>
<td>564 g a.e./L</td>
<td>liquid</td>
<td>4</td>
</tr>
</tbody>
</table>

**Horticulture crop registrations:** asparagus, highbush blueberries, cranberries, raspberries, strawberries, bearing fruit trees including: apple, pear, peach, plum, apricot and cherries, potato (preharvest)

**Storage information:** Store at temperatures above 0°C.

**Notes about control:** Controls susceptible annual and perennial broadleaf weeds when emerged. This herbicide does not control weed species prior to their emergence.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,4 - D AMINE 600</td>
<td>5931</td>
<td>4</td>
<td>12 hr</td>
<td>LOVELAND PRODUCTS CANADA INC.</td>
</tr>
<tr>
<td>2,4 - D AMINE 600, IPCO</td>
<td>17511</td>
<td>4</td>
<td>12 hr</td>
<td>INTERPROVINCIAL CO-OP LTD.</td>
</tr>
<tr>
<td>2,4 - D AMINE 600, NUFARM</td>
<td>14726</td>
<td>4</td>
<td>12 hr</td>
<td>NUFARM AGRICULTURE INC.</td>
</tr>
<tr>
<td>2,4 - D AMINE 600, WEEDAWAY</td>
<td>26163</td>
<td>4</td>
<td>12 hr</td>
<td>INTERPROVINCIAL CO-OP LTD.</td>
</tr>
<tr>
<td>2,4 - D AMINE 600, IPCO</td>
<td>17511</td>
<td>4</td>
<td>12 hr</td>
<td>INTERPROVINCIAL CO-OP LTD.</td>
</tr>
<tr>
<td>2,4 - D AMINE 600, WEEDAWAY</td>
<td>26163</td>
<td>4</td>
<td>12 hr</td>
<td>INTERPROVINCIAL CO-OP LTD.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>acifluorfen</td>
<td>240 g/L</td>
<td>solution</td>
<td>14</td>
</tr>
</tbody>
</table>

**Horticulture crop registrations:** strawberries, sweet corn

**Storage information:** Store at temperatures above 0°C.

**Notes about control:** Controls susceptible annual broadleaf weeds when emerged and at the very small seedling stage (< 6-leaf). Will provide top growth control of some perennial weeds. This herbicide does not control weed species prior to their emergence.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>ULTRA BLAZER</td>
<td>32330</td>
<td>3</td>
<td>12 hr</td>
<td>UNITED PHOSPHORUS INC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>amitrole</td>
<td>240 g/L</td>
<td>liquid</td>
<td>11</td>
</tr>
</tbody>
</table>

**Horticulture crop registrations:** spruce bareroot nursery stock

**Storage information:** Store in a cool, dry, well ventilated space away from seed, fertilizer and other pesticides.

**Notes about control:** Controls many annual broadleaf weeds and grasses. Most crops are sensitive if contacted.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMITROL 240</td>
<td>25684</td>
<td>3</td>
<td>12 hr</td>
<td>NUFARM AGRICULTURE INC.</td>
</tr>
</tbody>
</table>
### TABLE 1-2
Notes on herbicides used in Ontario horticulture crops sorted by active ingredient *continued*

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>atrazine</td>
<td>480 g/L</td>
<td>liquid</td>
<td>5</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: sweet corn

Storage information: Does not need to be stored in a heated building, but it is preferred.

Notes about control: Controls susceptible broadleaf weeds and wild oats before or after they emerge.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>AATREX LIQUID 480</td>
<td>18450</td>
<td>3</td>
<td>12 hr</td>
<td>SYNGENTA CANADA INC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>bensulide</td>
<td>480 g/L</td>
<td>emulsifiable concentrate</td>
<td>8</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: cucumbers

Storage information: Store above 7°C. DO NOT FREEZE.

Notes about control: Controls susceptible grass weeds prior to emergence. This herbicide does not control grass weeds that have emerged.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>PREFAR 4.8-E HERBICIDE</td>
<td>14113</td>
<td>4</td>
<td>12 hr</td>
<td>GOWAN COMPANY L.L.C.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>bentazon</td>
<td>480 g/L</td>
<td>liquid</td>
<td>6</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: 12221: highbush blueberries, newly planted fruit trees—apple, apricot, cherry, peach, pear, nectarine, peas, snow peas and sweet corn (directed use only); 22006: peas and sweet corn

Storage information: Does not need to be stored in a heated building, but it is preferred.

Notes about control: Controls susceptible broadleaf weeds when they are emerged, small and actively growing. This herbicide does not control weed species prior to their emergence.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>BASAGRAN</td>
<td>12221</td>
<td>4</td>
<td>12 hr</td>
<td>BASF CANADA INC.</td>
</tr>
<tr>
<td>BASAGRAN FORTE</td>
<td>22006</td>
<td>4</td>
<td>12 hr</td>
<td>BASF CANADA INC.</td>
</tr>
<tr>
<td>BROADLOOM</td>
<td>32661</td>
<td>4</td>
<td>12hr</td>
<td>UNITED PHOSPHORUS INC</td>
</tr>
</tbody>
</table>
## TABLE 1-2
Notes on herbicides used in Ontario horticulture crops sorted by active ingredient continued

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>bicyclopyrone</td>
<td>7.1 g/L</td>
<td>suspension</td>
<td>27</td>
</tr>
<tr>
<td></td>
<td>mesotrione</td>
<td>28.5 g/L</td>
<td></td>
<td>27</td>
</tr>
<tr>
<td></td>
<td>s-metolachlor</td>
<td>257 g/L</td>
<td></td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>atrazine</td>
<td>120 g/L</td>
<td></td>
<td>5</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: sweet corn

Storage information: Avoid storing ACURON Herbicide below -7°C.

Notes about control: Controls susceptible broadleaf weeds before or after they emerge. Susceptible grassy weeds are best controlled prior to emergence but most species are susceptible up to the 2-leaf stage.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACURON HERBICIDE</td>
<td>31846</td>
<td>3</td>
<td>12 hr</td>
<td>SYNGENTA CANADA INC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>bromoxynil</td>
<td>235 g/L</td>
<td>emulsifiable concentrate</td>
<td>6</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: dry bulb onions, garlic, sweet corn

Storage information: Store above 7°C. DO NOT FREEZE.

Notes about control: Controls susceptible broadleaf weeds when they are emerged, small and actively growing. This herbicide does not control weed species prior to their emergence.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>KORIL 235</td>
<td>25341</td>
<td>4</td>
<td>24 hr</td>
<td>NUFARM AGRICULTURE INC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>bromoxynil</td>
<td>240 g/L</td>
<td>emulsifiable concentrate</td>
<td>6</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: dry bulb onions, garlic, sweet corn

Storage information: Store above 7°C. DO NOT FREEZE.

Notes about control: Controls susceptible broadleaf weeds when they are emerged, small and actively growing. This herbicide does not control weed species prior to their emergence.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>BROMOTRIL 240 EC</td>
<td>28276</td>
<td>4</td>
<td>24 hr</td>
<td>ADAMA CANADA LTD.</td>
</tr>
<tr>
<td>BROTEx 240, IPco</td>
<td>28519</td>
<td>4</td>
<td>24 hr</td>
<td>INTERPROVINCIAL CO-OP LTD.</td>
</tr>
<tr>
<td>BROTEx 240, WEEDaway</td>
<td>30010</td>
<td>4</td>
<td>24 hr</td>
<td>INTERPROVINCIAL CO-OP LTD.</td>
</tr>
</tbody>
</table>
TABLE 1–2
Notes on herbicides used in Ontario horticulture crops sorted by active ingredient

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>bromoxynil</td>
<td>280 g/L</td>
<td>emulsifiable concentrate</td>
<td>6</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: dry bulb onions, garlic, sweet corn

Storage information: Store above 7°C. DO NOT FREEZE.

Notes about control: Controls susceptible broadleaf weeds when they are emerged, small and actively growing. This herbicide does not control weed species prior to their emergence.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>PARDNER</td>
<td>18001</td>
<td>4</td>
<td>24 hr</td>
<td>BAYER CROPSCIENCE INC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>bromoxynil</td>
<td>480 g/L</td>
<td>emulsifiable concentrate</td>
<td>6</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: dry bulb onions, garlic, sweet corn

Storage information: Store above 7°C. DO NOT FREEZE.

Notes about control: Controls susceptible broadleaf weeds when they are emerged, small and actively growing. This herbicide does not control weed species prior to their emergence.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>BROMAX</td>
<td>31431</td>
<td>4</td>
<td>24 hr</td>
<td>LOVELAND PRODUCTS CANADA INC.</td>
</tr>
<tr>
<td>BROTEx 480, IPCO</td>
<td>31348</td>
<td>4</td>
<td>24 hr</td>
<td>INTERPROVINCIAL CO-OP LTD.</td>
</tr>
<tr>
<td>BROTEx 480, WEEDAWAY</td>
<td>31429</td>
<td>4</td>
<td>24 hr</td>
<td>INTERPROVINCIAL CO-OP LTD.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>bromoxynil</td>
<td>280 g/L</td>
<td>emulsifiable concentrate</td>
<td>6</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: sweet corn

Storage information: Does not need to be stored in a heated building, but it is preferred.

Notes about control: Controls susceptible broadleaf weeds when they are emerged, small and actively growing. This herbicide does not control weed species prior to their emergence.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUCTRIL M</td>
<td>18022</td>
<td>3</td>
<td>24 hr</td>
<td>BAYER CROPSCIENCE INC.</td>
</tr>
</tbody>
</table>
TABLE 1-2
Notes on herbicides used in Ontario horticulture crops sorted by active ingredient continued

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>carfentrazone-ethyl</td>
<td>280 g/L</td>
<td>emulsifiable concentrate</td>
<td>14</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: Registered on most horticulture crops as a hooded sprayer application (see label for a complete list). Registered for sucker control in hops, caneberries, tree fruit, tree nuts, grapes and field grown woody ornamentals.

Storage information: Does not need to be stored in a heated building, but it is preferred.

Notes about control: Controls susceptible broadleaf weeds when they are emerged, small and actively growing. This herbicide does not control weed species prior to their emergence.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIM EC</td>
<td>28573</td>
<td>3</td>
<td>12 hr</td>
<td>FMC CORPORATION</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>chlorthal dimethyl</td>
<td>75%</td>
<td>wettable powder</td>
<td>3</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: broccoli, Brussels sprouts, cabbage, cauliflower, cucumbers, eggplant, flower gardens, garlic, nursery stock, ornamental plantings, onions, peppers, seeded melons (cantaloupe, watermelon), strawberries, sweet potatoes, squash (summer and winter), tomatoes

Storage information: Store at any temperature.

Notes about control: Must be applied prior to weed seed germination. Depending on the crop, may be applied preplant incorporated, pre-emergence, post-emergence or post transplant to the crop.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>DACTHAL W-75</td>
<td>8963</td>
<td>3</td>
<td>12 hr</td>
<td>AMVAC CHEMICAL CORPORATION</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>clethodim</td>
<td>240 g/L</td>
<td>emulsifiable concentrate</td>
<td>2</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: carrot, certain herbs and spices, cherry, coriander, cranberry, dill, dry bulb onions, fenugreek, garlic, highbush blueberries, hops, parsnips, peas, potatoes, radish, red beets, shallots, snow peas, spinach

Storage information: Does not need to be stored in a heated building, but it is preferred.

Notes about control: Clethodim will control susceptible grassy weeds when they are emerged. An adjuvant must be mixed with this active ingredient in order to achieve acceptable control.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>SELECT</td>
<td>22625</td>
<td>3</td>
<td>12 hr</td>
<td>ARYSTA LIFE SCIENCE</td>
</tr>
<tr>
<td>ARROW 240 EC</td>
<td>28224</td>
<td>3</td>
<td>12 hr</td>
<td>ADAMA CANADA LTD.</td>
</tr>
<tr>
<td>CENTURION</td>
<td>27598</td>
<td>3</td>
<td>12 hr</td>
<td>BAYER CROPSCIENCE INC.</td>
</tr>
</tbody>
</table>
### TABLE 1-2
Notes on herbicides used in Ontario horticulture crops sorted by active ingredient continued

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>clomazone</td>
<td>240 g/L</td>
<td>microencapsulated suspension</td>
<td>13</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: asparagus, cilantro, field cucumbers, melons, peppers, processing pumpkins, sweet potatoes, squash

Storage information: Store above 5°C to keep product from freezing.

Notes about control: Controls susceptible broadleaf and grassy weeds prior to their emergence. Susceptible weeds may emerge from the soil but are devoid of pigmentation and plant death occurs in a short period of time. Any off-target movement will cause bleaching on susceptible plants.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMMAND 360 ME</td>
<td>27827</td>
<td>3</td>
<td>12 hr</td>
<td>ARYSTA LIFE SCIENCE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
<td>clopyralid</td>
<td>360 g/L</td>
<td>liquid</td>
<td>4</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: apples, balsam fir Christmas tree plantations, cranberry, cole crops, highbush blueberries, poplar species and their hybrids, rutabaga, shelterbelts, strawberry, sugar beet, turnip

Storage information: Store in a heated building.

Notes about control: Clopyralid will control susceptible broadleaf weeds when they are emerged.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>LONTREL 360</td>
<td>23545</td>
<td>3</td>
<td>12 hr</td>
<td>DOW AGROSCIENCES CANADA INC.</td>
</tr>
<tr>
<td>LONTREL XC</td>
<td>32795</td>
<td>3</td>
<td>12 hr</td>
<td>DOW AGROSCIENCES CANADA INC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>dazomet</td>
<td>97%</td>
<td>granular</td>
<td>27</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: field seedbeds for conifer and deciduous nurseries, flowers, forest nurseries, ornamentals, vegetables

Storage information: Store in cool, dry, well ventilated area without a floor drain.

Notes about control: For the control of soil-borne nematodes, soil fungi and germinating weed seeds. It is suitable for the fumigation of open land and all kinds of seedbeds for nurseries and greenhouses.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>BASAMID</td>
<td>15032</td>
<td>3</td>
<td>see label</td>
<td>ENGAGE AGRO CORPORATION</td>
</tr>
</tbody>
</table>
### TABLE 1-2
Notes on herbicides used in Ontario horticulture crops sorted by active ingredient *continued*

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>desmedipham/phenmedipham</td>
<td>153/153 g a.e./L</td>
<td>emulsifiable concentrate</td>
<td>5</td>
</tr>
</tbody>
</table>

- **Horticulture crop registrations:** newly planted June bearing strawberries, red beets, sugar beet
- **Storage information:** Store above 0°C.
- **Notes about control:** Desmedipham/phenmedipham is a selective post-emergent herbicide.

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>dichlobenil</td>
<td>4%</td>
<td>granular</td>
<td>20</td>
</tr>
</tbody>
</table>

- **Horticulture crop registrations:** container nursery stock, established woody ornamentals, nurseries, shelterbelts, hedgerows, windbreaks, poplar plantations, fruit trees and fruit tree nurseries, highbush blueberries, grapes, raspberries, saskatoons
- **Storage information:** Do not store in direct sunlight. Do not store above 35°C or below 0°C.
- **Notes about control:** Dichlobenil controls broad leaved and grassy weeds at weed germination and weed growth initiation.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>BETAMIX B</td>
<td>28650</td>
<td>2</td>
<td>24 hr</td>
<td>BAYER CROPCIENCE INC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>dimethenamid-p</td>
<td>720 g/L</td>
<td>emulsifiable concentrate</td>
<td>15</td>
</tr>
</tbody>
</table>

- **Horticulture crop registrations:** commercial ornamental production, grapes, onions (dry bulb and green), potatoes, sweet corn, transplanted cabbage
- **Storage information:** Store above 5°C.
- **Notes about control:** Susceptible grassy weeds are best controlled prior to emergence but most species are susceptible up to the 2-leaf stage.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>CASORON</td>
<td>12533</td>
<td>4</td>
<td>12 hr</td>
<td>ARYSTA LIFESCIENCE CANADA INC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>29</td>
<td>Frontier Max</td>
<td>29194</td>
<td>24 hr</td>
<td>BASF CANADA INC.</td>
</tr>
</tbody>
</table>
### TABLE 1-2
Notes on herbicides used in Ontario horticulture crops sorted by active ingredient

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>22</td>
<td>dimethenamid-p</td>
<td>720 g/L</td>
<td>emulsifiable concentrate</td>
<td>15</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: potato

Storage information: Store above 5°C.

Notes about control: Susceptible grassy weeds are best controlled prior to emergence but most species are susceptible up to the 2-leaf stage.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUTLOOK</td>
<td>30947</td>
<td>3</td>
<td>24 hr</td>
<td>BASF CANADA INC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>23</td>
<td>dimethenamid-p</td>
<td>630 g/L</td>
<td>emulsifiable concentrate</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>topramezone</td>
<td>12.5 g/L</td>
<td></td>
<td>27</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: sweet corn

Storage information: Does not need to be stored in a heated building, but it is preferred.

Notes about control: Controls emerged susceptible broadleaf weeds. Susceptible grassy weeds are best controlled prior to emergence but most species are susceptible up to the 2-leaf stage.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARMEZON PRO</td>
<td>32148</td>
<td>3</td>
<td>24 hr</td>
<td>BASF CANADA INC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>diquat</td>
<td>240 g/L</td>
<td>liquid</td>
<td>22</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: potato dessication

Storage information: Store above 0°C.

Notes about control: For potato dessication prior to harvest.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>REGLONE DESICCANT</td>
<td>26396</td>
<td>4</td>
<td>24 hr</td>
<td>SYNGENTA CANADA INC.</td>
</tr>
</tbody>
</table>
## TABLE 1-2

### Notes on herbicides used in Ontario horticulture crops sorted by active ingredient continued

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>diuron</td>
<td>80%</td>
<td>dry flowable/wettable granules</td>
<td>7</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: asparagus, grapes

Storage information: Store away from other pesticides, fertilizer, food or feed.

Notes about control: An effective soil applied herbicide for the control of many annual and perennial broad leaved and grassy weeds.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>KARDEX DF</td>
<td>28543</td>
<td>3</td>
<td>12 hr</td>
<td>ADAMA CANADA LTD.</td>
</tr>
<tr>
<td>DIUREX 80 WDG</td>
<td>28107</td>
<td>3</td>
<td>12 hr</td>
<td>ADAMA CANADA LTD.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>26</td>
<td>EPTC</td>
<td>800 g/L</td>
<td>emulsifiable concentrate</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: rutabagas, sugar beet

Storage information: Can be stored at temperatures as low as -45°C.

Notes about control: Controls susceptible broadleaf and grassy weeds before they emerge.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPTAM LIQUID EC</td>
<td>11284</td>
<td>4</td>
<td>24 hr</td>
<td>GOWAN COMPANY L.L.C.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>27</td>
<td>ethametsulfuron-methyl</td>
<td>75%</td>
<td>dry flowable</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: rutabaga

Storage information: Does not need to be stored in a heated building, but it is preferred.

Notes about control: Controls susceptible broadleaf weeds after they emerge.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSTER</td>
<td>23569</td>
<td>4</td>
<td>12 hr</td>
<td>FMC CORPORATION</td>
</tr>
</tbody>
</table>

continued
### TABLE 1–2

Notes on herbicides used in Ontario horticulture crops sorted by active ingredient

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>28</td>
<td>ethofumesate</td>
<td>480 g/L</td>
<td>suspension</td>
<td>16</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: sugar beet
Storage information: Store in a cool place above 0°C.
Notes about control: Selective soil applied herbicide that controls certain broad-leaved and grassy weeds with up to 10 weeks of control.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>NORTRON</td>
<td>17293</td>
<td>3</td>
<td>12 hr</td>
<td>BAYER CROPSCIENCE INC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>29</td>
<td>flazasulfuron</td>
<td>25%</td>
<td>wettable granules</td>
<td>2</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: conifer trees field and container grown (ornamental, Christmas trees), grapes
Storage information: Store in a cool, dry, secure and well ventilated area.
Notes about control: for pre-emergence and post-emergence control of grassy and broadleaf weeds.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHIKARA 25WG</td>
<td>33130</td>
<td>3</td>
<td>12 hr</td>
<td>ISK BIOSCIENCES CORPORATION</td>
</tr>
<tr>
<td>KATANA 25WG</td>
<td>33129</td>
<td>3</td>
<td>12 hr</td>
<td>ISK BIOSCIENCES CORPORATION</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>fluazifop-p-butyl</td>
<td>125 g/L</td>
<td>emulsifiable concentrate</td>
<td>1</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: asparagus, blackberry, carrots, cole crops, cranberry, cucumber, fruit trees, highbush blueberry, garlic, onion, green onion, pearl onion, shallots, lettuce (leaf and head) ornamentals (plants, shrubs, trees, forest, ornamental nurseries), pea, potato, raspberry, rhubarb, rutabaga, strawberry, sugar beet, tomato
Storage information: Does not need to be stored in a heated building, but it is preferred.
Notes about control: Controls emerged susceptible broadleaf weeds.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>VENTURE L</td>
<td>21209</td>
<td>2</td>
<td>12 hr</td>
<td>SYNGENTA CANADA INC.</td>
</tr>
</tbody>
</table>
TABLE 1–2
Notes on herbicides used in Ontario horticulture crops sorted by active ingredient \textit{continued}

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>31</td>
<td>flumioxazin</td>
<td>51.1%</td>
<td>water dispersible granules</td>
<td>14</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: asparagus, broccoli, crop subgroup 13-07A: caneberry, dry bulb onion, established mint (peppermint and spearmint), highbush blueberry, field pepper, grape, nut trees (including almond, beech nut, bur oak, butternut, cashew, chestnut, chinquapin, filbert [hazelnut], ginko, heart nut, hickory nut, Japanese horse-chestnut, monkey puzzle, pecan, pine nuts, walnut [black and English], yellowhorn, cultivars and varieties and/or hybrids of these, pome fruit (apple and pear), strawberry, stone fruit (peach, cherry, nectarine, plum, and apricot), sweet potato

Storage information: Does not need to be stored in a heated building, but it is preferred.

Notes about control: Controls susceptible grass and broadleaf weeds before they emerge.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHATEAU</td>
<td>29231</td>
<td>4</td>
<td>12 hr</td>
<td>VALENT CANADA INC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>32</td>
<td>flumioxazin</td>
<td>51.1%</td>
<td>water dispersible granules</td>
<td>14</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: field-grown ornamental deciduous and coniferous trees including Christmas trees and trees produced for reforestation, poplar, willow and aspen produced for short-rotation-intensive-culture, and to maintain bare ground non-crop areas in and around ornamental nurseries

Storage information: Does not need to be stored in a heated building, but it is preferred.

Notes about control: Controls susceptible grass and broadleaf weeds before they emerge.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUREGUARD</td>
<td>29236</td>
<td>4</td>
<td>12 hr</td>
<td>VALENT CANADA INC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>33</td>
<td>fomesafen</td>
<td>240 g/L</td>
<td>liquid</td>
<td>14</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: cucumber, pea, potato, snap bean, strawberry

Storage information: Does not need to be stored in a heated building, but it is preferred.

Notes about control: Controls both emerged and un-emerged susceptible broadleaf weeds. A non-ionic adjuvant (Agral 90) must be added to Reflex in order to achieve control.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>REFLEX</td>
<td>24779</td>
<td>3</td>
<td>12 hr</td>
<td>SYNGENTA CANADA INC.</td>
</tr>
</tbody>
</table>

\textit{continued}
### TABLE 1–2
Notes on herbicides used in Ontario horticulture crops sorted by active ingredient *continued*

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>34</td>
<td>glufosinate ammonium</td>
<td>150 g/L</td>
<td>liquid</td>
<td>2</td>
</tr>
</tbody>
</table>

**Horticulture crop registrations:** directed applications in apple, apricot, highbush blueberry, grape, nectarine, peach, pear, plum, raspberry, sweet and sour cherry and tree nuts. Stale seedbed technique in asparagus, carrot, lettuce and onion. Ground crack application in potato.

**Storage information:** Do not store at temperatures at or below 0°C.

**Notes about control:** Will uniformly dry down crops and weeds, facilitating harvest and preventing bean staining. Speed of action is reduced at cool temperatures (below 10°C), poor moisture and low humidity.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>IGNITE SN</td>
<td>28532</td>
<td>4</td>
<td>12 hr</td>
<td>BASF CANADA INC.</td>
</tr>
</tbody>
</table>

**A. I. #** | **ACTIVE INGREDIENT (A.I.)** | **CONCENTRATION** | **FORMULATION** | **WSSA GROUP** |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>glyphosate</td>
<td>360, 450, 480, 540 g/L</td>
<td>liquid, solution</td>
<td>9</td>
</tr>
</tbody>
</table>

**Horticulture crop registrations:** Preplant or postharvest with no cropping restrictions. Directed applications in apple, cherry, ginseng, grape, peach, pear, plum, strawberry (as wiper or spot treatment), tree nuts, woody nursery stock, shelterbelts, forest tree plantings and nurseries. Can be applied postemergence to glyphosate tolerant sugar beet cultivars.

**Storage information:** Does not need to be stored in a heated building, but it is preferred.

**Notes about control:** Controls emerged susceptible broadleaf and grassy weeds.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CONCENTRATION</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLYFOS¹</td>
<td>24359</td>
<td>360 g/L</td>
<td>4</td>
<td>12 hr</td>
<td>FMC CORPORATION</td>
</tr>
<tr>
<td>CREDIT 45¹</td>
<td>29124</td>
<td>450 g/L</td>
<td>4</td>
<td>12 hr</td>
<td>NUFARM AGRICULTURE INC.</td>
</tr>
<tr>
<td>MATRIX¹</td>
<td>29775</td>
<td>480 g/L</td>
<td>4</td>
<td>12 hr</td>
<td>INTERPROVINCIAL CO-OP LTD.</td>
</tr>
<tr>
<td>VP480¹</td>
<td>28840</td>
<td>480 g/L</td>
<td>4</td>
<td>12 hr</td>
<td>DOW AGROSCIENCES CANADA INC.</td>
</tr>
<tr>
<td>CREDIT XTREME¹</td>
<td>29124</td>
<td>540 g/L</td>
<td>4</td>
<td>12 hr</td>
<td>NUFARM AGRICULTURE INC.</td>
</tr>
<tr>
<td>DUPONT POLARIS MAX</td>
<td>32504</td>
<td>540 g/L</td>
<td>4</td>
<td>12 hr</td>
<td>E.I. DUPONT CANADA INC.</td>
</tr>
<tr>
<td>FACTOR 540, IPCO</td>
<td>27988</td>
<td>540 g/L</td>
<td>4</td>
<td>12 hr</td>
<td>INTERPROVINCIAL CO-OP LTD.</td>
</tr>
<tr>
<td>ROUNDFP TRANSORB HC</td>
<td>28198</td>
<td>540 g/L</td>
<td>4</td>
<td>12 hr</td>
<td>MONSANTO CANADA INC.</td>
</tr>
<tr>
<td>ROUNDFP WEATHERMAX</td>
<td>27487</td>
<td>540 g/L</td>
<td>4</td>
<td>12 hr</td>
<td>MONSANTO CANADA INC.</td>
</tr>
</tbody>
</table>

¹ Not labelled for use on Roundup Ready sugar beet.
### TABLE 1–2
Notes on herbicides used in Ontario horticulture crops sorted by active ingredient *continued*

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>36</td>
<td>halosulfuron</td>
<td>72.6%</td>
<td>liquid</td>
<td>2</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: apple, asparagus, cucumber, eggplant, ground cherry, melon, okra, pepper, pumpkin, snap bean, squash, tomato, tomatillo, tree nuts

Storage information: Does not need to be stored in a heated building, but it is preferred.

Notes about control: Controls susceptible broadleaf and grassy weeds before and after they have emerged. In other words, this herbicide provides both contact and residual weed control.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>SANDEA WG</td>
<td>31209</td>
<td>3</td>
<td>12 hr</td>
<td>CANYON GROUP L.L.C.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>37</td>
<td>imazethapyr</td>
<td>240 g/L</td>
<td>solution</td>
<td>2</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: processing peas, snap beans, snow peas

Storage information: Do not store at temperatures at or below 0°C.

Notes about control: With early pre-plant and pre-emergent treatments, susceptible weeds emerge, are present as stunted plants and then die. When applied post-emergence, absorption may occur through both the roots and foliage. Susceptible weeds stop growing and eventually die.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>PURSUIT</td>
<td>21537</td>
<td>2</td>
<td>12 hr</td>
<td>BASF CANADA INC.</td>
</tr>
<tr>
<td>PHANTOM</td>
<td>30017</td>
<td>2</td>
<td>12 hr</td>
<td>ADAMA CANADA LTD.</td>
</tr>
<tr>
<td>NU-IMAGE</td>
<td>30420</td>
<td>2</td>
<td>12 hr</td>
<td>NUFARM AGRICULTURE INC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>38</td>
<td>indaziflam</td>
<td>200 g/L</td>
<td>soluble concentrate</td>
<td>29</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: bushberries (highbush blueberries, currants, gooseberries, elderberries, Saskatoon berries, lingonberry, sea buckthorn), caneberrys (blackberries, raspberries, loganberries) grapes, hops, pome fruit, stone fruit, tree nuts

Storage information: Do not store at temperatures at or below 0°C.

Notes about control: Selective pre-emergence herbicide for control of many annual grasses and broadleaf weeds.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALION 200 SC</td>
<td>30451</td>
<td>3</td>
<td>12 hr</td>
<td>BAYER CROPSCIENCE INC.</td>
</tr>
</tbody>
</table>

*continued*
## TABLE 1–2
Notes on herbicides used in Ontario horticulture crops sorted by active ingredient **continued**

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>38</td>
<td>Indaziflam</td>
<td>75%</td>
<td>solution</td>
<td>29</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: field grown ornamentals (see the label for a list of species and their cultivars)
Storage information: do not store at temperatures at or below 0°C.
Notes about control: selective pre-emergence herbicide for control of many annual grasses and broadleaf weeds.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPECTICLE FLO</td>
<td>32803</td>
<td>3</td>
<td>12 hr</td>
<td>BAYER CROPSCIENCE INC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>38</td>
<td>Indaziflam</td>
<td>0.0024%</td>
<td>granular</td>
<td>29</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: container grown ornamentals (see the label for a list of species and their cultivars)
Storage information: do not store at temperatures at or below 0°C.
Notes about control: selective pre-emergence herbicide for control of many annual grasses and broadleaf weeds.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPECTICLE G</td>
<td>32804</td>
<td>3</td>
<td>12 hr</td>
<td>BAYER CROPSCIENCE INC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>38</td>
<td>Isoxaben</td>
<td>75%</td>
<td>dry flowable</td>
<td>21</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: conifer bareroot and container nursery stock for listed trees, shrubs and groundcovers grown for silviculture purposes, and containerized ornamentals grown in nurseries
Storage information: Do not store in direct sunlight. Do not store at temperatures above 45°C.
Notes about control: A selective pre-emergent herbicide for certain broadleaved weeds.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>GALLERY</td>
<td>24110</td>
<td>3</td>
<td>12 hr</td>
<td>DOW AGROSCIENCES CANADA INC.</td>
</tr>
</tbody>
</table>
### TABLE 1-2

Notes on herbicides used in Ontario horticulture crops sorted by active ingredient *continued*

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>linuron</td>
<td>480 g/L</td>
<td>liquid suspension</td>
<td>6</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: PRE: asparagus, carrot, dill, parsnip and sweet corn; POST: carrot, celery, coriander, dill, fruit trees (apple, cherry, peach, pear, plum), parsnip, saskatoon berry, shelterbelts

Storage information: Do not store at temperatures at or below 0°C.

Notes about control: When activated by rainfall susceptible grassy and broadleaf weed seedlings that have germinated will be controlled.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOROX L</td>
<td>16279</td>
<td>2</td>
<td>12 hr</td>
<td>TESSENDERLO KERLEY INC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>41</td>
<td>MCPA</td>
<td>500 g a.e./L</td>
<td>liquid</td>
<td>4</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: asparagus, peas, sweet corn

Storage information: Store at temperatures above 0°C.

Notes about control: Controls susceptible annual and perennial broadleaf weeds when emerged. This herbicide does not control weed species prior to their emergence.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CONCENTRATION</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCPA AMINE 500</td>
<td>9516</td>
<td>360 g/L</td>
<td>4</td>
<td>12 hr</td>
<td>LOVELAND PRODUCTS CANADA INC.</td>
</tr>
<tr>
<td>MCPA AMINE 500, IPCO</td>
<td>20308</td>
<td>450 g/L</td>
<td>4</td>
<td>12 hr</td>
<td>INTERPROVINCIAL CO-OP LTD.</td>
</tr>
<tr>
<td>MCPA AMINE 500, NUFARM</td>
<td>14730</td>
<td>480 g/L</td>
<td>4</td>
<td>12 hr</td>
<td>NUFARM AGRICULTURE INC.</td>
</tr>
<tr>
<td>MCPA AMINE 500, WEEDAWAY</td>
<td>21934</td>
<td>480 g/L</td>
<td>4</td>
<td>12 hr</td>
<td>INTERPROVINCIAL CO-OP LTD.</td>
</tr>
</tbody>
</table>
## TABLE 1-2
Notes on herbicides used in Ontario horticulture crops sorted by active ingredient continued

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
<td>MCPA</td>
<td>600 g a.e./L</td>
<td>liquid</td>
<td>4</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: peas, sweet corn
Storage information: Store at temperatures above 0°C.
Notes about control: Controls susceptible annual and perennial broadleaf weeds when emerged. This herbicide does not control weed species prior to their emergence.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCPA AMINE 600</td>
<td>31432</td>
<td>3</td>
<td>12 hr</td>
<td>LOVELAND PRODUCTS CANADA INC.</td>
</tr>
<tr>
<td>MCPA AMINE 600, IPCO</td>
<td>31327</td>
<td>3</td>
<td>12 hr</td>
<td>INTERPROVINCIAL CO-OP LTD.</td>
</tr>
<tr>
<td>MCPA AMINE 600, NUFARM</td>
<td>28384</td>
<td>3</td>
<td>12 hr</td>
<td>NUFARM AGRICULTURE INC.</td>
</tr>
<tr>
<td>MCPA AMINE 600, WEEDAWAY</td>
<td>31430</td>
<td>3</td>
<td>12 hr</td>
<td>INTERPROVINCIAL CO-OP LTD.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>43</td>
<td>MCPA</td>
<td>300 g a.e./L</td>
<td>emulsifiable concentrate</td>
<td>4</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: peas, sweet corn
Storage information: Do not store at temperatures at or below 0°C.
Notes about control: Controls susceptible annual and perennial broadleaf weeds when emerged. This herbicide does not control weed species prior to their emergence.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCPA SODIUM 300, NUFARM</td>
<td>9858</td>
<td>4</td>
<td>12 hr</td>
<td>NUFARM AGRICULTURE INC.</td>
</tr>
<tr>
<td>MCPA SODIUM 300</td>
<td>14718</td>
<td>4</td>
<td>12 hr</td>
<td>LOVELAND PRODUCTS CANADA INC.</td>
</tr>
</tbody>
</table>
## TABLE 1-2

Notes on herbicides used in Ontario horticulture crops sorted by active ingredient

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>44</td>
<td>MCPB</td>
<td>375 g a.e./L</td>
<td>liquid</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>MCPA</td>
<td>25 g a.e./L</td>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: peas

Storage information: Do not store at temperatures at or below 0°C.

Notes about control: Controls susceptible annual and perennial broadleaf weeds when emerged. This herbicide does not control weed species prior to their emergence.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>TROPOTOX PLUS 400</td>
<td>8211</td>
<td>4</td>
<td>12 hr</td>
<td>NUFARM AGRICULTURE INC.</td>
</tr>
<tr>
<td>TOPSIDE</td>
<td>14718</td>
<td>4</td>
<td>12 hr</td>
<td>LOVELAND PRODUCTS CANADA INC.</td>
</tr>
<tr>
<td>CLOVITOX PLUS, IPCO</td>
<td>22003</td>
<td>4</td>
<td>12 hr</td>
<td>INTERPROVINCIAL CO-OP LTD.</td>
</tr>
<tr>
<td>CLOVITOX PLUS, WEEDAWAY</td>
<td>26489</td>
<td>4</td>
<td>12 hr</td>
<td>INTERPROVINCIAL CO-OP LTD.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>mesotrione</td>
<td>480 g/L</td>
<td>suspension</td>
<td>27</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: PRE: asparagus, cranberry, highbush blueberry, rhubarb, sweet corn

Storage information: Does not need to be stored in a heated building, but it is preferred.

Notes about control: Has residual soil activity that will control germinated susceptible broadleaf weed seedlings during pre-emergent applications. Is absorbed through the leaves and is rapidly translocated to the plant’s growing points when applied to emerged sensitive broadleaf weeds.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>CALLISTO 480SC</td>
<td>27833</td>
<td>3</td>
<td>12 hr</td>
<td>SYNGENTA CANADA INC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>46</td>
<td>metam sodium</td>
<td>42%</td>
<td>liquid</td>
<td>27</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: field and greenhouse seedbeds, potting soil, field-re-plant sites of fruits, vegetables, ornamentals and forest-tree stock

Storage information: Protect from temperatures below -17°C.

Notes about control: When applied to properly prepared soil, the liquid is converted into a gaseous fumigant. After sufficient interval of time, the fumigant dissipates leaving the soil ready for planting. It controls germinating weed seeds, soil borne fungus diseases, nematodes, etc.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>VAPAM HL</td>
<td>29128</td>
<td>4</td>
<td>see label</td>
<td>CHEMICAL CORPORATION</td>
</tr>
</tbody>
</table>
**TABLE 1–2**

Notes on herbicides used in Ontario horticulture crops sorted by active ingredient *continued*

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>47</td>
<td>metribuzin</td>
<td>75%</td>
<td>dry flowable</td>
<td>5</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: asparagus, carrot, fruit trees, highbush blueberry, potato, transplanted tomato

Storage information: Does not need to be stored in a heated building, but it is preferred.

Notes about control: Has residual soil activity that will control germinated susceptible broadleaf weed seedlings during pre-emergent applications. Is absorbed through the leaves and is rapidly translocated to the plant’s growing points when applied to emerged sensitive broadleaf weeds.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>SENCOR 75 DF</td>
<td>17242</td>
<td>3</td>
<td>12 hr</td>
<td>BAYER CROPSCIENCE INC.</td>
</tr>
<tr>
<td>TRICOR 75 DF</td>
<td>30661</td>
<td>3</td>
<td>12 hr</td>
<td>UNITED PHOSPHORUS INC.</td>
</tr>
<tr>
<td>SQUADRON</td>
<td>32081</td>
<td>3</td>
<td>12 hr</td>
<td>ADAMA CANADA LTD.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>48</td>
<td>napropamide</td>
<td>50%</td>
<td>dry flowable</td>
<td>15</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: **Ornamentals**: ornamentals, woody nursery stock, forest tree stock, ground covers, container-grown ornamentals (see label). **Small fruit**: blackberries, boysenberries, cranberries, highbush blueberries, loganberries, raspberries, strawberries. **Tree/Vine fruit**: apples, grapes, peaches, pears. **Vegetables**: asparagus, basil, cole crops (cabbage, broccoli, cauliflower), Chinese broccoli, Chinese mustard greens, Chinese nappa cabbage, Chinese radish, garlic, kohlrabi, peppers, pumpkin, squash, fuzzy squash, rutabagas, tomatoes

Storage information: May be stored at any temperature.

Notes about control: Selective pre-emergence herbicide for control of many annual grasses and broadleaf weeds.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEVRINOL DF-XT</td>
<td>31081</td>
<td>4</td>
<td>12 hr</td>
<td>UNITED PHOSPHORUS INC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>49</td>
<td>nicosulfuron</td>
<td>75%</td>
<td>dry flowable</td>
<td>2</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: sweet corn

Storage information: Does not need to be stored in a heated building, but it is preferred.

Notes about control: Controls emerged susceptible grassy weeds. Weeds that emerge following application will not be controlled. An adjuvant must be added to achieve control of grassy weeds.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCENT 75 DF</td>
<td>25116</td>
<td>3</td>
<td>12 hr</td>
<td>E.I. DUPONT CANADA INC.</td>
</tr>
</tbody>
</table>

*continued*
### TABLE 1-2
Notes on herbicides used in Ontario horticulture crops sorted by active ingredient

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>oxadiazon</td>
<td>2%</td>
<td>granular</td>
<td>14</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: woody ornamental shrubs, vines and trees grown in containers

Storage information: May be stored at any temperature.

Notes about control: A selective, pre-emergence herbicide for control of certain annual broadleaf and grass weeds.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>RONSTAR 2G</td>
<td>23600</td>
<td>3</td>
<td>not stated</td>
<td>BAYER CROPSCIENCE INC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>51</td>
<td>oxyfluorfen</td>
<td>-</td>
<td>-</td>
<td>14</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: broccoli, cabbage, cauliflower, conifers, highbush blueberries, onions, poplar and aspen species, shallots, strawberries

Storage information: Store above 0°C.

Notes about control: A selective pre-emergence and post-emergence herbicide for the control of certain broadleaf weeds.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>GOAL 2XL</td>
<td>24913</td>
<td>2</td>
<td>12-48 hr</td>
<td>DOW AGROSCIENCES CANADA INC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>52</td>
<td>pendimethalin</td>
<td>455 g/L</td>
<td>microcapsule suspension</td>
<td>3</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: broccoli, cabbage, carrots, cauliflower conifers, commercial outdoor ornamental production, leeks, lima beans, onions (dry bulb and green), snap beans, tomatoes

Storage information: Do not store at temperatures at or below 0°C.

Notes about control: Controls susceptible broadleaf and grassy weeds prior to their emergence. This herbicide will not control emerged weed species.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROWL H2O</td>
<td>29542</td>
<td>3</td>
<td>24 hr</td>
<td>BASF CANADA INC.</td>
</tr>
</tbody>
</table>
### TABLE 1–2

Notes on herbicides used in Ontario horticulture crops sorted by active ingredient *continued*

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>53</td>
<td>prometryne</td>
<td>480 g/L</td>
<td>soluble concentrate</td>
<td>5</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: carrots, celeriac, celery, leeks, peas

Storage information: May be stored at any temperature.

Notes about control: Controls most annual broadleaf and grass weeds by both contact and root action and has a residual effect for 6–8 weeks. Has both pre-emergence and post-emergence activity.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>GESAGARD 480SC</td>
<td>24771</td>
<td>3</td>
<td>12–24 hr</td>
<td>SYNGENTA CANADA INC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>54</td>
<td>propyzamide</td>
<td>400 g/L</td>
<td>soluble concentrate</td>
<td>15</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: apples, lettuce, ornamentals, pears

Storage information: heated storage

Notes about control: Controls quackgrass, annual grasses and chickweed. It may be applied pre and post-emergence. It is readily absorbed by plants through the root system, translocated upward and distributed into the entire plant. Post-emergence applications to weeds will not control weeds by foliar uptake, but rather by soil uptake once the product moves into the soil.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>KERB SC</td>
<td>30264</td>
<td>3</td>
<td>24 hr</td>
<td>DOW AGROSCIENCES CANADA INC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>55</td>
<td>pyrazon</td>
<td>430 g/L</td>
<td>flowable suspension</td>
<td>5</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: red beets, sugar beets

Storage information: Store in cool, dry, locked, well-ventilated area without floor drain.

Notes about control: May be applied pre-plant incorporated, pre and post-emergence for control of broadleaf weeds. Can be taken up by both roots and leaves, but translocation is upward to leaves where it inhibits photosynthesis.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>PYRAMIN FL</td>
<td>15857</td>
<td>4</td>
<td>12 hr</td>
<td>BASF CANADA INC.</td>
</tr>
</tbody>
</table>
# TABLE 1-2

Notes on herbicides used in Ontario horticulture crops sorted by active ingredient

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>56</td>
<td>quizalofop-p-ethyl</td>
<td>96 g/L</td>
<td>emulsifiable concentrate</td>
<td>1</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: cucurbit vegetables, peas, rutabagas, sugar beets, Saskatoon berries

Storage information: Store above 5°C to keep product from freezing.

Notes about control: Controls susceptible grassy weeds after they have emerged. Will not control weeds that emerge after application.

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>57</td>
<td>rimsulfuron</td>
<td>25%</td>
<td>soluble granules</td>
<td>2</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: caneberries, highbush blueberries, potatoes, tomatoes

Storage information: Store in a dry area.

Notes about control: Rimsulfuron is a contact herbicide and will not give residual control of grass or broadleaf weed seedlings that may germinate after application. Weed control may be reduced if the crop canopy has closed in over the weeds, intercepting the spray.

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>58</td>
<td>saflufenacil</td>
<td>70%</td>
<td>soluble granules</td>
<td>14</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: sweet corn

Storage information: Store in a heated building.

Notes about control: Controls susceptible broadleaf weeds prior to their emergence.
### TABLE 1–2

**Notes on herbicides used in Ontario horticulture crops sorted by active ingredient** *continued*

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>61</td>
<td>simazine</td>
<td>90%</td>
<td>water-dispersible granule</td>
<td>5</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: apple, apricots, asparagus, blackberries, cherry, Christmas trees and woodland plantations, tree nuts, grapes, highbush blueberries, loganberries, peaches, pears, plums, raspberries, shelterbelts, strawberries, woody ornamentals and nursery stock.

Storage information: Does not need to be stored in a heated building, but it is preferred.

Notes about control: Controls susceptible grassy and broadleaf weeds before they have emerged. Will not control weeds after they have emerged.
### TABLE 1-2

Notes on herbicides used in Ontario horticulture crops sorted by active ingredient  

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>62</td>
<td>simazine</td>
<td>480 g/L</td>
<td>suspension</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Horticulture crop registrations: apple, asparagus, grapes, highbush blueberries, loganberry, pear, raspberries, shelterbelts, woody ornamentals and nursery stock</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storage information: Does not need to be stored in a heated building, but it is preferred.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Notes about control: Controls susceptible grassy and broadleaf weeds before they have emerged. Will not control weeds after they have emerged.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIMAZINE 480</td>
<td>23181</td>
<td>3</td>
<td>12 hr</td>
<td>LOVELAND CANADA PRODUCTS INC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>63</td>
<td>simazine</td>
<td>500 g/L</td>
<td>suspension</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Horticulture crop registrations: apple, asparagus, grapes, highbush blueberries, loganberry, pear, raspberries, shelterbelts, woody ornamentals and nursery stock</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storage information: Does not need to be stored in a heated building, but it is preferred.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Notes about control: Controls susceptible grassy and broadleaf weeds before they have emerged. Will not control weeds after they have emerged.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIMADEX</td>
<td>15902</td>
<td>3</td>
<td>12 hr</td>
<td>BAYER CROPSCIENCE INC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>64</td>
<td>s-metolachlor</td>
<td>915 g/L</td>
<td>emulsifiable concentrate</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Horticulture crop registrations: Asian radish, asparagus, beets (red), carrots, celery, established conifers for field production, cucurbit vegetables (crop group 9), eggplant (transplants only), fruit trees, highbush blueberries, outdoor ornamentals (woody and herbaceous), parsnip, peas, peppers, potatoes, pumpkin, red beets, rutabagas, second year or older poplar stoolbeds, second year or older transplant or seedling stock of: white spruce, norway spruce, black spruce, white pine, jack pine and red pine, snap common beans (green and yellow), strawberries, sugar beets, sweet corn, sweet potatoes, transplanted broccoli, cabbage, cauliflower and mustard greens, transplanted tomatoes, winter squash</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storage information: Does not need to be stored in a heated building, but it is preferred.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Notes about control: Controls susceptible grassy and broadleaf weeds before they have emerged. Susceptible grassy weeds are best controlled prior to emergence but most species are susceptible up to the 2-leaf stage.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>DUAL II MAGNUM</td>
<td>25729</td>
<td>4</td>
<td>12 hr</td>
<td>SYNGENTA CANADA INC.</td>
</tr>
</tbody>
</table>
TABLE 1–2  
Notes on herbicides used in Ontario horticulture crops sorted by active ingredient continued

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>65</td>
<td>s-metolachlor</td>
<td>400 g/L</td>
<td>liquid</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>atrazine</td>
<td>320 g/L</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Horticulture crop registrations: sweet corn
Storage information: Does not need to be stored in a heated building, but it is preferred.

Notes about control: Controls susceptible broadleaf weeds before or after they emerge. Susceptible grassy weeds are best controlled prior to emergence but most species are susceptible up to the 2-leaf stage.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRIMEXTRA II MAGNUM</td>
<td>25730</td>
<td>3</td>
<td>12 hr</td>
<td>SYNGENTA CANADA INC.</td>
</tr>
<tr>
<td>LUMAX EZ</td>
<td>30864</td>
<td>3</td>
<td>12 hr</td>
<td>SYNGENTA CANADA INC.</td>
</tr>
</tbody>
</table>

A. I. # | ACTIVE INGREDIENT (A.I.) | CONCENTRATION | FORMULATION | WSSA GROUP |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>66</td>
<td>s-metolachlor atrazine</td>
<td>298 g/L</td>
<td>suspension</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>mesotrione</td>
<td>112 g/L</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>29.8 g/L</td>
<td></td>
<td>27</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: sweet corn
Storage information: Avoid storing below -10°C.

Notes about control: Controls susceptible broadleaf weeds before or after they emerge. Susceptible grassy weeds are best controlled prior to emergence but most species are susceptible up to the 2-leaf stage.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>LUMAX EZ</td>
<td>30864</td>
<td>3</td>
<td>12 hr</td>
<td>SYNGENTA CANADA INC.</td>
</tr>
<tr>
<td>AUTHORITY</td>
<td>29012</td>
<td>2</td>
<td>12 hr</td>
<td>FMC CORPORATION</td>
</tr>
</tbody>
</table>

continued
### TABLE 1-2

Notes on herbicides used in Ontario horticulture crops sorted by active ingredient *continued*

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>68</td>
<td>terbacil</td>
<td>80%</td>
<td>wettable dry granules</td>
<td>5</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: apple, asparagus, cherry, highbush blueberries, peach, peppermint, plum, raspberry, spearmint, strawberry.

Storage information: Store in a dry area.

Notes about control: Controls susceptible broadleaf and grass weeds before they have emerged and up to the 2-leaf stage. Primarily a soil residual herbicide. Best results are obtained if application is made shortly before or shortly after weed growth begins.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>SINBAR WDG</td>
<td>30082</td>
<td>2</td>
<td>12 hr</td>
<td>E.I. DUPONT CANADA INC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>69</td>
<td>thifensulfuron methyl</td>
<td>50%</td>
<td>soluble granules</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: tomato.

Storage information: Does not need to be stored in a heated building, but it is preferred.

Notes about control: Controls susceptible broadleaf weeds after they have emerged. This herbicide will not control weeds that have emerged after application.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>PINNACLE SG</td>
<td>29349</td>
<td>4</td>
<td>12 hr</td>
<td>FMC CORPORATION</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>70</td>
<td>topramezone</td>
<td>336 g/L</td>
<td>suspension</td>
<td>27</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: sweet corn.

Storage information: Store above 5°C to keep product from freezing.

Notes about control: Controls susceptible grass and broadleaf weeds after they have emerged. This herbicide will not control weeds that have emerged after application. Typically, this herbicide should be tank-mixed with atrazine.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARMEZON</td>
<td>30131</td>
<td>3</td>
<td>12 hr</td>
<td>BASF CANADA INC.</td>
</tr>
<tr>
<td>IMPACT</td>
<td>28141</td>
<td>3</td>
<td>12 hr</td>
<td>AMVAC CHEMICAL CORPORATION</td>
</tr>
</tbody>
</table>
# TABLE 1–2

Notes on herbicides used in Ontario horticulture crops sorted by active ingredient

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>71</td>
<td>trifluralin</td>
<td>480 g/L</td>
<td>emulsifiable concentrate</td>
<td>3</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: carrots, peas (field and canning), snap beans, strawberries, turnips; direct seeded: cabbage and cauliflower; transplants of: broccoli, Brussels sprouts, cabbage, cauliflower, peppers and tomatoes; annual flowers, woody ornamental plantings and field grown nursery stock, perennials, established shelterbelts

Storage information: Store above 5°C to keep product from freezing.

Notes about control: Controls susceptible grass and broadleaf weeds prior to their emergence. Will not control weeds that are emerged.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>BONANZA 480</td>
<td>28289</td>
<td>4</td>
<td>12 hr</td>
<td>LOVELAND PRODUCTS CANADA INC.</td>
</tr>
<tr>
<td>TREFLAN EC</td>
<td>23933</td>
<td>4</td>
<td>12 hr</td>
<td>GOWAN COMPANY, L.L.C.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>72</td>
<td>trifluralin</td>
<td>500 g/L</td>
<td>emulsifiable concentrate</td>
<td>3</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: carrots, peas (field and canning), snap beans, strawberries, turnips; direct seeded: cabbage and cauliflower; transplants of: broccoli, Brussels sprouts, cabbage, cauliflower, peppers and tomatoes; annual flowers, woody ornamental plantings and field grown nursery stock, perennials, established shelterbelts

Storage information: Store above 5°C to keep product from freezing.

Notes about control: Controls susceptible grass and broadleaf weeds prior to their emergence. Will not control weeds that are emerged.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>RIVAL EC</td>
<td>18612</td>
<td>4</td>
<td>12 hr</td>
<td>NUFARM AGRICULTURE INC.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. I. #</th>
<th>ACTIVE INGREDIENT (A.I.)</th>
<th>CONCENTRATION</th>
<th>FORMULATION</th>
<th>WSSA GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>73</td>
<td>triflusulfuron-methyl</td>
<td>50%</td>
<td>dry flowable</td>
<td>2</td>
</tr>
</tbody>
</table>

Horticulture crop registrations: chicory, red beets, sugar beets

Storage information: May be stored at any temperature.

Notes about control: Apply post-emergence to control susceptible broadleaf weeds. Must be applied with a 0.2% v/v non-ionic surfactant.

<table>
<thead>
<tr>
<th>HERBICIDE BRAND(S)</th>
<th>PCP #</th>
<th>CLASS</th>
<th>RESTRICTED ENTRY INTERVAL (REI)</th>
<th>MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>UPBEET</td>
<td>25813</td>
<td>3</td>
<td>12 hr</td>
<td>FMC CORPORATION</td>
</tr>
</tbody>
</table>
# TABLE 1-3

Adjuvants used in Ontario

**LEGEND:** N/A = not applicable. These types of products are not required to be classified under the *Pest Control Products Act* (PCPA).

<table>
<thead>
<tr>
<th>TRADE NAMES¹</th>
<th>REGISTRATION (PCP) NUMBER²</th>
<th>CHEMICAL COMPOSITION</th>
<th>CONCENTRATION</th>
<th>ONTARIO CLASSIFICATION³</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGRAL 90</td>
<td>11809</td>
<td>nonylphenoxy polyethoxyethanol</td>
<td>90%</td>
<td>3</td>
</tr>
<tr>
<td>AGRAL 90</td>
<td>24725</td>
<td>nonylphenoxy polyethoxyethanol</td>
<td>90%</td>
<td>3</td>
</tr>
<tr>
<td>CITOWETT PLUS</td>
<td>12766</td>
<td>octylphenoxy-polyethoxy ethanol</td>
<td>50%</td>
<td>4</td>
</tr>
<tr>
<td>CONTACT</td>
<td>28326</td>
<td>alkylarylpolyoxyethylene glycols, free fatty acids and isopropyl alcohol</td>
<td>900 g/L</td>
<td>4</td>
</tr>
<tr>
<td>COMPANION</td>
<td>15882</td>
<td>octylphenoxy-polyethoxy-(9) ethanol</td>
<td>70%</td>
<td>4</td>
</tr>
<tr>
<td>ENHANCE</td>
<td>29270</td>
<td>triglyceride ethoxylate</td>
<td>80%</td>
<td>4</td>
</tr>
<tr>
<td>ICON</td>
<td>28342</td>
<td>nonylphenoxy polyethoxyethanol</td>
<td>90%</td>
<td>4</td>
</tr>
<tr>
<td>INDEX</td>
<td>28181</td>
<td>alkylarylpolyoxyethylene glycols, free fatty acids and isopropyl alcohol</td>
<td>900 g/L</td>
<td>4</td>
</tr>
<tr>
<td>IPCO AG-SURF</td>
<td>15881</td>
<td>nonylphenoxy polyethoxyethanol</td>
<td>92%</td>
<td>3</td>
</tr>
<tr>
<td>L700</td>
<td>23026</td>
<td>phosphatidylcholine, methylacetic acid, alky polyoxyethylene ether</td>
<td>80%</td>
<td>4</td>
</tr>
<tr>
<td>LIBERATE</td>
<td>29491</td>
<td>lecithin, methyl esters of fatty acids and alcohol ethoxylate</td>
<td>100 g/L</td>
<td>3</td>
</tr>
<tr>
<td>LINK</td>
<td>28291</td>
<td>alkylarylpolyoxyethylene glycols, free fatty acids and isopropyl alcohol</td>
<td>900 g/L</td>
<td>4</td>
</tr>
<tr>
<td>NUFARM AG-SURF</td>
<td>27921</td>
<td>nonylphenoxy polyethoxyethanol</td>
<td>92%</td>
<td>4</td>
</tr>
<tr>
<td>PRO-SURF II</td>
<td>28327</td>
<td>alkylarylpolyoxyethylene glycols, free fatty acids and isopropyl alcohol</td>
<td>900 g/L</td>
<td>4</td>
</tr>
<tr>
<td>SENTRY</td>
<td>28343</td>
<td>nonylphenoxy polyethoxyethanol</td>
<td>90%</td>
<td>4</td>
</tr>
<tr>
<td>SIDEKICK</td>
<td>25835</td>
<td>alkylarylpolyoxyethylene glycols, free fatty acids and isopropyl alcohol</td>
<td>900 g/L</td>
<td>4</td>
</tr>
<tr>
<td>SIDEKICK II</td>
<td>28914</td>
<td>alkylarylpolyoxyethylene glycols, free fatty acids and isopropyl alcohol</td>
<td>900 g/L</td>
<td>4</td>
</tr>
</tbody>
</table>

¹ Mention of a trade name in this table does not constitute a guarantee or warranty of the product. Neither does this use signify that these products are approved to the exclusion of comparable products. All trade names are capitalized in this guide.

² The product registration number for this trade name under the *Pest Control Products Act*, commonly referred to as a “PCP number”. The PCP number has been placed in the guide for convenience, but the pesticide label should always be used for the most accurate and current PCP number.

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### TABLE 1-3

#### Adjuvants used in Ontario

<table>
<thead>
<tr>
<th>TRADE NAMES¹</th>
<th>REGISTRATION [PCP] NUMBER²</th>
<th>CHEMICAL COMPOSITION</th>
<th>CONCENTRATION</th>
<th>ONTARIO CLASSIFICATION³</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUFFIX</td>
<td>28184</td>
<td>nonylphenoxy polyethoxyethanol</td>
<td>90%</td>
<td>4</td>
</tr>
<tr>
<td>SUPER SPREADER</td>
<td>17402</td>
<td>acylphenoxy-polyethoxy ethanol</td>
<td>50%</td>
<td>4</td>
</tr>
<tr>
<td>WEEDAWAY AG SURF</td>
<td>22881</td>
<td>nonylphenoxy polyethoxyethanol</td>
<td>92%</td>
<td>3</td>
</tr>
</tbody>
</table>

**Solvents (Oils)/Surfactants**

<table>
<thead>
<tr>
<th>TRADE NAMES¹</th>
<th>REGISTRATION [PCP] NUMBER²</th>
<th>CHEMICAL COMPOSITION</th>
<th>CONCENTRATION</th>
<th>ONTARIO CLASSIFICATION³</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADDIT ADJUVANT</td>
<td>29263</td>
<td>surfactant</td>
<td>36.9%</td>
<td>4</td>
</tr>
<tr>
<td>AMIGO</td>
<td>22644</td>
<td>phosphate ester surfactant</td>
<td>30%</td>
<td>2</td>
</tr>
<tr>
<td>ASSIST OIL CONCENTRATE</td>
<td>16937</td>
<td>paraffin base mineral oil + surfactant blend</td>
<td>83% + 17%</td>
<td>4</td>
</tr>
<tr>
<td>HASTEN NT</td>
<td>28277</td>
<td>methyl and ethyl oleate</td>
<td>71.4%</td>
<td>4</td>
</tr>
<tr>
<td>MANA X-ACT</td>
<td>28225</td>
<td>phosphate ester surfactant</td>
<td>30%</td>
<td>2</td>
</tr>
<tr>
<td>MERGE</td>
<td>24702</td>
<td>surfactant blend + solvent (petroleum hydrocarbons)</td>
<td>50% + 50%</td>
<td>4</td>
</tr>
<tr>
<td>MERGE 1</td>
<td>21058</td>
<td>surfactant blend + solvent (petroleum hydrocarbons)</td>
<td>50% + 50%</td>
<td>4</td>
</tr>
<tr>
<td>MSO CONCENTRATE</td>
<td>28385</td>
<td>methylated seed oil of soybean</td>
<td>70%</td>
<td>4</td>
</tr>
<tr>
<td>SURE-MIX</td>
<td>25467</td>
<td>paraffinic petroleum oil + surfactant blend</td>
<td>60% + 35.6%</td>
<td>4</td>
</tr>
<tr>
<td>SYLGDAR 309</td>
<td>23078</td>
<td>silicone polyether + surfactant blend</td>
<td>76% + 24%</td>
<td>4</td>
</tr>
<tr>
<td>TURBOCHARGE</td>
<td>23135</td>
<td>paraffin base mineral oil + surfactant blend</td>
<td>50% + 39.5%</td>
<td>4</td>
</tr>
<tr>
<td>XA OIL CONCENTRATE</td>
<td>11769</td>
<td>paraffin base mineral oil + surfactant blend</td>
<td>83% + 17%</td>
<td>4</td>
</tr>
</tbody>
</table>

**Compatibility Agents**

<table>
<thead>
<tr>
<th>TRADE NAMES¹</th>
<th>REGISTRATION [PCP] NUMBER²</th>
<th>CHEMICAL COMPOSITION</th>
<th>CONCENTRATION</th>
<th>ONTARIO CLASSIFICATION³</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALLIANCE</td>
<td>N/A</td>
<td>aliphatic phosphate ester, isopropanol and glycol ethers</td>
<td>69%</td>
<td>N/A</td>
</tr>
<tr>
<td>UNITE</td>
<td>N/A</td>
<td>acid polyglycols and methyl alcohol</td>
<td>83.70%</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Water Buffering Agents**

<table>
<thead>
<tr>
<th>TRADE NAMES¹</th>
<th>REGISTRATION [PCP] NUMBER²</th>
<th>CHEMICAL COMPOSITION</th>
<th>CONCENTRATION</th>
<th>ONTARIO CLASSIFICATION³</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQUA-STABLE</td>
<td>N/A</td>
<td>aliphatic polycarboxylate and calcium chloride</td>
<td>28%</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Water Conditioning Agents**

<table>
<thead>
<tr>
<th>TRADE NAMES¹</th>
<th>REGISTRATION [PCP] NUMBER²</th>
<th>CHEMICAL COMPOSITION</th>
<th>CONCENTRATION</th>
<th>ONTARIO CLASSIFICATION³</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQUASOFT</td>
<td>N/A</td>
<td>hydroxy carboxylic acid, phosphoric acids and ammonium sulfate polyacrylic acid</td>
<td>63%</td>
<td>N/A</td>
</tr>
<tr>
<td>CHOICE</td>
<td>N/A</td>
<td>polyacrylic, hydroxy carboxylic, propionic acids, phosphate ester and ammonium sulfate</td>
<td>50%</td>
<td>N/A</td>
</tr>
<tr>
<td>N TANK</td>
<td>N/A</td>
<td>monocarbamide dithydrogen sulphate, amine phosphates and viscosity reducing agents</td>
<td>81%</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Defoamers (Anti-Foamers)**

<table>
<thead>
<tr>
<th>TRADE NAMES¹</th>
<th>REGISTRATION [PCP] NUMBER²</th>
<th>CHEMICAL COMPOSITION</th>
<th>CONCENTRATION</th>
<th>ONTARIO CLASSIFICATION³</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIGHTER F</td>
<td>N/A</td>
<td>dimethylpolysiloxane</td>
<td>10%</td>
<td>N/A</td>
</tr>
<tr>
<td>FLAT-OUT</td>
<td>N/A</td>
<td>dimethylpolysiloxane</td>
<td>20%</td>
<td>N/A</td>
</tr>
</tbody>
</table>
### TABLE 1-3
Adjuvants used in Ontario

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<table>
<thead>
<tr>
<th>TRADE NAMES</th>
<th>REGISTRATION (PCP) NUMBER</th>
<th>CHEMICAL COMPOSITION</th>
<th>CONCENTRATION</th>
<th>ONTARIO CLASSIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>HALT</td>
<td>N/A</td>
<td>silicone base, neutral</td>
<td>30%</td>
<td>N/A</td>
</tr>
<tr>
<td>VALID</td>
<td>N/A</td>
<td>lecithin, emulsifiers, glycols and dimethylpolysiloxane defoamer</td>
<td>100%</td>
<td>N/A</td>
</tr>
<tr>
<td>ZAP</td>
<td>N/A</td>
<td>proprietary blend</td>
<td>100%</td>
<td>N/A</td>
</tr>
<tr>
<td>Foam Marker Dye</td>
<td>N/A</td>
<td>dye, surfactants and coupling agents</td>
<td>100%</td>
<td>N/A</td>
</tr>
<tr>
<td>IN-SIGHT</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TREKKER TRAX</td>
<td>N/A</td>
<td>alcohols, mixed anionic and nonionic surfactants</td>
<td>54%</td>
<td>N/A</td>
</tr>
<tr>
<td>TRAMLINe</td>
<td>N/A</td>
<td>nonionic and anionic surfactants</td>
<td>35% + 65%</td>
<td>N/A</td>
</tr>
</tbody>
</table>

---

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# TABLE 1-4

Recropping restrictions in months for horticulture crops

<table>
<thead>
<tr>
<th>A.I. #</th>
<th>HERBICIDE</th>
<th>Asparagus</th>
<th>Beans, Lima</th>
<th>Beans, Snap</th>
<th>Beets, Red</th>
<th>Beets, Sugar</th>
<th>Broccoli</th>
<th>Brusselss Sprouts</th>
<th>Cabbage</th>
<th>Carrots</th>
<th>Cauliflower</th>
<th>Celery</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>AATREX 480 &lt; 1.0 kg a.i./ha</td>
<td>22</td>
<td>10</td>
<td>10</td>
<td>22</td>
<td>22</td>
<td>22</td>
<td>22</td>
<td>22</td>
<td>22</td>
<td>22</td>
<td>22</td>
</tr>
<tr>
<td>4</td>
<td>AATREX 480 &gt; 1.0-1.5 kg a.i./ha</td>
<td>22</td>
<td>22</td>
<td>22</td>
<td>22</td>
<td>22</td>
<td>22</td>
<td>22</td>
<td>22</td>
<td>22</td>
<td>22</td>
<td>22</td>
</tr>
<tr>
<td>49</td>
<td>ACCENT</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
</tr>
<tr>
<td>7</td>
<td>ACURON</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
</tr>
<tr>
<td>23</td>
<td>ARMEZON PRO*</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
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<tr>
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<td>✓</td>
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<td>✓</td>
<td>36**</td>
<td>✓</td>
<td>36**</td>
<td>36**</td>
</tr>
<tr>
<td>6</td>
<td>BASAGRAN FORTE</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
</tr>
<tr>
<td>2</td>
<td>BLAZER</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
</tr>
<tr>
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<td>f</td>
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<td>f</td>
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<td>f</td>
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<tr>
<td>45</td>
<td>CALLISTO</td>
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<td>22</td>
<td>22</td>
<td>f</td>
<td>f</td>
<td>f</td>
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<td>f</td>
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<tr>
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<td>CHATEAU</td>
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<td>9*</td>
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<td>✓</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>N</td>
<td>CLASSIC (pH &lt; 7.0)</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>11</td>
<td>f</td>
<td>f</td>
<td>f</td>
</tr>
<tr>
<td>N</td>
<td>CLASSIC (pH &gt; 7.8)</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
</tr>
<tr>
<td>N</td>
<td>CLEANSEEP</td>
<td>22</td>
<td>22</td>
<td>22</td>
<td>f</td>
<td>f</td>
<td>22</td>
<td>22</td>
<td>22</td>
<td>22</td>
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<tr>
<td>16</td>
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</tr>
<tr>
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<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
<td>f</td>
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</tr>
<tr>
<td>N</td>
<td>FIRSTRATE</td>
<td>f</td>
<td>f</td>
<td>9</td>
<td>9</td>
<td>f</td>
<td>f</td>
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\( f \) = Field bioassay; user assumes liability for all crops not indicated on the label  
\( \ast \) = conduct a field bioassay (a test strip grown to maturity) the year before growing any other crop  
\( 36** \) = 36 months plus a field bioassay must be conducted prior to planting listed crop  
\( N \) = not listed in this book, see OMAFRA Publication 75A Guide to Weed Control, Field Crops  
\( 1\) = only applicable to mineral soils, if applied to muck soil a field bioassay must be done  

Field Bioassay Service: A&L Laboratories provides a bioassay service to assist in making re-crop decisions.  
For More Information Contact: A&L Laboratories Canada Ltd., 2136 Jet Stream Road, London ON N5V 3P5 www.alcanada.com
### TABLE 1-4
Recropping restrictions in months for horticulture crops  
continued

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Recropping restrictions in months for horticulture crops

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* = only applicable to mineral soils, if applied to muck soil a field bioassay must be done.

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For More Information Contact: A&L Laboratories Canada Ltd., 2196 Jet Stream Road, London ON N5V 3P5 www.dlcanada.com
### TABLE 1–4

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**TABLE 1-5**

Counts with confirmed resistant weed populations

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<thead>
<tr>
<th>WEED SPECIES</th>
<th>WSSA GROUP</th>
<th>COUNTIES WITH CONFIRMED POPULATIONS</th>
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</thead>
<tbody>
<tr>
<td>barnyard grass</td>
<td>5</td>
<td>Waterloo</td>
</tr>
<tr>
<td></td>
<td>22</td>
<td>Essex</td>
</tr>
<tr>
<td>carrot, wild</td>
<td>4</td>
<td>Halton, Wellington</td>
</tr>
<tr>
<td>cocklebur</td>
<td>2</td>
<td>Lambton</td>
</tr>
<tr>
<td>crabgrass, large</td>
<td>1</td>
<td>Chatham-Kent, Essex</td>
</tr>
<tr>
<td>foxtail, green</td>
<td>2</td>
<td>Huron, Kawartha Lakes, Lambton, Oxford, Perth, Wellington, Victoria</td>
</tr>
<tr>
<td>foxtail, giant</td>
<td>2</td>
<td>Elgin, Essex, Lambton, Oxford</td>
</tr>
<tr>
<td>foxtail, yellow</td>
<td>5</td>
<td>York</td>
</tr>
<tr>
<td>groudsel, common</td>
<td>5</td>
<td>York</td>
</tr>
<tr>
<td>lamb's-quarter</td>
<td>2</td>
<td>Chatham-Kent, Elgin, Essex, Lambton, Middlesex, Simcoe, Stormont, Dundas and Glengarry</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>Widespread throughout Ontario (all counties except for Muskoka and Toronto)</td>
</tr>
<tr>
<td>mustard, wild</td>
<td>5</td>
<td>Stormont, Dundas and Glengarry</td>
</tr>
<tr>
<td>nightshade, eastern black</td>
<td>2</td>
<td>Bruce, Carleton, Elgin, Huron, Middlesex, Ottawa, Oxford, Perth, Simcoe, Stormont, Dundas and Glengarry, Wellington</td>
</tr>
<tr>
<td></td>
<td>22</td>
<td>Chatham-Kent</td>
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<tr>
<td>peppergrass, field</td>
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</tbody>
</table>

1 If you suspect that you have a herbicide resistant weed contact Kristen Obeid: kristen.obeid@ontario.ca for more information on testing services.

2 Herbicide groupings for Ontario follow the Weed Science Society of America's nationally accepted grouping. Groups 12, 13, 16, 17, 18, 24, 25 and 26 are not available in Ontario.
### TABLE 1-5

**Counties with confirmed resistant weed populations**

<table>
<thead>
<tr>
<th>WEED SPECIES</th>
<th>WSSA GROUP</th>
<th>COUNTRIES WITH CONFIRMED POPULATIONS</th>
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</thead>
<tbody>
<tr>
<td></td>
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<td>Elgin, Huron, Oxford, Simcoe, Wellington</td>
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<td>Lambton, Middlesex, Simcoe</td>
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<tr>
<td></td>
<td>5</td>
<td>Chatham-Kent, Simcoe, Stormont, Dundas and Glengarry, Waterloo</td>
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<tr>
<td></td>
<td>6</td>
<td>Chatham-Kent</td>
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<tr>
<td></td>
<td>7</td>
<td>Lambton, Chatham-Kent, Middlesex, Simcoe</td>
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<tr>
<td>pigweed, smooth</td>
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<td>Essex</td>
</tr>
<tr>
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<td>5</td>
<td>Brant, Bruce, Essex, Haldimand-Norfolk, Hamilton-Wentworth, Lambton, Lennox and Addington, Niagara, Norfolk, Wellington</td>
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<td>ragweed, giant</td>
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<td>Chatham-Kent, Essex, Lambton, Lennox and Addington</td>
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<td>waterhemp</td>
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### TABLE 1-6

50 common weeds in Ontario horticulture crops and their sensitivity to herbicides according to the product label

<table>
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<tr>
<th>HERBICIDE NAME</th>
<th>ACTIVE INGREDIENT #</th>
<th>barnyardgrass</th>
<th>bindweed, field</th>
<th>bluegrass, annual</th>
<th>chickweed</th>
<th>cocklebur</th>
<th>crabgrass, large</th>
<th>crabgrass, smooth</th>
<th>dallard</th>
<th>foxtail, Canada</th>
<th>foxtail, green</th>
<th>foxtail, giant</th>
<th>foxtail, yellow</th>
<th>groundsel, common</th>
<th>hempnettle</th>
<th>henbit</th>
<th>horsetail, field</th>
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<td>CALLISTO + AATREX 480</td>
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</table>

1 = seedling; 2 = before 4-leaf stage; 3 = controlled at higher rates; 4 = preemergence only; 5 = postemergence only
C = control
S = suppression

continued
### TABLE 1-6

50 common weeds in Ontario horticulture crops and their sensitivity to herbicides according to the product label continued

<table>
<thead>
<tr>
<th>Lady's-thumb</th>
<th>Lambs-quarter</th>
<th>Lettuce, prickly</th>
<th>Milkweed, wild</th>
<th>Nightshade, hairy</th>
<th>Nightshade, half</th>
<th>Nutsedge, yellow</th>
<th>Oats, wild</th>
<th>Pursy, field</th>
<th>Pigweed</th>
<th>Pineapple weed</th>
<th>Proso millet</th>
<th>Purslane</th>
<th>Quackgrass</th>
<th>Ragweed, common</th>
<th>Ragweed, giant</th>
<th>Sandbur</th>
<th>Scallion's chamomile</th>
<th>Shepherd's purse</th>
<th>Spurge species</th>
<th>Sow-thistle, annual</th>
<th>Sow-thistle, perennial</th>
<th>Thistle, Canada</th>
<th>Velvetleaf</th>
<th>Vetch, tufted</th>
<th>Wiresnail muly</th>
<th>Witchgrass</th>
<th>Wood sorrel</th>
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<tr>
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### TABLE 1-6

50 common weeds in Ontario horticulture crops and their sensitivity to herbicides according to the product label

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<th>bindweed, field</th>
<th>bluegrass, annual</th>
<th>buckwheat, wild</th>
<th>chickweed</th>
<th>clovers</th>
<th>cocklebur</th>
<th>cudgrass, large</th>
<th>cudgrass, smooth</th>
<th>dandelion</th>
<th>faba bean, Canada</th>
<th>foxtail, green</th>
<th>foxtail, giant</th>
<th>foxtail, yellow</th>
<th>groundsel, common dandelion</th>
<th>hibiscus</th>
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<sup>1</sup> = seeding; <sup>2</sup> = before 4-leaf stage; <sup>3</sup> = controlled at higher rates; <sup>4</sup> = preemergence only; <sup>5</sup> = postemergence only

C = control

S = suppression
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<th>Weed Name</th>
<th>Common Weed in Ontario Horticulture Crops</th>
<th>Sensitivity to Herbicides According to the Product Label</th>
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<td>wood sorrel</td>
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### TABLE 1-6
50 common weeds in Ontario horticulture crops and their sensitivity to herbicides according to the product label

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<th>bindweed, field</th>
<th>bluegrass, annual</th>
<th>buckwheat, wild</th>
<th>chickweed</th>
<th>cleavers</th>
<th>cocklebur</th>
<th>crabgrass, large</th>
<th>crabgrass, smooth</th>
<th>dandelion</th>
<th>fall panicum</th>
<th>flax, blue</th>
<th>foxfoil, green</th>
<th>foxfoil, giant</th>
<th>foxtail, yellow</th>
<th>foxtail, brown</th>
<th>groundsel, common</th>
<th>hop</th>
<th>henbit</th>
<th>horsetail, field</th>
<th>knotweed</th>
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</table>

\(^1\) = seedling; \(^2\) = before 4-leaf stage; \(^3\) = controlled at higher rates; \(^4\) = preemergence only; \(^5\) = postemergence only

C = control
S = suppression

continued
### TABLE 1-6
50 common weeds in Ontario horticulture crops and their sensitivity to herbicides according to the product label

<table>
<thead>
<tr>
<th>lady's-thumb</th>
<th>lamb's-quarter</th>
<th>lettuce, prickly</th>
<th>milkweed</th>
<th>mustard, wild</th>
<th>nightshade, eastern black</th>
<th>nightshade, hairy</th>
<th>nourse, yellow</th>
<th>pansy, field</th>
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<th>pineapple weed</th>
<th>prosol millet</th>
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<th>ragweed, giant</th>
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<th>shepherd's purse</th>
<th>spurge species</th>
<th>stinkweed</th>
<th>sow-thistle, annual</th>
<th>sow-thistle, perennial</th>
<th>thistle, Canada</th>
<th>valerian</th>
<th>vetch, tooted</th>
<th>wirestem muhly</th>
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<th>wood sorrel</th>
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*continued*
### TABLE 1-6

50 common weeds in Ontario horticulture crops and their sensitivity to herbicides according to the product label

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<th>HERBICIDE NAME</th>
<th>ACTIVE INGREDIENT #</th>
<th>barnyardgrass</th>
<th>bindweed, field</th>
<th>bluegrass, annual</th>
<th>buckwheat, wild</th>
<th>chickweed</th>
<th>cleavers</th>
<th>cocklebur</th>
<th>crabgrass, large</th>
<th>crabgrass, smooth</th>
<th>dandelion</th>
<th>fall panicum</th>
<th>fleabane, Canada</th>
<th>foxtail, green</th>
<th>foxtail, giant</th>
<th>foxtail, yellow</th>
<th>groundsel, common</th>
<th>hemipnette</th>
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1 = seedling; 2 = before 4-leaf stage; 3 = controlled at higher rates; 4 = preemergence only; 5 = postemergence only
C = control
S = suppression
### Table 1-6

50 common weeds in Ontario horticulture crops and their sensitivity to herbicides according to the product label

<table>
<thead>
<tr>
<th>Weed Name</th>
<th>lady's-thumb</th>
<th>lambs-quarter</th>
<th>lettuce, prickly</th>
<th>milkweed</th>
<th>mustard, wild</th>
<th>nightshade, eastern black cherry</th>
<th>nightshade, hairy</th>
<th>nourse's yellow</th>
<th>oats, wild</th>
<th>pansy, field</th>
<th>pigweed</th>
<th>pineapple weed</th>
<th>proso millet</th>
<th>purslane</th>
<th>quickgrass</th>
<th>ragweed, common</th>
<th>ragweed, giant</th>
<th>sandbur</th>
<th>scentless chamomile</th>
<th>shepherd's purse</th>
<th>spurge species</th>
<th>spinach</th>
<th>thistle</th>
<th>velvetleaf</th>
<th>vacch, tufted</th>
<th>wirestem muhly</th>
<th>witch grass</th>
<th>wood sorrel</th>
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