

**ATTACHMENT 1. Master Use Summary**

**Table A.1.1. Master Use Summary Table for Chlorpyrifos**

| Crop/Site   | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type | Method/<br>Equipment  | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions | Comments  |
|---|-------------|--------------|----------|--------------------------------|---|--|-----------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|----------------------------|---|
|   |             |              |          |                                |   |  | Per<br>Year<br>lb<br>a.i./A | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |                            |   |
| <b>AGRICULTURAL FARM PREMISES</b><br>Livestock housing and holding areas (such as hog barns, empty chicken houses, dairy areas, milkrooms, calf hutches, calving pens and parlors). |             | ✓            |          | Indoor general surface spray   | backpack sprayer; high and low sprayer (pressure or volume) | 0.075 lb a.i./1000 ft sq<br><br>1.2 EC, ME   | [14.4]<br>NS                | NA                               | 12                               | NA                     | NA                      | NS                       | NS                      |                            |   |
| <b>ALFALFA</b>  |             | ✓            |          | At plant                       | groundboom  | 1.0 G  | 1.0                         | 1.0                              | [1]<br>NS                        | 1                      | 21                      | 24                       | [10]<br>NS              | Missouri only              | Lower PHI permitted for EC rates 0.33 lb a.i./A (7 d) and 0.67 lb a.i./A (14 d) e.g. Reg. No. 62719-591<br><br>Stand is in production 3-5 years. Planted ¼" to ½" deep. |
|   |             | ✓            |          | Foliar                         | aerial or ground/   | 1.0 EC   | [4.0]<br>NS                 | 4.0                              | [4]<br>NS                        | 4                      | 21                      | 24                       | 10                      |                            | Lower PHI permitted for   |

| Crop/Site | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type | Method/<br>Equipment      | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions | Comments  |
|-----------|-------------|--------------|----------|--------------------------------|---------------------------|--|-----------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|----------------------------|---|
|           |             |              |          |                                |                           |  | Per<br>Year<br>lb<br>a.i./A | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |                            |   |
|           |             |              |          |                                | broadcast,<br>chemigation |  |                             |                                  |                                  |                        |                         |                          |                         |                            | EC rates 0.33 lb a.i./A (7 d) and 0.67 lb a.i./A (14 d) e.g., Reg. No. 62719-591<br><br>Multiple harvests (or cuttings) per year when used for feed/fodder and 1 harvest per year when grown for seed. Cuttings occur about every 30 days.<br>Only 1 crop cycle per year but up to 9 cuttings, varies by geography. |
|           |             |              |          | <b>Total</b>                   |                           | <b>1.0</b>   | <b>5.0</b>                  | <b>5.0</b>                       | <b>[5]<br/>NS</b>                | <b>5</b>               | <b>21</b>               | <b>24</b>                | <b>[10]<br/>NS</b>      |                            | Represents Missouri scenario otherwise 4.0 lb a.i./A per is max.  |

| Crop/Site | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type   | Method/<br>Equipment   | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application<br>Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions   | Comments   |
|-----------|-------------|--------------|----------|--|--|--|--------------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|--|--|
|           |             |              |          |  |  |  | Per<br>Year<br>lb<br>a.i./A    | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |  |  |
| ALMOND    |             | ✓            |          | dormant/<br>delayed<br>dormant;<br>broadcast   | aircraft, airblast   | 2.0<br>WDG, WP   | 2.0                            | NA                               | 1                                | NA                     | NA                      | 24                       | 10                      | Restricted<br>use in<br>California.  |  |
|           |             | ✓            |          | foliar;<br>broadcast   | aircraft, airblast   | 2.0<br>WDG,WP  | 6.0                            | NA                               | 3                                | NA                     | 14                      |                          | 10                      |  |  |
|           |             | ✓            |          | pre-plant,<br>foliar;<br><b>trunk<br/>spray/drenc<br/>h or pre-<br/>plant dip</b>    | handheld,<br>backpack,<br>drench/dip,<br>handgun, and<br>low pressure<br>hand wand | 2.5<br>(3.0/100 gal)<br>WDG  | 2.5                            | NA                               | 1                                | NA                     | 14                      |                          | NS                      |  |  |
|           |             | ✓            |          | Dormant/<br>delayed<br>dormant;<br>foliar;<br><b>orchard<br/>floors</b><br>broadcast | ground boom,<br>handgun,<br>chemigation  | 4.0<br>EC*   | 4.0                            | NA                               | 2                                | NA                     | 14                      |                          | 10                      | Restricted<br>use in<br>California.<br>Only one<br>dormant<br>application<br>can be<br>made. |  |
|           |             |              |          | <b>Total</b>   | --   | <b>4.0</b>   | <b>14.5</b>                    | <b>NA</b>                        | <b>7</b>                         | <b>NA</b>              | <b>14</b>               |                          | <b>NS</b>               |  | Excludes<br>nursery<br>applications<br>(See general<br>"Fruits" listing) |
| APPLE     |             | ✓            |          | dormant/<br>delayed<br>dormant;<br>broadcast   | aircraft, airblast   | 2.0<br>EC<br>2.0<br>WDG  | 2                              | 2.0                              | 1                                | 1                      | NA                      | 24/<br>4 d               | 10d                     |  | Reflects spray<br>drift mitigation<br>measures.                          |

| Crop/Site | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type  | Method/<br>Equipment   | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application<br>Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions   | Comments   |
|-----------|-------------|--------------|----------|---|--|--|--------------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|--|--|
|           |             |              |          |   |  |  | Per<br>Year<br>lb<br>a.i./A    | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |  |  |
|           |             |              |          |   |  | 1.5<br>WP  |                                |                                  |                                  |                        |                         |                          |                         |  |  |
|           |             | ✓            |          | pre-plant,<br>foliar;<br><b>trunk<br/>spray/drench<br/>or pre-<br/>plant dip;</b><br>ground | handheld,<br>backpack,<br>drench/dip,<br>handgun, and<br>low pressure<br>hand wand | 1.5<br>(1.5 lb ai/100<br>gal)<br>WDG   | 1.5                            | NA                               | 1                                | 1                      | 28                      | 4d                       | NS                      | Use<br>permitted in<br>states east<br>of the<br>Rockies<br>except<br>Mississippi.  |  |
|           |             |              |          | <b>Total</b>  |  | <b>2.0</b>   | <b>3.5</b>                     |                                  | <b>2</b>                         |                        |                         |                          |                         |  |  |
| ASPARAGUS |             | ✓            |          | Foliar, pre-<br>harvest;<br>broadcast   | aircraft, ground<br>boom   | 1.0<br>EC, WDG   | 1.0                            | 1.0                              | 1                                | 1                      | 1                       | 24                       | 10                      |  |  |
|           |             | ✓            |          | Postharvest,<br>broadcast   | aircraft, ground<br>boom   | 1.0<br>EC, WDG   | 2.0                            | 2.0                              | 2                                | 1                      | 1                       | 24                       | 10                      |  |  |
|           |             |              |          |   | granular soil<br>band treatment<br>ground boom                                     | 1.5<br>G   | 3.0                            | 3.0                              | 2                                | 2                      | 180                     | 24                       | [10]<br>NS              | Permitted in<br>California,<br>the<br>Midwest,<br>and the<br>Pacific<br>Northwest<br>19713-505,<br>19713-521,<br>5481-525, | Do not apply<br>more than 3.0<br>lb a.i./A<br>between<br>harvests. |

| Crop/Site  | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type                             | Method/<br>Equipment             | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A)   | Maximum<br>Application<br>Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions | Comments  |
|--|-------------|--------------|----------|--|----------------------------------|--|--------------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|----------------------------|---|
|  |             |              |          |  |                                  |  | Per<br>Year<br>lb<br>a.i./A    | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |                            |   |
|  |             |              |          |  |                                  |  |                                |                                  |                                  |                        |                         |                          |                         | 62719-34,<br>83222-34      |   |
|  |             |              |          | <b>Total</b>   |                                  | <b>1.5<br/>G</b>   | <b>3.0</b>                     | <b>3.0</b>                       | 3                                | 3                      | 1                       | 24                       | 10                      |                            |   |
| <b>BEANS</b>   |             | ✓            |          | Preplant;<br>Seed<br>treatment                             | Seed Treatment                   | <i>0.016-0.348</i><br>0.000798 lb<br>ai/lb seed<br>ME<br><i>0.013-0.272</i><br>0.000625 lb<br>ai/lb seed<br>WP<br><i>0.012-0.253</i><br>0.00058 lb<br>ai/lb seed<br>EC | NS                             | [0.348]<br>NS                    | NS                               | [1]<br>NS              | NS                      | NS                       | NS                      | ME is SLN<br>only for ID   | Italics highlight<br>the range of<br>application<br>rates<br>depending on<br>the number of<br>seeds per lb<br>and the number<br>of seeds<br>planted per<br>acre. Seeding<br>rate<br>information<br>provide by<br>BEAD. <sup>4</sup> |
| <b>BEEF/RANGE/<br/>FEEDER CATTLE<br/>(MEAT)/ DAIRY<br/>CATTLE (NON-<br/>LACTATING)</b> |             |              |          | Summer, late<br>fall, spring;<br>impregnated<br>collar/tag | Animal<br>treatment (ear<br>tag) | 0.0066<br>lb/animal  | [0.0099<br>]<br>NS             | NA                               | 3                                | NA                     | NS                      | NS                       | NS                      |                            | Reg. No. 39039-<br>6<br>Cattle ear tags<br>are assumed to<br>last 4-6 months<br>Two tags per<br>animal at<br>0.0033 lb<br>a.i./tag in the<br>summer and   |

| Crop/Site  | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type        | Method/<br>Equipment      | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application<br>Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions  | Comments  |
|--|-------------|--------------|----------|---------------------------------------|---------------------------|--|--------------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|---|---|
|  |             |              |          |                                       |                           |  | Per<br>Year<br>lb<br>a.i./A    | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |   |   |
|  |             |              |          |                                       |                           |  |                                |                                  |                                  |                        |                         |                          |                         |   | one tag per animal at 0.0033 lb a.i./A.           |
| <b>BEETS<br/>(UNSPECIFIED;<br/>TABLE OR<br/>SUGAR)</b><br><br>"grown for seed" |             | ✓            |          | At plant, soil band treatment         | Ground boom               | 1.0<br>EC  | NS                             | 1                                | NS                               | 1                      |                         | 24                       |                         | Allowed in Oregon Court ordered buffer of 60 ft for ground chlorpyrifos application is required for "affected waterways". | Minimum Incorporation: 2 inches                   |
|  |             | ✓            |          | Preplant, soil incorporated treatment | Broadcast/<br>ground boom | 1.9<br>EC  | NS<br>(2.8 ID)                 | NS                               | 1                                | NS                     |                         |                          |                         | Allowed in Oregon and Idaho   | OR-09007;<br>62719-591<br>ID-090002;<br>62719-591 |
|  |             |              |          | <b>Total</b>                          |                           |  | <b>1.9</b>                     | <b>2.8</b>                       | <b>NS</b>                        | <b>2</b>               | <b>NS</b>               |                          | <b>24</b>               |   | One or the other type of application.             |
| <b>SUGAR BEETS</b>   |             | ✓            |          | Preplant, soil incorporated treatment | Broadcast/<br>ground boom | 1.0<br>EC<br>2.0<br>G  | 3.0                            | 2.0                              | 1                                | 1                      | NA                      | 24                       | 10                      |   | Minimum Incorporation: 1 inch                     |
|  |             | ✓            |          | At plant, soil band treatment         | Broadcast/<br>ground boom | 1.0<br>EC, WDG<br>2.0  | 3.0                            | 2.0                              | 1                                | 1                      | 30                      | 24                       | 10                      |   |   |

| Crop/Site   | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type                        | Method/<br>Equipment                     | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions | Comments  |
|---|-------------|--------------|----------|---|--|--|-----------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|----------------------------|---|
|   |             |              |          |   |  |  | Per<br>Year<br>lb<br>a.i./A | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |                            |   |
|   |             |              |          |   |  | G  |                             |                                  |                                  |                        |                         |                          |                         |                            |   |
|   |             | ✓            |          | Postplant,<br>soil band                               | Broadcast/<br>ground boom                | 2.0<br>G   | 3.0                         | 2.0                              | 1                                | 1                      | 30                      | 24                       | 10                      |                            |   |
|   |             | ✓            |          | Post-<br>emergence<br>band<br>treatment;<br>broadcast | Broadcast/<br>ground boom                | 1.0<br>EC, WDG   | 3.0                         | 1.0                              | 3                                | 1                      | 30                      | 24                       | 10                      |                            |   |
|   |             | ✓            |          | broadcast   | Aircraft, ground<br>boom,<br>chemigation | 1.0<br>EC, WDG   | 3.0                         | 1.0                              | 3                                | 1                      | 30                      | 24                       | 10                      |                            | EC is not for use<br>in MS  |
|   |             |              |          | <b>Total</b>  |  | <b>1.0<br/>EC<br/>2.0<br/>G</b>  | <b>4.0</b>                  | <b>[4.0]<br/>NS</b>              | <b>3</b>                         | <b>[3]<br/>NS</b>      | <b>30</b>               | <b>24</b>                | <b>10</b>               |                            | One granular<br>application at<br>2.0 a.i./A and<br>two liquid<br>applications at<br>1.0 a.i./A per<br>year. Also<br>assumed per<br>crop cycle. |
| <b>CARROT Grown<br/>for Seed<br/>(INCLUDING<br/>TOPS)</b> |             | ✓            |          | Foliar pre-<br>bloom<br>broadcast                     | aircraft, ground<br>boom                 | 0.94<br>EC   | 0.94                        | 1                                | 1                                | 1                      | 7                       | 24                       | NA                      | forest                     | OR090011<br>SLN Expires:<br>12/31/2018<br>WA090011<br>SNL Expires:<br>12/31/2016  |

| Crop/Site       | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type                         | Method/<br>Equipment  | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application<br>Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions      | Comments   |
|-----------------|-------------|--------------|----------|--|---|--|--------------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|---------------------------------|--|
|                 |             |              |          |  |   |  | Per<br>Year<br>lb<br>a.i./A    | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |                                 |  |
|                 |             |              |          |  |   |  |                                |                                  |                                  |                        |                         |                          |                         |                                 | Carrots take two years to produce seed. All commercial production of the carrot (vegetable) takes place in the first year when the plant is nowhere near blooming. |
| <b>CHERRIES</b> |             | ✓            |          | <b>dormant/<br/>delayed<br/>dormant;<br/>broadcast</b> | aircraft, airblast  | 2.0<br>WDG, EC<br>1.5<br>WP  | 2.0                            | NA                               | 1                                | NA                     | NS                      | 24                       | 10                      |                                 |  |
|                 |             | ✓            |          | <b>foliar;<br/>broadcast</b>                           | airblast  | 4.0<br>EC  | 10.0                           | NA                               | 5                                | NA                     | 14                      | 24                       | 10                      |                                 | Tart cherry only   |
|                 |             |              | aircraft |  | 2.0   |  |                                |                                  |                                  |                        |                         |                          |                         | Reflects spray drift mitigation |  |
|                 |             | ✓            |          | Foliar, post harvest;<br><b>trunk<br/>spray/drench</b> | handheld, backpack, drench/dip, handgun, and low pressure hand wand | 2.5<br>(3.0/100 gal)<br>WDG, EC  | 2.5                            | NA                               | 1                                | NA                     | 2                       | 24                       | [10]<br>NS              |                                 | Only some labels specify a 10 d MRI.   |
|                 |             |              |          | <b>Total</b>   | --  | <b>4.0</b>   | <b>4.5<br/>(sweet)</b>         |                                  |                                  | <b>6</b>               |                         |                          |                         |                                 |  |



| Crop/Site                     | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type              | Method/<br>Equipment   | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application<br>Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions   | Comments  |
|-------------------------------|-------------|--------------|----------|---|--|--|--------------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|--|---|
|                               |             |              |          |   |  |  | Per<br>Year<br>lb<br>a.i./A    | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |  |   |
|                               |             |              |          |   |  |  | 14.5<br>(tart<br>only)         |                                  |                                  |                        |                         |                          |                         |  | (See general<br>"Fruits" listing)<br><br>The foliar<br>applications<br>only apply to<br>tart cherries,<br>thus, sweet<br>cherry<br>scenarios (e.g.,<br>Pacific NW)<br>annual<br>application rate<br>would be 4.5 lb<br>total a.i./year. |
| CHRISTMAS TREE<br>PLANTATIONS |             | ✓            |          | foliar;<br>broadcast                        | helicopter,<br>orchard blast   | 1.0<br>EC, WDG, WP   | 3.0                            | NA                               | 3                                | NA                     | [0]<br>NS               | 24                       | 7                       | Aerial<br>applications<br>via<br>helicopter<br>are only<br>permitted in<br>Washington<br>and Oregon. |   |
|                               |             | ✓            |          | post harvest;<br><b>Stump<br/>Treatment</b> | handheld,<br>backpack,<br>drench/dip,<br>handgun, and<br>low pressure<br>hand wand | 2.5<br>(3.0/100 gal)<br>EC, WDG  | 2.5                            | NA                               | 1                                | NA                     | NA                      |                          | 7                       |  |   |

| Crop/Site     | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type                     | Method/<br>Equipment   | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup>               | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup>               | Geographic<br>Restrictions   | Comments   |
|---------------|-------------|--------------|----------|--|--|--|-----------------------------|----------------------------------|----------------------------------|------------------------|---------------------------------------|--------------------------|---------------------------------------|--|--|
|               |             |              |          |  |  |  | Per<br>Year<br>lb<br>a.i./A | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                                       |                          |                                       |  |  |
|               |             |              |          | <b>Total</b>                                       |  | <b>2.5</b>   | <b>5.5</b>                  |                                  | <b>4</b>                         |                        |                                       |                          |                                       |  |  |
| <b>CITRUS</b> |             | ✓            |          | foliar;<br>broadcast                               | airblast, ground<br>boom   | 6.0<br>WP, WSP, EC   | 7.5                         | NA                               | 2                                | NA                     | 35<br>(21<br>for<br>low<br>rat<br>es) | 5d                       | 30<br>(10<br>for<br>low<br>rates<br>) | 6.0 lb a.i. /A<br>is only<br>permitted in<br>California<br>and Arizona.<br>The max<br>single rate in<br>other states<br>is restricted<br>to 4 lb a.i./A. |  |
|               |             | ✓            |          |  | aircraft   | 2.3<br>WP, WSP, EC   |                             |                                  |                                  |                        | 21                                    | 5                        | 10                                    | Florida,<br>California,<br>and<br>potentially<br>Texas   | Aerial<br>application<br>used to control<br>psyllid, the<br>vector for citrus<br>greening.<br>Reflects spray<br>drift mitigation |
|               |             | ✓            |          | foliar;<br><b>orchard<br/>floors<br/>broadcast</b> | ground boom,<br>chemigation,<br>handheld,<br>backpack,<br>drench/dip,<br>handgun, and<br>low pressure<br>hand wand | 1.0<br>G*, WSP, EC   | 3.0                         | NA                               | 3                                | NA                     | 28                                    | 24/<br>5 d               | 10                                    |  |  |
|               |             |              |          | <b>Total</b>                                       | --   | <b>6.0</b>   | <b>10.5</b>                 |                                  | <b>5</b>                         |                        |                                       |                          |                                       |  | Registered<br>labels permit  |

| Crop/Site   | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type        | Method/<br>Equipment     | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions                   | Comments  |
|---|-------------|--------------|----------|---------------------------------------|--------------------------|--|-----------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|--|---|
|   |             |              |          |                                       |                          |  | Per<br>Year<br>lb<br>a.i./A | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |  |   |
|   |             |              |          |                                       |                          |  |                             |                                  |                                  |                        |                         |                          |                         |  | both foliar and soil applications in the same orchard. Total excludes nursery applications (See general "Fruits" listing) |
| <b>CLOVER (GROWN FOR SEED)</b>                                |             | ✓            |          | Preplant                              | Ground boom              | 1.9<br>EC  | 1.9                         | 1.9                              | 1                                | 1                      | NS                      | 24                       | NA                      | Use only permitted in Oregon.                | OR-0900100; master label: 62719-591   |
|   |             | ✓            |          | Post-Plant Foliar                     | aircraft and ground boom |  |                             |                                  |                                  |                        |                         |                          |                         |  | Either a preplant or post plant application is allowed.   |
| <b>COLE CROPS (EXCLUDES CAULIFLOWER AND BRUSSELS SPROUTS)</b> |             | ✓            |          | Preplant, soil incorporated treatment | Ground boom              | 2.0<br>EC, WDG, G  | 4.0                         | 2.0                              | 2                                | 1                      | 30                      | 24                       | 10                      |  | Min. incorporation: 2 inches  |
|   |             | ✓            |          | At plant, soil band treatment         | Ground boom              |  |                             |                                  |                                  | 1                      |                         |                          |                         | One granular application permitted per year. |   |
|   |             | ✓            |          | Post plant                            | Ground boom              |  |                             |                                  |                                  | 1                      |                         |                          |                         |  |   |
|   |             | ✓            |          | Foliar Established                    | Ground boom              |  |                             |                                  |                                  | 1                      |                         |                          |                         |  |   |

| Crop/Site                   | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type              | Method/<br>Equipment                     | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions | Comments   |
|-----------------------------|-------------|--------------|----------|---|--|--|-----------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|----------------------------|--|
|                             |             |              |          |   |  |  | Per<br>Year<br>lb<br>a.i./A | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |                            |  |
|                             |             |              |          | Plantings,<br>soil sidedress<br>treatment   |  |  |                             |                                  |                                  |                        |                         |                          |                         |                            |  |
|                             |             | ✓            |          | Foliar,<br>broadcast                        | Aircraft, ground<br>boom,<br>chemigation | 1.0<br>EC, WDG, WP   | 4.0                         | 3.0                              | 4                                | 3                      | 21                      |                          | 10                      |                            | Multiple crops<br>per year are<br>possible in<br>some locations.   |
|                             |             |              |          | <b>Total</b>                                |  |  | <b>8.0</b>                  | <b>5</b>                         | <b>6</b>                         | <b>4</b>               |                         |                          |                         |                            | Some labels<br>restrict the<br>yearly<br>application<br>rate to 3 lb<br>a.i./A.<br>The maximum<br>number of<br>crops per year<br>is 2. |
| <b>BRUSSELS<br/>SPROUTS</b> |             | ✓            |          | At plant, soil<br>band<br>treatment         | Ground boom                              | 2.0<br>EC; G   | 2.0                         | [2.0]<br>NS                      | 2                                | 1                      | 21                      | 24                       | 10                      |                            |  |
|                             |             | ✓            |          | Preplant, soil<br>incorporated<br>treatment | Ground boom                              |  |                             |                                  |                                  |                        |                         |                          |                         |                            |  |
|                             |             | ✓            |          | Postplant,<br>soil<br>application           | Ground boom                              | 2.25 EC, G   | 2.25                        | [2.25]<br>NS                     |                                  |                        |                         |                          |                         |                            |  |
|                             |             | ✓            |          | Foliar<br>broadcast                         | Aircraft,<br>Ground boom                 | 1.0<br>EC  | [5.3]<br>NS                 | 3.0                              | NS                               | 3                      |                         |                          | 10                      |                            | 83222-20,<br>84930-7,<br>86363-3 specify<br>a 7 day MRI. All   |

| Crop/Site           | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type        | Method/<br>Equipment  | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application<br>Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions | Comments   |
|---------------------|-------------|--------------|----------|---------------------------------------|-----------------------|--|--------------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|----------------------------|--|
|                     |             |              |          |                                       |                       |  | Per<br>Year<br>lb<br>a.i./A    | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |                            |  |
|                     |             |              |          |                                       |                       |  |                                |                                  |                                  |                        |                         |                          |                         |                            | other labels specify a 10 day MRI.<br>The PHI stated 84930-7 is conflicting [p. 4 (21 days and p. 19 (30 days))] |
|                     |             |              |          | <b>Total</b>                          |                       | <b>2.3</b>   | <b>5.3</b>                     |                                  | <b>NS</b>                        |                        | <b>21</b>               | <b>24</b>                | <b>7</b>                |                            | Assume one application of either at plant, preplant, or postplant followed with additional foliar applications.  |
| <b>CAULI-FLOWER</b> |             | ✓            |          | At plant, soil band treatment         | Ground boom           | 2.0<br>EC<br>2.3<br>G  | 2.0<br>EC<br>2.25<br>G         | NS                               | [1]<br>NS                        | 1                      | 21                      | 3d                       | 10                      |                            | Only one granular application.   |
|                     |             | ✓            |          | Preplant, soil incorporated treatment | Ground boom           | 2.3<br>G   | 2.3                            | NS                               | [1]<br>NS                        | 1                      | 30,<br>EC,<br>21<br>G   |                          |                         |                            | Minimum incorporation is 2 inches  |
|                     |             | ✓            |          | Postplant, soil application           | Ground boom           | 2.0<br>EC  |                                |                                  |                                  |                        |                         |                          |                         |                            |  |
|                     |             | ✓            |          | Foliar broadcast                      | aircraft, ground boom | 1.0<br>EC  | [5.3]<br>NS                    | 3.0                              | NS                               | 3                      | 21                      |                          |                         | 10                         |  |

| Crop/Site  | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type | Method/<br>Equipment                              | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application<br>Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions | Comments   |
|--|-------------|--------------|----------|--------------------------------|---|--|--------------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|----------------------------|--|
|  |             |              |          |                                |   |  | Per<br>Year<br>lb<br>a.i./A    | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |                            |  |
|  |             |              |          | <b>Total</b>                   |   | <b>2.3</b>   | <b>5.3</b>                     | <b>[5.3]<br/>NS</b>              | <b>NS</b>                        | <b>[4]<br/>NS</b>      | <b>21</b>               | <b>24</b>                | <b>10</b>               |                            | Assume one application at either plant, preplant, or postplant followed with additional foliar applications. |
| <b>COMMERCIAL/INSTITUTIONAL/INDUSTRIAL PREMISES/EQUIP. (INDOOR)</b>  |             |              |          | Broadcast                      | Product Container                                 | 0.4373 lb a.i./100 sq ft<br>190.5 G  | NS                             | NA                               | NS                               | NA                     | NA                      | NS                       | NS                      |                            | For treatment of fire ants   |
| Non-food areas of manufacturing, industrial, and food processing plants; warehouses; ship holds; railroad boxcars. |             |              |          | Crack and Crevice/Void         | Sprayer/Injection                                 | 0.0625 lb a.i./1000 sq ft<br>2.7 ME  | NS                             | NA                               | NS                               | NA                     | NA                      | NS                       | NS                      |                            | 499-419  |
|  |             |              |          | Crack and Crevice/Spot         | Sprayer/Injection                                 | 0.0424 lb/gal ME   | NS                             | NA                               | NS                               | NA                     | NA                      | NS                       | 7                       |                            |  |
| <b>COMMERCIAL/INSTITUTIONAL/INDUSTRIAL PREMISES/EQUIP. (OUTDOOR)</b>   |             |              |          | Soil broadcast                 | Low and High Pressure, Backpack, Handgun Sprayers | 0.0247 lb a.i./1000 sq ft<br>1.1 ME  | NS [13.2]                      | NA                               | NS [12]                          | NA                     | NA                      | NS                       | NS                      |                            |  |
| Outdoor commercial use around non-food   |             |              |          | Directed spray                 |   | 0.1132 lb a.i./1000 sq ft<br>4.9 ME  | NS                             | NA                               | NS                               | NA                     | NA                      | NS                       | NS                      |                            | Specific to: Inside and outside dumpsters and  |

| Crop/Site   | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type                   | Method/<br>Equipment                                | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application<br>Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions | Comments   |
|---|-------------|--------------|----------|--|---|--|--------------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|----------------------------|--|
|   |             |              |          |  |   |  | Per<br>Year<br>lb<br>a.i./A    | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |                            |  |
| areas of<br>manufacturing,<br>industrial, and<br>food processing<br>plants;<br>warehouses; ship<br>holds; railroad<br>boxcars |             |              |          |  |   |  |                                |                                  |                                  |                        |                         |                          |                         |                            | other trash<br>holding<br>containers,<br>trash corrals<br>and other trash<br>storage areas.  |
|   |             |              |          | Crack and<br>Crevice/void/<br>general<br>outdoor |   | 0.0424 lb/gal<br>ME<br>[1.1]   | NS<br>[13.2]                   | NA                               | NS<br>[12]                       | NA                     | NA                      | NS                       | 7                       |                            |  |
| <b>CONIFERS AND<br/>DECIDUOUS<br/>TREES;<br/>PLANTATION,<br/>NURSERY</b>  |             | ✓            | ✓        | <b>foliar;</b><br>broadcast                      | Ground boom   | 1.0<br>EC  | 3.0                            | NA                               | 6                                | NA                     | 7                       | 24                       | 7                       |                            |  |
|   |             | ✓            | ✓        | <b>foliar; stump<br/>treatment</b>               | backpack,<br>drencher, low<br>pressure hand<br>wand | 0.3<br>EC  | 0.3                            | NA                               | 1                                | NA                     | 7                       | 24                       | 7                       |                            |  |
|   |             |              |          | <b>Total</b>                                     |   | <b>1.0</b>   | <b>3.0</b>                     | <b>NA</b>                        | <b>6</b>                         | <b>NA</b>              | <b>7</b>                | <b>24</b>                | <b>7</b>                |                            | The total<br>number of<br>applications<br>assumed is<br>either 3 foliar<br>applications or<br>2 foliar<br>applications<br>with one stump<br>treatment. |
| <b>CORN (ALL)</b>   |             | ✓            |          | Preplant   | ground/ <b>soil<br/>incorporated</b>                | 3.0<br>EC  | 3.0                            | 3.0                              | NS                               | 3                      | NA                      | 24/<br>10                | 10                      |                            | 19713-520,<br>19713-599,   |

| Crop/Site | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type     | Method/<br>Equipment  | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A)                | Maximum<br>Application<br>Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions  | Comments |
|-----------|-------------|--------------|----------|------------------------------------|---|---|--------------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|---|----------|
|           |             |              |          |                                    |   |   | Per<br>Year<br>lb<br>a.i./A    | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |   |          |
|           |             |              |          |                                    | conservation tillage, in furrow, broadcast, chemigation, soil band        | 2.0<br>G  |                                |                                  |                                  |                        | 5<br>EC                 |                          |                         | 33658-26,<br>34704-857,<br>72693-11,<br>83222-20<br><br>The minimum incorporation depth is 2 inches.    |          |
|           |             |              |          |                                    | soil incorporated aerial conservation tillage                             | 2.0<br>EC, G  |                                |                                  |                                  |                        |                         |                          |                         |   |          |
|           |             | ✓            |          |                                    | ground/conservation tillage, in furrow, broadcast, chemigation, soil band | 1.0<br>EC<br>2.0<br>G   | 3.0                            | 3.0                              | NS                               | 3                      | 21                      | 10                       |                         | 19713-520   |          |
|           |             | ✓            |          | Storage or preplant seed treatment | Seed treatment  | <i>0.001-0.021</i><br>0.000625 lb a.i./ lb seed<br>WP<br><br><i>0.1-1.9</i><br>0.058 lb a.i./ lb seed | [7.6]<br>NS                    | [1.9]<br>NS                      | [?]<br>NS                        | 1                      | NS                      | NS                       | NS                      | Italics highlight the range of application rates depending on the number of seeds per lb and the number |          |



| Crop/Site | Residential | Agricultural | Forestry | Timing; Application Type | Method/ Equipment  | Maximum Single Application Rate by Formulation <sup>1</sup> (lb a.i./A) | Maximum Application Rate |                               | Maximum Application Number |                     | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic Restrictions | Comments  |
|-----------|-------------|--------------|----------|--------------------------|--|---|--------------------------|-------------------------------|----------------------------|---------------------|-------------------------|--------------------------|-------------------------|-------------------------|---|
|           |             |              |          |                          |  |   | Per Year lb a.i./A       | Per CC <sup>2</sup> lb a.i./A | Per Year                   | Per CC <sup>2</sup> |                         |                          |                         |                         |   |
|           |             |              |          |                          |  | FC  |                          |                               |                            |                     |                         |                          |                         |                         | of seeds planted per acre. Seeding rate information provide by BEAD. <sup>4</sup>                 |
|           |             | ✓            |          | At plant                 | soil incorporated, conservation tillage                    | 2.0 G   | [8.1] NS                 | 3.0                           | [?] NS                     | 3                   | 21                      | 24                       | 10                      |                         |   |
|           |             | ✓            |          | Post emergence           | Aerial or ground, broadcast, chemigation                   | 1.5 EC<br>1.0 WDG   | [8.1] NS                 | 3.0                           | NS                         | 3                   | 21                      | 24/                      | 10                      |                         | A brush on max single rate is permitted at 1.0 lb ai/a (72693-11)                                 |
|           |             | ✓            |          | Foliar                   | Aerial or ground/ broadcast, granule, seed and chemigation | 1.5 EC  | 3.0                      | 3.0                           | NS                         | 3                   | 21                      | 5d (EC)                  | 10                      |                         |   |
|           |             |              |          | <b>Total</b>             |  | <b>3.0</b>  | <b>8.1</b>               | <b>8.1</b>                    | <b>NS</b>                  | <b>4</b>            | <b>21</b>               |                          | <b>10</b>               |                         | Two granular applications are allowed with a maximum single rate of 1.0 lb a.i./A or one granular |

| Crop/Site | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type     | Method/<br>Equipment             | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application<br>Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions | Comments   |
|-----------|-------------|--------------|----------|------------------------------------|----------------------------------|--|--------------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|----------------------------|--|
|           |             |              |          |                                    |                                  |  | Per<br>Year<br>lb<br>a.i./A    | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |                            |  |
|           |             |              |          |                                    |                                  |  |                                |                                  |                                  |                        |                         |                          |                         |                            | application at 2 lb a.i./A. Total with seed treatment PHI: 21 d except Delaware and Florida (7 d)  |
| COTTON    |             | ✓            |          | Storage or preplant seed treatment | Seed treatment                   | <i>0.8-2.2</i><br>0.00116 lb/lb seed EC  | [2.2] NS                       | [2.2] NS                         | [1] NS                           | 1                      | NS                      | NS                       | NS                      |                            | 264-932 Rates in italics highlight the potential range of application rates depending on the number of seeds per lb and the number of seeds planted per acre. Seeding rate information provide by BEAD. <sup>2</sup> |
|           |             | ✓            |          | Foliar                             | aerial, chemigation, ground boom | 1.0 EC, WDGP   | 3.0                            | 3.0                              | 3                                | 3                      | 14                      | 24                       | 10                      |                            | Except MS  |

| Crop/Site        | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type                                | Method/<br>Equipment                                      | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application<br>Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions                     | Comments  |
|------------------|-------------|--------------|----------|---|---|--|--------------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|--|---|
|                  |             |              |          |   |   |  | Per<br>Year<br>lb<br>a.i./A    | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |  |   |
|                  |             |              |          | <b>Total</b>  |   | <b>1.0</b>   | <b>3.2</b>                     | <b>3.2</b>                       | <b>3</b>                         | <b>3</b>               | <b>14</b>               | <b>24</b>                | <b>10</b>               |  | 1.6 lb a.i./A is<br>max single rate<br>(seed<br>treatment)<br><b>Total with seed<br/>treatment</b><br>1 crop cycle per<br>year assumed    |
| <b>CRANBERRY</b> |             | ✓            |          | Foliar  | aircraft, ground<br>boom/<br>broadcast and<br>chemigation | 1.5<br>EC, WDG   | 3.0                            | NA                               | 2                                | NA                     | 60                      | 24                       | 10                      | Not for use<br>in<br>Mississippi.              | Do not apply to<br>bogs when<br>flooded.  |
| <b>CUCUMBER</b>  |             | ✓            |          | Storage or<br>preplant<br>seed<br>treatment                   | Commercial<br>seed treatment                              | 0.4<br>0.00058 lb/lb<br>seed<br>EC   | NS                             | 0.1                              | 2                                | 1                      | NS                      | NS                       | NS                      |  | Seeding rate<br>information<br>provide by<br>BEAD. <sup>2</sup><br>264-932,<br>62719-221,<br>CA040004<br>Per registrant 2<br>CCs per year |
| <b>FIGS</b>      |             | ✓            |          | <b>dormant/<br/>delayed<br/>dormant</b> ; soil<br>application | ground boom   | 2.0<br>WDG, EC   | 2.0                            | NA                               | 1                                | NA                     | 217                     | 4 d                      | NS                      | Use is<br>restricted to<br>California<br>only. | Incorporation<br>to 3 inches is<br>suggested but<br>not required<br>following<br>application.   |

| Crop/Site  | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type   | Method/<br>Equipment      | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application<br>Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions | Comments  |
|--|-------------|--------------|----------|--|---------------------------|--|--------------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|----------------------------|---|
|  |             |              |          |  |                           |  | Per<br>Year<br>lb<br>a.i./A    | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |                            |   |
| FILBERTS/<br>HAZELNUT  |             | ✓            |          | dormant/<br>delayed<br>dormant;<br>broadcast                               | aircraft, airblast        | 2.0<br>WP  | 2.0                            | NA                               | 1                                | NA                     | 14                      | 24                       | 10                      |                            |   |
|  |             | ✓            |          | foliar;<br>broadcast   | aircraft, airblast        | 2.0<br>WDG, WP, EC   | 6.0                            | NA                               | 3                                | NA                     | 14                      |                          | 10                      |                            | Some labels<br>specify a<br>retreatment<br>interval of 10<br>days.                                      |
|  |             |              |          | <b>Total</b>   |                           | <b>2.0</b>   | <b>6.0</b>                     | <b>NS</b>                        | <b>3.0</b>                       | <b>NA</b>              | <b>14</b>               | <b>24</b>                | <b>10</b>               |                            | Excludes<br>nursery<br>applications<br>(See general<br>"Fruits" listing)                                |
| FOOD<br>PROCESSING<br>PLANT PREMISES<br>(NONFOOD<br>CONTACT)                                       |             |              |          | When<br>needed,<br>crack and<br>crevice<br>treatment,<br>spot<br>treatment |                           | 0.0424 lb/ gal<br>ME   | NS                             | NA                               | NS                               | NA                     | NA                      | NS                       | 7                       |                            | 53883-264,<br>84575-3<br>Spot<br>Treatment: Do<br>not exceed two<br>square feet per<br>individual spot. |
| FOREST<br>PLANTINGS<br>(REFORESTATION<br>PROGRAMS)<br>(TREE FARMS,<br>TREE<br>PLANTATION,<br>ETC.) |             |              | ✓        | Foliar,<br>broadcast   | ground boom               | 1.0<br>EC  | 6.0                            | NA                               | 6                                | NA                     |                         | 24                       | 7                       |                            |   |
|  |             |              | ✓        | Foliar, stump<br>treatment   | direct spray,<br>drencher | 0.34<br>EC   | 6.0                            | NA                               | [18]<br>NS                       | NA                     |                         |                          | 7                       |                            |   |
|  |             |              |          | Total  |                           |  | 6.0                            | NA                               | [18]                             | NA                     |                         |                          |                         |                            |   |

| Crop/Site   | Residential | Agricultural | Forestry | Timing; Application Type             | Method/ Equipment                                    | Maximum Single Application Rate by Formulation <sup>1</sup> (lb a.i./A) | Maximum Application Rate |                               | Maximum Application Number |                     | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic Restrictions | Comments  |
|---|-------------|--------------|----------|--------------------------------------|--|---|--------------------------|-------------------------------|----------------------------|---------------------|-------------------------|--------------------------|-------------------------|-------------------------|---|
|   |             |              |          |                                      |  |   | Per Year lb a.i./A       | Per CC <sup>2</sup> lb a.i./A | Per Year                   | Per CC <sup>2</sup> |                         |                          |                         |                         |   |
| <b>FOREST TREES (SOFTWOODS, CONIFERS)</b>   |             |              | ✓        | Foliar, broadcast                    | ground boom, drencher                                | 0.61 EC   | 3.6                      | NA                            | [6] NS                     | NA                  | 24                      |                          | 7                       |                         |   |
|   |             |              | ✓        | Foliar, stump treatment              | direct spray   | [3.6] 2.4 lb a.i./100 gal EC  | 3.6                      | NA                            | [1] NS                     | NA                  |                         |                          | 7                       |                         | Application rate is provided as a dilution factor.  |
|   |             |              |          | Total                                |  |   | 3.6                      | NA                            | [6]                        | NA                  |                         |                          |                         |                         |   |
| <b>FRUITS &amp; NUTS</b><br>Non-bearing (not to bear fruit within 1 year) fruit trees innurseries (includes: almonds, citrus, filbert, apple, cherry, nectarine, peach, pear, plum, prune). |             | ✓            |          | Foliar-Non-bearing nursery broadcast | High/low volume spay/hand held sprayer/power sprayer | 4.0 EC  | 4.0                      | NA                            | NS                         | NA                  | 14                      | NS                       | 7                       |                         | For nectarines and peaches, the use is restricted to one application of no more than 3 lb a.i./A per cc. For apples, the max rate is 2 lb a.i./A per crop cycle and the use is restricted to 1 application (either canopy or trunk drench) per year. Example label, 62719-254 |
|   |             | ✓            |          | Foliar-Non-bearing                   | drencher, high and low                               | 2.0 WDG   | 2.0                      | NA                            | NS                         | 1                   | 14                      |                          | 7                       |                         |   |

| Crop/Site                     | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type     | Method/<br>Equipment      | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application<br>Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions                   | Comments  |
|-------------------------------|-------------|--------------|----------|------------------------------------|---------------------------|--|--------------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|--|---|
|                               |             |              |          |                                    |                           |  | Per<br>Year<br>lb<br>a.i./A    | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |  |   |
|                               |             |              |          | nursery trunk<br>drench            | pressure<br>sprayer       |  |                                |                                  |                                  |                        |                         |                          |                         |  |   |
|                               |             |              |          | <b>Total</b>                       |                           | <b>4.0</b>   | <b>6.0</b>                     |                                  |                                  |                        |                         |                          |                         |  | Maximum<br>Single Rates:<br>3.0 (nectarines<br>and peaches)<br>2.0 (apples)<br>Maximum<br>Yearly Rates:<br>3.0 (nectarines<br>and peaches)<br>2.0 (apples)                          |
| <b>GINSENG<br/>(MEDCINAL)</b> |             | ✓            |          | Preplant,<br>post-<br>emergence    | Ground, soil<br>broadcast | 2.0<br>G   | 2.0                            | NA                               | 1                                | NA                     | 365                     | 24                       | NA                      | Permitted in<br>Michigan<br>and<br>Wisconsin | MI110006,WI11<br>0003)<br>Minimum<br>incorporation: 4<br>inches<br>Application<br>should be<br>followed by<br>rainfall or<br>overhead<br>watering.<br>Valid until June<br>29, 2016. |
| <b>GOLF COURSE<br/>TURF</b>   |             |              |          | When<br>needed, soil<br>broadcast/ | Ground, low<br>pressure   | 1.0<br>EC  | 2.0                            | NA                               | 2                                | NA                     |                         | 24                       | NS                      |  |   |

| Crop/Site     | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type                | Method/<br>Equipment   | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application Rate              |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions                 | Comments  |  |
|---------------|-------------|--------------|----------|---|--|--|--|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|--|---|--|
|               |             |              |          |   |  |  | Per<br>Year<br>lb<br>a.i./A              | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |  |   |  |
|               |             |              |          | spot<br>treatment                             |  |  |  |                                  |                                  |                        |                         |                          |                         |  |   |  |
|               |             |              |          | Foliar,<br>broadcast,                         | Ground boom,<br>handgun, low<br>pressure and<br>backpack           | 1.0<br>EC, G, B  | 2.0                                      | NA                               | 2                                | NA                     |                         |                          | NS                      |  | Chemigation<br>not allowed for<br>the EC<br>formulation.  |  |
|               |             |              |          |   | Tractor drawn<br>spreader, push<br>type spreader,<br>belly grinder | 1.0<br>G   |  |                                  |                                  |                        |                         |                          |                         |  |   |  |
|               |             |              |          | Mound<br>treatment                            | Granule<br>applicator  | 1.0<br>G   | 2.0                                      | NS                               | 2                                | NS                     |                         | NS                       | 7                       |  |   |  |
|               |             |              |          | <b>Total</b>                                  |  | <b>2.0</b>   | <b>2.0</b>                               | <b>NA</b>                        | <b>2</b>                         | <b>NA</b>              | <b>NS</b>               |                          | <b>NS</b>               |  |   |  |
| <b>GRAPES</b> |             | ✓            |          | Dormant/<br>Delayed<br>Dormant<br>(pre-bloom) | Ground boom,<br>broadcast,<br>drench<br>high/low spray<br>volume   | 1.0<br>WDG, EC   | 1.0                                      | 1                                | 1                                | NA                     | 35                      | 24                       | NS                      | East of the<br>continental<br>divide only. | Do not use in<br>conjunction<br>with soil<br>surface<br>applications for<br>grape borer<br>control. |  |
|               |             | ✓            |          |   |  |  | 2.0<br>EC                                | 2.0                              | 1                                | 1                      | NA                      |                          | 35                      |  | Permitted in<br>Colorado,<br>Idaho, and<br>Washington   | CO080008,<br>ID090004,<br>WA090002<br>Master label:<br>62719-591 |
|               |             | ✓            |          |   |  | Foliar   | Ground/<br>broadcast,<br>basal spray and | 2.25<br>EC                       | 2.25                             | 1                      | 1                       |                          | NA                      | 35   | NS  | Permitted<br>east of the   |

| Crop/Site                      | Residential | Agricultural | Forestry    | Timing; Application Type             | Method/ Equipment                  | Maximum Single Application Rate by Formulation <sup>1</sup> (lb a.i./A) | Maximum Application Rate |                               | Maximum Application Number |                     | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup>                      | Geographic Restrictions                            | Comments   |
|--------------------------------|-------------|--------------|-------------|--------------------------------------|------------------------------------|---|--------------------------|-------------------------------|----------------------------|---------------------|-------------------------|--------------------------|--|--|--|
|                                |             |              |             |                                      |                                    |   | Per Year lb a.i./A       | Per CC <sup>2</sup> lb a.i./A | Per Year                   | Per CC <sup>2</sup> |                         |                          |  |  |  |
|                                |             |              |             |                                      | drench (soil treatment)            |   |                          |                               |                            |                     |                         |                          |  | continental divide.                                |  |
|                                |             | ✓            |             |                                      |                                    | 1.0 EC  | 3.0                      | 3                             | 3                          | NA                  | 35                      |                          | NS   | California   | CA080010   |
|                                |             | ✓            |             | Postharvest, dormant/delayed dormant | Ground boom, broadcast             | 2.0 EC  | 2.0                      | 1                             | 1                          | NA                  | NS                      |                          | NS   | California   | CA080009   |
|                                |             |              |             | <b>Total</b>                         |                                    | <b>2.25</b>   | <b>2.25</b>              | <b>1</b>                      | <b>1</b>                   | <b>NA</b>           | <b>35</b>               | <b>24</b>                | <b>NS</b>                                    | Permitted east of the continental divide.          |  |
|                                |             |              | <b>2.0</b>  |                                      |                                    | <b>5.0</b>  | <b>4</b>                 | <b>4</b>                      | <b>NA</b>                  | <b>NS</b>           | <b>NS</b>               |                          | California                                   |  |  |
|                                |             |              | <b>2.0</b>  |                                      |                                    | <b>2.0</b>  | <b>1</b>                 | <b>1</b>                      | <b>NA</b>                  | <b>NA</b>           | <b>NS</b>               |                          | Permitted in Colorado, Idaho, and Washington |  |  |
|                                |             |              | <b>2.25</b> |                                      |                                    | <b>4.25</b>   | <b>2</b>                 | <b>2</b>                      | <b>NA</b>                  | <b>NS</b>           | <b>NS</b>               |                          | Permitted in Colorado, Idaho, and Washington |  |  |
| <b>GRASS FORAGE/FODDER/HAY</b> |             | ✓            |             | Foliar, broadcast                    | Aircraft, ground boom, chemigation | 1.0 EC  | 3.0                      | NA                            | 3                          | NA                  | NS                      | 24                       |  | Permitted in Nevada, Oregon, Washington, and Idaho | NV080004, NV940002, OR090009, WA090010, ID090003 |
| <b>GREENHOUSE</b>              |             | ✓            |             | early evening,                       | Total release fogger               | 0.029<br>0.0066 lb a.i./1000 sq. ft                                     | NS                       | NA                            | NS                         | NA                  | NS                      | NS                       | 2  |  |  |



| Crop/Site  | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type                          | Method/<br>Equipment                                   | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions | Comments   |
|--|-------------|--------------|----------|---|--|--|-----------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|----------------------------|--|
|  |             |              |          |   |  |  | Per<br>Year<br>lb<br>a.i./A | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |                            |  |
|  |             |              |          | aerosol, fog<br>or fumigation                           |  | PL   |                             |                                  |                                  |                        |                         |                          |                         |                            |  |
| <b>HOUSEHOLD/<br/>DOMESTIC<br/>DWELLINGS<br/>INDOOR<br/>PREMISES</b> | ✓           |              |          | When<br>needed  | Bait station   | 0.0003 lb/bait<br>station  | NS                          | NA                               | NS                               | NA                     | NA                      | NS                       | NS                      |                            | 9688-67  |
| <b>HYBRID<br/>COTTONWOOD/<br/>POPLAR<br/>PLANTATIONS</b>             |             | ✓            |          | Foliar,<br>dormant,<br>delayed<br>dormant;<br>broadcast | High volume<br>(dilute)<br>Low volume<br>(concentrate) | 1.9<br>EC  | [2.0]<br>NS                 | 6.0                              | [1]<br>NS                        | 3                      |                         | 24                       | 7                       | Washington                 | WA090004<br><br>Energy wood<br>plantations may<br>be harvested as<br>often as every<br>2-3 years;<br>pulpwood 5-10<br>years; and saw<br>timber 15-20<br>years.<br>(Arkansas<br>production<br>guide). In<br>Washington the<br>crop takes 2-8<br>years |
| <b>LEGUME<br/>VEGETABLES</b>   |             | ✓            |          | Preplant, soil<br>treatment                             | Ground boom  | 1.0<br>EC, WDG   | 1.0                         | NA                               | 1                                | NA                     | NS                      | 24                       | NA                      |                            | No MRI<br>because<br>application only<br>once a year   |
|  |             | ✓            |          | At planting,<br>soil<br>treatment                       | Ground boom  | 1.0<br>EC, WDG   | 1.0                         | NA                               | 1                                | NA                     | NS                      |                          | NA                      |                            |  |

| Crop/Site                                  | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type            | Method/<br>Equipment             | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application<br>Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions | Comments   |
|--|-------------|--------------|----------|---|----------------------------------|--|--------------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|----------------------------|--|
|  |             |              |          |   |                                  |  | Per<br>Year<br>lb<br>a.i./A    | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |                            |  |
|  |             |              |          | <b>Total</b>                              |                                  | <b>1.0</b>   | <b>1.0</b>                     | <b>NA</b>                        | <b>1</b>                         | <b>NA</b>              | <b>NS</b>               | <b>24</b>                | <b>NS</b>               |                            | Assumed either a preplant or an at plant treatment.  |
| <b>MINT/<br/>PEPPERMINT/<br/>SPEARMINT</b> |             | ✓            |          | Preplant soil incorporated                | Aerial or ground/<br>broadcast   | 2.0<br>EC, WDG   | [2.0]<br>NS                    | 2.0                              | [1]<br>NS                        | 1                      | 90                      | 24                       | NA                      | No use in Mississippi.     | 19713-599,<br>33658-26,<br>34704-857,<br>67760-28,<br>84229-25,<br>84930-7,<br>OR940027<br><br>MRI NA due to once per crop cycle application |
|  |             | ✓            |          | Post-emergence,<br>Postharvest,<br>Foliar | Chemigation,<br>ground/ airblast | 2.0<br>EC  | 2.0                            | 2.0                              | [1]<br>NS                        | 2                      | 90                      |                          | NS                      | No use in Mississippi.     | Postharvest application retreatment not specified on some labels.  |
|  |             |              |          |   | <b>Total</b>                     |  | <b>2.0</b>                     | <b>4.0</b>                       | <b>4.0</b>                       | <b>2.0</b>             | <b>3</b>                | <b>90</b>                | <b>24</b>               | <b>NS</b>                  |  |

| Crop/Site   | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type  | Method/<br>Equipment            | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions  | Comments   |
|---|-------------|--------------|----------|---------------------------------|---------------------------------|--|-----------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|---|--|
|   |             |              |          |                                 |                                 |  | Per<br>Year<br>lb<br>a.i./A | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |   |  |
|   |             |              |          |                                 |                                 |  |                             |                                  |                                  |                        |                         |                          |                         |   | application per season.  |
| <b>MOSQUITO CONTROL; HOUSEHOLD/ DOMESTIC DWELLINGS OUTDOOR PREMISES; RECREATIONAL AREAS</b> | ✓           |              |          | When needed; broadcast          | Ultra low volume air and ground | 0.01 EC  | 0.26                        | NA                               | 26                               | NS                     | NA                      | NS                       | 24 h                    | In Florida: Do not apply by aircraft unless approved by the Florida Dept of Ag. | Aerial applications may be made at altitudes ranging from 75-300 ft (see labels for specifics). For use by federal, state, tribal or local government officials or by persons certified in the appropriate category or authorized by the state or tribal lead regulatory agency. |
| <b>NECTARINE</b>  |             | ✓            |          | <b>dormant/ delayed dormant</b> | airblast, handgun               | 3.0 WDG, EC  | 3.0                         | NA                               | 1                                | NA                     | NS                      | 24/4d                    | 10                      |   | 83222-20 others at 2 lb a.i./a   |

| Crop/Site | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type   | Method/<br>Equipment                      | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions | Comments   |
|-----------|-------------|--------------|----------|--|---|--|-----------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|----------------------------|--|
|           |             |              |          |  |   |  | Per<br>Year<br>lb<br>a.i./A | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |                            |  |
|           |             |              |          | broadcast  | Aircraft                                  | 2.0<br>WDG, EC   |                             |                                  |                                  |                        |                         |                          |                         |                            | Updated to reflect spray drift mitigation.   |
|           |             | ✓            |          | pre-plant,<br>foliar;<br><b>trunk<br/>spray/drench<br/>or pre-<br/>plant dip</b> | Handgun, low<br>pressure<br>backpack, dip | 2.5<br>(3.0/100 gal)<br>WDG, EC  | 2.5                         | NA                               | 1                                | NA                     | 14                      |                          | 5                       |                            | There is no application retreatment interval specified on some of the label. The application rate is provided as a dilution factor.  |
|           |             |              |          | <b>Total</b>   |   | <b>3.0</b>   | <b>5.5</b>                  | <b>NA</b>                        | <b>2</b>                         | <b>NA</b>              |                         |                          |                         |                            | Some labels limit the amount a.i./A per year. Multiple types of applications can occur such as preplant, trunk drench and dormant, delayed dormant applications. Excludes nursery applications |

| Crop/Site   | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type                                       | Method/<br>Equipment         | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application<br>Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions | Comments                          |
|---|-------------|--------------|----------|--|------------------------------|--|--------------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|----------------------------|-----------------------------------|
|   |             |              |          |  |                              |  | Per<br>Year<br>lb<br>a.i./A    | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |                            |                                   |
|   |             |              |          |  |                              |  |                                |                                  |                                  |                        |                         |                          |                         |                            | (See general<br>"Fruits" listing) |
| <b>NONAGRICULTURAL OUTDOOR BUILDINGS/STRUCTURES</b><br>to and around outside surfaces of nonresidential buildings and structures. Permitted areas of use include fences, pre-construction foundations, refuse dumps, outside of walls, and other areas where pests congregate or have been seen |             |              |          | Outdoor general surface/<br>Band (may be better if called perimeter) | Ground sprayer/ band sprayer | 1.0<br>EC  | NS                             | NA                               | NS                               | NA                     | NS                      | NS                       |                         |                            |                                   |
| <b>NURSERY-STOCK:</b><br>Ornamental nursery stock annuals, perennials and woody plants being grown in   |             |              |          | Dormant/<br>Delayed<br>Dormant                                       | high spray                   | 3.0<br>EC  | 3.0                            | NA                               | 1                                | NA                     |                         | 24                       | NS                      |                            |                                   |

| Crop/Site   | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type             | Method/<br>Equipment   | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application<br>Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions | Comments                                   |
|---|-------------|--------------|----------|--|--|--|--------------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|----------------------------|--|
|   |             |              |          |  |  |  | Per<br>Year<br>lb<br>a.i./A    | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |                            |  |
| the field, in ball<br>and burlap or in<br>containers<br>outdoor and in<br>greenhouses |             |              |          |  |  |  |                                |                                  |                                  |                        |                         |                          |                         |                            |  |
|   |             |              |          | Preplant                                   | Ground boom,<br>soil<br>incorporated   | 4.0<br>EC, WP  | NS                             | NA                               | NS                               | NA                     |                         |                          |                         |                            |  |
|   |             |              |          | foliar, soil<br>directed                   | Tractor drawn<br>spreader, push<br>type spreader,<br>belly grinder,<br>gravity fed<br>backpack,<br>spoon | 1.1<br>G   |                                |                                  |                                  |                        |                         |                          |                         |                            |  |
|   |             |              |          | <b>Total</b>                               |  | <b>4.0</b>   | <b>CBD</b>                     |                                  | <b>3</b>                         |                        |                         |                          |                         |                            |  |
| <b>ONIONS</b>   |             | ✓            |          | Post plant<br>(seeding)<br>Broadcast       | Ground boom  | 1.0<br>EC  | NS                             | NS                               | 2                                | 60                     | 24                      | NS                       |                         |                            |  |
|   |             | ✓            |          | At plant, soil<br>drench or<br>basal spray | Ground boom  | 1.0<br>EC, WDG, G  |                                |                                  | 1                                |                        |                         |                          |                         |                            |  |
|   |             |              |          | <b>Total</b>                               |  | <b>2.0</b>   | <b>2.0</b>                     |                                  | <b>2</b>                         | <b>60</b>              | <b>24</b>               | <b>NS</b>                |                         |                            |  |
| <b>ORNAMENTAL<br/>AND/OR SHADE<br/>TREES,<br/>HERBACEOUS<br/>PLANTS</b>               |             | ✓            |          | Foliar<br>broadcast                        | Ground boom,<br>air blast,<br>handgun, low<br>and high<br>pressure hand<br>wands                         | 2.0<br>EC, WP<br>1.0<br>G, B   | 2.0                            | NA                               | [2]<br>NS                        | NA                     | NS                      | 24                       | NS                      |                            | Some labels<br>include a MRI<br>of 7 days. |

| Crop/Site  | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type                             | Method/<br>Equipment  | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application<br>Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions  | Comments |
|--|-------------|--------------|----------|--|---|--|--------------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|---|----------|
|  |             |              |          |  |   |  | Per<br>Year<br>lb<br>a.i./A    | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |   |          |
|  |             | ✓            |          | Dormant<br>/Delayed<br>Dormant                             | Handgun, low<br>pressure and<br>backpack  | 3.0<br>EC  | 3.0                            | NA                               | 1                                | NA                     | NS                      | 7                        |                         | Low volume<br>spray permitted<br>for<br>concentrated<br>solutions and<br>lower rates.                   |          |
| ORNAMENTAL<br>LAWNS AND<br>TURF, SOD<br>FARMS (TURF) |             | ✓            |          | When<br>needed,<br>broadcast,<br>soil or spot<br>treatment | ground boom<br>(WP only), high<br>pressure hand<br>wand   | 3.76<br>EC, WP   | 7.52                           | NA                               | 2                                | NA                     | NS                      | 24                       | NS                      |   |          |
|  |             | ✓            |          | NS   | Tractor drawn<br>spreader, push<br>type spreader,<br>belly grinder  | 1.0<br>B   | 2.0                            | NA                               | 2                                | NA                     | NS                      | 24                       | NS                      | Bait is used for<br>fire ant control.   |          |
| ORNAMENTAL<br>NON-<br>FLOWERING<br>PLANTS            |             | ✓            |          | Foliar,<br>broadcast,<br>soil drench                       | Chemigation,<br>ground boom,<br>low and high<br>pressure<br>handwand,<br>handgun,<br>backpack<br>sprayer,<br>sprinkling can | 0.007/gal<br>ME  | NS                             | NA                               | 12                               | NA                     | NA                      | 24                       | NS                      | Application rate<br>provided as a<br>dilution factor.<br><br>Restricted<br>use—<br>occupational<br>only |          |
| ORNAMENTAL<br>WOODY SHRUBS<br>AND VINES              |             |              |          | Foliar<br>broadcast  | Ground boom,<br>air blast,<br>handgun, low<br>and high<br>pressure  | 2.0<br>EC, WDG<br><br>0.01 lb/gal<br>EC  | 2.0<br><br>0.01<br>lb/gal      | NA                               | [1]<br>NS                        | NA                     | NS                      | 24                       | NS                      | Several labels<br>do not restrict<br>the application<br>rate in lb a.i./A.<br>Examples                  |          |

| Crop/Site    | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type                                    | Method/<br>Equipment   | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions | Comments  |
|--------------|-------------|--------------|----------|---|--|--|-----------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|----------------------------|---|
|              |             |              |          |   |  |  | Per<br>Year<br>lb<br>a.i./A | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |                            |   |
|              |             |              |          |   | sprayer,<br>backpack   |  |                             |                                  |                                  |                        |                         |                          |                         |                            | include 16.5<br>lb/100 gal (228-<br>625) and 1.0<br>lb/100 gal (829-<br>280). |
|              |             |              |          | Dormant/<br>delayed<br>dormant                                    |  | 1.0<br>EC<br>0.005 lb/gal EC   | 1.0                         | NA                               | [1]<br>NS                        | NA                     |                         |                          |                         |                            |   |
|              |             |              |          | Preharvest  | Tractor drawn<br>spreader, push<br>type spreader,<br>belly grinder                     | 6.0<br>G   | 6.0                         | NA                               | [1]<br>NS                        | NA                     |                         |                          |                         |                            |   |
|              |             |              |          | Preplant,<br>potted,<br>bailed-and<br>burlapped,<br>containerized | groundboom,<br>handgun, low<br>and high<br>pressure<br>sprayer,<br>backpack,<br>drench | 1.0<br>EC  | NS                          | 1                                | NS                               | 1                      |                         |                          |                         |                            |   |
|              |             |              |          | Pretransplant   | groundboom   | 4.0<br>WP  | [48.0]<br>NS                | 4                                | 12                               | 4                      |                         |                          |                         |                            |   |
|              |             |              |          | <b>Total</b>  |  | <b>6.0<br/>G<br/>4.0<br/>WP</b>  | <b>CBD</b>                  |                                  | <b>CBD</b>                       |                        |                         |                          |                         |                            |   |
| <b>PEACH</b> |             | ✓            |          | <b>dormant/<br/>delayed<br/>dormant<br/>broadcast</b>             | airblast   | 3.0<br>EC<br>2.0<br>WDG  | 3.0                         | NA                               | 1                                | NA                     | 10                      | 24/<br>4d                | NS                      |                            | 83222-20 (all<br>other labels<br>restrict to 2 lb<br>ai/a)                    |



| Crop/Site | Residential | Agricultural | Forestry | Timing; Application Type   | Method/ Equipment   | Maximum Single Application Rate by Formulation <sup>1</sup> (lb a.i./A) | Maximum Application Rate                  |                               | Maximum Application Number |                     | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic Restrictions                 | Comments   |
|-----------|-------------|--------------|----------|--|---|---|---|-------------------------------|----------------------------|---------------------|-------------------------|--------------------------|-------------------------|---|--|
|           |             |              |          |  |   |   | Per Year lb a.i./A                        | Per CC <sup>2</sup> lb a.i./A | Per Year                   | Per CC <sup>2</sup> |                         |                          |                         |   |  |
|           |             |              |          |  | aircraft,   | 2.0<br>EC<br>2.0<br>WDG   |   |                               |                            |                     |                         |                          | NS                      |   | Updated to reflect spray drift mitigation.   |
|           |             | ✓            |          | Post-harvest broadcast   | airblast  | 2.5<br>(3.0/100 gal)<br>EC  | 2.5                                       | NA                            | 1                          | NA                  | NA                      |                          | NS                      | Permitted in Georgia and South Carolina | GA0400001,<br>SC040001<br>SLN Expires:   |
|           |             |              | aircraft |  | 2.0<br>(3.0/100 gal)<br>EC  | 2.0   | Updated to reflect spray drift mitigation |                               |                            |                     |                         |                          |                         |   |  |
|           |             | ✓            |          | pre-plant, foliar; <b>trunk spray/drench or pre-plant dip</b> ; ground | handheld, backpack, drench/dip, handgun, and low pressure hand wand | 2.5<br>(3.0/100 gal)<br>WDG   | 2.5                                       | NA                            | 1                          | NA                  | 14                      | 5                        | NS                      |   | Some labels do not specify minimum retreatment interval.   |
|           |             |              |          |  | <b>3.0</b>  | <b>5.5</b>  | <b>NA</b>                                 | <b>3</b>                      | <b>NA</b>                  | <b>NA</b>           | <b>24</b>               | <b>NS</b>                |                         |   |  |
|           |             |              |          | <b>Total</b>   |   | <b>3.0</b>  | <b>8.0</b>                                | <b>NA</b>                     | <b>3</b>                   | <b>NA</b>           | <b>NA</b>               | <b>24</b>                | <b>NS</b>               | Permitted in Georgia and South Carolina | It is possible that multiple types of applications can occur such as soil, foliar and/or post-harvest and dormant/ |

| Crop/Site | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type                        | Method/<br>Equipment                 | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application<br>Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions         | Comments   |
|-----------|-------------|--------------|----------|---|--------------------------------------|--|--------------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|------------------------------------|--|
|           |             |              |          |   |                                      |  | Per<br>Year<br>lb<br>a.i./A    | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |                                    |  |
|           |             |              |          |   |                                      |  |                                |                                  |                                  |                        |                         |                          |                         |                                    | delayed dormant applications. Excludes nursery applications (See general "Fruits" listing) |
| PEANUT    |             | ✓            |          | Preplant  | Aerial or<br>ground/<br>broadcast    | 2.0<br>EC, WDG   | [4.0]<br>NS                    | 4.0                              | [2]<br>NS                        | 2                      | NA                      | 24                       | 10                      | Do not apply aerial in Mississippi | Assumes one crop cycle per year.   |
|           |             | ✓            |          | At plant,<br>postplant                                |                                      | 4.0<br>G   | [4.0]<br>NS                    | 4.0                              | 2                                | 2                      | 21                      | 24                       | 10                      |                                    |  |
|           |             | ✓            |          | At pegging  |                                      | 2.0<br>G<br>EC, WDG  | [4.0]<br>NS                    | 4.0                              | 2                                | [2]<br>NS              | 21                      | 24                       | 10                      |                                    |  |
|           |             |              |          | <b>Total</b>  | <b>4.0<br/>G<br/>2.0<br/>EC, WDG</b> | <b>4.0</b>   | <b>4.0</b>                     | <b>2</b>                         | <b>2</b>                         | <b>10</b>              | <b>24</b>               | <b>10</b>                |                         |                                    |  |
| PEAR      |             | ✓            |          | <b>dormant/<br/>delayed<br/>dormant<br/>broadcast</b> | aircraft, airblast                   | 2.0<br>WDG, EC   | 2.0                            | NA                               | 1                                | NA                     | NA                      | 24                       | NA                      | Restricted use in California.      | 83222-20 allows 3.0 lb a.i./ A; however, this does not match the 2001 RED.                 |
|           |             | ✓            |          | <b>Post-harvest<br/>broadcast</b>                     | aircraft, airblast                   | 2.0<br>WDG, EC   | 2.0                            | NA                               | 1                                | NA                     | NA                      | 24                       | NS                      | Permitted in California,           |  |

| Crop/Site   | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type | Method/<br>Equipment | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions | Comments   |
|-------------|-------------|--------------|----------|--------------------------------|----------------------|--|-----------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|----------------------------|--|
|             |             |              |          |                                |                      |  | Per<br>Year<br>lb<br>a.i./A | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |                            |  |
|             |             |              |          |                                |                      |  |                             |                                  |                                  |                        |                         |                          |                         | Oregon and<br>Washington.  |  |
|             |             |              |          | <b>Total</b>                   |                      | <b>2.0<br/>WDG, EC</b>   | <b>4.0</b>                  | <b>NA</b>                        | <b>2</b>                         | <b>NA</b>              | <b>NA</b>               | <b>24</b>                | <b>NS</b>               |                            | Multiple types<br>of applications<br>may occur in<br>within a year in<br>California,<br>Oregon and<br>Washington<br>such as a post-<br>harvest<br>application and<br>a dormant,<br>delayed<br>dormant.<br>Excludes<br>nursery<br>applications<br>(See general<br>"Fruits" listing) |
| <b>PEAS</b> |             | ✓            |          | Preplant<br>Seed<br>treatment  | Seed Treatment       | 0.30<br>0.000625 lb/lb<br>seed<br>WP<br><br>0.28<br>0.00058 lb/lb<br>seed<br>EC        | NS                          | NS                               | NS                               | NS                     | NS                      | NS                       | NS                      |                            | There is a range<br>of potential<br>application<br>rates<br>depending on<br>the number of<br>seeds per lb<br>and the number<br>of seeds  |

| Crop/Site | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type              | Method/<br>Equipment        | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions | Comments  |
|-----------|-------------|--------------|----------|---|-----------------------------|--|-----------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|----------------------------|---|
|           |             |              |          |   |                             |  | Per<br>Year<br>lb<br>a.i./A | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |                            |   |
|           |             |              |          |   |                             |  |                             |                                  |                                  |                        |                         |                          |                         |                            | planted per acre. Seeding information provide by BEAD. <sup>2</sup> |
| PECANS    |             | ✓            |          | dormant/<br>delayed<br>dormant<br>broadcast | aircraft, airblast          | 2.0<br>EC, WDG   | 2.0                         | NA                               | 1                                | NA                     | 14                      | 24                       | 10                      |                            | 66222-19 and 66222-233  |
|           |             | ✓            |          | foliar;<br>broadcast                        | airblast                    | 4.3<br>EC, WDG   | 6.3                         | NA                               | 3                                | NA                     | 14                      |                          | 10                      |                            | Some labels require a 28 d PHI                                      |
|           |             |              |          |   | aircraft                    | 2.0<br>EC, WDG   |                             |                                  |                                  |                        |                         |                          |                         |                            | Updated to reflect spray drift mitigation.                          |
|           |             | ✓            |          | foliar;<br>orchard<br>floors<br>broadcast   | Ground boom,<br>chemigation | 4.3<br>EC, WDG   | 4.3                         | NA                               | 2                                | NA                     | 14                      |                          | 10                      |                            |   |
|           |             |              |          |   | <b>Total</b>                |  | <b>4.3</b>                  | <b>12.6</b>                      | <b>NA</b>                        | <b>6</b>               | <b>NA</b>               |                          | <b>14</b>               | <b>24</b>                  | <b>10</b>   |

| Crop/Site              | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type                         | Method/<br>Equipment  | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application<br>Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions | Comments   |
|------------------------|-------------|--------------|----------|--|---|--|--------------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|----------------------------|--|
|                        |             |              |          |  |   |  | Per<br>Year<br>lb<br>a.i./A    | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |                            |  |
|                        |             |              |          |  |   |  |                                |                                  |                                  |                        |                         |                          |                         |                            | For nursery applications (See general "Fruits" listing)  |
| <b>PEPPER</b>          |             | ✓            |          | Foliar   | Ground broadcast  | 1.0<br>WDG   | [8]<br>NS                      | 8.0                              | [8]<br>NS                        | 8                      | 7                       | 24                       | 10                      | Permitted in Florida       | FL040005; 1 crop cycle per year.   |
| <b>PINEAPPLE</b>       |             | ✓            |          | Postplant  | Ground boom, broadcast  | 2.0<br>EC  | 6.0                            | 6.0                              | 3                                | NA                     | 365                     | 24                       | 30                      | Permitted in Hawaii        | HI090001<br>SNL Expires: March 29, 2014.<br>Do not make applications beyond three months after planting. |
| <b>PLUM/<br/>PRUNE</b> |             | ✓            |          | <b>dormant/<br/>delayed<br/>dormant;<br/>broadcast</b> | Aircraft, airblast  | 2.0<br>EC, WDG   | 2.0                            | NA                               | 1                                | NA                     | NA                      | 24/<br>4d                | 10                      |                            |  |
|                        |             | ✓            |          | <b>foliar;<br/>trunk<br/>spray/drench</b>              | handheld, backpack, drench/dip, handgun, and low pressure hand wand | 2.5<br>3.0/100 gal<br>WDG  | 2.5                            | NA                               | 1                                | NA                     | NA                      |                          | 10                      |                            |  |
|                        |             |              |          | <b>Total</b>   |   | <b>2.5</b>   | <b>4.5</b>                     | NA                               | 2                                | NA                     |                         |                          |                         |                            | Excludes nursery applications  |

| Crop/Site             | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type                             | Method/<br>Equipment | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions                                      | Comments   |
|-----------------------|-------------|--------------|----------|--|----------------------|--|-----------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|---|--|
|                       |             |              |          |  |                      |  | Per<br>Year<br>lb<br>a.i./A | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |   |  |
|                       |             |              |          |  |                      |  |                             |                                  |                                  |                        |                         |                          |                         |   | (See general<br>"Fruits" listing)  |
| <b>POULTRY LITTER</b> |             | ✓            |          | When<br>needed,<br>animal<br>bedding/litte<br>r treatment. | Sprayer              | 0.07126<br>a.i./1000 sq ft<br>3.1<br>ME  | NS                          | NA                               | NS                               | NA                     | NA                      |                          | NS                      |   | 53883-264,<br>84575-3  |
| <b>PUMPKIN</b>        |             | ✓            |          | Preplant<br>Seed<br>treatment                              | Seed treatment       | 0.3<br>0.00058 lb /lb<br>seed<br>WP  | [0.3]<br>NS                 | [1]<br>NS                        | [1]<br>NS                        | 1                      | NS                      | NS                       | NS                      | California<br>maximum<br>single rate<br>0.000625 lb<br>a.i./lb. | There is a range<br>of potential<br>application<br>rates<br>depending on<br>the number of<br>seeds per lb<br>and the number<br>of seeds<br>planted per<br>acre. Seeding<br>information<br>provide by<br>BEAD. <sup>4</sup> |
| <b>RADISH</b>         |             | ✓            |          | Foliar   | Broadcast<br>ground  | 1.0<br>EC  | NS                          | 1                                | NS                               | 1                      | NS                      | 24                       | NS                      | permitted in<br>Oregon  | OR090012 on<br>radish grown<br>for seed.<br>Label valid until<br>December 31,<br>2012. (per<br>registrant SLN<br>still valid)  |

| Crop/Site   | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type    | Method/<br>Equipment              | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions                  | Comments   |
|---|-------------|--------------|----------|-----------------------------------|-----------------------------------|--|-----------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|---|--|
|   |             |              |          |                                   |                                   |  | Per<br>Year<br>lb<br>a.i./A | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |   |  |
|   |             | ✓            |          | Preplant                          | Soil<br>incorporation<br>ground   | 3.0<br>EC  | 12.0                        | 3.0                              | 4                                | 1                      | NS                      | NS                       | 10                      |   |  |
|   |             | ✓            |          | At<br>plant/post-<br>plant        | In furrow<br>drench/<br>treatment | 3.0<br>EC<br>2.8<br>G  | [12.0]<br>NS                | 3.0                              | [4]<br>NS                        | 1                      | 30,<br>EC,<br>7, G      | 24                       | 10                      |   | Only one<br>granular<br>application<br>permitted.                  |
|   |             |              |          | <b>Total</b>                      |                                   | <b>3.0</b>   | <b>[12.0]<br/>NS</b>        | <b>2</b>                         | <b>[5]<br/>NS</b>                |                        |                         |                          |                         |   | Only one at<br>plant or in<br>furrow<br>application is<br>assumed. |
| <b>RIGHTS OF WAY,<br/>ROAD MEDIANS</b>            |             |              |          | When<br>needed, soil<br>broadcast | Granular or low<br>pressure wand  | 1.0<br>EC, G, Bait   | [2.0]<br>NS                 | NA                               | 2                                | NA                     | NA                      | NS                       | 7                       |   | Apply when<br>needed   |
| <b>RUTABAGA</b>                                   |             | ✓            |          | Preplant                          | Chemigation,<br>Groundboom        | 2.4<br>EC, WDG   | [4.8]<br>NS                 | 2.4                              | [2]<br>NS                        | 1                      | 30                      | 24                       | 10                      |   |  |
|   |             |              | Aerial   |                                   | 2.0<br>EC, WDG                    | 2.0  |                             |                                  |                                  |                        |                         |                          |                         |   |  |
|   |             | ✓            |          | At<br>plant/post-<br>plant        | In furrow<br>drench/<br>treatment | 2.4<br>EC, G WDG   | 4.8                         | 2.4                              | [2]<br>NS                        | 1                      | 7                       | 24                       | 10                      | Disallowed<br>in California<br>and Arizona. | Two crop cycles<br>per year  |
|   |             |              |          | <b>Total</b>                      |                                   | <b>2.4</b>   | <b>[9.6]<br/>NS</b>         | <b>4.8</b>                       | <b>[4]<br/>NS</b>                | <b>2</b>               |                         | <b>24</b>                | <b>10</b>               |   |  |
| <b>SEWER<br/>MANHOLE<br/>COVERS AND<br/>WALLS</b> |             |              |          | When<br>needed                    | Low pressure                      | 0.31<br>lb/manhole<br>RTU  | NS                          | NA                               | NS                               | NA                     | NA                      | NA                       | NS                      |   | 3 pints product/<br>manhole  |

| Crop/Site             | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type     | Method/<br>Equipment                                 | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions | Comments  |
|-----------------------|-------------|--------------|----------|------------------------------------|--|--|-----------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|----------------------------|---|
|                       |             |              |          |                                    |  |  | Per<br>Year<br>lb<br>a.i./A | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |                            |   |
| SEED ORCHARD<br>TREES |             | ✓            |          | foliar;<br>broadcast               | Ground boom  | 1.0<br>EC  | 3.0                         | 3.0                              | NS                               | NA                     | 30                      | 24                       | 7                       |                            | 62719-575,<br>62719-615   |
|                       |             |              |          |                                    | High volume<br>sprayer                               | 2.5<br>0.01<br>a.i./tree<br>0.02 EC  | 2.5                         | NS                               | [1]<br>NS                        | NA                     | 30                      | 24                       | 7                       |                            | Cone worm<br>treatment<br>(62719-575 and<br>62719-615)<br>Treatment of<br>1000 trees per<br>acre would<br>results in an<br>single<br>application rate<br>of 10 lb a.i./a.<br>DAS: 1000 is a<br>bit high,<br>typically for<br>orchards 312<br>trees per acre |
|                       |             | ✓            |          | foliar; <b>stump<br/>treatment</b> | backpack,<br>drencher, low<br>pressure hand<br>wand, | 0.3<br>EC  | 0.3                         | 1.0                              | NS                               | NA                     | 30                      | 24                       | 7                       |                            | 62719-575,<br>62719-615   |
|                       |             |              |          | <b>Total</b>                       |  | <b>1.0</b>   | <b>5.8</b>                  | <b>3</b>                         | <b>NS</b>                        | <b>NA</b>              | <b>30</b>               | <b>24</b>                | <b>7</b>                |                            | The total<br>number of<br>applications<br>assumed is<br>either three<br>foliar<br>applications or   |



| Crop/Site     | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type           | Method/<br>Equipment                  | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions | Comments  |
|---------------|-------------|--------------|----------|--|---------------------------------------|--|-----------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|----------------------------|---|
|               |             |              |          |  |                                       |  | Per<br>Year<br>lb<br>a.i./A | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |                            |   |
|               |             |              |          |  |                                       |  |                             |                                  |                                  |                        |                         |                          |                         |                            | two foliar applications with one stump treatment. |
| SORGHUM GRAIN |             | ✓            |          | Seed Treatment                           | Seed treatment                        | [0.0009]<br>0.01-<br>0.0024 lb ai/<br>100 lbs seed<br>EC                               | 0.01                        | 0.01                             | [1]<br>NS                        | 1                      | NA                      | NS                       | NS                      |                            | 264-932   |
|               |             | ✓            |          | Preplant Soil Directed                   | Ground Spreader/T Band                | 1.5<br>G   | 1.5                         | 1.5                              | [1]<br>NS                        | 1                      | 60                      | 24                       | 10                      |                            |   |
|               |             | ✓            |          | Foliar/Post emergent                     | Ground, Aerial, Chemigation           | 1.0<br>EC, WDG   | 1.5                         | [1.5]<br>NS                      | [1]<br>NS                        | 3                      | 30                      | 24                       | 10                      |                            | PHI varies across labels                          |
|               |             |              |          | <b>Total</b>                             |                                       | <b>3.3<br/>G<br/>1.0<br/>EC, WDG</b>   | <b>3.01</b>                 | <b>3.01</b>                      | <b>[3]<br/>CBD</b>               | <b>3</b>               | 30                      | 24                       | 10                      |                            | One crop cycle per year.                          |
| SOYBEAN       |             | ✓            |          | foliar , post-emergence soil broadcast   | broadcast ground, aerial, chemigation | 1.0<br>EC, WDG   | 3.0                         | 3.0                              | 3                                | 3                      | 28                      | 24                       | 14                      |                            | One crop cycle per year.                          |
|               |             | ✓            |          | At plant/post plant treatment; soil band | ground boom                           | 2.2<br>G<br>1.0 EC   | 3.0                         | 3.0                              | 1 (G), 3 (EC)                    | 1 (G), 3 (EC)          | 28                      | 24                       | 10                      |                            |   |
|               |             |              |          | <b>Total</b>                             |                                       | <b>1.0<br/>EC, WDG<br/>2.2</b>   | <b>3.0</b>                  | <b>3.0</b>                       | <b>3</b>                         | <b>3</b>               |                         |                          |                         |                            | One crop cycle per year.                          |

| Crop/Site            | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type | Method/<br>Equipment                               | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions    | Comments  |
|----------------------|-------------|--------------|----------|--------------------------------|--|--|-----------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|-------------------------------|---|
|                      |             |              |          |                                |  |  | Per<br>Year<br>lb<br>a.i./A | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |                               |   |
|                      |             |              |          |                                |  | <b>G</b>   |                             |                                  |                                  |                        |                         |                          |                         |                               |   |
| <b>STRAW-BERRIES</b> |             | ✓            |          | Pre-plant                      | Aerial or<br>ground/<br>broadcast                  | 2.0<br>EC  | 2.0                         | <b>NS</b>                        | 1                                | <b>NS</b>              | NA                      | 24                       | 10                      | No use in<br>Mississippi      | 33658-26  |
|                      |             | ✓            |          | Foliar                         | Aerial or<br>ground/<br>broadcast,<br>foliar spray | 1.0<br>EC, WDG   | 2.0                         | <b>NS</b>                        | 2                                | <b>NS</b>              | 21                      | 24                       | 10                      |                               | Two<br>applications (2<br>lb ai) for all<br>products per cc.  |
|                      |             | ✓            |          | Post harvest                   | Ground<br>directed spray                           | 1.0<br>EC, WDG   | 2.0                         | <b>NS</b>                        | 2                                | <b>NS</b>              | 21                      |                          | 14                      |                               |   |
|                      |             |              |          |                                | <b>Total</b>                                       |  | <b>2.0</b>                  | <b>4.0</b>                       | <b>3</b>                         |                        |                         |                          |                         |                               | One preplant<br>application and<br>two foliar<br>and/or<br>postharvest<br>application<br>permitted per<br>year. |
| <b>SUNFLOWER</b>     |             | ✓            |          | At plant                       | Aerial/ground                                      | 2.0<br>G   | 3.0                         | 3.0                              | [1]<br>NS                        | 1                      | 42                      | 24                       | 10                      |                               | Per registrant 1<br>cc per year   |
|                      |             | ✓            |          | Preplant                       |  | 2.0<br>EC, WDG   | 3.0                         | 3.0                              | [1]<br>NS                        | 1                      | 42                      |                          | 10                      | 2 inches min<br>incorporation |   |
|                      |             | ✓            |          | Post<br>emergent or<br>foliar  |  | 1.5<br>EC, WDG   | 3.0                         | 3.0                              | [2]<br>NS                        | 2                      | 42                      |                          | 10                      |                               |   |
|                      |             |              |          |                                | <b>Total</b>                                       |  | <b>2.0</b>                  | <b>5.0</b>                       | <b>5.0</b>                       | <b>3</b>               | <b>3</b>                |                          |                         |                               | Assumed either<br>an at plant or<br>preplant  |

| Crop/Site    | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type                    | Method/<br>Equipment                              | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application<br>Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions                              | Comments   |
|--------------|-------------|--------------|----------|---|---|--|--------------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|---|--|
|              |             |              |          |   |   |  | Per<br>Year<br>lb<br>a.i./A    | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |   |  |
|              |             |              |          |   |   |  |                                |                                  |                                  |                        |                         |                          |                         |   | application followed with two foliar applications.<br><br>One crop cycle per year                    |
| SWEET POTATO |             | ✓            |          | Preplant, soil broadcast                          | Aircraft, ground boom                             | 2.1<br>G, EC, WDG  | 2.1                            | NS                               | 1                                | 1                      | 125                     | 24                       |                         | LA090002,M<br>S080007,<br>NC090001<br>permits 60<br>PHI |  |
|              |             |              |          |   | Aircraft  | 2.0<br>G, EC, WDG  |                                |                                  |                                  |                        |                         |                          |                         |   | Updated to reflect spray drift mitigation.   |
| TOBACCO      |             | ✓            |          | Preplant  | Aircraft, ground boom                             | 2.0<br>EC, G, WDG  | 2.0                            | NS                               | 1                                | 1                      | 7                       | 24                       | NA                      |   |  |
| TRITICALE    |             | ✓            |          | Storage<br>Commercial<br>Slurry Seed<br>Treatment | Seed treatment                                    | 0.003<br>0.0024 lb ai/<br>100 lbs seed<br>EC   | [0.003]<br>NS                  | [1]<br>NS                        | [1]<br>NS                        | [1]<br>NS              | NA                      | [10]<br>NS               | [10]<br>NS              |   | 264-932<br>Seeding<br>information<br>provide by<br>BEAD. <sup>4</sup><br>One crop cycle<br>per year. |
| TURNIP       |             | ✓            |          | Preplant  | soil<br>incorporation/<br>ground boom,<br>handgun | 2.3<br>G, WDG  | [4.6]<br>NS                    | 2.3                              | [2]<br>NS                        | 1                      | 30                      | 24                       | 10                      |   | Minimum<br>incorporation:<br>2 inches.   |
|              |             | ✓            |          | Postplant   | Soil<br>incorporation/<br>ground boom,<br>handgun | 2.3<br>G, WDGP   | [4.6]<br>NS                    | 2.3                              | [2]<br>NS                        | 1                      | 30                      | 24                       | 10                      |   | Minimum<br>incorporation:<br>2 inches.   |

| Crop/Site  | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type | Method/<br>Equipment | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic<br>Restrictions | Comments  |
|--|-------------|--------------|----------|--------------------------------|----------------------|--|-----------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|-------------------------|----------------------------|---|
|  |             |              |          |                                |                      |  | Per<br>Year<br>lb<br>a.i./A | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |                         |                            |   |
|  |             |              |          | <b>Total</b>                   |                      | <b>2.3</b>   | <b>4.6</b>                  | <b>2.3</b>                       | <b>2</b>                         | <b>1</b>               | <b>30</b>               | <b>24</b>                | <b>10</b>               |                            | Assumed either a preplant or postplant application. Two crop cycles per year  |
| <b>UTILITIES</b><br>For use in and around telecommunications, power, utilities and railroad systems equipment: Buried cables, cable television pedestals, cables, pad-mounted electric power transformers, telephone cables, underground vaults, telecommunications equipment, power and utilities equipment |             |              |          | When needed, broadcast         | Product container    | 1<br>G<br>0.44 lba.i./100 sq ft (see comments)   | 1                           | NS                               | [1]<br>NS                        | NS                     | NS                      | NS                       | NS                      |                            | Applications permitted as needed. Reg. Nos. 13283-14, 13283-17 Broadcast product onto the ground covering the area of the pad location, plus a two foot perimeter around the outside of the pad location. |

| Crop/Site   | Residential | Agricultural | Forestry | Timing; Application Type                     | Method/ Equipment                     | Maximum Single Application Rate by Formulation <sup>1</sup> (lb a.i./A) | Maximum Application Rate |                               | Maximum Application Number |                     | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic Restrictions | Comments   |
|---|-------------|--------------|----------|--|---------------------------------------|---|--------------------------|-------------------------------|----------------------------|---------------------|-------------------------|--------------------------|-------------------------|-------------------------|--|
|   |             |              |          |  |                                       |   | Per Year lb a.i./A       | Per CC <sup>2</sup> lb a.i./A | Per Year                   | Per CC <sup>2</sup> |                         |                          |                         |                         |  |
| WALNUTS   |             | ✓            |          | dormant/<br>delayed<br>dormant;<br>broadcast | Aircraft, airblast                    | 2.0<br>EC, WDG  | 2.0                      | NA                            | 1                          | NA                  | 14                      | 24                       | 10                      |                         | 62719-301 (12 lb a.i./A)   |
|   |             | ✓            |          | foliar;<br>broadcast                         | aircraft,<br>airblast,<br>chemigation | 2.0<br>EC, WDG  | 4.0                      | NA                            | 2                          | NA                  | 14                      |                          | 10                      |                         | Some labels do not specify retreatment interval.   |
|   |             | ✓            |          | foliar;<br>orchard<br>floors<br>broadcast    | Ground boom,<br>chemigation           | 4.0<br>EC, WDG  | 4.0                      | NA                            | 1                          | NA                  | 14                      |                          | 10                      |                         |  |
|   |             |              |          | <b>Total</b>                                 |                                       | <b>4.0</b>  | <b>10.0</b>              |                               | <b>4</b>                   |                     |                         |                          |                         |                         | Excluding nursery applications; includes dormant, foliar broadcast, and orchard floor. For nursery applications (See general "Fruits" listing) |
| WIDE AREA/<br>GENERAL<br>OUTDOOR<br>TREATMENT<br>For ants and<br>other misc. pests. | ✓           | ✓            |          | when<br>needed,<br>Broadcast                 | Ground sprayer                        | 0.5084 lb<br>ai/100 gal<br>EC   | [1.02]<br>NS             | NA                            | 2                          | NA                  | NA                      | NS                       | NS                      |                         | 66222-19   |
|   |             |              |          | when<br>needed,<br>Drench                    | Drench                                | 1.0   | NS                       | NA                            | NS                         | NA                  | NA                      |                          | NS                      | 228-624                 |  |
|   |             |              |          |  |                                       | [1.0]   | NS                       | NA                            | NS                         | NA                  | NA                      |                          | NS                      | 228-625                 |  |

| Crop/Site    | Residential | Agricultural | Forestry | Timing;<br>Application<br>Type | Method/<br>Equipment           | Maximum<br>Single<br>Application<br>Rate by<br>Formulation <sup>1</sup><br>(lb a.i./A) | Maximum<br>Application Rate |                                  | Maximum<br>Application<br>Number |                        | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup>                        | Geographic<br>Restrictions   | Comments   |
|--------------|-------------|--------------|----------|--------------------------------|--------------------------------|--|-----------------------------|----------------------------------|----------------------------------|------------------------|-------------------------|--------------------------|--|--|--|
|              |             |              |          |                                |                                |  | Per<br>Year<br>lb<br>a.i./A | Per CC <sup>2</sup><br>lb a.i./A | Per<br>Year                      | Per<br>CC <sup>2</sup> |                         |                          |  |  |  |
|              |             |              |          |                                |                                | 8.2 lb a.i./100<br>gal EC  |                             |                                  |                                  |                        |                         |                          |  |  |  |
|              |             |              |          | <b>Total</b>                   |                                | [1.0]  | [12.0]<br>NS                | NA                               | NS                               | NA                     | NA                      |                          |  |  |  |
| <b>WHEAT</b> |             | ✓            |          | Slurry Seed<br>Treatment       | Seed treatment                 | 0.003<br>0.0024 lb ai/<br>100 lbs seed<br>EC   | [0.006]<br>NS               | 1                                | [2]<br>NS                        | 1                      | NA                      | NA                       | NA   | Only for use<br>in AZ, CA,<br>CO, ID, KS,<br>MN, MO,<br>NE, NM, NV,<br>ND, OK, OR,<br>SD, TX, UT,<br>WA and WY | Seeding<br>information<br>provide by<br>BEAD. <sup>4</sup>   |
|              |             | ✓            |          | Foliar, soil<br>treatment      | Ground,<br>broadcast           | 0.5<br>EC  | [8.0]<br>NS                 | 4.0                              | [2]<br>NS                        | 1                      | 14/<br>28               | 14                       | PHI: 14 forage<br>or hay, 28 grain<br>or straw |  |  |
|              |             |              | ✓        | Post-<br>emergence<br>foliar   | Ground, Aerial,<br>Chemigation | 1.0<br>EC  | [4.0]<br>NS                 | 2.0                              | [4]<br>NS                        | 2                      | 14/<br>28               | 24                       | NS   |  | Label states 1.0<br>lb ai/A for<br>cereal leaf<br>beetles and<br>then state max<br>rate 0.5 lb ai/A<br>in restriction).<br>Some labels<br>restrict no<br>more than 2<br>applications per<br>crop/season<br>PHI 14 forage<br>or hay, 28 grain<br>or straw |

| Crop/Site   | Residential | Agricultural | Forestry | Timing; Application Type            | Method/ Equipment                                   | Maximum Single Application Rate by Formulation <sup>1</sup> (lb a.i./A) | Maximum Application Rate |                               | Maximum Application Number |                     | PHI (days) <sup>3</sup> | REI (hours) <sup>3</sup> | MRI (days) <sup>3</sup> | Geographic Restrictions | Comments                             |
|---|-------------|--------------|----------|-------------------------------------|---|---|--------------------------|-------------------------------|----------------------------|---------------------|-------------------------|--------------------------|-------------------------|-------------------------|--------------------------------------|
|   |             |              |          |                                     |   |   | Per Year lb a.i./A       | Per CC <sup>2</sup> lb a.i./A | Per Year                   | Per CC <sup>2</sup> |                         |                          |                         |                         |                                      |
|   |             |              |          | <b>Total</b>                        |   | [1]<br>4.0<br>EC  | [12.006<br>]             | [6.003]<br>5.0                | [8]<br>NS                  | [4]<br>2            |                         |                          |                         |                         | MO otherwise 2.0 plus seed treatment |
| <b>WOOD PROTECTION TREATMENT TO BUILDINGS/ PRODUCTS OUTDOOR</b>   |             |              |          | When needed, Wood surface treatment | Low pressure handwand, backback sprayer, paintbrush | 16.65 lb/10,000 sq ft<br>0.17 lb a.i./gal<br>EC                         | NS                       | NA                            | NS                         | NA                  | NS                      | NS                       | NS                      |                         |                                      |
|   |             |              |          |                                     |   | 0.08 lb ai/gal<br>EC, RTU EC,<br>ME                                     | NS                       | NA                            | NS                         | NA                  | NS                      | NS                       | NS                      |                         |                                      |
| <p>1. EC - emulsifiable concentrate; WDG – water dispersible granular in water soluble packet; WP – wettable power in water soluble packet; B – bait (granular), G – granular; ME – microencapsulated; RTU – ready to use.</p> <p>2. Reported as per crop cycle or per season</p> <p>3. PHI – Preharvest interval; REI – reentry interval; MRI – Minimum retreatment interval</p> <p>4. Becker, J.; Ratnayake, S. Acres Planted per Day and Seeding Rates of Crops Grown in the United States, U.S. EPA OPP/BEAD, 2011; example calculations provided below:<br/> Beans: 0.00058 lb a.i./lb seed / 960 seeds/lb seed x 418,176 seeds/A [pgs. 19, 81 (beans, succulent)]<br/> Corn: 0.000625 lb a.i./lb seed / 1,800 seeds/lb seed x 59,739 seeds/A [pgs. 24, 81 (corn, sweet)]<br/> Cotton: 0.00116 lb a.i./lb seed / 4,500 seeds/lb seed x 85,00 seeds/A [pgs. 13, 81]<br/> Cucumber: 0.00058 lb a.i./lb seed / 12,000 seeds/lb seed x 80,418 seeds/A [pgs. 25, 81]<br/> Peas: 0.000625 lb a.i./lb seed / 1,361 seeds/lb seed x 653,400 seeds/A [pgs. 34, 82]<br/> Pumpkin: 0.00058 lb a.i./lb seed / 1,600 seeds/lb seed x 7,260 seeds/A [pgs. 37, 82]<br/> Sorghum: 0.001 lb a.i./lb seed / 11,000 seeds/lb seed x 100,000 seeds/A [pgs. 16, 39]<br/> Triticale: 0.003 lb a.i./100 lb seed / 109 lb seed/A [pg.16]<br/> Wheat: 0.003 lb a.i./100 lb seed /116 lb seed/A [pg. 16]<br/> [ ] indicate assumptions that are made when the information is not specified but can be inferred</p> |             |              |          |                                     |   |   |                          |                               |                            |                     |                         |                          |                         |                         |                                      |