**Appendix 1-3. Abbreviated Use Summary Table for Diazinon**

**Table B 1-3.1** is an abbreviated version of a use summary table agreed to by the registrants for agricultural uses. **Table B 1-3.2** summarizes the registrations for cattle ear tag uses of diazinon.

|  |  |  |
| --- | --- | --- |
|  | | |
| Possible aggregate use patterns, not disallowed by the labels, highlighted in Red (currently do not include crop cycles per year) | | | | | | | | |  |  |  |
| TX SLN stuff is in peach | | | | | | | | |  |  |  |
| crop categories in blue | |  | |  |  |  |  |  |  |  |  |
| ADAMA comments shown in red and orange highlighting. | | | | |  |  |  |  |  |  |  |
| **Table B 1-3.1. Diazinon use summary - revisions 9.24.14 by K. Nguyen, Katrina White updated CA-050002 SLN summary based on email received from K. Nguyen on 11/26/2014.** | | | | | | | | | |  |  |
| **Uses** | **App Timing** | **App type\*\*** | | **Formulation** | **Max App rate / App (ai/A)** | **# of applications/year unless otherwise specified** | **Max app rate/year (lbs a.i./A/yr)** | **CC per yre** | **MRI (days)** | **Comments** | **Labels** |
| Tree Nuts | | | | | | | | | | | |
| Almonds | Dormant | Ground, airblast | | WP | 3 | 1 | 3 | 1 | -- | CA only. | 66222-10\* |
| WP, EC | 2.99 - 3 | 1 | 3 | -- | CA only. Some labels do not specify a maximum number of applications per year. | 5905-248, 66222-9, 19713-492, 19713-91, 66222-103 |
| Filberts | With infestation | Ground, airblast | | WP, EC | 0.5 | 1 | 0.5 |  | -- | WA only. Filbert leafroller, aphids | 5905-248,66222-9, 66222-10 |
| Stone Fruit | | | | | | | | | | | |
| Apricot | Dormant, Foliar | Ground, airblast | | WP, EC | 2 | 2 (1 foliar, 1 dormant) | 4\* | 1 | 60 Days between Dormant App & In-Season Application; 120 Days between Dormant App & Post Harvest Application |  | 5905-248, 66222-9, 66222-10, 19713-492, 19713-91, 66222-103 |
| Cherries | Dormant, Preharvest, Post-harvest | Ground, airblast | | WP, EC | 2 | 2 (1 foliar, 1 dormant) | 4 | 1 | 30 Days between Dormant App & In-Season Application;90 Days between Dormant App & Post Harvest Application |  | 5905-248, 66222-9, 66222-10, 19713-492, 19713-91, 66222-103 |
| Peaches, Nectarines | Dormant, foliar, post-harvest | Ground, airblast | | WP, EC | 2 | 2 (1 foliar, 1 dormant) | 4\* | 1 | 60 Days between Dormant App & In-Season Application; 120 Days between Dormant App & Post Harvest Application (Postharvest application not labeled for nectarines) |  | 5905-248, 66222-9, 66222-10, 19713-492, 19713-91, 66222-103 |
| Plums, prunes | Dormant and Foliar | Ground, airblast | | WP, EC | 2 | 2 (1 foliar, 1 dormant) | 4\* | 1 | 60 Days between Dormant App & In-Season Application; 120 Days between Dormant App & Post Harvest Application |  | 5905-248, 66222-9 66222-10, 19713-492, 19713-91, 66222-103 |
| Berries | | | | | | | | | | | |
| Blueberries | Foliar and ant control | Ground, Airblast | | WP, EC | 0.5 - 1 | 2 (1 foliar, 1 ant control) Yr | 2 | 1 | 30 | 0.5 lbs a.i. per ant mound but also has limitation for lbs per acre | 5905-248, 66222-9, 66222-10, 19713-492, 19713-91, 66222-103 |
|  | Ant mounds | | 0.5 - 1 |  |
| Caneberriesg | Foliar spray or drench to crown and lower canes before bud break | Ground, Airblast | | WP, EC | 1.99-2 | 1 | 2\* | 1 | Single application allowed per year | CA, OH, OR, and WA only | 5905-248, 66222-9, 66222-10, 19713-492, 19713-91, 66222-103 |
| Cranberries | Foliar | Ground, Airblast | | WP, EC | 3 | 3 | 9\* | 1 | 14 | Larval stage for blackheaded fireworm, berry inspection for eggs or larval for cranberry fruitworm, and cranberry tipworm. | 5905-248,66222-9, 66222-10, 19713-492, 19713-91, 6222-103 |
| Strawberries | Foliar, before plant | Ground, Soil inc. | | WP, EC | 1 | 2 (1 foliar, 1 soil) | 2 | 1 | 30 | For soil application, broadcast before transplant and then incorporate 1-2 inches | 5905-248, 66222-9, 66222-10, 19713-492, 19713-91, 66222-103 |
| Figs | With infestation | Ground, Airblast | | WP, EC | 0.5 | 1 | 0.5\* | 1 (USDA, 1999b) | -- | CA only. Vinegar flies-drosphilia spp., dried fruit beetle | 5905-248, 66222-9, 66222-10 |
| Vegetable Crops | | | | | | | | | | | |
| Beans, succulent | Before planting | Soilf inc. | | WP, EC | 4 | 1 | 4\* | 1 Spring and 1 Fall Crop | -- | Incorporation depth 1-8 inches | 5905-248, 66222-9, 66222-10 |
| Parsley | Before planting | Soilf inc. | | EC | 4 | 1 | 4 | 2 | NA | TX only. Incorporation depth 2-8 inches depending on pest | TX-040026 |
| Swiss Chard | Before planting | Soilf inc. | | EC | 4 | 1/cc | 4/cc | 2 | NA | TX only. Incorporation depth 2-8 inches depending on pest | TX-040026 |
| With infestation | Foliar | | 0.5 | 5/cc | 2.5\* | 7 | TX only. |
| Aggregate TX | Combined soil inc. and foliar applications allowed in TX. | | | | 6/cc | 6.5/cc | 2 | -- | Aggregate applies to TX only. | -- |
| Cucumbers, | Before planting | Soilf inc. | | EC | 4 | 1/ | 4\* | 1 | NA | TX only. Incorporation depth 2-8 inches. | TX-040026 |
| With infestation | Foliar | | 0.5 | 5/ | 2.5\* | 7 |
| Aggregate TX | Combined soil inc. and foliar applications allowed in TX. | | | | 6/cc | 6.5\*/cc | 1 | -- | Aggregate applies to TX only. |
| Summer and winter squash | Before planting | Soilf inc. | | EC | 4 | 1/cc | 4\* | 2 | 7 | PHI (Summer squash 3) (winter squash and cucumbers 7) | TX-040026 |
| With infestation | Foliar | | 0.75 | 5/cc | 3.75\* |  |
| Aggregate TX | Combined soil inc. and foliar applications allowed in TX. | | | | 6/cc | 7.75/cc | 2 | -- | Aggregate applies to TX only. |
| Sweet potato | Before planting | Soilf inc. | | EC | 4 | 1 | NS | 1 |  | Sweet potato incorporation depth is 4-8 inches. | TX-040026 |
| Cole cropsa, Endive | Before planting | Soilf inc. | | WP, EC | 4 | 1 | 4\* | 2 | -- | Incorporation depth 2-8 inches | 5905-248,66222-9, 66222-10, 19713-492, 19713-91, 66222-103 |
| 1 | 1\* | Incorporation depth 1-2 inches |
| Cole Cropsb | At transplant | Spray to base of plant with tractor mounted drop nozzle | | WP, EC | 0.25, 1, 3.75, 4.00 | 1 | 4 | 2 | -- |  | 5905-248, 66222-9, 66222-10, 19713-492, 19713-91, 66222-103 |
|
| Ginseng | At infestation | Ground | | WP, EC | 0.5 | 1 | 0.5\* | less than 1 (multi year crop) | -- | Leafhoppers, aphids, lygus bugs, flea beetles, jumping plant lice | 5905-248, 19713-91, 66222-103, 66222-9 |
| Lettuce | Before planting | Aerial or ground to Soilf inc. | | WP, EC | 2 | 2 (1 foliar, 1 soil) | 4 | 2 | 30 | Incorporate 2-8 inches | 5905-248, 66222-9, 66222-10, 19713-492, 19713-91, 66222-103 |
| 1 | Incorporate 1 to 2 inches |
| Foliar, with infestation | Aerial or Ground | | 0.5 | Aphids, Dipterous, leafminer |
| Melons | Before planting | Soilf inc. | | WP, EC | 4 | 1 soil only; 2 (1 soil, 1 foliar honeydew only) | 4 |  |  | Incorporate 2-8 inches | 5905-248, 66222-9, 66222-10, 19713-492, 19713-91, 66222-103 |
| Foliar (honeydew only) | Ground | | 0.74-0.8 | 0.8 |  | 30 |  |  |
| Onions and other bulb vegetablesd | Before planting | Soilf inc. | | WP, EC | 4 | 1 | 4\* | 2 | -- | Incorporate 3-8 inches | 5905-248, 66222-9, 66222-10, 19713-492, 19713-91, 66222-103 |
| peas | Before planting | Soilf inc. | | EC | 4 | 1 | 4\*/cc | 1 | -- | TX only. | TX-040026 |
| With infestation | Foliar | |  | 0.5 | 3 | 1.5/cc | -- | TX only. |  |
| Aggregate TX | Combined soil inc. and foliar applications allowed in TX. | |  |  | 4 | 5.5\*/cc | -- | Aggregate only applies to TX. | -- |
| Peppers | Before planting | Soilf inc. | | EC | 4 | 1/cc | 4\*/cc | 1 | NS | May only be used in TX, GA, and CA only. Incorporate 2-8 inches. In CA, do not apply within a distance of 100 feet of lakes, ponds, streams and estuaries unless a suitable method is used to contain or divert runoff waters. In CA, must incorporate 4-8 inches. | TX-040026, GA-020003, CA030014 |
| Before planting | Soilf inc. | | 1 | 1/cc | 1\*/CC | NS | May only be used in TX and GA only. Incorporate 1-2 inches |  |
| With infestation | Foliar | | 0.5 | 5/cc |  | 7 | May only be used in TX. |  |
| Aggregate TX | Combined soil inc. and foliar applications allowed in TX. | | | | 6/cc | 5\*/cc | -- | Aggregate only applies to TX. | -- |
| Spinach | Before planting | Soilf inc. | | WP, EC | 4 | 1 | 4 | 2 | 1 | Incorporate 1-2 inches for 1 lb a.i./A and 2-8 inches for 4 lbs a.i./A. | 5905-248, 66222-9, 66222-10, 19713-91, 66222-103 |
| Red beet, radishes, carrots, rutabagas | Before planting | Soilf inc. | | WP, EC | 4 (rutabegas 3-4) | 1/yr | 4\* | red beets - 2 radishes 2- 3 carrots and rutabagas - 1 (in California) |  | Incorporate 2-8 inches for 4 lbs a.i./A. | 5905-248, 66222-9, 66222-10, 19713-492, 19713-91, 66222-103, |
| 1 | 1\* | Incorporate 1-2 inches for 1 lb a.i./A |  |
| Turnips | Before planting | Soilf inc. | | EC | 4 | 1/cc | 4\*/cc | 2-3 | 3 | May only be used in TX and GA. Incorporate 2-8 inches. | TX-040026, GA020002 |
| 1 | 1/cc | 1\*/cc | 3 | May only be used in TX and GA. Incorporate 1-2 inches. |  |
| As insects occur | Foliar | | 0.5 | 5/cc | 2.5\*/cc | 3 | May only be used in TX. Treat aphids, flea beetles, leafminers |  |
| Aggregate TX | Combined soil inc. and foliar applications allowed in TX. | | | | 6 | 6.5\*/cc | -- |  | Aggregate only applies to TX. | -- |
| Potatoes | Before planting | Soilf inc. | | WP, EC | 4 | 1/ | 4 | 1 | -- | WA040034 has a 25 foot buffer (for ground applications) between application and fish bearing water to protect endangered species.DE, ID, OH, OR, TX and WA only. Incorporate 4-8 inches (DE, WA, OR). Incorporate 2-8 inches (ID, OH, TX) | WA040034, ID030018, ID020003, OH070003, DE060001, TX-040026, (supplement to 66222-9 and 5905-248) |
| Tomatoes | Before planting | Soilf inc. | | WP, EC | 3.75-4 | 1 | 3.75-4\* | 1-2 (not back to back) | -- | Incorporate 2-8 inches | 5905-248, 66222-9, 66222-10, 19713-91, 19713-492, 66222-103 |
| WP, EC | 1 | 1\* |  | -- | Incorporate 1-2 inches | 5905-248, 66222-9, 66222-10, 19713-492, 19713-91 |
| ~~With infestation~~ | ~~Foliar~~ | | ~~EC~~ | ~~0.8~~ | ~~5~~ |  |  | ~~7~~ | ~~Vinegar flies~~ | ~~19713-91~~ |
| Aggregate US | Combined soil inc. and foliar applications. | | | | 6 | 8 |  | -- | -- | -- |
| Parsnips | As insects occur | Foliar | | EC | 0.996 | 5 | 5\* | 1 | 7 |  | TX-040026 |
| Pome Fruit | | | | | | | | | | | |
| apples | Dormant and Foliar | Ground, airblast | | WP | 2 | 2 (1 dormant/ 1 foliar) | 4\* |  | 14 |  | 19713-492 |
| Dormant, Delayed dormant, Foliar | Ground, airblast | | WP, EC | 2 | 2 (1 dormant/1foliar) | 4\* | 60 Days between Dormant App & In-Season Application; 120 Days between Dormant App & Post Harvest Application |  | 66222-10, 66222-103 |
| pears | Dormant, Delayed Dormant and foliar | Ground, airblast | | WP, EC | 2 | 2 (1 foliar, 1 dormant) | 4\* |  | 70 Days between Dormant App & In-Season Application |  | 66222-10, 19413-492, 66222-103 |
| Other | | | | | | | | | | | |
| Pineapple | foliar | Ground, airblast | | WP | 1 | 2 | 2\* | less than 1 (multi year crop) | 28 | NS MRID is on 19713-492. | 66222-10, 19713-492 |
| Ornamentals grown outdoor in nurseries (trees, bushes, herbs, nonflowering plants, flowers, shrubs, vines) | Nursery stock | Ground, Airblast | | WP, EC | 1 | 1/cc | 1\*/cc | Varies 1 to several | -- | Commercial grown ornamentals in outdoor nurseries | 5905-248, 66222-9, 66222-10, 19713-492, 19713-91, 66222-103 |
| **Application made when infestation occurs** | soil drench of compromised containerized nursery stock in quarantine | | EC | 5 | 3 | 15 |  | 14 |  | CA-050002h |
| NS=not specified; inc.=incorporated; CC=Crop Cycle; PHI=Preharvest interval  \*Maximum yearly application rate was calculated as the maximum single application rate times the maximum number of applications.  a Cole Crops include: broccoli, broccolini, Brussels sprouts, cabbage, cauliflower, broccoflower, kale, mustard greens, and collards.  b Includes broccoli, broccolini, Brussels sprouts, cabbage, cauliflower, and broccoflower  c Melons include cantaloupes, casabas, crenshaws, honeydews, muskmelons, Persians and hybrids, and watermelons.  d Includes bulb and green onion, garlic, leeks, spring onions or scallions, Japanese bunching onions, green shallots, and green escholats. | | | | | | | | | | | |
| f Broadcast then immediately incorporate into soil.  g Caneberries include blackberries, boysenberries, loganberries, raspberries, dewberries.  h Apply only with County Ag Commissioner permission to control fruit fly. Fruit must be removed before application. | | | | | | | | | | | |

|  |  |  |
| --- | --- | --- |
| **Table B 1-3.2. Cattle Ear Tags** | | |
|  |  |  |
| **EPA registration number** | Amount a.i. per tag | **Ingredients** |
| Tags per animal |
| 11556-123 | 0.5 oz. per tag (0.1 oz. a.i./tag) | 20% diazinon |
| 2 tag per animal | 20% coumaphos |
| 61483-80 | 2 tag per animal | 40% diazinon |
| 15 g per tag (6 g a.i./tag) |
| 61483-78 | 15 g per tag (3 g a.i./tag) | 20% diazinon |
| 2 tags per animal |
| 39039-6 | 15 g per tag (4.5 g a.i./tag) | 30% diazinon |
| 2 tag per animal | 10% chlopyrifos |
| 39039-3 | 15 g per tag (3.2 g a.i./tag) | 21% diazinon |
| 2 tags per animal |
| 11556-148 | 14 g per tag (4.9 g a.i./tag) | 35% diazinon |
| 2 tags per animal | 15% coumaphos |