



University of Idaho Pest Management Center

Newsletter

Pest Management News

Newsletter and archives can be found at <http://www.ag.uidaho.edu/ipm/news.htm>
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Pesticide Updates

Proposed Changes to Permethrin Registration

In a June 28 Federal Register Notice, EPA announced proposed changes to permethrin registrations. Permethrin is broad-spectrum, non-systemic, synthetic pyrethroid insecticide that is registered for both commercial and homeowner use, and marketed under many different trade names. EPA has determined that permethrin poses potential residential, worker and environmental risks. To mitigate these risks, the following label changes are proposed:

- Discontinue sponge application methods
- Discontinue all directed spray broadcast and crack and crevice sprays on all residential indoor surfaces except for aerosols
- Require specific directions for use in outdoor residential misting systems
- Require wettable powder formulations to be packed in water soluble packaging
- Require aerial applications to be in closed cab aircraft
- Require 25-foot buffers for ground applications and 100-foot buffers for aerial applications to minimize the risk of spray drift
- For all wide area mosquito abatement products:
 - Reduce daily and yearly maximum application rate
 - Remove 100-foot buffer restriction
 - Specify minimum release height of 100 feet for fixed wing aircraft

- Require <60 micron droplet size for aerial applications and <30 microns for ground applications
- Require all products used for wide area outdoor broadcast application including use on crops, golf courses, nurseries, and sod farms to be sold as Restricted Use Products (RUPs). This does not apply to wide area mosquito adulticide use.
- Require environmental hazards statements concerning the toxicity to aquatic organisms
- Require 12-hour REI except for conifer cone seed harvesting where the REI is now 30 days
- Prohibit use of handheld power duster
- Limit homeowner Ready-to-Use (RTU) spray products for use on indoor surfaces to no more than 0.5% permethrin
- Limit total release fogger formulations to 0.25% permethrin

Additional proposed label changes involved rate changes, elongated Restricted Entry Intervlas (REIs) and reduced seasonal maximum application rates, and were specific to the following crops: alfalfa, apple, pear, cherry, peach/nectarine, corn (field and sweet), potato and various vegetable crops. For more specific information on these changes, view the Pesticide Notification Network (PNN) website: <http://ext.wsu.edu/pnn/user/viewNotification.php>, or the EPA webpage: <http://www.epa.gov/oppsrrd1/reregistration/permethrin/>. EPA is soliciting comments on these proposed changes; comments must be submitted on or before September 26, 2006.

Proposed Changes to Simazine (Princep) Registration

In a June 21 Federal Register Notice, EPA announced proposed changes to simazine (Princep, Scorcher, etc) registrations. Simazine is a systemic herbicide, usually applied to soil and absorbed through leaves and roots. In addition to its use in growing a variety of food and feed crops, it is also used on home lawns, golf courses, and turfgrass grown commercially for sod, as well as in forestry, and as an algacide in ornamental ponds and aquariums.

EPA has determined that simazine poses potential chronic risks of concern from drinking water exposure in certain areas of the country, mainly to infants and children up to 6 years old and also poses potential risks to workers and to non-target organisms including birds, mammals, and aquatic and terrestrial plants.

To mitigate these potential risks, EPA is proposing the following changes:

- Simazine will no longer be labeled for weed control on non-cropland (including industrial sites, rights-of-way, road medians, non-crop farm areas such as around buildings and along fencerows).
- Use on alfalfa and grasses (except turfgrass) will be cancelled.
- Wettable powder and granular formulations will no longer be produced.
- The Restricted Entry Interval (REI) for Christmas trees will be 48 hours with all other crops having a 12-hour REI.
- Aerial application will be prohibited.

- The use of coarse or coarser droplet size will be required.
- Groundboom applications will be required to be made no more than 4 feet above the ground or crop canopy.

Some proposed label changes were specific to the following crops: corn (field and sweet), apple, cherry (tart and sweet), pear, plum, peach, grape, tree plantations, nectarine, strawberry, Christmas trees, and nursery crops. Most of the changes involved rate reductions, limits on the number of applications that can be made in a year and elongated REIs. Other proposed changes that should be pointed out include:

- Limit simazine use on nectarine to California only
- Limit simazine use on strawberry to Oregon and Washington only.

EPA is soliciting comments on these proposed changes; comments must be submitted on or before August 21, 2006. For additional information on this proposal, view EPA's website:

http://www.epa.gov/oppsrrd1/cumulative/triazine_fs.htm.

Approved Crisis Exemptions, Section 18 and 24c Labels for Idaho

Crisis Exemptions

Please Note: It is a violation of Federal Law to use these products in a manner inconsistent with the updated, EPA stamped label. This label must be in possession of the user at the time of pesticide application.

Name	Crop	Pest	Notes
Dividend Extreme (difenoconazole + mefanoxam)	Sweet Corn grown for seed (Seed Treatment)	Die-back diseases	Valid until March 12, 2007. A single application of Dividend Extreme may be applied to sweet corn seed at a maximum rate of 2.0 fluid ounces per 100 pounds of seed. Only seed treatment applications are permitted under this crisis exemption. Treated seed must be labeled, "Seed treated with difenoconazole and mefanoxam. Do not use treated seed for food or feed purposes."

For more information on Crisis Exemptions, check the ISDA website:

<http://www.agri.state.id.us/Categories/Pesticides/registration/Section18.php>, or contact George Robinson at (208) 332-8593, or grobinso@agri.state.id.us.

Section 18 Labels

Please Note: It is a violation of Federal Law to use these products in a manner inconsistent with the updated, EPA stamped label. This label must be in possession of the user at the time of pesticide application.

Name	Crop	Pest	Notes
Warrior (lambda-cyhalothrin). EPA File Symbol # 06-ID-03	Barley	Russian Wheat Aphid, Cereal Leaf Beetle, Armyworms, Cutworms	Valid until July 30, 2006. Do not harvest until at least 30 days after application. Apply as required by scouting; timing and frequency of applications should be based on insect populations. A maximum of 0.6 lb active ingredient per acre and a maximum of two applications per acre per season are allowed. Due to its toxicity of aquatic organisms, this product cannot be applied by ground within 25 feet, or by air within 150 feet of lakes, rivers, reservoirs, permanent streams, marshes, natural ponds, commercial fish farms, springs or any other water body.
Mycoshield (oxytetracycline). EPA File Symbol # 06-ID-02	Apples	Fire Blight	Valid until August 1, 2006. For use on a maximum of 1,500 acres and only in the following Idaho counties: Canyon, Gem, Payette, Owyhee and Washington. A maximum of 5 applications can be made per acre per year, with 3 allowed during bloom, and 2 post bloom if other highly susceptible tissues are damaged during the growing season. This application should be made by ground using an air-blast sprayer – not through any type of irrigation system. Do not harvest until at least 60 days after application. Workers should not enter treated area until at least 12 hours after application. Use of predictive models for fireblight is recommended before spraying.

Section 18 Labels (continued)

Name	Crop	Pest	Notes
FlameOut (oxytetracycline). EPA File Symbol # 06-ID-02	Apples	Fire Blight	Valid until August 1, 2006. For use on a maximum of 1,500 acres and only in the following Idaho counties: Canyon, Gem, Payette, Owyhee and Washington. A maximum of 5 applications can be made per acre per year, with 3 allowed during bloom, and 2 post bloom if other highly susceptible tissues are damaged during the growing season. This application should be made by ground using an air-blast sprayer – not through any type of irrigation system. Do not harvest until at least 60 days after application. Workers should not enter treated area until at least 12 hours after application. Use of predictive models for fireblight is recommended before spraying.
FujiMite (fenpyroximate) EPA File Symbol #06-ID-06	Hops	Mites (two-spotted, Willamette and Pacific spider mites, etc.)	Valid until September 15, 2006. Applications can be made using ground equipment only – not by air or through any kind of irrigation equipment. Works best if applied before mite populations exceed 5 mites per leaf. A maximum of two applications (32 to 48 fl oz each) can be made per year, and a maximum of 96 fluid ounces of product per acre per season can be used. Rotate to at least two other miticide products between the first and second applications. Do not apply within 75 feet of aquatic areas. Do not harvest until at least 21 days after application.
Carzol SP (formetanate hydrochloride). EPA File Symbol # 06-ID-01	Dry Bulb Onions	Thrips	Valid until September 15, 2006. No more than 2 applications can be made per acre per growing season. Do not spray while bees are visiting the treatment area. Workers should not enter treated area until at least 48 hours after application. Do not harvest until at least 30 days after application. Crop residues cannot be fed to livestock. Plant back restrictions are as follows: 30 days for leafy vegetables, 120 days for root crops and 12 months for small grains and other crops (except alfalfa, for which there is no plant-back restriction).
CheckMite+ (coumaphos). EPA File Symbol # 06-ID-04	Honeybee Colonies	Varroa Mites (<i>Varroa</i> spp.) and Small Hive Beetles (<i>Athenia tumida</i>)	Valid until February 1, 2007. Treatments must be applied at a time when bees are not producing a surplus honey crop. Not recommended for use in honeybee colonies that are used as cell builders for producing queens. Remove honey supers before application, and do not replace supers until 14 days after the strips are removed. Treatment is most effective when brood rearing is lowest. Do not leave strips in hives for more than 45 days. Do not treat more than twice a year for <i>Varroa</i> mites and no more than four times a year for small hive beetles.

For more information on Section 18 labels, check the ISDA website:

<http://www.agri.state.id.us/Categories/Pesticides/registration/Section18.php>, or contact George Robinson at (208) 332-8593, or grobinso@agri.state.id.us.

Section 24c Labels

Please Note: It is a violation of Federal Law to use these products in a manner inconsistent with the updated EPA stamped label. This label must be in possession of the user at the time of pesticide application.

Name	Crop	Pest	Notes
Prozap (Zinc Phosphide) Pellets SLN #ID-060014	Dry Beans	Voles, Mice and House Mice	This Special Local Needs (24c) label allows aerial application of the HACCO Prozap pellets on dry beans. Do not treat any area more than once per growing season. Do not harvest until at least 30 days after application.

For more information on Section 24c labels, check the ISDA website:

<http://www.agri.state.id.us/Categories/Pesticides/registration/Section24cmain.php>, the Idaho Pest Management Center website, <http://www.ag.uidaho.edu/ipm/24C%20labels.htm>, or contact George Robinson at (208) 332-8593, or grobins@agri.state.id.us.