

## Patricia D. Hastings

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**Sent:** Wednesday, June 18, 2003 4:47 PM  
**Subject:** Imidacloprid Tolerances

**Action:** EPA has established **tolerances for combined residues of imidacloprid** and its metabolites containing the 6-chloropyridinyl moiety, all expressed as the parent in or on the **following crops**:

acerola; artichoke, globe; avocado; banana (import); canistel; corn, pop, grain; corn, pop, stover; cranberry; currant; elderberry; feijoa; fruit, stone, group 12; gooseberry; huckleberry; guava; jaboticaba; juneberry; lingonberry; longan; lychee; mango; mustard, seed; okra; papaya; passionfruit; persimmon; pulasan; rambutan; salal; sapodilla; sapote, black; sapote, mamey; Spanish lime; star apple; starfruit; strawberry; vegetable, leaves of root and tuber, group 2; vegetable, legume, group 6, except soybean; vegetable, root and tuber, group 1, except sugar beet; watercress; wax jambu.

EPA is also deleting several time-limited tolerances established under section 18 emergency exemptions that are superceded by this establishment of general tolerances for imidacloprid and its metabolites

**Background:** Imidacloprid (1-((6-Chloro-3-pyridinyl)methyl)-N-nitro-2-imidazolidinimine) is a chloro-nicotinyl systemic insecticide used as a crop and structural pest insecticide, a seed treatment, and a flea-control treatment. It is most commonly used on rice, cereal, maize, potatoes, vegetables, sugar beets, fruit, cotton, hops, and turf. It has soil, seed, and foliar uses for the control of sucking insects including rice hoppers, aphids, thrips, whiteflies, termites, turf insects, soil insects, and some beetles.

Names include: Admire, Confidor 2 flowable, Confidor 2.5% granular, Imidacloprid, Imidaclopride, Imidakloprid, NTN 33893, Advantage, Gaucho, Imicide, K-9 advantix, Merit, Premise, Provado, and Marathon.

Registered in 1994, imidacloprid is selectively more toxic to insects than warm-blooded animals, and application rates are considerably lower than older, traditionally used insecticides. One of the concerns in using this product is that it is highly toxic to bees if used as a foliar application, especially during flowering. But, imidacloprid is not considered a hazard to bees when used as a seed treatment. See resources below for more detail.

**Source:** [Federal Register: June 13, 2003 (Volume 68, Number 114)][Rules and Regulations][Page 35303-35315]  
<http://www.epa.gov/fedreg/EPA-PEST/2003/June/Day-13/p14880.htm>. See Also Exttoxnet Pesticide Information Profile for imidacloprid @ [http://ace.orst.edu/cgi-webglimpse/mfs/services/data/info/exttoxnet?link=http://ace.orst.edu/info/exttoxnet/pips/imidaclo.htm&file=/services/data/info/exttoxnet/pips/imidaclo.htm&line=32#mfs](http://ace.orst.edu/cgi-webglimpse/mfs/services/data/info/exttoxnet?link=http://ace.orst.edu/info/exttoxnet/pips/imidaclo.htm&file=/services/data/info/exttoxnet/pips/imidaclo.htm&line=32#mfs;); and Pesticide Action Network Chemical database query for imidacloprid @ [http://www.pesticideinfo.org/PCW/List\\_Products.jsp?PCCode=129099&ChemName=Imidacloprid](http://www.pesticideinfo.org/PCW/List_Products.jsp?PCCode=129099&ChemName=Imidacloprid)