

APPENDIX A. SHELF SURVEY MEMORANDUM

Information in this appendix:

Memorandum summarizing insecticide shelf survey data used in the selection of study list pesticides (see Section 2).



MEMO

TO: Bill Johnson
FROM: Kelly D. Moran
SUBJECT: Shelf Surveys at Orchard Supply Hardware and Home Depot

DATE: March 15, 2002

PROJECT: 33a

On March 7 and 13, I visited two major pesticide retailers in the San Francisco Bay Area (Orchard Supply Hardware in Foster City and Home Depot in San Mateo) to survey insecticide products available for sale. These informal shelf surveys focused on identification of the products coming on the market to replace diazinon and chlorpyrifos. I obtained product brand name, insecticide active ingredient, formulation type, and application location¹ for insecticides. I omitted all non-chemical insect controls, all baits, and all diazinon products from the survey. I also omitted soaps, Neem extract, and oils. This was a wintertime survey, so the selection of lawn care products was relatively smaller than previously observed during summer and fall surveys.

In general, the nature of the insecticide product mix has changed substantially since I last surveyed the shelves of these stores a little over a year ago (December 2000²). Major findings were:

- Diazinon and chlorpyrifos phase out is evident. All chlorpyrifos products were gone as were most diazinon products. Remaining diazinon products included concentrates, granules and dusts in small and large quantities. The dusts were especially surprising, as these dust products—including the large quantity product in a 5-pound bag—were not previously observed. Some products were accompanied by shelf talkers saying “Looking for Dursban?” and recommending the product as a replacement.
- Brand mix has changed. Ortho had substantially reduced shelf space at both stores. At one store, it was replaced by a new display of least-toxic controls and additional shelf space for the Bayer Advanced brand. At the other store, Real-Kill and Spectracide products were the primary replacements.
- Formulation mix has changed. The most important change was that there were far more dusts and far fewer granules. Foggers have also obtained much more shelf space in the last year. At one store, there were fewer concentrate products and more shelf space was devoted to ready-to use products (both hand pump liquids and aerosol cans); however, this change was not observed at the other store. Some of these observations may be seasonal.
- Application instructions on new products are similar to instructions on diazinon and chlorpyrifos products. Many products had “band around the structure”

¹ Application location was not obtained for aerosols and foggers.

² Described in *Diazinon & Chlorpyrifos Products: Screening for Water Quality Implications*, TDC Environmental, May 15, 2001.

application instructions. All formulations were also available for applications on lawns and ornamental landscaping. Many products have instructions for indoor applications, also similar to those observed for now phased out chlorpyrifos products. Several liquid and dust products that appear to be intended primarily for other uses also had instructions for applications directly to dogs and cats.

- Use of synergists was much less than anticipated. Only six products at each store contained one of the two observed synergists (PBO and n-octylbicycloheptene dicarboximide). None of these products was labeled for outdoor structural pest control or lawn uses; only two were outdoor use products (for ornamental landscaping). Ten of the 12 products with synergists were foggers or aerosols. One fogger product and one flea shampoo contained both synergists. Four of five products with pyrethrins contained synergists. Other active ingredients in products with synergists were allethrin, permethrin, S-methoprene, prallethrin, esfenvalerate, tetramethrin, and phenothrin.

On the basis of the results of the previous related study,³ the most important products from a water quality perspective are those:

- Sold in containers with larger volumes of active ingredient
- Concentrates (require mixing, more active ingredient per container)
- With application instructions for “band around structure” and lawn applications.

Products of lower water quality concern are:

- Containerized baits
- Aerosols (because they have a small volume of active ingredient)
- Products with limited application locations in landscaping (*e.g.*, products specifically for roses)

A total of about 60 products meeting the survey criteria were on sale at each store, some in multiple container sizes. The products contained 27 individual insecticide active ingredients (two of which are simply selected stereoisomers of other insecticides, for a total of 25 different substances) and two synergists. All ready-to-use liquid were in volumes of 24 ounces or more; most also were available in 128-ounce size. No concentrates were observed in volumes greater than 32 ounces. Dusts and granules were in 1-pound shaker cans and in 5 and 10 pound bags.

Attached tables summarize the active ingredients, formulations, and sites of use most important for water quality purposes. The tables show a relatively large number of active ingredients are replacing diazinon and chlorpyrifos in retail insecticides. Most of these ingredients are from a family of insecticides known as “pyrethroids.” Because these insecticides have similar chemical structures and a common mode of action, it is likely that they will have cumulative effects in the environment.

³ *ibid*

Ingredient Analysis: Home Depot Survey March 13, 2002

Active Ingredient	Structure- Outdoors	Lawn	Indoor non- aerosol	Grand Total	Number of Observed Products						
					Aerosol Only	Dust	Granule	Concentrate	Fogger	RTU Liquid	Fertilizer Foam
Acephate	2	1		5				3			
Allethrin				8	X						1
Bifenthrin	2	2	2	4				1		2	1
Carbaryl		1		1				1			
Cyfluthrin	2	2		3			1	1		1	
Cypermethrin				1	X						
Dimethoate (being cancelled)	1			1				1			
Disulfoton				1			1				
Esfenvalerate	1	1		1				1			
Imidacloprid				2				1		1	
Imiprothrin				1	X						
Malathion	2	1		2				2			
Mint Oil				2	X						
Nylar			1	1						1	
Permethrin	6	3	4	16		2	2	3	4	2	
Phenothrin/Sumethrin			1	7		1					
Pyrethrins			2	6					1	3	
Resmethrin				3	X						
S-Methoprene				1	X						
Tetramethrin				5					1		
Tralomethrin	1		3	8					2	1	1
Synergist											
n-octylbicycloheptene dicarboximide			1	4					1	1	
PBO			1	4						2	

Ingredient Analysis: OSH Survey, March 7, 2002

Active Ingredient	Structure- Outdoors	Lawn	Indoor non- aerosol	Number of Observed Products		Aerosol Only	Dust	Granule	Concentrate	Fogger	RTU Liquid
				Total excluding aerosols	Grand Total						
Acephate	0	1	0	3	4				3		
Allethrin/D-Trans Allethrin	0	0	0	0	8	X					
Bifenthrin	2	2	1	3	3				1		2
Boric Acid	0	0	0	1	1				1		
Carbaryl	1	2	1	3	3		1		1		1
Cedar oil	0	0	0	0	1	X					
Cyfluthrin/Beta Cyfluthrin	6	4	1	8	8			2	2		3
Cypermethrin	0	0	1	1	3					1	
Disulfoton	0	0	0	2	2			2			
Esfenvalerate	2	1	0	2	3				1		1
Hydramethylnon	1	0	0	1	1			1			
Imidacloprid	0	0	0	3	3				2		1
Imiprothrin	0	0	0	0	2	X					
Malathion	1	0	0	1	1				1		
Mint oil	0	0	0	0	1	X					
S-Methoprene	0	0	1	1	1					1	
Permethrin	4	3	7	12	16		2	2	3	3	2
Phenothrin	0	0	0	0	4	X					
Prallethrin	0	0	0	0	1	X					
Pyrethrins	0	0	2	3	4					2	1
Resmethrin	0	0	0	0	2	X					
Tetramethrin	0	0	1	1	3					1	
Tralomethrin	1	0	1	1	3						1
Synergist											
n-octylbicycloheptene dicarboximide	0	0	2	2	4	X					
PBO	0	0	1	2	3						1

APPENDIX B. SUMMARY OF RELEVANT INFORMATION FROM USEPA DOCUMENTS

Information in this appendix:

Summary of information obtained from USEPA documents regarding insecticides on the initial insecticide candidate list (see Section 2).

Summary Of Relevant Information From USEPA Documents

Pesticide	Notes
Acephate	The 2001 IRED indicates that acephate has relatively low aquatic toxicity and explains that aquatic risks are low. The IRED calls for ending all residential indoor uses, prohibiting application via low-pressure handwand for perimeter treatment by professional applicators, for trees, shrubs, and outdoor floral, and for the control of wasps' and terminating all turf grass uses (except golf course, sod farm, and spot or mound treatment for ant control). The IRED also says turf application rates for sod and golf courses will be reduced (USEPA, September 2001). In a product cancellation notice, USEPA noted that the vast majority of acephate usage is on agricultural and commercial ornamental plant use sites. Use in and around the home is a small fraction of total acephate usage. Acephate use in the home and on lawns is apparently somewhat self-limiting due to the pesticide's objectionable odor (USEPA, November 2001).
Boric Acid	The 1993 RED concludes that available studies indicate that technical boric acid is practically nontoxic to birds, fish and aquatic invertebrates, and relatively nontoxic to beneficial insects. The RED says that boric acid rights-of-way herbicide use pattern poses a potential risk to aquatic invertebrates (including some that are endangered); however, USEPA believes that risk probably is mitigated by the practice of limiting treatment to small strips of land, thereby limiting the amount of contaminated runoff into adjacent aquatic environments (USEPA, September 1993).
Diflubenzuron	The USEPA summary of the 1997 RED states "the results indicate that diflubenzuron is very highly toxic to freshwater aquatic invertebrates, including marine/estuarine crustacea, while it is highly toxic to marine/estuarine mollusks. The results indicate that diflubenzuron affects reproduction, growth and survival in freshwater invertebrates as well as reproduction in marine/estuarine invertebrates." The RED concludes that it is "expected to cause some adverse chronic effects to estuarine/marine fish at the highest application rate (forestry), these effects are not as widespread as those associated with freshwater and estuarine/marine invertebrates. The use of diflubenzuron is expected to cause adverse acute and chronic effects to both freshwater and estuarine/marine invertebrates, including endangered species. The risk to aquatic invertebrates is also expected to be substantial when diflubenzuron is applied to control mosquito larvae. Since this use involves direct application to water and/or near water, no mitigation is currently proposed" (USEPA, August 1997).
Fenthion	The summary of the 2000 IRED states that there are no homeowner uses for fenthion and that the only uses are to control adult mosquitoes in Florida only and dragonfly larvae in contained ornamental fish ponds in Arkansas, Florida, and Missouri. All other uses are being phased out (USEPA, January 2001).
Hydramethylnon	A summary of the 1998 RED says, "the Agency concludes that the overall acute impact on freshwater and terrestrial non-target organisms from the use of hydramethylnon for insect control will be minimal" (USEPA, December 1998).

Summary Of Relevant Information From USEPA Documents (Continued)

Pesticide	Notes
Malathion	According to the summary of the 2000 revised risk assessment, “[m]alathion runoff in urban areas has resulted in relatively high aquatic malathion concentrations. Malathion is toxic to aquatic organisms at concentrations which have been monitored or are predicted to occur as a result of registered uses. There is potential for acute and chronic risk to aquatic invertebrates and some fish.” Some uses are being phased out because they are not being considered in reregistration—these uses include all pet uses; all indoor uses (except for some stored commodities and storage facilities, and mushroom houses); all greenhouse uses; and all pressurized can formulations (USEPA, November 2000).
Methoprene	While the RED was completed in 1991, additional studies on aquatic toxicity were conducted in the 1990s. In 2001, USEPA concluded that there will be “minimal acute and chronic risk to freshwater fish freshwater invertebrates and estuarine species from exposure to Methoprene mosquito products.” Special studies found toxicity to chironomid (midge) larvae at normal application rates, but studies on other non-target species showed adequate safety factors (USEPA, June 2001).
Naled	In 1999, a revised risk assessment was completed. An addendum to the revised risk assessment says “[t]he acute and chronic [levels of concern] LOCs were exceeded for freshwater invertebrates. The acute high risk was exceeded for estuarine/marine fish. Chronic estuarine/marine fish LOC could not be determined due to lack of data.” (USEPA, March 1999).
Phosmet	The 2001 IRED summary says that few urban uses are to remain. All uses in or around homes are to be cancelled, including uses on domestic pets, household ornamental plants and household fruit trees. Remaining urban uses will be few—evergreen trees, fire ants, and ornamental nursery stock. USEPA states that “on certain crops, where there is a high application rate and frequent application of phosmet, expected environmental concentrations can lead to acute risk for mammals; chronic risk for birds and mammals; and acute and chronic risks to invertebrates” (USEPA, October 2001).
Propetamphos	According to the 2000 IRED, all residential uses are being cancelled, as are all uses in structures children and the elderly occupy, including homes, schools, day-cares, hospitals, nursing homes (except for areas of food service when food is covered or removed prior to treatment) and all spot, broadcast, and termiticide treatments. Propetamphos may still be applied at indoor commercial, and industrial buildings and equipment, such as offices and factories. It may also be used in food service establishments where there is no contact with food, and where no processing, packing, or warehousing of food occurs. According to the RED summary, all uses are indoors and so “exposure to the environment is not expected, and therefore, ecological risks are not of concern to the Agency” (USEPA, October 2000).
Propoxur	USEPA summary of 1997 RED indicates that there was “very limited outdoor use of propoxur.” “Outdoor applications are limited to exteriors of buildings, on and immediately around patios, sidewalks and building foundations, and boat mooring lines, water lines and utility supply lines.... Minimal aquatic exposure from runoff or drift is expected from propoxur outdoor bait products. Although the toxicity is high, the aquatic risk does not exceed the Agency's LOCs [levels of concern]. Based on the limited outdoor bait applications of propoxur, minimal to no risk is expected to aquatic organisms.” Broadcast use on lawns and turf was eliminated in 1992. The 1997 RED added label language prohibiting landscape treatment. (USEPA, 1997).

Summary Of Relevant Information From USEPA Documents (Continued)

Pesticide	Notes
Temephos	According to the USEPA summary of the 2000 RED, temephos' main use is as a mosquito larvicide. There are no residential, commercial, or agricultural uses of temephos (USEPA, July 2001).
Tetrachlorvinphos	USEPA completed a RED for tetrachlorvinphos in 1995 and is now conducting the FQPA review. According to the revised risk assessment, the only registered uses are for livestock and pets. The revised risk assessment found significant risks associated with pet uses (USEPA, December 1999).
Trichlorfon	<p>A summary of the 1995 RED states that "[a]cute toxicity testing on aquatic invertebrates indicate that trichlorfon is very highly toxic to all test species except crayfish, to which it was found to be moderately toxic. Chronic toxicity testing with aquatic invertebrates indicate that the MATC for trichlorfon is between 5.6 and 8.6 ng/L....The registrant has agreed to require buffer strips from aquatic habitats, mandatory watering-in for turf sites to reduce surface run-off, the prohibition of aerial application which can result in spray drift and the prohibition of residential lawn use with the bait formulations....The Agency has determined that although levels of concern are exceeded for non-target organisms, the exposure has been adequately mitigated" (USEPA, January 1997).</p> <p>Use information from the 2000 human health risk assessment says that residential uses of trichlorfon include perimeter treatment around dwellings and application to residential lawns (USEPA, April 2000). In September 2001, USEPA completed a review of trichlorfon to meet FQPA requirements. That review did not consider additional information that USEPA had received suggesting that trichlorfon use may pose risks to certain non-target species (USEPA, September 2001).</p>

Source: USEPA registration and FQPA review documents (each cited in table).

APPENDIX C. INERT INGREDIENTS IN STUDY LIST PESTICIDES

Information in this appendix:

Table C-1.	Bifenthrin Products—Inert Ingredients (Partial List)
Table C-2.	Carbaryl Products—Inert Ingredients (Partial List)
Table C-3.	Cyfluthrin Products—Inert Ingredients (Partial List)
Table C-4.	Cypermethrin Products—Inert Ingredients (Partial List)
Table C-5.	Deltamethrin Products—Inert Ingredients (Partial List)
Table C-6.	Esfenvalerate Products—Inert Ingredients (Partial List)
Table C-7.	Imidacloprid Products—Inert Ingredients (Partial List)
Table C-8.	Malathion Products—Inert Ingredients (Partial List)
Table C-9.	Permethrin Products—Inert Ingredients (Partial List)
Table C-10.	Piperonyl Butoxide Products—Inert Ingredients (Partial List)
Table C-11.	Pyrethrins Products—Inert Ingredients (Partial List)

Table C-1. BIFENTHRIN Products—Inert Ingredients (Partial List)

Ingredient	Product Type	Use	Notes
Alkyl phenol ethoxylate	Granules	Surfactant	
Aromatic 200	Granules	Solvent	
Attaclay LVM	Granules	Carrier	Clay containing magnesium alumina silicate
Barden AG-1	Granules	Carrier	Kaolin clay
Corn cob	Granules	Carrier	
Diisopropyl biphenyl	Granules	Solvent	
Geropon T-77	Granules	Surfactant	Sodium methyl oleoyl taurate
Glyceryl triacetate	Granules	Flow agent	Substance used to help ingredients flow smoothly during product manufacturing
Hexylene glycol	Granules	Antifreeze; solvent	
Microcel B	Granules	Carrier	Synthetic calcium/magnesium silicate
Naphthalene Depleted Aromatic 200	Granules	Solvent	
Paper	Granules	Carrier	
Polyoxypropylene-polyoxyethylene block copolymer	Granules	Surfactant	
Reax 45L	Granules	Dispersant?	
Reax 85A	Granules	Dispersant or dispersion stability agent	Sodium salt of a chemically modified, kraft lignin polymer solubilized by one sulfonate group per 1000 unit weight of the lignin
Screened sand	Granules	Carrier	
Sunspray 6N	Granules	Horticultural oil	
Surfonic N-60	Granules	Surfactant	Nonylphenol ethoxylate
Syloid 244	Granules	Carrier	Silica
Synthetic isoparaffinic hydrocarbon	Granules	Solvent	

Sources: USEPA Freedom of Information Act Responses (Furlow, 2002) and TDC Environmental analysis based on chemical characteristics and information from inert ingredient product manufacturer and distributor Internet sites.

Table C-2. CARBARYL Products—Inert Ingredients (Partial List)

Ingredient	Product Type	Use	Notes
1,2-Benzothiazoline-3-one	Liquid	Preservative	Sold as Proxel GXL, preservative for aqueous phase of solutions
Alpha-(p-nonylphenyl)-omega-hydroxypoly(oxyethylene) sulfate and salts with salt of xylene sulfonic acid, 1:1 mixture	Liquid	Emulsifier?	
Aluminum	Dust	Impurity?	
Amorphous synthetic silica	Liquid	Carrier	
Attapulgate clay	Wettable powder, Dust	Carrier	
Butyl benzyl phthalate	Flea collar	Plasticizer	
Calcium Carbonate	Dust	Carrier	Alkaline material, may adjust pH
Calsoft F-90	Wettable powder	Surfactant	Sodium linear alkylbenzene sulfonate
Citric acid	Liquid, Wettable powder	pH adjustment	
Diatomite	Dust	Carrier	Mineral
Dichlorophene	Dust	Pesticide	Used in pet products for worm and mange control
Ethanol	Liquid	Solvent	
Gypsum	Dust	Carrier	Mineral; hydrated calcium sulfate
Highly paraffinic petroleum oil	Granules	Solvent	
Hydrated silica	Wettable powder	Carrier	Also called amorphous silicon dioxide, silicic acid, or silica gel
Kaolin clay	Wettable powder, Dust	Carrier	
Lignosulfonate, calcium salt	Wettable powder	Dispersant	
Marasperse N-22	Wettable powder	Dispersant	Sodium lignosulfonate
Mono-calcium salt of polymerized aryl alkylsulfonic acids	Wettable powder	Dispersant	
Montmorillonite	Dust	Carrier	Clay
Naphthalene sulfonic acid-formaldehyde condensate, ammonium and sodium salt	Wettable powder	Surfactant	Dispersant

Table C-2. CARBARYL Products—Inert Ingredients (Partial List, Continued)

Ingredient	Product Type	Use	Notes
Perlite	Dust	Carrier	Mineral
Poly(oxypropylene) block polymer with poly(oxyethylene)	Wettable powder	Surfactant	
Potassium	Dust	Impurity?	Probably refers to potassium ions
Propylene glycol	Liquid	Antifreeze; solvent	
Pyrophyllite	Dust	Carrier	Clay, also called Pyrax ABB
Silica	Dust	Carrier	
Silicone emulsion	Liquid	Emulsifier?	
Soap	Wettable powder	Emulsifier	Sodium salt of fatty acid
Sodium alkyl naphthalene sulfonate	Liquid	Surfactant	Serves as a disperser and moistening agent for powders in aqueous solutions
Sodium dialkyl naphthalene sulfonate	Wettable powder	Surfactant	
Sodium dioctyl sulfosuccinate	Wettable powder	Surfactant	Common wetting agent
Sodium orthophenylphenate	Granules	Preservative	Alkaline material, may adjust pH
Sponto N-140	Liquid	Emulsifier	
Surfynol TG-E	Wettable powder	Surfactant	
Talc	Wettable powder, Dust	Carrier	
Tenneco T 500-100	Liquid	Solvent	
Triton X-155	Liquid	Surfactant	
Water	Liquid, Flowable concentrate	Solvent	
Xanthan gum	Liquid	Emulsion stabilizer?	

Sources: USEPA Freedom of Information Act Responses (Furlow, 2002) and TDC Environmental analysis based on chemical characteristics and information from inert ingredient product manufacturer and distributor Internet sites.

Table C-3. CYFLUTHRIN Products—Inert Ingredients (Partial List)*

Ingredient	Product Type	Use	Notes
Corn cob	Granules	Carrier	
Dipropylene glycol	Granules	Solvent	Product label says that the purpose of this ingredient is "to adhere the active ingredient onto the granules"
Glycerin	Aqueous concentrate	Antifreeze	Product labels say that the purpose of this ingredient is "to help keep from freezing" and "stabilizer"
Organic solvent (unnamed)	Aqueous concentrate	Solvent	Product labels say that the purpose of this ingredient is "to dissolve the active ingredient for mixing" and give concentrations of <3% and <0.1% in two products
Surfactants (unnamed)	Aqueous concentrate	Surfactant	Product label says that the purpose of this ingredient is "to keep the active ingredient dispersed in water"
Water	Granules Aqueous concentrate Suspension emulsion	Solvent	

*All ingredients other than water were claimed confidential by product manufacturer (Furlow, 2002).

Sources: USEPA Freedom of Information Act Responses (Furlow, 2002), product labels, and TDC Environmental analysis based on chemical characteristics and information from inert ingredient product manufacturer and distributor Internet sites.

Table C-4. CYPERMETHRIN Products—Inert Ingredients (Partial List)

Ingredient	Product Type	Use	Notes
None identified			

Source: USEPA Freedom of Information Act Responses (Furlow, 2002).

Table C-5. DELTAMETHRIN Products—Inert Ingredients (Partial List)

Ingredient	Product Type	Use	Notes
2-Methyl-4-isothiazolin-3-one	Suspension	Preservative	
5-Chloro-2-methyl-4-isothiazolin-3-one	Suspension	Preservative	
Acetyl tri-n-butyl citrate	Granule	Solvent?	Acetyl tributyl citrate, commonly used as a plasticizer, but also a carrier solvent
Ammonium phosphate urea	Granule	Carrier?	Fertilizer
Ammonium sulfate	Granule	Carrier?	Fertilizer
Aromatic petroleum solvent	Granule	Solvent	
Citric acid	Suspension	pH adjustment	
Cyclohexanone	Granule	Solvent or impurity	Also a polymer binding agent in some applications
Dimethyl polysiloxane derivative	Suspension	Anti-foaming agent	Also may serve as an emulsifier
Dodecanol, ethoxylated, monoether with sulfuric acid, sodium salt	Suspension	Surfactant?	
Dolomitic limestone mixture	Granule	pH adjustment or carrier	Mixture of calcium and magnesium carbonates. Finely divided it can adjust pH; as a coarse material it can serve as a carrier
Ethoxylated nonylphenol	Suspension	Surfactant	
Magnesium chloride	Suspension	Electrolyte?	Salt, minor nutrient
Magnesium nitrate	Suspension	Electrolyte?	Salt, minor nutrient
Methylene urea	Granule	Carrier?	Fertilizer
Naphthalenesulfonic acid, polymer with formaldehyde, sodium salt	Suspension	Surfactant	Dispersant
N-methylpyrrolidone	Granule	Solvent or impurity	Very polar solvent
Potassium muriate	Granule	Carrier?	Synonym for potassium chloride, a fertilizer
Potassium sulfate	Granule	Carrier?	Fertilizer
Propyl p-hydroxybenzoate	Suspension	Preservative	

Table C-5. DELTAMETHRIN Products—Inert Ingredients (Partial List, Continued)

Ingredient	Product Type	Use	Notes
Propylene glycol	Suspension	Antifreeze or solvent	
Silicon dioxide	Suspension	Carrier	Silica
Sodium lauryl sulfate	Suspension	Surfactant	
Sulfur-coated urea	Granule	Carrier?	Fertilizer
Water	Suspension	Solvent	
Xanthan gum	Suspension	Emulsion stabilizer?	

Sources: USEPA Freedom of Information Act Responses (Furlow, 2002) and TDC Environmental analysis based on chemical characteristics and information from inert ingredient product manufacturer and distributor Internet sites.

Table C-6. ESFENVALERATE Products—Inert Ingredients (Partial List)

Ingredient	Product Type	Use	Notes
None identified			

Source: USEPA Freedom of Information Act Responses (Furlow, 2002).

Table C-7. IMIDACLOPRID Products—Inert Ingredients (Partial List)

Ingredient	Product Type	Use	Notes
Carbopol resin 2984	Capsules	Emulsion stabilizer	Crosslinked polyacrylic acid polymer used to create gel products
Corn cob*	Granules	Carrier	
Diethylene glycol monoethyl ether	Capsules	Solvent	
Dipropylene glycol	Granules	Solvent	Product label says that the purpose of this ingredient is "to adhere the active ingredient onto the granules"
Ethylene glycol	Flowable	Antifreeze	
Fertilizer (various NPK ratios)	Fertilizer	Fertilizer	
Glycerin*	Aqueous concentrate, Ready-to-use	Antifreeze	Product labels say that the purpose of this ingredient is "to help keep from freezing" and "stabilizer"
Limestone granules	Granules	Carrier or pH adjustment	Function depends on particle size
Organic solvent (unspecified)*	Aqueous concentrate	Solvent	Product labels say that the purpose of this ingredient is "to dissolve the active ingredient for mixing" and give concentrations of <3% and <0.1% in two products
Peanut shells	Granules	Carrier	
Propylene glycol	Flowable	Antifreeze	
Pyla-cert oil amber XA MS-166A	Capsules	Solvent?	
Surfactants (unspecified)*	Aqueous concentrate, Ready-to-use	Surfactant	Product label says that the purpose of this ingredient is "to keep the active ingredient dispersed in water"
Tetrahydrofurfuryl alcohol	Capsules	Solvent	May stimulate bacteria antagonistic to nematodes
Water	Granules; Aqueous concentrate; Suspension emulsion; Gel bait; Ready-to-use; Flowable	Solvent	

*Identified from listing on product labels

Sources: USEPA Freedom of Information Act Responses (Furlow, 2002), product labels, and TDC Environmental analysis based on chemical characteristics and information from inert ingredient product manufacturer and distributor Internet sites.

Table C-8. MALATHION Products—Inert Ingredients (Partial List)

Ingredient	Product Type	Use	Notes
Calsoft F-90	Wettable Powder	Surfactant	Sodium Linear Alkylbenzene Sulfonate
Marasperse N-22	Wettable Powder	Dispersant	Sodium lignosulfonate
Paper	Bait	Carrier	Tube impregnated with active ingredient
Sponto N-140	Liquid	Emulsifier	
Talc	Wettable Powder	Carrier	
Tenneco T 500-100	Liquid	Solvent	
Triton X-155	Liquid	Surfactant	

Sources: USEPA Freedom of Information Act Responses (Furlow, 2002) and TDC Environmental analysis based on chemical characteristics and information from inert ingredient product manufacturer and distributor Internet sites.

Table C-9. PERMETHRIN Products—Inert Ingredients (Partial List)

Ingredient	Product Type	Use	Notes
1,2-Benzothiazolin-3-one	Aerosol	Preservative	Proxel GXL, sold as a 20% solution in dipropylene glycol, preservative for aqueous phase of solutions
Agent X-1096-187 emulsifier blend	Emulsifiable concentrate	Emulsifier	
Agent X-2084-40A emulsifier blend	Emulsifiable concentrate	Emulsifier	
Agent X-2084-40N emulsifier blend	Emulsifiable concentrate	Emulsifier	
Aromatic 100	Emulsifiable concentrate	Solvent	
Aromatic solvent (unspecified)	Fogger	Solvent	
Brij 78	Aerosol	Surfactant	One of a series of nonionic detergents generally called polyoxyethylene ethers
Brij 96	Aerosol	Surfactant	One of a series of nonionic detergents generally called polyoxyethylene ethers
Cellulosic carrier (unspecified)	Granules	Carrier	
Cetyl alcohol	Aerosol	Surfactant	Non-ionic surfactant
Corrosion inhibitors (unspecified)	Fogger	Corrosion inhibitor	
Diisopropyl biphenyl	Emulsifiable concentrate	Solvent	
Emulsifier (unspecified)	Fogger	Emulsifier	
Emulsifier 33414	Emulsifiable concentrate	Emulsifier	
Exxsol D-80	Emulsifiable concentrate	Solvent	Dearomatized hydrocarbon fluid
Fragrance	Fogger	Fragrance	
Glyceryl triacetate	Emulsifiable concentrate	Solvent	Also called triacetin; has antifungal properties
Harcros Anti-foam 8830	Aerosol	Defoamer	
Hydrocarbon propellant (butane/isobutane/propane)	Fogger	Propellant	
Hydrocarbon propellant (isobutane/propane)	Fogger	Propellant	
Hydrocarbon solvent (unspecified)	Granules	Solvent	

Table C-9. PERMETHRIN Products—Inert Ingredients (Partial List, Continued)

Ingredient	Product Type	Use	Notes
Inorganic bulking agent (unspecified)	Granules	Carrier?	May simply dilute pesticide
Ligroine	Emulsifiable concentrate	Solvent	Petroleum ether
Mineral seal oil	Ready-to-use liquid	Solvent	
Mineral spirits (unspecified)	Fogger	Solvent	
Monooleate ester of sorbitan monostearate	Fogger	Surfactant	
Naphthalene depleted aromatic 150 solvent	Concentrate	Solvent	
Nonylphenoxypoly(ethyleneoxy) ethanol	Emulsifiable concentrate	Surfactant	NP-9, non-ionic surfactant
Odorless mineral spirits	Aerosol	Solvent	
Petroleum distillate	Fogger	Solvent	
Phenylsulfonate CA	Emulsifiable concentrate	Surfactant?	Similar compounds are detergents and dispersants
Polyethylene-polypropylene glycol, monobutyl ether	Emulsifiable concentrate	Surfactant	Non-ionic surfactant used as emulsifier, wetting agent, dispersant, stabilizer
Propellant A-70	Fogger	Propellant	
SAG 30	Aerosol	Defoamer	Silicone-based antifoam emulsion
Sodium benzoate	Fogger	Preservative	
Synthetic isoparaffinic hydrocarbon	Emulsifiable concentrate	Solvent	
TAGAT 02	Aerosol	Surfactant	Ethoxylated fatty acid esters
Tween 85 (Polysorbate 85)	Emulsifiable concentrate	Emulsifier	Ethoxylate
Water	Aerosol; Fogger	Solvent	
Witconol NP60	Emulsifiable concentrate	Emulsifier	Alkoxylated alcohol, a surfactant

Sources: USEPA Freedom of Information Act Responses (Furlow, 2002) and TDC Environmental analysis based on chemical characteristics and information from inert ingredient product manufacturer and distributor Internet sites.

Table C-10. PIPERONYL BUTOXIDE Products—Inert Ingredients (Partial List)

Ingredient	Product Type	Use	Notes
1,1,1-Trichloroethane	Aerosol	Solvent	
1,2-Benzisothiazolin-3-one	Ready-to-use liquid, Aerosol	Preservative	Commercially sold as: (1) Proxel GXL, sold as a 20% solution in dipropylene glycol, preservative for aqueous phase of solutions, and (2) Proxel BD 20
5-Chloro-2-methyl-4-isothiazolin-3-one	Ready-to-use liquid	Preservative	Legend MK
Acetone	Aerosol	Solvent	
Aliphatic petroleum solvent (heptane)	Aerosol	Solvent	
Aliphatic petroleum solvent (unspecified)	Concentrate	Solvent	
Aromatic 150 Petroleum Solvent	Concentrate	Solvent	
Aromatic solvent (unspecified)	Fogger	Solvent	
Brij 78	Aerosol	Surfactant	One of a series of nonionic detergents generally called polyoxyethylene ethers
Brij 96	Aerosol	Surfactant	One of a series of nonionic detergents generally called polyoxyethylene ethers
Butylated hydroxytoluene	Concentrate	Preservative	Anti-oxidant, also known as BHT
Carbon dioxide	Aerosol	Propellant	
Cetyl alcohol	Aerosol	Surfactant	Non-ionic surfactant
Chlorodifluoromethane	Aerosol	Solvent	
Corrosion inhibitors (unspecified)	Aerosol, Fogger	Corrosion Inhibitor	
Dimethyl ether	Aerosol	Solvent	
Emulsifiers (unspecified)	Aerosol, Fogger	Emulsifier	
Escaid 100 (Exxsol D-80)	Emulsifiable Concentrate	Solvent	Dearomatized hydrocarbon fluid
Fragrance	Fogger	Fragrance	

Table C-10. PIPERONYL BUTOXIDE Products—Inert Ingredients (Partial List, Continued)

Ingredient	Product Type	Use	Notes
Freon 22	Aerosol	Propellant	
Harcros Anti-foam 8830	Aerosol	Defoamer	
Hydrocarbon propellant	Aerosol	Propellant	
Hydrocarbon propellant (isobutane/propane)	Fogger	Propellant	
Isopar M	Emulsifiable Concentrate	Solvent	Isoparaffin solvent
Isopropanol	Aerosol	Solvent	
Light petroleum distillate	Aerosol	Solvent	
Mineral oil	Ready-to-use liquid	Solvent	
Mineral spirits (unspecified)	Fogger	Solvent	
Odorless mineral spirits	Aerosol	Solvent	
Petroleum distillate	Dust, Aerosol, Concentrate	Solvent	
Petroleum oil	Aerosol	Solvent	
Propane	Aerosol	Propellant	
SAG 30	Aerosol	Defoamer	Silicone-based antifoam emulsion
Silica gel	Dust	Carrier	
Silicone emulsion	Ready-to-use liquid	Emulsifier?	
Sodium benzoate	Ready-to-use liquid, Aerosol	Preservative	
Soltrol 170	Aerosol	Solvent	Isoparaffin solvent
Solvent 529-66 Low Odor	Emulsifiable Concentrate	Solvent	
TAGAT 02	Aerosol	Surfactant	Ethoxylated fatty acid esters
Talc	Dust	Carrier	
Vista LPA	Emulsifiable Concentrate	Solvent	Mixture of hydrotreated isoparaffins and naphthenics
Water	Ready-to-use liquid, Aerosol, Fogger	Solvent	

Sources: USEPA Freedom of Information Act Responses (Furlow, 2002) and TDC Environmental analysis based on chemical characteristics and information from inert ingredient product manufacturer and distributor Internet sites.

Table C-11. PYRETHRINS Products—Inert Ingredients (Partial List)

Ingredient	Product Type	Use	Notes
1,1,1-Trichloroethane	Aerosol	Solvent	
1,2-Benzisothiazolin-3-one	Ready-to-use liquid	Preservative	Commercially sold as: (1) Proxel GXL, sold as a 20% solution in dipropylene glycol, preservative for aqueous phase of solutions, and (2) Proxel BD 20
5-Chloro-2-methyl-4-isothiazolin-3-one	Ready-to-use liquid	Preservative	Sold commercially as Legend MK
Acetone	Aerosol	Solvent	
Aliphatic petroleum solvent (heptane)	Aerosol	Solvent	
Aromatic solvent (unspecified)	Fogger	Solvent	
Carbon dioxide	Aerosol	Propellant	
Chlorodifluoromethane	Aerosol	Solvent	
Corrosion inhibitors (unspecified)	Aerosol, Fogger	Corrosion Inhibitor	
Dimethyl ether	Aerosol	Solvent	
Emulsifiers (unspecified)	Aerosol, Fogger	Emulsifier	
Escaid 100 (Exxsol D-80)	Emulsifiable Concentrate	Solvent	Dearomatized hydrocarbon fluid
Fragrance	Fogger	Fragrance	
Freon 22	Aerosol	Propellant	
Hydrocarbon propellant (unspecified)	Aerosol	Propellant	
Hydrocarbon propellant (isobutane/propane)	Fogger	Propellant	
Isopar M	Emulsifiable Concentrate	Solvent	Isoparaffin solvent
Isopropanol	Aerosol	Solvent	
Light petroleum distillate	Aerosol	Solvent	
Mineral spirits (unspecified)	Fogger	Solvent	
Monooleate ester of sorbitan monostearate	Fogger	Surfactant	

Table C-11. PYRETHRINS Products—Inert Ingredients (Partial List, Continued)

Ingredient	Product Type	Use	Notes
Petroleum distillate	Dust, Aerosol, Concentrate, Fogger	Solvent	
Petroleum oil	Aerosol	Solvent	
Propane	Aerosol	Propellant	
Propellant A-70	Fogger	Propellant	
Silica gel	Dust	Carrier	
Silicone emulsion	Ready-to-use liquid	Emulsifier?	
Sodium benzoate	Ready-to-use liquid, Aerosol, Fogger	Preservative	
Soltrol 170	Aerosol	Solvent	Isoparaffin solvent
Solvent 529-66 Low Odor	Emulsifiable Concentrate	Solvent	
Vista LPA	Emulsifiable Concentrate	Solvent	Mixture of hydrotreated isoparaffins and naphthenics
Water	Ready-to-use liquid, Aerosol, Fogger	Solvent	

Sources: USEPA Freedom of Information Act Responses (Furlow, 2002) and TDC Environmental analysis based on chemical characteristics and information from inert ingredient product manufacturer and distributor Internet sites.

APPENDIX D. URBAN SITES OF USE OF STUDY LIST PESTICIDES

Information in this appendix:

- Table D-1. Bifenthrin—Urban Sites of Use
- Table D-2. Carbaryl—Urban Sites of Use
- Table D-3. Cyfluthrin—Urban Sites of Use
- Table D-4. Cypermethrin—Urban Sites of Use
- Table D-5. Deltamethrin—Urban Sites of Use
- Table D-6. Esfenvalerate—Urban Sites of Use
- Table D-7. Imidacloprid—Urban Sites of Use
- Table D-8. Malathion—Urban Sites of Use
- Table D-9. Permethrin—Urban Sites of Use
- Table D-10. Piperonyl Butoxide—Urban Sites of Use
- Table D-11. Pyrethrins—Urban Sites of Use

Table D-1. BIFENTHRIN—Urban Sites of Use

Code	Site Name	Code	Site Name
31000	Ornamental Herbaceous Plants (All Or Unspec)	35116	Spruce
31003	Ornamental Herbaceous Flowering Plants (All/Un)	35130	Yew (Taxus Species)
31004	Ornamental Herbaceous Foliage Plants (All/Un)	39001	Ornamental Ferns (All Or Unspec)
31005	Ornamental Bulb, Corm, Rhizome Plants (All/Unspec)	39003	Ornamental Nurseries (Stock, Crops, Etc.)
31012	African Violets/Saintpaulia	39005	Ornamental Plants - Greenhouse (All Or Unspec)
31034	Begonia (Fibrous & Tuberous Rooted)	40000	Soil Application (Ag-Crop, Orn-Plant Situations)
31057	Carnation	40005	Soil Application, Preplant-Indoor(Greenhouse,Etc.)
31065	Chrysanthemum (Mum)	40006	Mulch (Including Mulching Straw, Hay, Paper)
31092	Dracaena (Godseffiana); Dracaena Spp.	40008	Soil Application, Preplant-Outdoor (Seedbeds,Etc.)
31104	Fuchsia; Use 34841	40501	Soil Application, (Houseplant Potting Soil)
31106	Garden Balsam/Balsam; Impatiens Balsamina	46000	Storage Areas & Processing Equipment (All/Unspec)
31131	Lilies (Excl. Belladonna & Calla Lilies)	46027	Storage Areas - Full (All Or Unspec)
31137	Marigold	46501	Storage Areas (Unspecified)
31147	Orchids (All Or Unspecified)	54000	Pets (All Or Unspec)
31154	Petunias	61015	Greenhouses (In Use)
31155	Philodendron & Split Leaf Philodendron	63000	Household Or Domestic Dwellings (All Or Unspec)
31184	Snapdragon	63001	Household Or Domestic Dwellings (Indoor)
31443	Air Plant; Kalanchoe Pinnata	63002	Cracks & Crevices
31504	Kale, Flowering; Brassica Oleracea: Acephala Gr.	63003	Household Or Domestic Dwellings (Outdoor)
32000	Ornamental Plants (Herb. & Woody) (All Or Unspec)	63010	Baseboards
32010	House Plants	63506	Baseboards
32501	Gardens (Ornamental, Flower, Rock, Shrub, Etc.)	64500	Wood Protection Treatments (All Or Unspecified)
33002	Ornamental Sod Farm (Turf)	64501	Lumber (Seasoned/Unseasoned)
33007	Turf, Golf Course (Fairways, Greens, Rough)	64502	Wood Structures: Above Ground & Finished Struct
33008	Ornamental Turf (All Or Unspec)	64503	Wood Protection: At/Below Ground Level

Table D-1. BIFENTHRIN—Urban Sites of Use (Continued)

Code	Site Name	Code	Site Name
33009	Ornamental Ground Covers (All Or Unspec)	67000	Uncultivated Non-Ag Areas (All Or Unspec)
33010	Ornamental Lawns, Lawns (All Or Unspec)	67002	Recreational Areas, Tennis Courts, Parks, Etc.
33015	Bahiagrass	67003	Buildings And Structures (Non-Ag Outdoor)
33017	Bermudagrass	67009	Industrial Sites (Lumber Yards, Tank Farms, Etc.)
33031	Fescue	67012	Private Roads, Walkways, Lanes, Patios, Etc.
33043	Ryegrass, Perennial	67013	Rights-Of-Way (Unspec) (Firelanes, Etc.)
33050	St. Augustinegrass	67015	Fencerows, Hedgerows, Stone Walls (Non-Ag)
33056	Zoysia Grass	68002	Urban Areas (All Or Unspec) (Residential, Etc.)
33112	Ivy (All Or Unspec) (Ground Cover)	68009	Fencerows (All/Unspec), Hedgerows (All/Unspec)
33133	Lantana (Ground Cover)	70000	Commercial Transport Facilities (All Or Unspec)
34000	Ornamental Shrubs (All Or Unspec) (Woody/Herb.)	71000	Food Processing/Handling Plant/Area (All/Unspec)
34006	Ornamental Broadleaf Evergreen Shrubs	71502	Food Processing/Handling Plant/Area (Nonfood Area)
34007	Ornamental Deciduous Shrubs	72000	Eating Establishments (All Or Unspec)
34025	Barberry (Berberis Spp.)	72004	Eating Establishments (Non-Food Areas)
34057	Ficus (Ornamental Fig) (Ficus Spp.)	74000	Hospitals & Related Institutions (All Or Unspec)
34069	Hibiscus (Rose Mallow) (Hibiscus Spp)	74016	Nursing Homes
34118	Rhododendron (Species/Hybrids/Cultivars) (Azalea)	76000	Morgues, Mortuaries, Funeral Homes (All Or Unspec)
34120	Rose	77000	Commercial, Institutional Or Industrial Areas
34137	Viburnum (Snowball)	77501	Schools (Indoor) (School Yards Use 67002)
35000	Ornamental And/Or Shade Trees (All Or Unspec)	77502	Non-Feed/Non-Food Processing Plants
35007	Ornamental Conifers (All Or Unspec)	89000	Refuse And Solid Waste Sites (All Or Unspec)
35008	Ornamental Flowering Trees (Fruit, Nut, Etc.)	89006	Garbage Disposal Units, Food Disposals
35093	Oak (Quercus Spp.)	90002	Quarantine Use (Federal And/Or State - Unspec)
35098	Pine; Pinus Spp.	90011	Ant Dens/Hills/Mounds (In/Out-Door) (All/Unsp)

Table D-2. CARBARYL—Urban Sites of Use

Code	Site Name	Code	Site Name
31000	Ornamental Herbaceous Plants (All Or Unspec)	54003	Dogs (All Or Unspec) (Pet)
31003	Ornamental Herbaceous Flowering Plants (All/Un)	54010	Birds (All Or Unspec) (Aviary Birds, Etc.) (Pet)
31004	Ornamental Herbaceous Foliage Plants (All/Un)	61008	Beehives (All Or Unspec)
31005	Ornamental Bulb, Corm, Rhizome Plants (All/Unspec)	61015	Greenhouses (In Use)
31057	Carnation	63000	Household Or Domestic Dwellings (All Or Unspec)
31065	Chrysanthemum (Mum)	63001	Household Or Domestic Dwellings (Indoor)
32000	Ornamental Plants (Herb. & Woody) (All Or Unspec)	63003	Household Or Domestic Dwellings (Outdoor)
32002	Ornamental Vines (Herb. & Woody) (All Or Unspec.)	63004	Greenhouses - Domestic Non-Commercial
32004	Ornamental Plants (Deciduous) (All Or Unspec)	63017	Domestic Garden Crops (Non-Commercial)
32005	Ornamental Evergreens (All Or Unspec)	64501	Lumber (Seasoned/Unseasoned)
32501	Gardens (Ornamental, Flower, Rock, Shrub, Etc.)	65000	Aquatic Areas, Water Areas (All Or Unspec)
33007	Turf, Golf Course (Fairways, Greens, Rough)	65013	Drainage Systems (All Or Unspec)
33008	Ornamental Turf (All Or Unspec)	65021	Irrigation Systems (Ditches, Canal Banks, Etc.)
33009	Ornamental Ground Covers (All Or Unspec)	66001	Fencerows, Rights-Of-Way, Hedgerows (Agricultural)
33010	Ornamental Lawns, Lawns (All Or Unspec)	67000	Uncultivated Non-Ag Areas (All Or Unspec)
33011	Ornamental Grasses	67002	Recreational Areas, Tennis Courts, Parks, Etc.
33028	Dichondra (Ground Cover)	67003	Buildings And Structures (Non-Ag Outdoor)
33112	Ivy (All Or Unspec) (Ground Cover)	67004	Highway Rights-Of-Way (Roadways, Curbs, Etc.)
33124	Iceplant (Ground Cover)	67011	Paved Areas, Pre-Paving Applications
34000	Ornamental Shrubs (All Or Unspec) (Woody/Herb.)	67012	Private Roads, Walkways, Lanes, Patios, Etc.
34004	Ornamental Woody Shrubs	67013	Rights-Of-Way (Unspec) (Firelanes, Etc.)
34006	Ornamental Broadleaf Evergreen Shrubs	67015	Fencerows, Hedgerows, Stone Walls (Non-Ag)
34007	Ornamental Deciduous Shrubs	67017	Wasteland(S) (Distinct From Pasture/Rangeland)
34118	Rhododendron (Species/Hybrids/Cultivars) (Azalea)	67501	Wasteland(S) (Distinct From Pasture/Rangeland)
34120	Rose	68000	Wide Area And General In-/Outdoor (All Or Unspec)

Table D-2. CARBARYL—Urban Sites of Use (Continued)

Code	Site Name	Code	Site Name
35000	Ornamental And/Or Shade Trees (All Or Unspec)	68001	Rural Areas (All Or Unspec)
35005	Ornamental Broadleaf Evergreen Trees (All/Unspec)	68002	Urban Areas (All Or Unspec) (Residential, Etc.)
35006	Ornamental Deciduous Trees (All Or Unspec)	68502	Mosquito Abatement Districts
35008	Ornamental Flowering Trees (Fruit, Nut, Etc.)	71000	Food Processing/Handling Plant/Area (All/Unspec)
35050	Eucalyptus; Eucalyptus Spp.	71502	Food Processing/Handling Plant/Area (Nonfood Area)
35101	Poplar (Populus Spp.)	72000	Eating Establishments (All Or Unspec)
39003	Ornamental Nurseries (Stock, Crops, Etc.)	72004	Eating Establishments (Non-Food Areas)
39005	Ornamental Plants - Greenhouse (All Or Unspec)	77000	Commercial, Institutional Or Industrial Areas
40000	Soil Application (Ag-Crop, Orn-Plant Situations)	77004	Commercial Storages Or Warehouses (All Or Unspec)
40006	Mulch (Including Mulching Straw, Hay, Paper)	77005	Commercial/Institut./Indust. Bldgs. (Nonfood-Fum.)
40008	Soil Application, Preplant-Outdoor (Seedbeds,Etc.)	89000	Refuse And Solid Waste Sites (All Or Unspec)
40502	Soil Beneath Host Plants	90002	Quarantine Use (Federal And/Or State - Unspec)
46000	Storage Areas & Processing Equipment (All/Unspec)	90011	Ant Dens/Hills/Mounds (In/Out-Door) (All/Unsp)
46501	Storage Areas (Unspecified)	90503	Inaminate Objects
54000	Pets (All Or Unspec)	100003	Landscape Maintenance
54002	Cats (All Or Unspec) (Pet)		

Table D-3. CYFLUTHRIN—Urban Sites of Use

Code	Site Name	Code	Site Name
31000	Ornamental Herbaceous Plants (All Or Unspec)	64500	Wood Protection Treatments (All Or Unspecified)
31003	Ornamental Herbaceous Flowering Plants (All/Un)	64501	Lumber (Seasoned/Unseasoned)
31004	Ornamental Herbaceous Foliage Plants (All/Un)	64502	Wood Structures: Above Ground & Finished Struct
31005	Ornamental Bulb, Corm, Rhizome Plants (All/Unspec)	64504	Wood Structures: Indoor/Enclosed Areas
31057	Carnation	67000	Uncultivated Non-Ag Areas (All Or Unspec)
31065	Chrysanthemum (Mum)	67001	Airports And Landing Fields (Runways, Etc.)
31194	Sunflower	67002	Recreational Areas, Tennis Courts, Parks, Etc.
32000	Ornamental Plants (Herb. & Woody) (All Or Unspec)	67003	Buildings And Structures (Non-Ag Outdoor)
32002	Ornamental Vines (Herb. & Woody) (All Or Unspec.)	67009	Industrial Sites (Lumber Yards, Tank Farms, Etc.)
32005	Ornamental Evergreens (All Or Unspec)	67011	Paved Areas, Pre-Paving Applications
32010	House Plants	67012	Private Roads, Walkways, Lanes, Patios, Etc.
32501	Gardens (Ornamental, Flower, Rock, Shrub, Etc.)	67013	Rights-Of-Way (Unspec) (Firelanes, Etc.)
33007	Turf, Golf Course (Fairways, Greens, Rough)	67015	Fencerows, Hedgerows, Stone Walls (Non-Ag)
33008	Ornamental Turf (All Or Unspec)	68003	Public Buildings And Structures (Vert. Pests)
33009	Ornamental Ground Covers (All Or Unspec)	68009	Fencerows (All/Unspec), Hedgerows (All/Unspec)
33010	Ornamental Lawns, Lawns (All Or Unspec)	70000	Commercial Transport Facilities (All Or Unspec)
33028	Dichondra (Ground Cover)	70004	Ships, Boat Premises, Etc. (All Or Unspec)
33112	Ivy (All Or Unspec) (Ground Cover)	70009	Railroad Cars (Feed/Food-Empty)
34000	Ornamental Shrubs (All Or Unspec) (Woody/Herb.)	70026	Railway Trains (All Or Unspec)
34004	Ornamental Woody Shrubs		
34006	Ornamental Broadleaf Evergreen Shrubs		
34007	Ornamental Deciduous Shrubs		
34118	Rhododendron (Species/Hybrids/Cultivars) (Azalea)		
34120	Rose		
35000	Ornamental And/Or Shade Trees (All Or Unspec)		

Table D-3. CYFLUTHRIN—Urban Sites of Use (Continued)

Code	Site Name	Code	Site Name
35005	Ornamental Broadleaf Evergreen Trees (All/Unspec)	70027	Aircraft (All Or Unspec)
35006	Ornamental Deciduous Trees (All Or Unspec)	71000	Food Processing/Handling Plant/Area (All/Unspec)
35007	Ornamental Conifers (All Or Unspec)	71001	Bakeries, Bakery Equipment, Etc.
35008	Ornamental Flowering Trees (Fruit, Nut, Etc.)	71002	Bottling Plants (Includes Beverage Bottles)
35098	Pine; Pinus Spp.	71003	Breweries, Distilleries, Beer Beverage Cases, Etc.
39001	Ornamental Ferns (All Or Unspec)	71004	Canneries And Frozen Food Plants
39003	Ornamental Nurseries (Stock, Crops, Etc.)	71008	Meat Processing Plants (Slaughter Houses, Etc.)
39005	Ornamental Plants - Greenhouse (All Or Unspec)	71010	Wineries, Wine Cellars
40000	Soil Application (Ag-Crop, Orn-Plant Situations)	71011	Flour Mills, Flour/Grain Elevators, Etc.
40006	Mulch (Including Mulching Straw, Hay, Paper)	71012	Egg Processing Plants, Egg Breaking Plants
40502	Soil Beneath Host Plants	71021	Cereal Processing Plants (Mills)
44000	Proc. Or Manuf. Non-Food Prod. (All Or Unspec)	71024	Spice Mills, Pepper Processing Plants
46000	Storage Areas & Processing Equipment (All/Unspec)	71029	Pickle Processing Plants
46027	Storage Areas - Full (All Or Unspec)	71501	Food Processing/Handling Plant/Area (Food Area)
46028	Feed/Food Storage Areas - Empty	71502	Food Processing/Handling Plant/Area (Nonfood Area)
46037	Storage Areas (Unspecified)	72000	Eating Establishments (All Or Unspec)
46501	Storage Areas (Unspecified)	72004	Eating Establishments (Non-Food Areas)
46502	Feed/Food Storage Areas (Unspecified)	72501	Eating Establishments (Food Handling/Serving Area)
54000	Pets (All Or Unspec)	73000	Food Marketing, Storage & Distribution Facilities
54003	Dogs (All Or Unspec) (Pet)	74000	Hospitals & Related Institutions (All Or Unspec)
56005	Horses (Race, Draft, Show, Riding, Etc.)	74016	Nursing Homes
58000	Commercial Egg Handling Equipment	76000	Morgues, Mortuaries, Funeral Homes (All Or Unspec)
61006	Greenhouses (Empty) (Environs, Benches, Etc.)	77000	Commercial, Institutional Or Industrial Areas
61008	Beehives (All Or Unspec)	77001	Schools
61015	Greenhouses (In Use)	77004	Commercial Storages Or Warehouses (All Or Unspec)

Table D-3. CYFLUTHRIN—Urban Sites of Use (Continued)

Code	Site Name	Code	Site Name
63000	Household Or Domestic Dwellings (All Or Unspec)	77005	Commercial/Institut./Indust. Bldgs. (Nonfood-Fum.)
63001	Household Or Domestic Dwellings (Indoor)	77501	Schools (Indoor) (School Yards Use 67002)
63002	Cracks & Crevices	77502	Non-Feed/Non-Food Processing Plants
63003	Household Or Domestic Dwellings (Outdoor)	89000	Refuse And Solid Waste Sites (All Or Unspec)
63004	Greenhouses - Domestic Non-Commercial	90011	Ant Dens/Hills/Mounds (In/Out-Door) (All/Unsp)
63504	Greenhouses - Domestic Non-Commercial	90550	Zoos
64008	Wood Protection - Wood Containers; Non-Food/Feed	100003	Landscape Maintenance

Table D-4. CYPERMETHRIN—Urban Sites of Use

Code	Site Name	Code	Site Name
31003	Ornamental Herbaceous Flowering Plants (All/Un)	67012	Private Roads, Walkways, Lanes, Patios, Etc.
31004	Ornamental Herbaceous Foliage Plants (All/Un)	67013	Rights-Of-Way (Unspec) (Firelanes, Etc.)
32501	Gardens (Ornamental, Flower, Rock, Shrub, Etc.)	68003	Public Buildings And Structures (Vert. Pests)
33009	Ornamental Ground Covers (All Or Unspec)	70000	Commercial Transport Facilities (All Or Unspec)
33010	Ornamental Lawns, Lawns (All Or Unspec)	70007	Automobiles, Taxis, Limos, Rv's, & Components
34000	Ornamental Shrubs (All Or Unspec) (Woody/Herb.)	70031	Commercial Transport Facil (Feed/Food-Empty)
35008	Ornamental Flowering Trees (Fruit, Nut, Etc.)	70504	Commercial Transport Facil (Non Feed/Food-Unspec)
39003	Ornamental Nurseries (Stock, Crops, Etc.)	71000	Food Processing/Handling Plant/Area (All/Unspec)
40000	Soil Application (Ag-Crop, Orn-Plant Situations)	71001	Bakeries, Bakery Equipment, Etc.
46000	Storage Areas & Processing Equipment (All/Unspec)	71002	Bottling Plants (Includes Beverage Bottles)
46030	Non Feed/Food Storage Areas - Empty	71006	Feed Mills, Feed Stores, Feed Processing Plants
46501	Storage Areas (Unspecified)	71501	Food Processing/Handling Plant/Area (Food Area)
46503	Non Feed/Food Storage Areas (Unspecified)	71502	Food Processing/Handling Plant/Area (Nonfood Area)
54000	Pets (All Or Unspec)	72000	Eating Establishments (All Or Unspec)
54003	Dogs (All Or Unspec) (Pet)	72002	Eating Establishment Food Serving Areas
56005	Horses (Race, Draft, Show, Riding, Etc.)	72004	Eating Establishments (Non-Food Areas)
56008	Ponies	72501	Eating Establishments (Food Handling/Serving Area)
58000	Commercial Egg Handling Equipment	73000	Food Marketing, Storage & Distribution Facilities
61006	Greenhouses (Empty) (Environs, Benches, Etc.)	74000	Hospitals & Related Institutions (All Or Unspec)
61008	Beehives (All Or Unspec)	74016	Nursing Homes
61015	Greenhouses (In Use)	77000	Commercial, Institutional Or Industrial Areas
63000	Household Or Domestic Dwellings (All Or Unspec)	77001	Schools
63001	Household Or Domestic Dwellings (Indoor)	77002	Commercial, Institutional Or Industrial Equipment
63002	Cracks & Crevices	77004	Commercial Storages Or Warehouses (All Or Unspec)
63003	Household Or Domestic Dwellings (Outdoor)	77005	Commercial/Institut./Indust. Bldgs. (Nonfood-Fum.)

Table D-4. CYPERMETHRIN—Urban Sites of Use (Continued)

Code	Site Name	Code	Site Name
63010	Baseboards	77501	Schools (Indoor) (School Yards Use 67002)
64500	Wood Protection Treatments (All Or Unspecified)	77502	Non-Feed/Non-Food Processing Plants
64502	Wood Structures: Above Ground & Finished Struct	86501	Human Facegear And Footwear (Combined Site)
64503	Wood Protection: At/Below Ground Level	88003	Bathroom Premises (Lavatories, Restrooms, Etc.)
67000	Uncultivated Non-Ag Areas (All Or Unspec)	89000	Refuse And Solid Waste Sites (All Or Unspec)
67002	Recreational Areas, Tennis Courts, Parks, Etc.	90011	Ant Dens/Hills/Mounds (In/Out-Door) (All/Unsp)
67003	Buildings And Structures (Non-Ag Outdoor)	90013	Beehives, Bee Colony (Diseased, Nuisance)

Table D-5. DELTAMETHRIN—Urban Sites of Use

Code	Site Name	Code	Site Name
31000	Ornamental Herbaceous Plants (All Or Unspec)	63000	Household Or Domestic Dwellings (All Or Unspec)
31003	Ornamental Herbaceous Flowering Plants (All/Un)	63001	Household Or Domestic Dwellings (Indoor)
31004	Ornamental Herbaceous Foliage Plants (All/Un)	63002	Cracks & Crevices
31005	Ornamental Bulb, Corm, Rhizome Plants (All/Unspec)	63003	Household Or Domestic Dwellings (Outdoor)
31008	Ornamental Water Plants (All Or Unspec)	63004	Greenhouses - Domestic Non-Commercial
31012	African Violets/Saintpaulia	63010	Baseboards
31026	Aster (Aster Hybrids)	63011	Window Frames (Indoor)
31034	Begonia (Fibrous & Tuberous Rooted)	63014	Door Frames
31057	Carnation	63503	Cracks & Crevices
31065	Chrysanthemum (Mum)	63506	Baseboards
31084	Dahlias	63507	Window Frames (Indoor)
31108	Geranium	63510	Door Frames
31129	Larkspur (Delphinium)	64000	Wood Or Wood Structure Protection Treatments
31137	Marigold	64500	Wood Protection Treatments (All Or Unspecified)
31154	Petunias	64502	Wood Structures: Above Ground & Finished Struct
31168	Rubber Plant/Indian Rubber Tree	64503	Wood Protection: At/Below Ground Level
31184	Snapdragon	64504	Wood Structures: Indoor/Enclosed Areas
31188	Stocks; Matthiola Spp.	65026	Sewage Systems (Septic Tanks, Sewers, Etc.)
31213	Zinnia	67000	Uncultivated Non-Ag Areas (All Or Unspec)
31233	Crassula (Crassula Spp.)	67002	Recreational Areas, Tennis Courts, Parks, Etc.
31278	Wandering Jew	67003	Buildings And Structures (Non-Ag Outdoor)
31400	Iris, English (Iris Xiphioides)	67008	Sewage Disposal Areas (Municipal And Other)
32000	Ornamental Plants (Herb. & Woody) (All Or Unspec)	67009	Industrial Sites (Lumber Yards, Tank Farms, Etc.)
32002	Ornamental Vines (Herb. & Woody) (All Or Unspec.)	67011	Paved Areas, Pre-Paving Applications
32004	Ornamental Plants (Deciduous) (All Or Unspec)		

Table D-5. DELTAMETHRIN—Urban Sites of Use (Continued)

Code	Site Name	Code	Site Name
32005	Ornamental Evergreens (All Or Unspec)	67012	Private Roads, Walkways, Lanes, Patios, Etc.
32010	House Plants	67013	Rights-Of-Way (Unspec) (Firelanes, Etc.)
32501	Gardens (Ornamental, Flower, Rock, Shrub, Etc.)	67015	Fencerows, Hedgerows, Stone Walls (Non-Ag)
33007	Turf, Golf Course (Fairways, Greens, Rough)	68002	Urban Areas (All Or Unspec) (Residential, Etc.)
33008	Ornamental Turf (All Or Unspec)	68010	Animal Burrows (Vert. And Insect Pests)
33010	Ornamental Lawns, Lawns (All Or Unspec)	68501	Animal Burrow Entrances,Dens, Trails, Etc.
33011	Ornamental Grasses	69003	Boats/Ships (Wood, Plywood)
33028	Dichondra (Ground Cover)	70000	Commercial Transport Facilities (All Or Unspec)
33030	Ivy, English (Baltic, Wilson Ivy) (Ground Cover)	70004	Ships, Boat Premises, Etc. (All Or Unspec)
33050	St. Augustinegrass	70007	Automobiles, Taxis, Limos, RV's, & Components
34000	Ornamental Shrubs (All Or Unspec) (Woody/Herb.)	70009	Railroad Cars (Feed/Food-Empty)
34006	Ornamental Broadleaf Evergreen Shrubs	70017	Trucks (Feed/Food-Empty) (Truck Beds, Vans, Etc.)
34007	Ornamental Deciduous Shrubs	70026	Railway Trains (All Or Unspec)
34022	Azalea (Rhododendron Species)	70028	Buses (All Or Unspec)
34036	Camellia	70504	Commercial Transport Facil (Non Feed/Food-Unspec)
34040	Laurel, Cherry/English; Prunus Laurocerasus	71000	Food Processing/Handling Plant/Area (All/Unspec)
34053	Euonymous	71005	Creameries, Dairies, Cheese Plants, Etc.
34118	Rhododendron (Species/Hybrids/Cultivars) (Azalea)	71006	Feed Mills, Feed Stores, Feed Processing Plants
34120	Rose	71501	Food Processing/Handling Plant/Area (Food Area)
34198	Grapevines (Ornamental) (Vittis Spp.)	71502	Food Processing/Handling Plant/Area (Nonfood Area)
35000	Ornamental And/Or Shade Trees (All Or Unspec)	72000	Eating Establishments (All Or Unspec)
35005	Ornamental Broadleaf Evergreen Trees (All/Unspec)	72004	Eating Establishments (Non-Food Areas)
35006	Ornamental Deciduous Trees (All Or Unspec)	72501	Eating Establishments (Food Handling/Serving Area)
35007	Ornamental Conifers (All Or Unspec)	73000	Food Marketing, Storage & Distribution Facilities
35043	Dogwood (Ornamental)	74000	Hospitals & Related Institutions (All Or Unspec)

Table D-5. DELTAMETHRIN—Urban Sites of Use (Continued)

Code	Site Name	Code	Site Name
39003	Ornamental Nurseries (Stock, Crops, Etc.)	74016	Nursing Homes
39005	Ornamental Plants - Greenhouse (All Or Unspec)	76000	Morgues, Mortuaries, Funeral Homes (All Or Unspec)
40000	Soil Application (Ag-Crop, Orn-Plant Situations)	76501	Mausoleums
40008	Soil Application, Preplant-Outdoor (Seedbeds,Etc.)	77000	Commercial, Institutional Or Industrial Areas
40502	Soil Beneath Host Plants	77001	Schools
43043	Horse/Donkey/Mule/Pony Feed (All Or Unspec)	77002	Commercial, Institutional Or Industrial Equipment
46000	Storage Areas & Processing Equipment (All/Unspec)	77004	Commercial Storages Or Warehouses (All Or Unspec)
46027	Storage Areas - Full (All Or Unspec)	77501	Schools (Indoor) (School Yards Use 67002)
46028	Feed/Food Storage Areas - Empty	77502	Non-Feed/Non-Food Processing Plants
46037	Storage Areas (Unspecified)	86000	Human Sites (All Or Unspec)
46501	Storage Areas (Unspecified)	86001	Human Bedding
46502	Feed/Food Storage Areas (Unspecified)	87010	Carpets (Hospital, Commercial, Household)
54000	Pets (All Or Unspec)	89000	Refuse And Solid Waste Sites (All Or Unspec)
54002	Cats (All Or Unspec) (Pet)	89003	Garbage Dumps (All Or Unspec)
54003	Dogs (All Or Unspec) (Pet)	90011	Ant Dens/Hills/Mounds (In/Out-Door) (All/Unsp)
56005	Horses (Race, Draft, Show, Riding, Etc.)	90550	Zoos
61008	Beehives (All Or Unspec)	100003	Landscape Maintenance

Table D-6. ESFENVALERATE—Urban Sites of Use

Code	Site Name	Code	Site Name
31003	Ornamental Herbaceous Flowering Plants (All/Un)	64500	Wood Protection Treatments (All Or Unspecified)
31004	Ornamental Herbaceous Foliage Plants (All/Un)	64501	Lumber (Seasoned/Unseasoned)
31005	Ornamental Bulb, Corm, Rhizome Plants (All/Unspec)	64502	Wood Structures: Above Ground & Finished Struct
31006	Ornamental Herbaceous Perennial Plants	64503	Wood Protection: At/Below Ground Level
31007	Ornamental Herbaceous Annual Plants (All/Unspec)	66000	Uncultivated Agricultural Areas (All Or Unspec)
32000	Ornamental Plants (Herb. & Woody) (All Or Unspec)	67000	Uncultivated Non-Ag Areas (All Or Unspec)
32001	Ornamental Woody Plants (All Or Unspec)	67002	Recreational Areas, Tennis Courts, Parks, Etc.
32002	Ornamental Vines (Herb. & Woody) (All Or Unspec.)	67003	Buildings And Structures (Non-Ag Outdoor)
32004	Ornamental Plants (Deciduous) (All Or Unspec)	67006	Utility Rights-Of-Way, Yards, Substations, Etc.
32501	Gardens (Ornamental, Flower, Rock, Shrub, Etc.)	67012	Private Roads, Walkways, Lanes, Patios, Etc.
33007	Turf, Golf Course (Fairways, Greens, Rough)	67013	Rights-Of-Way (Unspec) (Firelanes, Etc.)
33008	Ornamental Turf (All Or Unspec)	68002	Urban Areas (All Or Unspec) (Residential, Etc.)
33009	Ornamental Ground Covers (All Or Unspec)	70000	Commercial Transport Facilities (All Or Unspec)
33010	Ornamental Lawns, Lawns (All Or Unspec)	70006	Trucks (Nonfeed/Food), Trucks (Empty), Etc.
33011	Ornamental Grasses	70009	Railroad Cars (Feed/Food-Empty)
34000	Ornamental Shrubs (All Or Unspec) (Woody/Herb.)	70026	Railway Trains (All Or Unspec)
34006	Ornamental Broadleaf Evergreen Shrubs	70501	Commercial Transport Facil (Feed/Food-Unspec)
34007	Ornamental Deciduous Shrubs	70502	Commercial Transport Facil (Non Feed/Food-Empty)
34120	Rose	70504	Commercial Transport Facil (Non Feed/Food-Unspec)
35000	Ornamental And/Or Shade Trees (All Or Unspec)	71000	Food Processing/Handling Plant/Area (All/Unspec)
35007	Ornamental Conifers (All Or Unspec)	71001	Bakeries, Bakery Equipment, Etc.
40000	Soil Application (Ag-Crop, Orn-Plant Situations)	71006	Feed Mills, Feed Stores, Feed Processing Plants
40008	Soil Application, Preplant-Outdoor (Seedbeds,Etc.)	71021	Cereal Processing Plants (Mills)
40502	Soil Beneath Host Plants		
43000	Processed Food And Feed Products (All Or Unspec)		

Table D-6. ESFENVALERATE—Urban Sites of Use (Continued)

Code	Site Name	Code	Site Name
46000	Storage Areas & Processing Equipment (All/Unspec)	71033	Food Processing/Handling Plant/Area (Food Area)
46027	Storage Areas - Full (All Or Unspec)	71501	Food Processing/Handling Plant/Area (Food Area)
46029	Feed/Food Storage Areas - Full	71502	Food Processing/Handling Plant/Area (Nonfood Area)
46501	Storage Areas (Unspecified)	72000	Eating Establishments (All Or Unspec)
46502	Feed/Food Storage Areas (Unspecified)	72004	Eating Establishments (Non-Food Areas)
46503	Non Feed/Food Storage Areas (Unspecified)	72501	Eating Establishments (Food Handling/Serving Area)
54000	Pets (All Or Unspec)	73000	Food Marketing, Storage & Distribution Facilities
54003	Dogs (All Or Unspec) (Pet)	73002	Food Stores, Food Markets, Supermarkets, Etc.
63000	Household Or Domestic Dwellings (All Or Unspec)	74000	Hospitals & Related Institutions (All Or Unspec)
63001	Household Or Domestic Dwellings (Indoor)	74016	Nursing Homes
63002	Cracks & Crevices	77000	Commercial, Institutional Or Industrial Areas
63003	Household Or Domestic Dwellings (Outdoor)	77001	Schools
63010	Baseboards	77004	Commercial Storages Or Warehouses (All Or Unspec)
63012	Wall Voids, Wood (Injection)	77005	Commercial/Institut./Indust. Bldgs. (Nonfood-Fum.)
63013	Window Sills	77501	Schools (Indoor) (School Yards Use 67002)
63506	Baseboards	77502	Non-Feed/Non-Food Processing Plants
63508	Wall Void, Wood (Injection)	89000	Refuse And Solid Waste Sites (All Or Unspec)
63509	Window Sills	90011	Ant Dens/Hills/Mounds (In/Out-Door) (All/Unsp)

Table D-7. IMIDACLOPRID—Urban Sites of Use

Code	Site Name	Code	Site Name
31000	Ornamental Herbaceous Plants (All Or Unspec)	54000	Pets (All Or Unspec)
31003	Ornamental Herbaceous Flowering Plants (All/Un)	54002	Cats (All Or Unspec) (Pet)
31004	Ornamental Herbaceous Foliage Plants (All/Un)	54003	Dogs (All Or Unspec) (Pet)
32000	Ornamental Plants (Herb. & Woody) (All Or Unspec)	61006	Greenhouses (Empty) (Environs, Benches, Etc.)
32002	Ornamental Vines (Herb. & Woody) (All Or Unspec.)	63000	Household Or Domestic Dwellings (All Or Unspec)
32004	Ornamental Plants (Deciduous) (All Or Unspec)	63001	Household Or Domestic Dwellings (Indoor)
32005	Ornamental Evergreens (All Or Unspec)	63003	Household Or Domestic Dwellings (Outdoor)
32010	House Plants	64000	Wood Or Wood Structure Protection Treatments
32501	Gardens (Ornamental, Flower, Rock, Shrub, Etc.)	64500	Wood Protection Treatments (All Or Unspecified)
33007	Turf, Golf Course (Fairways, Greens, Rough)	64502	Wood Structures: Above Ground & Finished Struct
33008	Ornamental Turf (All Or Unspec)	64503	Wood Protection: At/Below Ground Level
33009	Ornamental Ground Covers (All Or Unspec)	64504	Wood Structures: Indoor/Enclosed Areas
33010	Ornamental Lawns, Lawns (All Or Unspec)	67000	Uncultivated Non-Ag Areas (All Or Unspec)
33011	Ornamental Grasses	67001	Airports And Landing Fields (Runways, Etc.)
33012	Ornamental Clovers	67002	Recreational Areas, Tennis Courts, Parks, Etc.
33028	Dichondra (Ground Cover)	67003	Buildings And Structures (Non-Ag Outdoor)
33112	Ivy (All Or Unspec) (Ground Cover)	67006	Utility Rights-Of-Way, Yards, Substations, Etc.
33124	Iceplant (Ground Cover)	67011	Paved Areas, Pre-Paving Applications
34000	Ornamental Shrubs (All Or Unspec) (Woody/Herb.)	67012	Private Roads, Walkways, Lanes, Patios, Etc.
34004	Ornamental Woody Shrubs	67013	Rights-Of-Way (Unspec) (Firelanes, Etc.)
34006	Ornamental Broadleaf Evergreen Shrubs		
34007	Ornamental Deciduous Shrubs		
34057	Ficus (Ornamental Fig) (Ficus Spp.)		
34069	Hibiscus (Rose Mallow) (Hibiscus Spp)		
34120	Rose		

Table D-7. IMIDACLOPRID—Urban Sites of Use (Continued)

Code	Site Name	Code	Site Name
35000	Ornamental And/Or Shade Trees (All Or Unspec)	67015	Fencerows, Hedgerows, Stone Walls (Non-Ag)
35005	Ornamental Broadleaf Evergreen Trees (All/Unspec)	69004	Marine Structures & Equipment (All Or Unspec)
35006	Ornamental Deciduous Trees (All Or Unspec)	70000	Commercial Transport Facilities (All Or Unspec)
35007	Ornamental Conifers (All Or Unspec)	71000	Food Processing/Handling Plant/Area (All/Unspec)
35008	Ornamental Flowering Trees (Fruit, Nut, Etc.)	71501	Food Processing/Handling Plant/Area (Food Area)
35097	Palm; Family Palmae	71502	Food Processing/Handling Plant/Area (Nonfood Area)
39000	Ornamental Nonflowering Plants (All Or Unspec)	72000	Eating Establishments (All Or Unspec)
39001	Ornamental Ferns (All Or Unspec)	73000	Food Marketing, Storage & Distribution Facilities
39003	Ornamental Nurseries (Stock, Crops, Etc.)	73002	Food Stores, Food Markets, Supermarkets, Etc.
39005	Ornamental Plants - Greenhouse (All Or Unspec)	74000	Hospitals & Related Institutions (All Or Unspec)
40000	Soil Application (Ag-Crop, Orn-Plant Situations)	74016	Nursing Homes
40005	Soil Application, Preplant-Indoor(Greenhouse,Etc.)	76000	Morgues, Mortuaries, Funeral Homes (All Or Unspec)
40008	Soil Application, Preplant-Outdoor (Seedbeds,Etc.)	77000	Commercial, Institutional Or Industrial Areas
40502	Soil Beneath Host Plants	77001	Schools
43002	Cereals, Processed (All Or Unspec)	77004	Commercial Storages Or Warehouses (All Or Unspec)
43028	Rice (Enriched, Milled, Processed, Etc.)	90011	Ant Dens/Hills/Mounds (In/Out-Door) (All/Unsp)
43054	Rye (Processed)	90550	Zoos
46000	Storage Areas & Processing Equipment (All/Unspec)	100003	Landscape Maintenance
46027	Storage Areas - Full (All Or Unspec)		

Table D-8. MALATHION—Urban Sites of Use

Code	Site Name	Code	Site Name
31000	Ornamental Herbaceous Plants (All Or Unspec)	63001	Household Or Domestic Dwellings (Indoor)
31003	Ornamental Herbaceous Flowering Plants (All/Un)	63003	Household Or Domestic Dwellings (Outdoor)
31005	Ornamental Bulb, Corm, Rhizome Plants (All/Unspec)	63017	Domestic Garden Crops (Non-Commercial)
31057	Carnation	64501	Lumber (Seasoned/Unseasoned)
31065	Chrysanthemum (Mum)	65000	Aquatic Areas, Water Areas (All Or Unspec)
32000	Ornamental Plants (Herb. & Woody) (All Or Unspec)	65031	Lakes, Ponds, Reservoirs, Etc. (Animal Use)
32005	Ornamental Evergreens (All Or Unspec)	65033	Swamps, Marshes, Bogs & Standing Water (Permanent)
32010	House Plants	65034	Industrial, Commercial Ponds (Log Ponds, Etc.)
32501	Gardens (Ornamental, Flower, Rock, Shrub, Etc.)	65037	Polluted/Stagnant Water
33007	Turf, Golf Course (Fairways, Greens, Rough)	65038	Intermittently Flooded Areas, Catch Basins, Etc.
33008	Ornamental Turf (All Or Unspec)	65039	Salt Water Sites, Tidal Areas, Etc.
33009	Ornamental Ground Covers (All Or Unspec)	67000	Uncultivated Non-Ag Areas (All Or Unspec)
33010	Ornamental Lawns, Lawns (All Or Unspec)	67003	Buildings And Structures (Non-Ag Outdoor)
33011	Ornamental Grasses	67012	Private Roads, Walkways, Lanes, Patios, Etc.
34000	Ornamental Shrubs (All Or Unspec) (Woody/Herb.)	67013	Rights-Of-Way (Unspec) (Firelanes, Etc.)
34006	Ornamental Broadleaf Evergreen Shrubs	67015	Fencerows, Hedgerows, Stone Walls (Non-Ag)
34007	Ornamental Deciduous Shrubs	67017	Wasteland(S) (Distinct From Pasture/Rangeland)
34022	Azalea (Rhododendron Species)	67501	Wasteland(S) (Distinct From Pasture/Rangeland)
34036	Camellia	68000	Wide Area And General In-/Outdoor (All Or Unspec)
34118	Rhododendron (Species/Hybrids/Cultivars) (Azalea)	68002	Urban Areas (All Or Unspec) (Residential, Etc.)
34120	Rose	68005	Non-Agricultural Areas (Public Health Treatment)
35000	Ornamental And/Or Shade Trees (All Or Unspec)	68502	Mosquito Abatement Districts
35005	Ornamental Broadleaf Evergreen Trees (All/Unspec)	70000	Commercial Transport Facilities (All Or Unspec)
35006	Ornamental Deciduous Trees (All Or Unspec)	70004	Ships, Boat Premises, Etc. (All Or Unspec)
35007	Ornamental Conifers (All Or Unspec)	70031	Commercial Transport Facil (Feed/Food-Empty)

Table D-8. MALATHION—Urban Sites of Use (Continued)

Code	Site Name	Code	Site Name
35098	Pine; Pinus Spp.	70032	Commercial Transport Facil (Feed/Food-Full)
39001	Ornamental Ferns (All Or Unspec)	71000	Food Processing/Handling Plant/Area (All/Unspec)
39003	Ornamental Nurseries (Stock, Crops, Etc.)	71005	Creameries, Dairies, Cheese Plants, Etc.
39005	Ornamental Plants - Greenhouse (All Or Unspec)	71501	Food Processing/Handling Plant/Area (Food Area)
40000	Soil Application (Ag-Crop, Orn-Plant Situations)	71502	Food Processing/Handling Plant/Area (Nonfood Area)
40001	Manure	72000	Eating Establishments (All Or Unspec)
40003	Compost, Compost Piles (Rotted)	72004	Eating Establishments (Non-Food Areas)
40004	Cull Piles (Fruit,Vegetable,Etc.), Vegetable Dumps	72501	Eating Establishments (Food Handling/Serving Area)
40008	Soil Application, Preplant-Outdoor (Seedbeds,Etc.)	73000	Food Marketing, Storage & Distribution Facilities
43014	Citrus Pulp	77000	Commercial, Institutional Or Industrial Areas
45003	Treatment Of Empty Containers (Raw Ag. Products)	77004	Commercial Storages Or Warehouses (All Or Unspec)
46000	Storage Areas & Processing Equipment (All/Unspec)	77005	Commercial/Institut./Indust. Bldgs. (Nonfood-Fum.)
46019	Grain/Cereal/Flour Elevators -Empty	77501	Schools (Indoor) (School Yards Use 67002)
46028	Feed/Food Storage Areas - Empty	86000	Human Sites (All Or Unspec)
46033	Grain/Cereal/Flour Storage Areas - Full	89000	Refuse And Solid Waste Sites (All Or Unspec)
54000	Pets (All Or Unspec)	89001	Refuse And Solid Waste Containers
54002	Cats (All Or Unspec) (Pet)	89003	Garbage Dumps (All Or Unspec)
54003	Dogs (All Or Unspec) (Pet)	90002	Quarantine Use (Federal And/Or State - Unspec)
56005	Horses (Race, Draft, Show, Riding, Etc.)	90011	Ant Dens/Hills/Mounds (In/Out-Door) (All/Unsp)
61006	Greenhouses (Empty) (Environs, Benches, Etc.)	90013	Beehives, Bee Colony (Diseased, Nuisance)
63000	Household Or Domestic Dwellings (All Or Unspec)		

Table D-9. PERMETHRIN—Urban Sites of Use

Code	Site Name	Code	Site Name
29510	Nurseries (All Or Unspec)	35073	Juniper; Juniperus Spp.
31000	Ornamental Herbaceous Plants (All Or Unspec)	35077	Locust
31003	Ornamental Herbaceous Flowering Plants (All/Un)	35083	Maple; Acer Spp.
31004	Ornamental Herbaceous Foliage Plants (All/Un)	35093	Oak (Quercus Spp.)
31005	Ornamental Bulb, Corm, Rhizome Plants (All/Unspec)	35095	Citrus (Ornamental); Citrus Spp.
31007	Ornamental Herbaceous Annual Plants (All/Unspec)	35096	Guava (Ornamental); Psidium Spp.
31008	Ornamental Water Plants (All Or Unspec)	35097	Palm; Family Palmae
31012	African Violets/Saintpaulia	35098	Pine; Pinus Spp.
31013	Ageratum/Flossflower/Pussy-Foot	35099	Podocarpus; Podocarpus Spp.
31021	Anthurium	35101	Poplar (Populus Spp.)
31025	Fern, Asparagus (Plumose Fern)	35116	Spruce
31026	Aster (Aster Hybrids)	35120	Tuliptree
31028	Baby's-Breath	35130	Yew (Taxus Species)
31030	Bachelor's Button/Cornflower	35136	Mimosa
31031	Balsam Apple	39001	Ornamental Ferns (All Or Unspec)
31032	Balsam Pear (Bitter Melon/Melos)	39003	Ornamental Nurseries (Stock, Crops, Etc.)
31034	Begonia (Fibrous & Tuberous Rooted)	39005	Ornamental Plants - Greenhouse (All Or Unspec)
31046	Cacti (Family Cactaceae)	40000	Soil Application (Ag-Crop, Orn-Plant Situations)
31047	Caladium (Angels Wing)	40003	Compost, Compost Piles (Rotted)
31049	Calceolaria	40005	Soil Application, Preplant-Indoor(Greenhouse,Etc.)
31050	Calendula	40008	Soil Application, Preplant-Outdoor (Seedbeds,Etc.)
31052	Lilies, Calla (Calla Spp.)	44006	Textiles, Fabrics, And Fibers (Stored)
31057	Carnation	46000	Storage Areas & Processing Equipment (All/Unspec)
31061	Chamaedora (Neanthe Bella Palm)	46025	Nonfeed/Nonfood Commodities - Temporary Storage
31063	Chinese Evergreen	46026	Storage Areas - Empty (All Or Unspec)

Table D-9. PERMETHRIN—Urban Sites of Use (Continued)

Code	Site Name	Code	Site Name
31065	Chrysanthemum (Mum)	46027	Storage Areas - Full (All Or Unspec)
31066	Cineraria	46028	Feed/Food Storage Areas - Empty
31071	Coleus	46037	Storage Areas (Unspecified)
31072	Columbine	46501	Storage Areas (Unspecified)
31080	Cyclamen	46502	Feed/Food Storage Areas (Unspecified)
31081	Cymbidium Orchids	46503	Non Feed/Food Storage Areas (Unspecified)
31083	Daffodil	54000	Pets (All Or Unspec)
31084	Dahlias	54002	Cats (All Or Unspec) (Pet)
31089	Diffenbachia (Dumbcane)	54003	Dogs (All Or Unspec) (Pet)
31092	Dracaena (Godseffiana); Dracaena Spp.	54004	Dogs (Puppies) (Pet)
31104	Fuchsia; Use 34841	54007	Dogs (Adult) (Pet)
31107	Garden Cress	54010	Birds (All Or Unspec) (Aviary Birds, Etc.) (Pet)
31108	Geranium	54020	Rodents (All Or Unspec) (Pet)
31111	Gladiolus	56005	Horses (Race, Draft, Show, Riding, Etc.)
31117	Gypsophila (Baby's Breath)	56020	Zoo Animals (All Or Unspec)
31121	Hollyhock (Althea)	58000	Commercial Egg Handling Equipment
31126	Iris	58501	Egg Handling Areas/Equipment (Combined Site)
31129	Larkspur (Delphinium)	61006	Greenhouses (Empty) (Environs, Benches, Etc.)
31131	Lilies (Excl. Belladonna & Calla Lilies)	61007	Mushroom Houses (All Or Unspec)
31132	Lily-Of-The-Valley; Convallaria Majalis	61008	Beehives (All Or Unspec)
31137	Marigold	61015	Greenhouses (In Use)
31143	Nasturtium	63000	Household Or Domestic Dwellings (All Or Unspec)
31147	Orchids (All Or Unspecified)	63001	Household Or Domestic Dwellings (Indoor)
31149	Pansies	63002	Cracks & Crevices
31151	Peonies	63003	Household Or Domestic Dwellings (Outdoor)

Table D-9. PERMETHRIN—Urban Sites of Use (Continued)

Code	Site Name	Code	Site Name
31154	Petunias	63004	Greenhouses - Domestic Non-Commercial
31155	Philodendron & Split Leaf Philodendron	63005	House Or Domestic Dwelling Indoor Non-Food Area
31159	Pointsetta	63006	Household Or Domestic Dwelling Food Handling Areas
31163	Loosestrife, Purple	63010	Baseboards
31167	Portulaca/Rose Moss	63011	Window Frames (Indoor)
31168	Rubber Plant/Indian Rubber Tree	63012	Wall Voids, Wood (Injection)
31170	Sage, Ornamental/Scarlet; Salvia Spp.	63013	Window Sills
31172	Sansevieria/Snake Plant (Sansevieria Spp.)	63014	Door Frames
31184	Snapdragon	63017	Domestic Garden Crops (Non-Commercial)
31186	Spathiphyllum	63503	Cracks & Crevices
31188	Stocks; Matthiola Spp.	63504	Greenhouses - Domestic Non-Commercial
31194	Sunflower	63506	Baseboards
31197	Sweet Pea	63507	Window Frames (Indoor)
31205	Tulips	63508	Wall Void, Wood (Injection)
31206	Verbena	63509	Window Sills
31213	Zinnia	63510	Door Frames
31223	Bamboo (Species Of: Bambusa; Sasa; Phyllostachys)	64000	Wood Or Wood Structure Protection Treatments
31228	Lily, Canna (Canna) (Canna Hybrids)	64003	Wood Protection - Finished Wood Products
31233	Crassula (Crassula Spp.)	64500	Wood Protection Treatments (All Or Unspecified)
31267	Snakeplant; Sansevieria Trifasciata Prain.	64501	Lumber (Seasoned/Unseasoned)
31276	Violas; Viola Spp.	64502	Wood Structures: Above Ground & Finished Struct
31278	Wandering Jew	64503	Wood Protection: At/Below Ground Level
31287	Laurel, Indian (Ficus Retusa)	64504	Wood Structures: Indoor/Enclosed Areas
31297	Succulents (All Or Unspecified)		
31306	Velvetplant, Java Velvetleaf		

Table D-9. PERMETHRIN—Urban Sites of Use (Continued)

Code	Site Name	Code	Site Name
31450	Spider Plant; Chlorophytum Comosum	65026	Sewage Systems (Septic Tanks, Sewers, Etc.)
31465	Creeping Charlie; Lysimachia Numularia/Pilea Num	66000	Uncultivated Agricultural Areas (All Or Unspec)
32000	Ornamental Plants (Herb. & Woody) (All Or Unspec)	67000	Uncultivated Non-Ag Areas (All Or Unspec)
32002	Ornamental Vines (Herb. & Woody) (All Or Unspec.)	67002	Recreational Areas, Tennis Courts, Parks, Etc.
32003	Ornamental Broadleaf Evergreens (All Or Unspec)	67003	Buildings And Structures (Non-Ag Outdoor)
32004	Ornamental Plants (Deciduous) (All Or Unspec)	67006	Utility Rights-Of-Way, Yards, Substations, Etc.
32005	Ornamental Evergreens (All Or Unspec)	67008	Sewage Disposal Areas (Municipal And Other)
32008	Weed Hosts Of Plant Pathogens	67009	Industrial Sites (Lumber Yards, Tank Farms, Etc.)
32010	House Plants	67011	Paved Areas, Pre-Paving Applications
32501	Gardens (Ornamental, Flower, Rock, Shrub, Etc.)	67012	Private Roads, Walkways, Lanes, Patios, Etc.
33007	Turf, Golf Course (Fairways, Greens, Rough)	67013	Rights-Of-Way (Unspec) (Firelanes, Etc.)
33008	Ornamental Turf (All Or Unspec)	67015	Fencerows, Hedgerows, Stone Walls (Non-Ag)
33009	Ornamental Ground Covers (All Or Unspec)	67501	Wasteland(S) (Distinct From Pasture/Rangeland)
33010	Ornamental Lawns, Lawns (All Or Unspec)	68000	Wide Area And General In-/Outdoor (All Or Unspec)
33011	Ornamental Grasses	68002	Urban Areas (All Or Unspec) (Residential, Etc.)
33016	Bentgrass	68003	Public Buildings And Structures (Vert. Pests)
33017	Bermudagrass	68005	Non-Agricultural Areas (Public Health Treatment)
33019	Bluegrass	68501	Animal Burrow Entrances,Dens, Trails, Etc.
33028	Dichondra (Ground Cover)	68502	Mosquito Abatement Districts
33030	Ivy, English (Baltic, Wilson Ivy) (Ground Cover)	70000	Commercial Transport Facilities (All Or Unspec)
33031	Fescue	70004	Ships, Boat Premises, Etc. (All Or Unspec)
33043	Ryegrass, Perennial	70006	Trucks (Nonfeed/Food), Trucks (Empty), Etc.
33050	St. Augustinegrass	70007	Automobiles, Taxis, Limos, Rv's, & Components
33054	Lovegrass, Weeping; Eragrostis Curvula	70009	Railroad Cars (Feed/Food-Empty)
33063	Honeysuckle (Ground Cover)		

Table D-9. PERMETHRIN—Urban Sites of Use (Continued)

Code	Site Name	Code	Site Name
33112	Ivy (All Or Unspec) (Ground Cover)	70017	Trucks (Feed/Food-Empty) (Truck Beds, Vans, Etc.)
33116	Bluegrass, Perennial	70026	Railway Trains (All Or Unspec)
33124	Iceplant (Ground Cover)	70028	Buses (All Or Unspec)
33127	Juniper (Ground Cover)	70031	Commercial Transport Facil (Feed/Food-Empty)
34000	Ornamental Shrubs (All Or Unspec) (Woody/Herb.)	70501	Commercial Transport Facil (Feed/Food-Unspec)
34005	Ornamental Woody Vines	70504	Commercial Transport Facil (Non Feed/Food-Unspec)
34006	Ornamental Broadleaf Evergreen Shrubs	71000	Food Processing/Handling Plant/Area (All/Unspec)
34007	Ornamental Deciduous Shrubs	71001	Bakeries, Bakery Equipment, Etc.
34020	Ardista (Coralberry/Marlberry); Ardisia Spp.	71002	Bottling Plants (Includes Beverage Bottles)
34022	Azalea (Rhododendron Species)	71004	Canneries And Frozen Food Plants
34030	Bougainvillea; Bougainvillea Spp.	71006	Feed Mills, Feed Stores, Feed Processing Plants
34031	Boxwood (Box Tree) (Buxus Spp.)	71008	Meat Processing Plants (Slaughter Houses, Etc.)
34036	Camellia	71009	Poultry Meat Processing Plants, Etc.
34040	Laurel, Cherry/English; Prunus Laurocerasus	71011	Flour Mills, Flour/Grain Elevators, Etc.
34044	Coral Berry; Ardisia Crispa	71012	Egg Processing Plants, Egg Breaking Plants
34053	Euonymous	71019	Beverage Processing Plants, Etc. (All Or Unspec)
34055	Feijoa (Pineapple Guava) (Feijoa Spp.)	71021	Cereal Processing Plants (Mills)
34057	Ficus (Ornamental Fig) (Ficus Spp.)	71033	Food Processing/Handling Plant/Area (Food Area)
34061	Quince, Flowering (Chaemomeles Spp.) Orn	71034	Food Processing/Handling Plant/Area (Nonfood Are
34062	Forsythia (Goldenn Bell) (Forsythia Spp.)	71501	Food Processing/Handling Plant/Area (Food Area)
34063	Gardenia	71502	Food Processing/Handling Plant/Area (Nonfood Area)
34069	Hibiscus (Rose Mallow) (Hibiscus Spp)	72000	Eating Establishments (All Or Unspec)
34072	Honeysuckle (Lonicera Spp.)	72004	Eating Establishments (Non-Food Areas)
34081	Jasmine (Jasminui Spp.)	72501	Eating Establishments (Food Handling/Serving Area)
34088	Ligustrum (Privet) (Ligustrum Spp.)	73000	Food Marketing, Storage & Distribution Facilities

Table D-9. PERMETHRIN—Urban Sites of Use (Continued)

Code	Site Name	Code	Site Name
34089	Lilac	73002	Food Stores, Food Markets, Supermarkets, Etc.
34094	Orange, Mock (<i>Philadelphus</i> Spp.)	74000	Hospitals & Related Institutions (All Or Unspec)
34097	Laurel, Mountain (<i>Kalia Latifolia</i>)	74016	Nursing Homes
34101	<i>Physocarpus</i> /Ninebark; <i>Physocarpus Opulifolius</i>	74502	Veterinary Hospitals (Veterinary) (All Or Unspec)
34107	Laurel, Cuban; <i>Ficus</i> Spp.	76000	Morgues, Mortuaries, Funeral Homes (All Or Unspec)
34116	Pothos; <i>Pothos</i> Spp.	77000	Commercial, Institutional Or Industrial Areas
34118	<i>Rhododendron</i> (Species/Hybrids/Cultivars) (<i>Azalea</i>)	77001	Schools
34120	Rose	77004	Commercial Storages Or Warehouses (All Or Unspec)
34129	Snowberry (<i>Symphoricarpos</i> Spp.)	77005	Commercial/Institut./Indust. Bldgs. (Nonfood-Fum.)
34130	<i>Spirea</i> (<i>Spiraea</i> Spp.)	77501	Schools (Indoor) (School Yards Use 67002)
34134	Lilac (<i>Syringa</i>) (<i>Syringa</i> Spp.)	77502	Non-Feed/Non-Food Processing Plants
34135	Peony, Tree (<i>Paeonia Suffructicosa</i>)	86000	Human Sites (All Or Unspec)
34136	Trumpetcreeper/Trumpetvine; <i>Campsis Radicans</i>	86001	Human Bedding
34137	<i>Viburnum</i> (Snowball)	86002	Human Body (All Or Unspec)
34139	Wax-Myrtle/Southern Wax-Myrtle; <i>Myrica Cerifera</i>	86003	Human Clothing(Incl. Wigs/Footwear/Etc)
34172	<i>Fatshedera</i> (Ivy Tree); <i>Fatshedera Lizei</i> = <i>Fatsia Jap</i>	86010	Human Camping Equipment
34198	Grapevines (Ornamental) (<i>Vittis</i> Spp.)	86501	Human Facegear And Footwear (Combined Site)
34330	Passionflower (<i>Passiflora</i> Spp.)	87001	Fabric Treatment (Fabrics, Laundry, Etc.)
35000	Ornamental And/Or Shade Trees (All Or Unspec)	87010	Carpets (Hospital, Commercial, Household)
35005	Ornamental Broadleaf Evergreen Trees (All/Unspec)	87011	Upholstery (Hospital, Commercial, Household)
35006	Ornamental Deciduous Trees (All Or Unspec)	87012	Laundry(Mattresses,Pillows,Draperies
35007	Ornamental Conifers (All Or Unspec)	87501	Fabric Treatment (Fabrics, Laundry, Etc.)
35008	Ornamental Flowering Trees (Fruit, Nut, Etc.)	89000	Refuse And Solid Waste Sites (All Or Unspec)
35021	<i>Arborvitae</i> (<i>Thuja</i> , Western Redcedar)	89003	Garbage Dumps (All Or Unspec)
35028	Birch (<i>Betula</i> Spp.)	89006	Garbage Disposal Units, Food Disposals

Table D-9. PERMETHRIN—Urban Sites of Use (Continued)

Code	Site Name	Code	Site Name
35037	Cedar	90009	Mothproofing (For Tineid Moths, Dermestid Beetles)
35042	Cypress	90011	Ant Dens/Hills/Mounds (In/Out-Door) (All/Unsp)
35043	Dogwood (Ornamental)	90013	Beehives, Bee Colony (Diseased, Nuisance)
35044	Douglas-Fir (Pseudotsuga Spp.)	90503	Inanimate Objects
35049	Elm; Ulnus Spp.	90550	Zoos
35051	Fir (True Firs) (Abies Spp.)	92501	Pets And Domestic Animals (Combined Site)
35052	Almond, Flowering(Ornamental); Prunus Dulcis	97000	Surfaces (All Or Unspec)
35055	Cherry, Flowering (Ornamental); Prunus Spp.	97005	Wood Surfaces (Seasoned/Unpainted)
35056	Crabapple, Flowering (Ornamental); Malus=Pyrus Spp	100003	Landscape Maintenance
35068	Hemlock (Tsuga Spp.)		

Table D-10. PIPERONYL BUTOXIDE—Urban Sites of Use

Code	Site Name	Code	Site Name
31000	Ornamental Herbaceous Plants (All Or Unspec)	43022	Sugar (Cane, Beet, Sorghum, Maple, Unspec)
31003	Ornamental Herbaceous Flowering Plants (All/Un)	43026	Fruits (Dried Or Dehydrated)
31004	Ornamental Herbaceous Foliage Plants (All/Un)	43028	Rice (Enriched, Milled, Processed, Etc.)
31005	Ornamental Bulb, Corm, Rhizome Plants (All/Unspec)	43043	Horse/Donkey/Mule/Pony Feed (All Or Unspec)
31012	African Violets/Saintpaulia	44000	Proc. Or Manuf. Non-Food Prod. (All Or Unspec)
31013	Ageratum/Flossflower/Pussy-Foot	44006	Textiles, Fabrics, And Fibers (Stored)
31021	Anthurium	46000	Storage Areas & Processing Equipment (All/Unspec)
31026	Aster (Aster Hybrids)	46019	Grain/Cereal/Flour Elevators -Empty
31028	Baby's-Breath	46025	Nonfeed/Nonfood Commodities - Temporary Storage
31032	Balsam Pear (Bitter Melon/Melos)	46026	Storage Areas - Empty (All Or Unspec)
31034	Begonia (Fibrous & Tuberous Rooted)	46027	Storage Areas - Full (All Or Unspec)
31046	Cacti (Family Cactaceae)	46028	Feed/Food Storage Areas - Empty
31049	Calceolaria	46029	Feed/Food Storage Areas - Full
31050	Calendula	46037	Storage Areas (Unspecified)
31052	Lilies, Calla (Calla Spp.)	46038	Feed/Food Storage Areas (Unspecified)
31057	Carnation	46501	Storage Areas (Unspecified)
31058	Celosia	46502	Feed/Food Storage Areas (Unspecified)
31065	Chrysanthemum (Mum)	46503	Non Feed/Food Storage Areas (Unspecified)
31066	Cineraria	54000	Pets (All Or Unspec)
31071	Coleus	54001	Cats (Kittens) (Pet)
31077	Cosmos	54002	Cats (All Or Unspec) (Pet)
31080	Cyclamen	54003	Dogs (All Or Unspec) (Pet)
31083	Daffodil	54004	Dogs (Puppies) (Pet)
31084	Dahlias	54009	Ferrets (Pets)
31089	Diffenbachia (Dumbcane)	54010	Birds (All Or Unspec) (Aviary Birds, Etc.) (Pet)
31092	Dracaena (Godseffiana); Dracaena Spp.	54020	Rodents (All Or Unspec) (Pet)
31104	Fuchsia; Use 34841	54501	Mammals (All Or Unspec) (Pet)
31106	Garden Balsam/Balsam; Impatiens Balsamina	55004	Guineas (All Or Unspec)
31108	Geranium	55501	Eggs (Poultry) (All Or Unspec)

Table D-10. PIPERONYL BUTOXIDE—Urban Sites of Use (Continued)

Code	Site Name	Code	Site Name
31111	Gladiolus	56001	Animals (Unspecified)
31112	Gloxina	56005	Horses (Race, Draft, Show, Riding, Etc.)
31117	Gypsophila (Baby's Breath)	56008	Ponies
31121	Hollyhock (Althea)	56010	Laboratory, Research Animals (All Or Unspec)
31123	Hyacinth	56020	Zoo Animals (All Or Unspec)
31126	Iris	56026	Alfalfa Leafcutting Bee (Pollinator)
31129	Larkspur (Delphinium)	58000	Commercial Egg Handling Equipment
31137	Marigold	58501	Egg Handling Areas/Equipment (Combined Site)
31142	Narcissus	61006	Greenhouses (Empty) (Environs, Benches, Etc.)
31143	Nasturtium	61007	Mushroom Houses (All Or Unspec)
31147	Orchids (All Or Unspecified)	61008	Beehives (All Or Unspec)
31151	Peonies	61009	Barns, Barnyards, Auction Barns (All Or Unspec)
31154	Petunias	61015	Greenhouses (In Use)
31155	Philodendron & Split Leaf Philodendron	63000	Household Or Domestic Dwellings (All Or Unspec)
31156	Phlox	63001	Household Or Domestic Dwellings (Indoor)
31159	Pointsetta	63002	Cracks & Crevices
31163	Loosestrife, Purple	63003	Household Or Domestic Dwellings (Outdoor)
31167	Portulaca/Rose Moss	63004	Greenhouses – Domestic Non-Commercial
31168	Rubber Plant/Indian Rubber Tree	63005	House Or Domestic Dwelling Indoor Non-Food Area
31170	Sage, Ornamental/Scarlet; Salvia Spp.	63010	Baseboards
31172	Sansevieria/Snake Plant (Sansevieria Spp.)	63011	Window Frames (Indoor)
31184	Snapdragon	63014	Door Frames
31188	Stocks; Matthiola Spp.	63017	Domestic Garden Crops (Non-Commercial)
31195	Kochia, Summer Cypress, Burinibush	63504	Greenhouses – Domestic Non-Commercial
31205	Tulips	63506	Baseboards
31206	Verbena	63507	Window Frames (Indoor)
31213	Zinnia	63510	Door Frames
31223	Bamboo (Species Of: Bambusa; Sasa; Phyllostachys)	64000	Wood Or Wood Structure Protection Treatments
31228	Lily, Canna (Canna) (Canna Hybrids)	64500	Wood Protection Treatments (All Or Unspecified)

Table D-10. PIPERONYL BUTOXIDE—Urban Sites of Use (Continued)

Code	Site Name	Code	Site Name
31233	Crassula (Crassula Spp.)	64502	Wood Structures: Above Ground & Finished Struct
31278	Wandering Jew	65000	Aquatic Areas, Water Areas (All Or Unspec)
31288	Freesia; Freesia Spp.	65011	Swimming Pool Water Systems (Pools, Spas, Etc.)
31297	Succulents (All Or Unspecified)	65013	Drainage Systems (All Or Unspec)
31306	Velvetplant, Java Velvetleaf	65015	Human Drinking Water Systems (Potable)
31429	Cabbage, Flowering/Ornamental; Acephala Group	65023	Ornamental Ponds, Ornamental Fountains, Etc.
31708	Cucumber, Wild; Eclipta Alba	65026	Sewage Systems (Septic Tanks, Sewers, Etc.)
32000	Ornamental Plants (Herb. & Woody) (All Or Unspec)	65031	Lakes, Ponds, Reservoirs, Etc. (Animal Use)
32002	Ornamental Vines (Herb. & Woody) (All Or Unspec.)	65032	Streams, Rivers, Waterways, Canals, Etc.
32003	Ornamental Broadleaf Evergreens (All Or Unspec)	65033	Swamps, Marshes, Bogs & Standing Water (Permanent)
32004	Ornamental Plants (Deciduous) (All Or Unspec)	65034	Industrial, Commercial Ponds (Log Ponds, Etc.)
32005	Ornamental Evergreens (All Or Unspec)	65037	Polluted/Stagnant Water
32010	House Plants	65038	Intermittently Flooded Areas, Catch Basins, Etc.
32501	Gardens (Ornamental, Flower, Rock, Shrub, Etc.)	65039	Salt Water Sites, Tidal Areas, Etc.
33007	Turf, Golf Course (Fairways, Greens, Rough)	67000	Uncultivated Non-Ag Areas (All Or Unspec)
33008	Ornamental Turf (All Or Unspec)	67002	Recreational Areas, Tennis Courts, Parks, Etc.
33009	Ornamental Ground Covers (All Or Unspec)	67003	Buildings And Structures (Non-Ag Outdoor)
33010	Ornamental Lawns, Lawns (All Or Unspec)	67006	Utility Rights-Of-Way, Yards, Substations, Etc.
33011	Ornamental Grasses	67008	Sewage Disposal Areas (Municipal And Other)
33030	Ivy, English (Baltic, Wilson Ivy) (Ground Cover)	67009	Industrial Sites (Lumber Yards, Tank Farms, Etc.)
33063	Honeysuckle (Ground Cover)	67011	Paved Areas, Pre-Paving Applications
33068	Bromegrass	67012	Private Roads, Walkways, Lanes, Patios, Etc.
33112	Ivy (All Or Unspec) (Ground Cover)	67013	Rights-Of-Way (Unspec) (Firelanes, Etc.)
33127	Juniper (Ground Cover)	67015	Fencerows, Hedgerows, Stone Walls (Non-Ag)
33128	Gazania (Ground Cover)	67501	Wasteland(S) (Distinct From Pasture/Rangeland)
33133	Lantana (Ground Cover)	67502	Apply Directly To Pest: No Site Specified
34000	Ornamental Shrubs (All Or Unspec) (Woody/Herb.)	68000	Wide Area And General In-/Outdoor (All Or Unspec)
34006	Ornamental Broadleaf Evergreen Shrubs	68001	Rural Areas (All Or Unspec)
34007	Ornamental Deciduous Shrubs	68002	Urban Areas (All Or Unspec) (Residential, Etc.)

Table D-10. PIPERONYL BUTOXIDE—Urban Sites of Use (Continued)

Code	Site Name	Code	Site Name
34022	Azalea (Rhododendron Species)	68003	Public Buildings And Structures (Vert. Pests)
34025	Barberry (Berberis Spp.)	68501	Animal Burrow Entrances,Dens, Trails, Etc.
34031	Boxwood (Box Tree) (Buxus Spp.)	68502	Mosquito Abatement Districts
34036	Camellia	69003	Boats/Ships (Wood, Plywood)
34040	Laurel, Cherry/English; Prunus Laurocerasus	69017	Boat/Ship Hulls/Bottoms (All Or Unspec)
34044	Coral Berry; Ardisia Crispa	70000	Commercial Transport Facilities (All Or Unspec)
34045	Cotonesater	70004	Ships, Boat Premises, Etc. (All Or Unspec)
34053	Euonymous	70005	Railway Cars (Nonfeed/Food) (Trains, Etc.)
34055	Feijoa (Pineapple Guava) (Feijoa Spp.)	70006	Trucks (Nonfeed/Food), Trucks (Empty), Etc.
34057	Ficus (Ornamental Fig) (Ficus Spp.)	70007	Automobiles, Taxis, Limos, Rv's, & Components
34058	Pyracantha (Firethorn)	70009	Railroad Cars (Feed/Food-Empty)
34061	Quince, Flowering (Chaemomeles Spp.) Orn	70017	Trucks (Feed/Food-Empty) (Truck Beds, Vans, Etc.)
34062	Forsythia (Goldenn Bell) (Forsythia Spp.)	70018	Trucks (Feed/Food-Full) (Truck Beds, Vans, Etc.)
34063	Gardenia	70019	Shipholds (Feed/Food-Empty)
34069	Hibiscus (Rose Mallow) (Hibiscus Spp)	70026	Railway Trains (All Or Unspec)
34070	Holly (Yaupon) (Inkberry) (Ilex Spp.)	70027	Aircraft (All Or Unspec)
34078	Andromeda, Japanese; Pieris Japonica	70028	Buses (All Or Unspec)
34083	Lantana (Shrub Verbena) (Lantana Spp.)	70031	Commercial Transport Facil (Feed/Food-Empty)
34089	Lilac	70032	Commercial Transport Facil (Feed/Food-Full)
34094	Orange, Mock (Philadelphus Spp.)	70034	Shipholds (Nonfeed/Nonfood)
34097	Laurel, Mountain (Kalia Latifolia)	70501	Commercial Transport Facil (Feed/Food-Unspec)
34099	Myrtle (Family Myrtaceae)	70502	Commercial Transport Facil (Non Feed/Food-Empty)
34106	Pachysandra (Pachysandra Spp.)	70504	Commercial Transport Facil (Non Feed/Food-Unspec)
34107	Laurel, Cuban; Ficus Spp.	71000	Food Processing/Handling Plant/Area (All/Unspec)
34116	Pothos; Pothos Spp.	71001	Bakeries, Bakery Equipment, Etc.
34118	Rhododendron (Species/Hybrids/Cultivars) (Azalea)	71002	Bottling Plants (Includes Beverage Bottles)
34120	Rose	71003	Breweries, Distilleries, Beer Beverage Cases, Etc.
34130	Spirea (Spiraea Spp.)	71004	Canneries And Frozen Food Plants
34135	Peony, Tree (Paeonia Suffructicosa)	71005	Creameries, Dairies, Cheese Plants, Etc.

Table D-10. PIPERONYL BUTOXIDE—Urban Sites of Use (Continued)

Code	Site Name	Code	Site Name
34136	Trumpetcreeper/Trumpetvine; Campsis Radicans	71006	Feed Mills, Feed Stores, Feed Processing Plants
34137	Viburnum (Snowball)	71007	Fresh Fruit & Veg. Packing, Process. Plants, Etc.
34158	Ceanothus	71008	Meat Processing Plants (Slaughter Houses, Etc.)
34198	Grapevines (Ornamental) (Vitis Spp.)	71009	Poultry Meat Processing Plants, Etc.
34227	Wintergreen (Gaultheria Spp.)	71010	Wineries, Wine Cellars
35000	Ornamental And/Or Shade Trees (All Or Unspec)	71011	Flour Mills, Flour/Grain Elevators, Etc.
35005	Ornamental Broadleaf Evergreen Trees (All/Unspec)	71012	Egg Processing Plants, Egg Breaking Plants
35006	Ornamental Deciduous Trees (All Or Unspec)	71017	Tobacco Processing Plants, Tobacco Factories
35007	Ornamental Conifers (All Or Unspec)	71019	Beverage Processing Plants, Etc. (All Or Unspec)
35008	Ornamental Flowering Trees (Fruit, Nut, Etc.)	71020	Nut Processing Plants, Peanut Mills, Etc.
35021	Arborvitae (Thuja, Western Redcedar)	71021	Cereal Processing Plants (Mills)
35022	Ash; Fraxinus Spp.	71024	Spice Mills, Pepper Processing Plants
35027	Beech; Fagus Spp.	71028	Dried Fruit Processing Plants
35028	Birch (Betula Spp.)	71029	Pickle Processing Plants
35037	Cedar	71033	Food Processing/Handling Plant/Area (Food Area)
35038	Chamaecyparis/False Cypress; Chamaecyparis Spp.	71501	Food Processing/Handling Plant/Area (Food Area)
35043	Dogwood (Ornamental)	71502	Food Processing/Handling Plant/Area (Nonfood Area)
35044	Douglas-Fir (Pseudotsuga Spp.)	72000	Eating Establishments (All Or Unspec)
35049	Elm; Ulmus Spp.	72004	Eating Establishments (Non-Food Areas)
35050	Eucalyptus; Eucalyptus Spp.	72501	Eating Establishments (Food Handling/Serving Area)
35051	Fir (True Firs) (Abies Spp.)	73000	Food Marketing, Storage & Distribution Facilities
35056	Crabapple, Flowering (Ornamental); Malus=Pyrus Spp	73002	Food Stores, Food Markets, Supermarkets, Etc.
35058	Peach/Nectarine, Flowering (Ornamental); Prunus Pe	73003	Meat Markets (Fish Markets, Butcher Shops, Etc.)
35067	Hackberry (Celtis Spp.)	74000	Hospitals & Related Institutions (All Or Unspec)
35068	Hemlock (Tsuga Spp.)	74008	Hospital Critical Premises
35069	Hickory (Carya Spp.)	74016	Nursing Homes
35070	Honeylocust (Gleditsia Spp.)	74501	Hospital Critical & Semi-Critical Items (Combined)
35071	Horsechestnut, Common/European; Aesculus Hippocast	74502	Veterinary Hospitals (Veterinary) (All Or Unspec)
35073	Juniper; Juniperus Spp.	76000	Morgues, Mortuaries, Funeral Homes (All Or Unspec)

Table D-10. PIPERONYL BUTOXIDE—Urban Sites of Use (Continued)

Code	Site Name	Code	Site Name
35074	Larch (Larix Spp.)	77000	Commercial, Institutional Or Industrial Areas
35075	Linden (Tilia Spp.)	77001	Schools
35077	Locust	77002	Commercial, Institutional Or Industrial Equipment
35082	Magnolia	77004	Commercial Storages Or Warehouses (All Or Unspec)
35083	Maple; Acer Spp.	77005	Commercial/Institut./Indust. Bldgs. (Nonfood-Fum.)
35093	Oak (Quercus Spp.)	77501	Schools (Indoor) (School Yards Use 67002)
35095	Citrus (Ornamental); Citrus Spp.	77502	Non-Feed/Non-Food Processing Plants
35096	Guava (Ornamental); Psidium Spp.	86000	Human Sites (All Or Unspec)
35097	Palm; Family Palmae	86001	Human Bedding
35098	Pine; Pinus Spp.	86002	Human Body (All Or Unspec)
35099	Podocarpus; Podocarpus Spp.	86003	Human Clothing(Incl. Wigs/Footwear/Etc)
35101	Poplar (Populus Spp.)	86501	Human Facegear And Footwear (Combined Site)
35116	Spruce	87007	Diapers (Household, Presoak, Hospital, Commercial)
35119	Sycamore (Planetree) (Buttonwood) (Plantus Spp.)	87010	Carpets (Hospital, Commercial, Household)
35120	Tuliptree	87012	Laundry(Mattresses,Pillows,Draperies
35128	Willow (Salix Spp.)	87501	Fabric Treatment (Fabrics, Laundry, Etc.)
35130	Yew (Taxus Species)	88003	Bathroom Premises (Lavatories, Restrooms, Etc.)
35136	Mimosa	89000	Refuse And Solid Waste Sites (All Or Unspec)
35192	London Plane; Quercus Virginiana	89006	Garbage Disposal Units, Food Disposals
39001	Ornamental Ferns (All Or Unspec)	90004	Museum Collections (Preserved Specimens)
39003	Ornamental Nurseries (Stock, Crops, Etc.)	90009	Mothproofing (For Tineid Moths, Dermestid Beetles)
39005	Ornamental Plants - Greenhouse (All Or Unspec)	90011	Ant Dens/Hills/Mounds (In/Out-Door) (All/Unsp)
40000	Soil Application (Ag-Crop, Orn-Plant Situations)	90013	Beehives, Bee Colony (Diseased, Nuisance)
40001	Manure	90503	Inaminate Objects
40003	Compost, Compost Piles (Rotted)	90550	Zoos
40006	Mulch (Including Mulching Straw, Hay, Paper)	92002	Commercial-Industrial Uses (Combined Site)
40502	Soil Beneath Host Plants	92501	Pets And Domestic Animals (Combined Site)
43000	Processed Food And Feed Products (All Or Unspec)	92502	Commercial - Industrial Uses (Combined Site)
43012	Birdseed (All Or Unspec)	97000	Surfaces (All Or Unspec)

Table D-11. PYRETHRINS—Urban Sites of Use

Code	Site Name	Code	Site Name
31000	Ornamental Herbaceous Plants (All Or Unspec)	40001	Manure
31003	Ornamental Herbaceous Flowering Plants (All/Un)	40003	Compost, Compost Piles (Rotted)
31004	Ornamental Herbaceous Foliage Plants (All/Un)	40006	Mulch (Including Mulching Straw, Hay, Paper)
31005	Ornamental Bulb, Corm, Rhizome Plants (All/Unspec)	40502	Soil Beneath Host Plants
31012	African Violets/Saintpaulia	43000	Processed Food And Feed Products (All Or Unspec)
31013	Ageratum/Flossflower/Pussy-Foot	43012	Birdseed (All Or Unspec)
31021	Anthurium	43022	Sugar (Cane, Beet, Sorghum, Maple, Unspec)
31026	Aster (Aster Hybrids)	43026	Fruits (Dried Or Dehydrated)
31028	Baby's-Breath	43028	Rice (Enriched, Milled, Processed, Etc.)
31031	Balsam Apple	43043	Horse/Donkey/Mule/Pony Feed (All Or Unspec)
31032	Balsam Pear (Bitter Melon/Melos)	44006	Textiles, Fabrics, And Fibers (Stored)
31034	Begonia (Fibrous & Tuberous Rooted)	46000	Storage Areas & Processing Equipment (All/Unspec)
31046	Cacti (Family Cactaceae)	46019	Grain/Cereal/Flour Elevators -Empty
31049	Calceolaria	46025	Nonfeed/Nonfood Commodities - Temporary Storage
31050	Calendula	46026	Storage Areas - Empty (All Or Unspec)
31052	Lilies, Calla (Calla Spp.)	46027	Storage Areas - Full (All Or Unspec)
31055	Candytuft (Annual & Perennial)	46028	Feed/Food Storage Areas - Empty
31057	Carnation	46029	Feed/Food Storage Areas - Full
31058	Celosia	46037	Storage Areas (Unspecified)
31065	Chrysanthemum (Mum)	46038	Feed/Food Storage Areas (Unspecified)
31066	Cineraria	46501	Storage Areas (Unspecified)
31071	Coleus	46502	Feed/Food Storage Areas (Unspecified)
31077	Cosmos	46503	Non Feed/Food Storage Areas (Unspecified)
31080	Cyclamen	54000	Pets (All Or Unspec)
31083	Daffodil	54001	Cats (Kittens) (Pet)

Table D-11. PYRETHRINS—Urban Sites of Use (Continued)

Code	Site Name	Code	Site Name
31084	Dahlias	54002	Cats (All Or Unspec) (Pet)
31089	Diffenbachia (Dumbcane)	54003	Dogs (All Or Unspec) (Pet)
31092	Dracaena (Godseffiana); Dracaena Spp.	54004	Dogs (Puppies) (Pet)
31104	Fuchsia; Use 34841	54007	Dogs (Adult) (Pet)
31106	Garden Balsam/Balsam; Impatiens Balsamina	54008	Cats (Adult) (Pet)
31108	Geranium	54009	Ferrets (Pets)
31111	Gladiolus	54010	Birds (All Or Unspec) (Aviary Birds, Etc.) (Pet)
31112	Gloxina	54020	Rodents (All Or Unspec) (Pet)
31117	Gypsophila (Baby's Breath)	54501	Mammals (All Or Unspec) (Pet)
31121	Hollyhock (Althea)	55004	Guineas (All Or Unspec)
31123	Hyacinth	55501	Eggs (Poultry) (All Or Unspec)
31126	Iris	56001	Animals (Unspecified)
31129	Larkspur (Delphinium)	56005	Horses (Race, Draft, Show, Riding, Etc.)
31132	Lily-Of-The-Valley; Convallaria Majalis	56008	Ponies
31137	Marigold	56010	Laboratory, Research Animals (All Or Unspec)
31142	Narcissus	56020	Zoo Animals (All Or Unspec)
31143	Nasturtium	56026	Alfalfa Leafcutting Bee (Pollinator)
31147	Orchids (All Or Unspecified)	58000	Commercial Egg Handling Equipment
31149	Pansies	58501	Egg Handling Areas/Equipment (Combined Site)
31151	Peonies	61006	Greenhouses (Empty) (Environs, Benches, Etc.)
31154	Petunias	61007	Mushroom Houses (All Or Unspec)
31155	Philodendron & Split Leaf Philodendron	61008	Beehives (All Or Unspec)
31156	Phlox	61015	Greenhouses (In Use)
31159	Pointsetta	63000	Household Or Domestic Dwellings (All Or Unspec)
31163	Loosestrife, Purple	63001	Household Or Domestic Dwellings (Indoor)

Table D-11. PYRETHRINS—Urban Sites of Use (Continued)

Code	Site Name	Code	Site Name
31167	Portulaca/Rose Moss	63002	Cracks & Crevices
31168	Rubber Plant/Indian Rubber Tree	63003	Household Or Domestic Dwellings (Outdoor)
31170	Sage,Ornamental/Scarlet; Salvia Spp.	63004	Greenhouses - Domestic Non-Commercial
31172	Sansevieria/Snake Plant (Sansevieria Spp.)	63005	House Or Domestic Dwelling Indoor Non-Food Area
31184	Snapdragon	63010	Baseboards
31188	Stocks; Matthiola Spp.	63011	Window Frames (Indoor)
31195	Kochia, Summer Cypress, Burinibush	63013	Window Sills
31197	Sweat Pea	63014	Door Frames
31205	Tulips	63017	Domestic Garden Crops (Non-Commercial)
31206	Verbena	63504	Greenhouses - Domestic Non-Commercial
31213	Zinnia	63506	Baseboards
31223	Bamboo (Species Of: Bambusa;Sasa;Phyllostachys)	63509	Window Sills
31228	Lily, Canna (Canna) (Canna Hybrids)	63510	Door Frames
31233	Crassula (Crassula Spp.)	64000	Wood Or Wood Structure Protection Treatments
31278	Wandering Jew	64500	Wood Protection Treatments (All Or Unspecified)
31288	Freesia; Freesia Spp.	64502	Wood Structures: Above Ground & Finished Struct
31297	Succulents (All Or Unspecified)	65000	Aquatic Areas, Water Areas (All Or Unspec)
31306	Velvetplant, Java Velvetleaf	65011	Swimming Pool Water Systems (Pools, Spas, Etc.)
31429	Cabbage, Flowering/Ornamental; Acephala Group	65013	Drainage Systems (All Or Unspec)
31708	Cucumber, Wild; Eclipta Alba	65015	Human Drinking Water Systems (Potable)
32000	Ornamental Plants (Herb. & Woody) (All Or Unspec)	65023	Ornamental Ponds, Ornamental Fountains, Etc.
32002	Ornamental Vines (Herb. & Woody) (All Or Unspec.)	65026	Sewage Systems (Septic Tanks, Sewers, Etc.)
32003	Ornamental Broadleaf Evergreens (All Or Unspec)	65031	Lakes, Ponds, Reservoirs, Etc. (Animal Use)
32004	Ornamental Plants (Deciduous) (All Or Unspec)	65032	Streams, Rivers, Waterways, Canals, Etc.
32005	Ornamental Evergreens (All Or Unspec)	65033	Swamps, Marshes, Bogs & Standing Water (Permanent)

Table D-11. PYRETHRINS—Urban Sites of Use (Continued)

Code	Site Name	Code	Site Name
32010	House Plants	65034	Industrial, Commercial Ponds (Log Ponds, Etc.)
32501	Gardens (Ornamental, Flower, Rock, Shrub, Etc.)	65037	Polluted/Stagnant Water
33007	Turf, Golf Course (Fairways, Greens, Rough)	65038	Intermittently Flooded Areas, Catch Basins, Etc.
33008	Ornamental Turf (All Or Unspec)	65039	Salt Water Sites, Tidal Areas, Etc.
33009	Ornamental Ground Covers (All Or Unspec)	66000	Uncultivated Agricultural Areas (All Or Unspec)
33010	Ornamental Lawns, Lawns (All Or Unspec)	67000	Uncultivated Non-Ag Areas (All Or Unspec)
33011	Ornamental Grasses	67002	Recreational Areas, Tennis Courts, Parks, Etc.
33012	Ornamental Clovers	67003	Buildings And Structures (Non-Ag Outdoor)
33030	Ivy, English (Baltic, Wilson Ivy) (Ground Cover)	67006	Utility Rights-Of-Way, Yards, Substations, Etc.
33060	Ceanothus (Ground Cover)	67008	Sewage Disposal Areas (Municipal And Other)
33063	Honeysuckle (Ground Cover)	67009	Industrial Sites (Lumber Yards, Tank Farms, Etc.)
33068	Bromegrass	67011	Paved Areas, Pre-Paving Applications
33112	Ivy (All Or Unspec) (Ground Cover)	67012	Private Roads, Walkways, Lanes, Patios, Etc.
33127	Juniper (Ground Cover)	67013	Rights-Of-Way (Unspec) (Firelanes, Etc.)
33128	Gazania (Ground Cover)	67015	Fencerows, Hedgerows, Stone Walls (Non-Ag)
33133	Lantana (Ground Cover)	67501	Wasteland(S) (Distinct From Pasture/Rangeland)
34000	Ornamental Shrubs (All Or Unspec) (Woody/Herb.)	67502	Apply Directly To Pest: No Site Specified
34006	Ornamental Broadleaf Evergreen Shrubs	68000	Wide Area And General In-/Outdoor (All Or Unspec)
34007	Ornamental Deciduous Shrubs	68001	Rural Areas (All Or Unspec)
34022	Azalea (Rhododendron Species)	68002	Urban Areas (All Or Unspec) (Residential, Etc.)
34025	Barberry (Berberis Spp.)	68003	Public Buildings And Structures (Vert. Pests)
34031	Boxwood (Box Tree) (Buxus Spp.)	68502	Mosquito Abatement Districts
34035	Privet, California; Ligustrum Ovalifolium	69017	Boat/Ship Hulls/Bottoms (All Or Unspec)
34036	Camellia	70000	Commercial Transport Facilities (All Or Unspec)
34040	Laurel, Cherry/English; Prunus Laurocerasus	70004	Ships, Boat Premises, Etc. (All Or Unspec)

Table D-11. PYRETHRINS—Urban Sites of Use (Continued)

Code	Site Name	Code	Site Name
34044	Coral Berry; Ardisia Crispa	70005	Railway Cars (Nonfeed/Food) (Trains, Etc.)
34045	Cotonesater	70006	Trucks (Nonfeed/Food), Trucks (Empty), Etc.
34053	Euonymous	70007	Automobiles, Taxis, Limos, Rv's, & Components
34055	Feijoa (Pineapple Guava) (Feijoa Spp.)	70009	Railroad Cars (Feed/Food-Empty)
34057	Ficus (Ornamental Fig) (Ficus Spp.)	70017	Trucks (Feed/Food-Empty) (Truck Beds, Vans, Etc.)
34058	Pyracantha (Firethorn)	70018	Trucks (Feed/Food-Full) (Truck Beds, Vans, Etc.)
34061	Quince, Flowering (Chaemomeles Spp.) Orn	70019	Shipholds (Feed/Food-Empty)
34062	Forsythia (Goldenn Bell) (Forsythia Spp.)	70026	Railway Trains (All Or Unspec)
34063	Gardenia	70027	Aircraft (All Or Unspec)
34066	Hawthorn (Thorn) (Crataegus Spp.)	70028	Buses (All Or Unspec)
34069	Hibiscus (Rose Mallow) (Hibiscus Spp)	70031	Commercial Transport Facil (Feed/Food-Empty)
34070	Holly (Yaupon) (Inkberry) (Ilex Spp.)	70032	Commercial Transport Facil (Feed/Food-Full)
34078	Andromeda, Japanese; Pieris Japonica	70034	Shipholds (Nonfeed/Nonfood)
34083	Lantana (Shrub Verbena) (Lantana Spp.)	70501	Commercial Transport Facil (Feed/Food-Unspec)
34089	Lilac	70502	Commercial Transport Facil (Non Feed/Food-Empty)
34094	Orange, Mock (Philadelphus Spp.)	70504	Commercial Transport Facil (Non Feed/Food-Unspec)
34097	Laurel, Mountain (Kalia Latifolia)	71000	Food Processing/Handling Plant/Area (All/Unspec)
34099	Myrtle (Family Myrtaceae)	71001	Bakeries, Bakery Equipment, Etc.
34106	Pachysandra (Pachysandra Spp.)	71002	Bottling Plants (Includes Beverage Bottles)
34107	Laurel, Cuban; Ficus Spp.	71003	Breweries, Distilleries, Beer Beverage Cases, Etc.
34116	Pothos; Pothos Spp.	71004	Canneries And Frozen Food Plants
34118	Rhododendron (Species/Hybrids/Cultivars) (Azalea)	71005	Creameries, Dairies, Cheese Plants, Etc.
34120	Rose	71006	Feed Mills, Feed Stores, Feed Processing Plants
34130	Spirea (Spiraea Spp.)	71007	Fresh Fruit & Veg. Packing, Process. Plants, Etc.
34135	Peony, Tree (Paeonia Suffructicosa)	71008	Meat Processing Plants (Slaughter Houses, Etc.)

Table D-11. PYRETHRINS—Urban Sites of Use (Continued)

Code	Site Name	Code	Site Name
34136	Trumpet creeper/Trumpetvine; Campsis Radicans	71009	Poultry Meat Processing Plants, Etc.
34137	Viburnum (Snowball)	71010	Wineries, Wine Cellars
34158	Ceanothus	71011	Flour Mills, Flour/Grain Elevators, Etc.
34198	Grapevines (Ornamental) (Vitis Spp.)	71012	Egg Processing Plants, Egg Breaking Plants
34227	Wintergreen (Gaultheria Spp.)	71017	Tobacco Processing Plants, Tobacco Factories
35000	Ornamental And/Or Shade Trees (All Or Unspec)	71019	Beverage Processing Plants, Etc. (All Or Unspec)
35005	Ornamental Broadleaf Evergreen Trees (All/Unspec)	71020	Nut Processing Plants, Peanut Mills, Etc.
35006	Ornamental Deciduous Trees (All Or Unspec)	71021	Cereal Processing Plants (Mills)
35007	Ornamental Conifers (All Or Unspec)	71024	Spice Mills, Pepper Processing Plants
35008	Ornamental Flowering Trees (Fruit, Nut, Etc.)	71028	Dried Fruit Processing Plants
35021	Arborvitae (Thuja, Western Redcedar)	71029	Pickle Processing Plants
35022	Ash; Fraxinus Spp.	71033	Food Processing/Handling Plant/Area (Food Area)
35027	Beech; Fagus Spp.	71501	Food Processing/Handling Plant/Area (Food Area)
35028	Birch (Betula Spp.)	71502	Food Processing/Handling Plant/Area (Nonfood Area)
35037	Cedar	72000	Eating Establishments (All Or Unspec)
35038	Chamaecyparis/False Cypress; Chamaecyparis Spp.	72004	Eating Establishments (Non-Food Areas)
35042	Cypress	72501	Eating Establishments (Food Handling/Serving Area)
35043	Dogwood (Ornamental)	73000	Food Marketing, Storage & Distribution Facilities
35044	Douglas-Fir (Pseudotsuga Spp.)	73002	Food Stores, Food Markets, Supermarkets, Etc.
35049	Elm; Ulmus Spp.	73003	Meat Markets (Fish Markets, Butcher Shops, Etc.)
35050	Eucalyptus; Eucalyptus Spp.	74000	Hospitals & Related Institutions (All Or Unspec)
35051	Fir (True Firs) (Abies Spp.)	74008	Hospital Critical Premises
35055	Cherry, Flowering (Ornamental); Prunus Spp.	74016	Nursing Homes
35056	Crabapple, Flowering (Ornamental); Malus=Pyrus Spp	74501	Hospital Critical & Semi-Critical Items (Combined)
35058	Peach/Nectarine, Flowering (Ornamental); Prunus Pe	74502	Veterinary Hospitals (Veterinary) (All Or Unspec)

Table D-11. PYRETHRINS—Urban Sites of Use (Continued)

Code	Site Name	Code	Site Name
35062	Ginkgo/Maidenhair Tree; Ginkgo Biloba	76000	Morgues, Mortuaries, Funeral Homes (All Or Unspec)
35067	Hackberry (Celtis Spp.)	77000	Commercial, Institutional Or Industrial Areas
35068	Hemlock (Tsuga Spp.)	77001	Schools
35069	Hickory (Carya Spp.)	77002	Commercial, Institutional Or Industrial Equipment
35070	Honeylocust (Gleditsia Spp.)	77004	Commercial Storages Or Warehouses (All Or Unspec)
35071	Horsechestnut, Common/European; Aesculus Hippocast	77005	Commercial/Institut./Indust. Bldgs. (Nonfood-Fum.)
35073	Juniper; Juniperus Spp.	77501	Schools (Indoor) (School Yards Use 67002)
35074	Larch (Larix Spp.)	77502	Non-Feed/Non-Food Processing Plants
35075	Linden (Tilia Spp.)	86000	Human Sites (All Or Unspec)
35077	Locust	86001	Human Bedding
35081	Plum, Japanese/Loquat; Eriobotrya Japonica	86002	Human Body (All Or Unspec)
35082	Magnolia	86003	Human Clothing(Incl. Wigs/Footwear/Etc)
35083	Maple; Acer Spp.	86501	Human Facegear And Footwear (Combined Site)
35093	Oak (Quercus Spp.)	87007	Diapers (Household, Presoak, Hospital, Commercial)
35095	Citrus (Ornamental); Citrus Spp.	87010	Carpets (Hospital, Commercial, Household)
35096	Guava (Ornamental); Psidium Spp.	87011	Upholstery (Hospital, Commercial, Household)
35097	Palm; Family Palmae	87012	Laundry(Mattresses,Pillows,Draperies
35098	Pine; Pinus Spp.	87501	Fabric Treatment (Fabrics, Laundry, Etc.)
35099	Podocarpus; Podocarpus Spp.	88003	Bathroom Premises (Lavatories, Restrooms, Etc.)
35101	Poplar (Populus Spp.)	89000	Refuse And Solid Waste Sites (All Or Unspec)
35116	Spruce	89006	Garbage Disposal Units, Food Disposals
35119	Sycamore (Planetree) (Buttonwood) (Plantus Spp.)	90004	Museum Collections (Preserved Specimens)
35120	Tuliptree	90009	Mothproofing (For Tineid Moths, Dermestid Beetles)
35128	Willow (Salix Spp.)	90011	Ant Dens/Hills/Mounds (In/Out-Door) (All/Unsp)
35130	Yew (Taxus Species)	90013	Beehives, Bee Colony (Diseased, Nuisance)

Table D-11. PYRETHRINS—Urban Sites of Use (Continued)

Code	Site Name	Code	Site Name
35136	Mimosa	90503	Inaminate Objects
35192	London Plane; Quercus Virginiana	90550	Zoos
35800	Smoke Tree, Common; Cotinus Coggygia	92002	Commercial-Industrial Uses (Combined Site)
39001	Ornamental Ferns (All Or Unspec)	92501	Pets And Domestic Animals (Combined Site)
39003	Ornamental Nurseries (Stock, Crops, Etc.)	92502	Commercial - Industrial Uses (Combined Site)
39005	Ornamental Plants - Greenhouse (All Or Unspec)	97000	Surfaces (All Or Unspec)
40000	Soil Application (Ag-Crop, Orn-Plant Situations)		