



Pesticide Use by New York City Agencies in 2009

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EXECUTIVE SUMMARY

Local Law 54 of 2007 requires the New York City Department of Health and Mental Hygiene (DOHMH) to summarize annual City agencies' pesticide use. In 2009, 26 municipal agencies reported to DOHMH their pesticide use in a format that enabled summarization within, and across agencies. This report summarizes pesticides applied on or behalf of agencies on city owned or leased property. Key findings include:

- Pesticides were applied a total of 130,091 times by New York City in 2009. Agencies used a total of 11,257 gallons and 146,601 pounds of pesticides.
- Insecticides were the most frequently applied type of pesticide, accounting for nearly 59% of all applications.
- Herbicides were the most heavily used liquid type of pesticide, accounting for 67% by volume and insecticides made up 60% by weight of all pesticides used by City agencies.
- New York City agencies are not the only users of pesticides in New York City. New York State summarizes pesticide use by all applicators – public and private. Comparing New York City agencies' use in 2005 (the last year New York State released its data), local government use accounts for just 3% of the total volume of liquid pesticides, and 15% of the total pounds of solid pesticides applied within the five boroughs of New York City.
- In comparison to reporting amounts in 2008, there was a three fold increase in herbicide use by volume primarily due to the control of invasive species in remote wooded parkland
- There was a 39% reduction in insecticides by volume as a result of heavier reliance on more effective and precisely targeted “best practice” insecticide products.
- There was 32% reduction in rodenticide amounts used by agencies.

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I. BACKGROUND

When Local Law 37 was enacted on May 9, 2005, New York City became the largest municipality in the nation to regulate the use of pesticides on city-owned and leased property. Local Law 37 established new requirements regarding pesticide use on property owned or leased by the City, including the prohibition of certain pesticide products, posting of warning notices prior to pesticide use, and the requirement that agencies report their pesticide use on annual basis. With the enactment of Local Law 37 in May 2005, prohibitions from use were phased in for certain pesticides used by agencies or their contractors on City owned and leased properties. By November, 2005, EPA Toxicity Category 1 (signal word “danger”) was prohibited. In May 2006, use of all pesticides classified by the EPA as possible, probable or known human carcinogens ended. And in November 2006, use of all pesticides classified by the State of California’s Office of Environmental Health Hazard Assessment as developmental toxins ceased.

Local Law 37 exempted from prohibition several uses and products that posed little or no risk of human exposure, including rodenticides placed in tamper-proof containers or applied directly into rat burrows or inaccessible areas, containerized insect baits, and certain other types of insecticides such as boric acid, silica, and diatomaceous earth. The New York City Department of Health and Mental Hygiene (DOHMH), under Local Law 37 authorization, further waived from prohibition the use of all insecticide gels containing the ingredients fipronil and hydramethylnon due to their effectiveness and low potential for human exposure. In addition, Local Law 37 empowered DOHMH to consider and grant requests for waivers from prohibition on a case-by-case basis. DOHMH maintains a webpage on Local Law 37 at <http://nyc.gov/health/ll37> that includes a list of all waivers granted to agencies.

In October, 2007 New York City enacted Local Law 54 which requires City agencies to report their pesticide use to DOHMH, and for DOHMH to issue a summary report to the City Council and the Mayor. This is the third annual report and fulfills these requirements. City agencies have made significant improvements since the enactment of Local Law 37 to the quality and delivery of pesticide use data. In 2006, just three agencies provided data in an electronic format that enabled data to be summarized. In 2009, twenty-seven agencies reported electronic data.

II. SOURCES OF PESTICIDE USE DATA

New York City agencies are required to report to DOHMH their pesticide use by February 1 for the preceding calendar year. This report summarizes data received by the Department for pesticides applied during calendar year 2009. All reporting New York City agencies and their contractors provided data to DOHMH in electronic format.

DOHMH launched and hosts an electronic reporting tool, the New York Pesticide Use Reporting System (NYCPURS) that all agencies, contractors and licensed pest control applicators can register to use. In August 2008, DOHMH launched the import function of NYCPURS permitting importation of data maintained by other electronic systems and since then more agencies and their contractors have used this system.

Source data for each pesticide application includes the product name, Environmental Protection Agency (EPA) registration number, the quantity used (expressed as either weight or volume), method of application, and the date and location the product was applied. DOHMH utilizes the EPA's pesticide information system to link these data - by registration number - to determine a product's pesticide type and class, toxicity score, and its class and active ingredients. In addition, we linked these data to the EPA Office of Pesticide Programs' List of Chemicals Evaluated for Carcinogenic Potential and the State of California's List of Chemicals Known to the State to Cause Cancer or Reproductive Toxicity, both downloadable at <http://nyc.gov/health/l137>.

III. METHODS AND LIMITATIONS

Data in a variety of electronic formats were imported into a single database, where it was checked for quality, accuracy and validity. Weight and volumetric units were standardized to pounds and gallons, respectively. Each record of data was assigned an agency identifier corresponding to the source agency. Data were analyzed using SQL, Excel and Access. We analyzed data by pesticide type and class, and report total numbers, pounds and gallons of applications for New York City, and by agency on whose behalf the pesticides were applied.

Where DOHMH was able to evaluate the completeness of these records, it is reported by agency, below. It is still not possible to fully determine whether each agency was able to report each pesticide application. Many agencies depend upon contractors to maintain records of pesticides applied, and may not be certain that the contractors have fully complied with Local Law 37 reporting requirements. There are some obvious gaps in the data:

- A review of the 2009 data demonstrates that there is incomplete reporting of pesticides used for disinfection and biocidal purposes, as was the case in 2008. While these pesticides are exempt from Local Law 37's prohibitions and prior notification requirements, they are not exempt from reporting mandates.
- The formats used were more streamlined for 2009 and we were able to capture more information pertaining to the target organisms of the pesticides applied by agencies.
- Staff and contractor turnover has led to difficulty maintaining dependable and timely reporting from some agencies.
- Reporting errors, especially in reporting the incorrect units, can greatly skew the data. This has been seen most frequently in confusion of gallons and grams. Many reporting errors for 2009 were caught and corrected.

Despite the above mentioned limitations, the data captured this year is more complete and more agencies used NYCPURS. We expect to see further improvements in the data over the

next year as more agencies fully adopt electronic recordkeeping, migrating existing electronic or paper systems to the NYCPURS system developed by DOHMH for electronic recordkeeping. Additional information about NYCPURS is available at <http://nyc.gov/health/1137>.

IV. PESTICIDE USE FINDINGS

A. TYPES OF PESTICIDES USED BY AGENCIES

Four main types of pesticides were applied by agencies: rodenticides (products used to kill rodents); insecticides (to kill insects); herbicides (to kill plants) and fungicides (to kill molds and other fungi).

Insecticides

A total of 2,735 gallons and 87,801 pounds of insecticides were applied by New York City in 2009, accounting for 24.3% by volume, and 59.9% by weight of the total applications. Biological insecticides applied to target mosquito larvae account for 81.7% of insecticides by weight. When those products are excluded insecticides by weight make up 21.4% of solid pesticides applied. Insecticides used by NYC agencies in 2009 were largely comprised of three classes of products; pyrethrins and pyrethroids, organophosphates and carbamates.

Pyrethrins, Pyrethroids, and Synergists

Pyrethrins and pyrethroids are less acutely toxic than the organophosphate and carbamate pesticides they have largely replaced. Accidental poisonings from professional applications are very rare, though personal use of aerosol and fogging product formulations have been associated with acute exposures, poisonings and fires. Some pyrethroids may be respiratory allergens for sensitized people, including asthmatics. Recently, EPA removed pyrethrins from its list of suspect carcinogens, but the synergists with which they are often formulated remain on the list and therefore prohibited from use by Local Law 37. Pyrethrins and pyrethroids break down relatively quickly when used outdoors, but persist longer when applied indoors.

Common pyrethroid active ingredients are cypermethrin, cyfluthrin, esfenvalerate, and deltamethrin. Pyrethrin and pyrethroid products used by agencies in 2009 include Whitmere Optem ME PT 600®, Steri-Fab®, Demand CS Insecticide®, Tempo SC Insecticide®, Suspend SC Insecticide® and Speckoz Evercide Esfenvalerate EC®.

Together, pyrethrins and pyrethroids accounted in 2009 for 86.0% of the total insecticides applied by volume and 0.5% by weight, 2.8% by weight when excluding WNV larvicides.

Organophosphates and Carbamates

Organophosphate and carbamate insecticides both function by inhibiting the neurotransmitter cholinesterase. Until EPA banned their use for most indoor applications in 1999 and 2000, organophosphates were the most heavily used class of insecticides. EPA also allowed the registrations for several carbamates to lapse.

The only organophosphate active ingredient used in 2009 was outdoor applications of chlorpyrifos on certain golf courses. The few carbamate active ingredients used in 2009 include propoxur and methomyl used in containerized baits. Organophosphate and carbamate products applied by agencies in 2009 include Anderson Golf Products Insecticide III® and Golden MalrinRF-128 Fly Killer®.

Reports submitted by agencies showed that, in 2009, the use of organophosphates and carbamates accounted for just 1.0% of the total insecticides applied by agencies by volume, and 1.2% by weight, 6.8% by weight excluding WNV larvicides, remaining a very small percentage of the insecticides used by city agencies.

“Best Management Practices” Insecticides

In recent years, several insecticide products have been introduced to the market whose proper use involves little or no potential risks for human exposure but that have been demonstrated to be highly effective at controlling pests. These products include biological pesticides for mosquito control and gels and baits for cockroach and other insect control.

Common active ingredients for these products include boric acid, silica gel, diatomaceous earth, the bacteria *Bacillus sphaericus* and *Bacillus thuringiensis*, hydramethylnon, fipronil, avermectin, and indoxacarb. Some of the products used by agencies for this reporting year were Maxforce Professional Insect Control Roach Killer Bait Gel®, Redzone Bait®, Vectobac CG Biological Larvicide Granules®, Vectolex CG Biological Larvicide®, Avert Prescription Treatment TC 93B Bait®, and DuPont Advion Cockroach Gel Bait®.

In 2009 7.7% of the total insecticides applied by volume, and 92.1% by weight, were insecticidal dusts, gels and baits, or biological larvicides. Excluding WNV larvicides, the totals equal 57.0% of insecticide products by weight.

Herbicides

The herbicides used by New York City agencies in 2009 were used primarily for vegetation control in parks and for the maintenance of highways and street medians. The active ingredients most commonly used in 2009 were glyphosate, dinitroanilines, chlorophenoxyacetic acids and ureas. Herbicides were a major contributor of pesticide use by agencies.

A total of 7,561 gallons and 19,359 pounds were applied, accounting for 67.2% of total volume and 13.2% of total weight of all pesticides used by agencies in 2009.

Glyphosate

The most heavily used herbicides applied as a liquid by agencies were glyphosates in Roundup® products. Glyphosate is a broad-spectrum, non-selective systemic herbicide that can be used throughout the growing season. The active ingredient glyphosate poses little risk of acute poisonings or chronic health effects and has not been shown to be carcinogenic.

Glyphosate use has increased as agencies have phased out the use of herbicides prohibited under Local Law 37. In 2009 66.4% of applications of herbicide by volume contained glyphosate.

Dinitroaniline

Dinitroaniline-based herbicides, which are often combined with fertilizers, are used early in the growing season as pre-emergents. They are of low acute toxicity to people, but several dinitroanilines are classified by EPA as suspected human carcinogens. Dinitroaniline herbicides break down slowly. Common dinitroaniline active ingredients are pendimethalin, trifluralin, benefin and benfluralin. Common dinitroaniline products used by agencies in 2009 were Pre-M 3.3 EC Turf Herbicide® and Lebanon Team™ 2G Herbicide®.

Chlorophenoxyacetic/Benzoic Acids

The chlorophenoxyacetic acid herbicides are a family of related chemicals that are often combined in products. EPA classifies one member of this class of pesticides - mecoprop-p – as a suspected carcinogen. Common chlorophenoxyacetic acid active ingredients are 2,4-D, MCPP, mecoprop-p, dicamba and MCPA. Common chlorophenoxyacetic acid products used by agencies in 2009 were Trimec Herbicide® and Lesco Three-Way Selective Herbicide®

Ureas

Like dinitroaniline herbicides, urea herbicides are of low acute toxicity, but some may pose certain chronic risks. Classification as a possible human carcinogen varies within the group. Diuron, a urea herbicide among the ten most heavily used herbicides reported by commercial applicators in the private market in the City in 2005, is classified by the EPA as a likely human carcinogen. Sulfonylureas are of low acute toxicity and have been so classified. All urea herbicides are highly persistent. Common Urea active ingredients are Diuron and Siduron. A common urea products used by NYC agencies in 2009 were Dupont Oust Extra Herbicide®.

Rodenticides

Most rodenticides act as anticoagulants and all are acutely toxic if ingested in sufficient dosages. Common rodenticide active ingredients are bromodiolone, diphacinone, brodifacoum, zinc phosphide and warfarin. Some common rodenticide products used by agencies in 2009 were: Contrac All-Weather Blox®, Generation Mini Blocks®, Weatherblok Bait with Bitrex® and Ditrac All-Weather Blox®.

In 2009, a total of 25,856 pounds of rodenticides were applied by City agencies, accounting for 17.6% by weight of all pesticides applied on NYC owned or leased property.

Fungicides

Many of the commonly applied fungicides are classified by EPA as suspected carcinogens. The potential for exposure can exist throughout the growing season because many

of these fungicides are also persistent, with half-lives measured in months and years. Degradation does not necessarily reduce the hazard, because some fungicides also have highly toxic breakdown products. Fungicides were most commonly applied by NYC on golf courses, and these applications are exempt from Local Law 37 prohibitions.

The active ingredients of fungicides commonly used in NYC in 2009 were chlorothalonil, thiophanate-methyl, PCNB, iprodione and mancozeb. Common fungicide products applied in 2009 include Heritage Fungicide®, Aliette WDG Brand Fungicide®, Lescro Manicure Ultra® and Bayleton 50 Turf and Ornamental Fungicide in Water Soluble Packets®.

Fungicides are a relatively minor contributor to overall pesticide use by agencies, accounting for 8.2% of the total pesticide applied by volume and 9.0% by weight.

B. SUMMARY OF CITYWIDE PESTICIDE USE

Pesticide use can be measured and compared in a number of ways. Throughout the remainder of this report, we describe the frequency with which pesticides are applied, as well as the quantity of pesticides applied. Quantities for liquid applications are measured as volume in gallons. Quantities for solid applications are measured as weight in pounds. Pesticides were applied a total of 132,959 times by New York City in 2009. The pesticide applied most frequently by New York City was rodenticide. The majority of rodenticides applied by the City of New York is placed directly into rat burrows and poses little risk of exposure to the public. Insecticides were the most heavily used in terms of weight and volume. In 2009, 89% of the insecticides reported by weight were bacterial products designed to kill mosquito larvae in stagnant waters, away from human contact. If we exclude these products, which were used as part of the West Nile Virus control program then 17% of the total pesticide by weight would be due to insecticides. Table 1, below, summarizes these findings. This table, as all others that follow, is sorted in order of descending number of applications.

Table 1. Total Applications Reported Applied by NYC Agencies in 2009, by Pesticide Type

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
2009						
Rodenticide	7	0.1%	25,856	17.6%	44,269	34.0%
Insecticide	2,735	24.3%	87,801	59.9%	76,854	59.1%
Herbicide	7,561	67.2%	19,359	13.2%	4,924	3.8%
Fungicide	920	8.2%	13,126	9.0%	745	0.6%
Other	36	0.3%	460	0.3%	3,299	2.5%
Totals:	11,257		146,601		130,091	

Table 2, below lists the ten most frequently used products used for each pesticide type on New York City owned or leased property in 2009. For each, we list the total volume, weight and number of applications, as well as the active ingredient(s), the EPA toxicity category, whether the product is considered by EPA a known, possible or suspect carcinogen, and whether the product is listed by the State of California as a reproductive hazard. For this and subsequent product tables, the toxicity category refers to the EPA's assigned label warning to indicate the

degree of acute toxicity from oral, dermal and inhalation exposures on a scale from 1 to 4. Toxicity Category 1 indicates pesticides considered highly toxic and whose label requires the signal word, “Danger”. Toxicity Category 2 products are considered moderately toxic and product labels carry the word “Warning” Toxicity Category 3 products are considered to be slightly toxic while Toxicity 4 products are considered relatively non-toxic. Both toxicity categories 3 and 4 carry the signal word “Caution” A complete list of products used by New York City by pesticide class is included in Appendix 1 to this report.

Table 2. Ten Most Frequently Applied Pesticide Products by NYC Agencies in 2009 by Type

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
Rodenticides								
100-1050	TALON-G RODENTICIDE BAIT PACK MINI-PELLETS WITH BI	87.00	3,463.67	15,004	Brodifacoum	3	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.50	6,285.23	7,404	Bromadiolone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.17	6,300.05	6,545	Bromadiolone	3	NO	NO
7173-218	GENERATION MINI BLOCKS	0.23	1,055.19	2,824	Difethialone	3	NO	NO
100-1055	WEATHERBLOK BAIT WITH BITREX	0.00	609.64	2,047	Brodifacoum	3	NO	NO
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	730.47	1,987	Difethialone	3	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	764.18	1,842	Bromadiolone	3	NO	NO
12455-80	DITRAC ALL-WEATHER BLOX	0.00	1,579.19	1,446	Diphacinone	3	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	1.90	1,588.08	1,166	Bromadiolone	3	NO	NO
7173-202	MAKI MINI BLOCKS	0.02	536.58	954	Bromadiolone	3	NO	NO
Insecticides								
432-763	SUSPEND SC INSECTICIDE	299.92	0.22	18,438	Deltamethrin	3	NO	NO
432-1318	MERIT 75 WSP	0.43	1,370.39	10,182	Imidacloprid	3	NO	NO
352-652	DUPONT ADVION COCKROACH GEL BAIT	2.29	242.12	6,613	Indoxacarb	3	NO	NO
64405-2	REDZONE BAIT	4.02	1,139.36	4,647	Boric acid	3	NO	NO
499-304	WHITMIRE OPTEM ME PT 600	75.32	0.94	4,162	Cyfluthrin	3	NO	NO
73049-20	VECTOLEX CG BIOLOGICAL LARVICIDE	2.35	41,768.12	3,900	Bacillus sphaericus	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
397-13	STERI-FAB	1,244.72	0.50	3,119	Phenothrin; Isopropyl alcohol; Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride; Didecyl dimethyl ammonium chloride	2	NO	NO
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	30.34	1.95	3,054	Esfenvalerate	3	NO	NO
432-1259	MAXFORCE FC SELECT PROF. INSECT CONTROL ROACH KILLER BAIT GEL	0.08	169.21	2,346	Fipronil	3	YES	NO
432-1460	MAXFORCE FC ROACH KILLER BAIT GEL F.05	0.00	81.50	2,245	Fipronil	3	YES	NO
Herbicides								
524-475	ROUNDUP ULTRA HERBICIDE	548.92	189.06	1,282	Glyphosate, isopropylamine salt	3	NO	NO
62719-556	ACCORD XRT II	220.32	0.00	486	Glyphosate, dimethylammonium salt	3	NO	NO
228-397	RIVERDALE VANQUISH HERBICIDE	74.81	0.00	402	Dicamba, diglycolamine salt	3	NO	NO
241-360	LESCO PRE-M 3.3EC TURF HERBICIDE	5.19	1,726.25	365	Pendimethalin	3	YES	NO
241-341	PENDULUM 3.3 EC HERBICIDE	44.10	182.38	317	Pendimethalin	3	YES	NO
62719-542	DIMENSION 2EW	387.78	0.00	290	Dithiopyr	2	NO	NO
352-622	DUPONT OUST EXTRA HERBICIDE	6.83	0.00	253	Sulfometuron methyl; Metsulfuron-methyl	3	NO	NO
62719-176	PATHFINDER II	1,147.56	0.00	246	Triclopyr, butoxyethyl ester	3	NO	NO
62719-517	ACCORD XRT	3,527.85	0.00	227	Glyphosate, isopropylamine salt	3	NO	NO
62719-527	GARLON 4 ULTRA	184.02	0.00	190	Triclopyr	2	NO	NO
Fungicides								
100-1093	HERITAGE FUNGICIDE	0.00	88.47	57	Azoxystrobin	3	NO	NO
100-892	ARBOTECT 20-S FUNGICIDE	2.06	219.50	46	Thiabendazole	3	NO	NO
60063-3	LESCO MANICURE ULTRA	0.00	1,987.00	36	Chlorothalonil	2	YES	NO
432-890	ALIETTE WDG BRAND FUNGICIDE	0.00	1,450.44	35	Fosetyl-AI	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
100-796	SUBDUE MAXX	59.07	30.38	33	Mefenoxam	3	NO	NO
8622-56	BIOBROM C-100G	0.00	16.88	30	2,2-dibromo-3-nitrilopropionamide	1	NO	NO
50534-202	MANICURE ULTREX TURF & ORNAMENTAL	40.00	821.00	29	Chlorothalonil	1	YES	NO
432-1360	BAYLETON 50 TURF AND ORNAMENTAL FUNGICIDE IN WATER	10.78	242.44	27	Triadimefon	3	YES	YES
70299-1	ZEROTOL ALGAECIDE/FUNGICIDE	31.45	0.00	23	Hydrogen peroxide	1	NO	NO
66222-149	ARMOR TECH CLT 825	0.00	660.50	20	Chlorothalonil	2	YES	NO
Other								
2724-421	ZOECON RF-292 BRIQUET	0.00	368.31	1928	S-Methoprene	3	NO	NO
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	10.87	16.11	1192	(7S)-Hydroprene	3	NO	NO
69117-7	PINSCHER PGR	0.15	0.00	76	Dikegulac sodium	3	NO	NO
2724-351	ZOECON GENCOR 9% EMULSIFIABLE CONCENTRATE	0.38	0.00	43	(7S)-Hydroprene	3	NO	NO
71096-7	ORTHO BUG-GETA SNAIL & SLUG KILLER 1	0.00	7.25	11	Metalddehyde	3	NO	NO
60061-71	PETTIT MARINE PAINT PREMIUM SINGLE SEASON ABLATIVE	0.00	13.00	10	Copper oxide (ous)	2	NO	NO
100-1014	PACLOBUTRAZOL 2SC	0.00	8.75	10	Paclobutrazol	3	NO	NO
10551-1	THE GIANT DESTROYER	0.00	34.00	7	Carbon; Sodium nitrate; Sulfur	3	NO	NO
60061-14	WOOLSEY/Z*SPAR SUPER TOX ANTI-FOULING FINISH B-74	0.00	6.25	5	Copper oxide (ous)	2	NO	NO
100-1014	CAMBISTAT 2SC	0.38	0.00	4	Paclobutrazol	3	NO	NO

C. CHANGES IN PESTICIDE USE

The level of completeness of agency pesticide reporting has improved dramatically over the past two years. Having a sufficiently complete record of pesticide applications by the City of New York and its contractors has now made it possible for a year to year comparison of trends in pesticide use by city agencies.

From 2008 to 2009 there was a 39% drop in use of insecticides reported by volume. There were significant reductions in the use of residual spray and aerosol products by many

agencies, due to long term reductions in persistent pest problems through more effective pest control methods. There was a drop of 19% in insecticides reported by weight. The increase was just 6% when larvicides used for the control of mosquitos that are vectors for West Nile Virus are excluded. As a part of that increase was a 7% rise in the use of “best practice” products by weight. Best practice insecticides include gel, solid and dust formulations of products that pose little risk of human exposure and are highly effective.

The amount of herbicide reported by volume increased by over three times in 2009, mainly due to an increased reliance on post-emergent herbicides such as glyphosate products. Local Law 37’s prohibition of active ingredients used in pre-emergent herbicides has contributed to the need for more frequent and voluminous use of post-emergent herbicides. The need for herbicide use by city agencies may also vary due to weather conditions more conducive to weed growth. Heavier amounts of herbicides are predominantly used in remote, often wooded, parkland to control invasive species.

There was also a 32% reduction in rodenticide use mainly due to large reductions from DOHMH and NYCHA. DOHMH reported a 41% reduction in rodenticide use while NYCHA reported a 44% reduction from 2008 levels.

D. SUMMARY OF AGENCIES’ PESTICIDE USE

For each reporting agency, we summarize below total pesticide use by pesticide type, followed by a listing of pesticide products used and their total use by reporting City agencies.

Administration for Children’s Services

The New York City Administration for Children’s Services provides for the protection of New York City’s children from abuse and neglect. Along with their community partners, Children’s Services provides neighborhood-based services to help ensure children grow up in safe, permanent homes with strong families. In 2009 the agency contracted for pest control through the city-wide contract administered by DCAS. Table 3 summarizes pesticide use by pesticide type. Table 4 lists all pesticide products used by ACS in 2009.

Table 3: Types of Pesticides Used by ACS in 2009

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	77.9	96.4%	103	25.9%
Insecticide	1.5	97.5%	2.9	3.6%	289	72.8%
Other	0.0	2.5%	0.0	0.0%	5	1.3%
Totals	1.5		80.8		397	

Table 4: Pesticide Products Used by ACS in 2009 by Pesticide Type

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
Rodenticides								

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
12455-80	DITRAC ALL-WEATHER BLOX	0.00	28.81	34	Diphacinone	3	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	26.30	27	Bromadiolone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	11.50	19	Bromadiolone	3	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	9.69	18	Bromadiolone	3	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.00	1.61	5	Bromadiolone	3	NO	NO
Other								
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.04	0.00	5	(7S)-Hydroprene	3	NO	NO
Insecticides								
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	1.10	0.00	158	Esfenvalerate	3	NO	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.39	0.00	99	Esfenvalerate	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	1.10	25	Avermectin	3	NO	NO
64405-2	REDZONE BAIT	0.00	1.75	5	Boric acid	3	NO	NO
67425-14	ECOPCO ACU	0.00	0.06	2	Phenylethyl propionate	3	NO	NO

Aging

The Department for the Aging (DFTA) contracts with non-profit senior service providers to administer 76 different city-owned and city-leased sites, 33 of which engage in food preparation or storage. These facilities are privately operated and contract individually with private vendors for pest control to address typical structural urban pest issues, such as roaches, rodents, and flies. DFTA has provided a list of these service locations and their pest control providers.

Board of Elections

The Board of Elections is the administrative body that oversees elections through its staff at its main and five borough offices. The agency contracts for pest control through the city-wide contract administered by DCAS. Table 5 summarizes pesticide use by pesticide type. Table 6 lists all pesticide products used by BOE in 2009.

Table 5: Types of Pesticides Used by BOE in 2009

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	94.9	98.8%	48	38.7%
Insecticide	0.6	100.0%	1.1	1.2%	76	61.3%
Totals	0.6		96.0		124	

Table 6: Pesticide Products Used by BOE in 2009 by Pesticide Type

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
Rodenticides								
12455-80	DITRAC ALL-WEATHER BLOX	0.00	77.06	65	Diphacinone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	9.88	13	Bromadiolone	3	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	6.13	9	Bromadiolone	3	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	0.69	4	Bromadiolone	3	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.00	1.10	1	Bromadiolone	3	NO	NO
Insecticides								
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	0.31	0.00	55	Esfenvalerate	3	NO	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.32	0.00	27	Esfenvalerate	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	0.49	10	Avermectin	3	NO	NO
67425-14	ECOPCO ACU	0.00	0.63	1	Phenylethyl propionate	3	NO	NO

Brooklyn Public Libraries

The Brooklyn Public Library (BPL) serves Brooklyn's 2.5 million residents, offering thousands of public programs, millions of books and use of more than 850 free Internet-accessible computers at its 66 locations. Contractors are hired for pest management as needed and the major pest infestations are roaches and mice. Table 7 summarizes pesticide use by pesticide type. Table 8 lists all pesticide products used by BPL in 2009.

Table 7: Types of Pesticides Used by BPL in 2009

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	13.8	27.1%	47	7.3%
Insecticide	0.0	0.0%	37.1	72.9%	595	92.7%
Totals	0.0		50.9		642	

Table 8: Pesticide Products Used by BPL in 2009 by Pesticide Type

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
Rodenticides								
7173-202	MAKI MINI BLOCKS	0.00	5.19	20	Bromadiolone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	7.81	17	Bromadiolone	3	NO	NO
100-1055	WEATHERBLOK BAIT WITH BITREX	0.00	0.00	5	Brodifacoum	3	NO	NO
12455-16	ZP TRACKING POWDER	0.00	0.63	3	Zinc phosphide	2	NO	NO
7173-188	MAKI RAT AND MOUSE BAIT PACKS (PELLETS)	0.00	0.19	2	Bromadiolone	3	NO	NO
Insecticides								
352-652	DUPONT ADVION COCKROACH GEL BAIT	0.00	11.54	355	Indoxacarb	3	NO	NO
279-3384	ROACH KIL COMMERCIAL	0.00	16.44	115	Boric acid	3	NO	NO
432-763	SUSPEND SC INSECTICIDE	0.00	0.00	27	Deltamethrin	3	NO	NO
432-1254	MAXFORCE PROFESSIONAL INSECT CONTROL ROACH KILLER	0.00	0.49	24	Hydramethylnon	3	YES	YES
432-1363	TEMPO SC INSECTICIDE	0.00	0.00	15	Cyfluthrin, beta	3	NO	NO
100-1066	DEMAND CS INSECTICIDE	0.00	0.00	14	Cyhalothrin, lambda	3	NO	NO
352-746	DUPONT ADVION ANT GEL	0.00	0.45	13	Indoxacarb	3	NO	NO
73079-1	INTICE SWEET ANT GEL	0.00	0.04	6	Boric acid	3	NO	NO
655-802	PRENTOX LARVA-LUR CONTAINS PROPOXUR	0.00	4.64	5	Propoxur	3	YES	NO
9444-183	INTRUDER RESIDUAL WITH CYFLUTHRIN	0.00	1.75	5	Cyfluthrin; Pyrethrins; Piperonyl butoxide	3	YES	NO
432-1264	MAXFORCE FC ANT KILLER BAIT GEL	0.00	0.05	5	Fipronil	3	YES	NO
47000-73	SSI-50 INSECTICIDE	0.00	1.19	3	Pyrethrins; Piperonyl butoxide; N-octyl bicycloheptene dicarboximide	3	YES	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
432-1262	MAXFORCE IBH10	0.00	0.28	3	Hydramethylnon	3	YES	YES
1021-1424	PYROCID FOGGING CONCENTRATE 7338	0.00	0.13	1	Pyrethrins; Piperonyl butoxide; N-octyl bicycloheptene dicarboximide	3	YES	NO
432-772	DELTA DUST	0.00	0.09	1	Deltamethrin	3	NO	NO
1677-196	ECO 2000-XP FRESHBAIT	0.00	0.04	1	Boric acid	3	NO	NO
432-1257	MAXFORCE ROACH BAIT F.05	0.00	0.00	1	Fipronil	3	YES	NO
432-1304	TEMPO 10 WP INSECTICIDE	0.25	0.00	1	Cyfluthrin, beta	3	NO	NO

Chief Medical Examiner

The Office of Chief Medical Examiner (OCME) is responsible for investigating deaths in unusual circumstances, where an application for cremation is made, provides additional forensic services to support criminal investigations and manages all functions of the City mortuary. The agency contracts for pest control through the city-wide contract administered by DCAS. Table 9 summarizes pesticide use by pesticide type. Table 10 lists all pesticide products used by OCME in 2009.

Table 9: Types of Pesticides Used by OCME in 2009

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	40.4	99.8%	23	15.4%
Insecticide	0.6	99.3%	0.1	0.2%	125	83.9%
Other	0.0	0.7%	0.0	0.0%	1	0.7%
Totals	0.6		40.4		149.0	

Table 10: Pesticide Products Used by OCME in 2009

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
Rodenticides								
12455-80	DITRAC ALL-WEATHER BLOX	0.00	33.06	10	Diphacinone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	3.75	4	Bromadiolone	3	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.00	1.23	4	Bromadiolone	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	1.69	3	Bromadiolone	3	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	0.63	2	Bromadiolone	3	NO	NO
Insecticides								
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	0.45	0.00	92	Esfenvalerate	3	NO	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.11	0.00	30	Esfenvalerate	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	0.07	3	Avermectin	3	NO	NO
Other								
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.00	0.00	1	(7S)- Hydroprene	3	NO	NO

City University of New York

The City University of New York is the nation's largest urban public university and is comprised of 23 institutions. The University serves more than 243,000 degree-credit students and 240,000 adult, continuing and professional education students. Individual institutions contracts for pest control services through private vendors. The data reported is information received from 13 colleges, Borough of Manhattan Community College, Bronx Community College, City College, College of Technology, The Graduate Center, Hostos Community College, John Jay College, Kingsborough Community College, La Guardia Community College, Lehman College, Medgar Evers College, Queens Borough Community College, and York College. Table 11 summarizes pesticide use by pesticide type. Table 12 lists all pesticide products used by CUNY in 2009.

Table 11: Types of Pesticides Used by CUNY in 2009

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	1.7	0.6%	198.1	4.1%	405	31.2%
Insecticide	57.0	18.8%	62.8	1.3%	810	62.4%
Herbicide	203.4	67.0%	4,550.0	94.2%	45	3.5%
Fungicide	40.0	13.2%	16.9	0.3%	34	2.6%
Other	1.5	0.5%	0.1	0.0%	4	0.3%
Totals	303.6		4,827.8		1,298	

Table 12: Pesticide Products Used by CUNY in 2009 by Pesticide Type

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
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EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
Rodenticides								
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	91.24	124	Bromadiolone	3	NO	NO
12455-80	DITRAC ALL-WEATHER BLOX	0.00	61.00	102	Diphacinone	3	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.47	22.05	68	Bromadiolone	3	NO	NO
7173-258	D-CON BAIT PASTE POUCHES	0.00	1.65	63	Difethialone	3	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	7.00	11	Bromadiolone	3	NO	NO
7173-218	GENERATION MINI BLOCKS	0.00	3.70	10	Difethialone	3	NO	NO
56-42	EATON'S ALL-WEATHER BAIT BLOCKS RODENTICIDE WITH M	1.23	0.00	8	Diphacinone	3	NO	NO
12455-90	FINAL RODENTICIDE	0.00	3.80	8	Brodifacoum	3	NO	NO
12455-89	FINAL ALL-WEATHER BLOX	0.00	1.93	4	Brodifacoum	3	NO	NO
100-1050	TALON-G RODENTICIDE BAIT PACK MINI-PELLETS WITH BI	0.00	1.54	4	Brodifacoum	3	NO	NO
56-42	BAIT BLOCK RODENTIICDE WITH PEANUT BUTTER FLAVORIZ	0.00	4.13	2	Diphacinone	3	NO	NO
12455-56	DITRAC TRACKING POWDER	0.00	0.06	1	Diphacinone	2	NO	NO
Insecticides								
352-652	DUPONT ADVION COCKROACH GEL BAIT	0.00	7.55	145	Indoxacarb	3	NO	NO
432-1460	MAXFORCE FC ROACH KILLER BAIT GEL F.05	0.00	4.17	135	Fipronil	3	YES	NO
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	12.04	1.95	118	Esfenvalerate	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	32.10	107	Avermectin	3	NO	NO
432-1255	MAXFORCE GRANULAR INSECT BAIT	0.00	6.13	29	Hydramethylnon	3	YES	YES
432-763	SUSPEND SC	21.48	0.00	27	Deltamethrin	3	NO	NO
67425-14	ECOPCO ACU	0.12	1.63	23	Phenylethyl propionate	3	NO	NO
432-763	SUSPEND SC INSECTICIDE	0.04	0.04	20	Deltamethrin	3	NO	NO
432-1259	MAXFORCE FC SELECT PROF. INSECT CONTROL ROACH KILLER BAIT GEL	0.00	0.80	18	Fipronil	3	YES	NO
73079-7	INTICE (TM) LIQUID BAIT	0.00	1.88	15	Borax	3	NO	NO
352-746	DUPONT ADVION ANT GEL	0.00	0.84	15	Indoxacarb	3	NO	NO
1021-1767	ENFORCERS BEDBUG SPRAY	1.20	0.00	14	Phenothrin; N-octyl bicycloheptene dicarboximide	3	YES	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
67425-15	EcoPco AR/X	0.00	0.27	13	Pyrethrins; Phenylethyl propionate	3	YES	NO
432-1254	MAXFORCE PROFESSIONAL INSECT CONTROL ROACH KILLER	0.15	0.00	12	Hydramethylnon	3	YES	YES
432-1145	KICKER	14.16	0.00	11	Pyrethrins; Piperonyl butoxide	3	YES	NO
397-13	STERI-FAB	0.33	0.00	10	Phenothrin; Isopropyl alcohol; Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride; Didecyl dimethyl ammonium chloride	2	NO	NO
73079-2	INTICE GRANULAR BAIT	0.00	0.40	10	Boric acid	3	NO	NO
11556-145	TEMPO SC ULTRA PEST CONTROL CONCENTRATE	0.00	0.21	10	Cyfluthrin, beta	3	NO	NO
499-304	WHITMIRE OPTEM ME PT 600	1.17	0.00	8	Cyfluthrin	3	NO	NO
64405-2	REDZONE BAIT	0.00	2.31	8	Boric acid	3	NO	NO
432-1304	TEMPO 10 WP INSECTICIDE	0.00	0.04	8	Cyfluthrin, beta	3	NO	NO
655-798	PRENTOX EXCITE (R)	3.88	0.00	7	Pyrethrins; Piperonyl butoxide	3	YES	NO
499-507	PRESCRIPTION TREATMENT BRAND ADVANCE COCKROACH GEL BAIT RESERVOIR	0.19	0.07	7	Dinotefuran	3	NO	NO
279-3081	CYNOFF EC INSECTICIDE	0.02	0.00	5	Cypermethrin, beta	3	YES	NO
432-1257	MAXFORCE ROACH BAIT F.05	0.00	0.06	5	Fipronil	3	YES	NO
499-444	WHITMIRE MICRO-GEN TC 164	0.03	0.44	4	Pyrethrins; Piperonyl butoxide	3	YES	NO
499-492	PRESCRIPTION TREATMENT BRAND 388B ADVANCE ANT GEL BAIT	0.06	0.00	3	Borax	3	NO	NO
64405-2	LEGS UP! INDOOR GRANULAR BAIT	0.00	0.14	3	Boric acid	3	NO	NO
100-1066	DEMAND CS INSECTICIDE	0.62	0.00	2	Cyhalothrin, lambda	3	NO	NO
2724-476	ENSTAR II INSECT GROWTH REGULATOR (ENSTAR 5E)	0.50	0.00	2	(S)-Kinoprene	2	NO	NO
499-306	WHITMIRE TALSTAR PT 1800 TOTAL RELEASE INSECTICIDE	0.03	0.00	2	Bifenthrin	3	YES	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
499-437	WHITMIRE PT 2120 TR PRECLUDE	0.03	0.00	2	Fenoxycarb	3	YES	NO
499-515	MOTHEREARTH GRANULAR SCATTER BAIT	0.00	0.25	2	Boric acid	3	NO	NO
73766-1	GOURMET ANT BAIT GEL	0.00	0.02	2	Disodium octaborate tetrahydrate	3	NO	NO
499-452	ULD BP-100 INSECTICIDE	0.72	0.00	1	Pyrethrins; Piperonyl butoxide; N-octyl bicycloheptene dicarboximide	3	YES	NO
499-462	PRO-CONTROL FOGGER IV	0.23	0.00	1	Cyfluthrin; Pyrethrins; Piperonyl butoxide	3	YES	NO
64405-2	ECOLOGICAL ANT & INSECT BAIT	0.00	0.63	1	Boric acid	3	NO	NO
499-470	WHITMIRE MICRO-GEN TC 198	0.00	0.50	1	Cyfluthrin	3	NO	NO
432-772	ZEP TOTAL CONTROL INSECT POWDER TOTAL CONTROL SYST	0.00	0.25	1	Deltamethrin	3	NO	NO
499-406	AVERT PRESCRIPTION TREATMENT TC 93A BAIT	0.00	0.06	1	Avermectin	3	NO	NO
432-469	BAYGON TRANSPARENT EMULSION CONCENTRATE 5	0.00	0.03	1	Propoxur	2	YES	NO
432-1256	MAXFORCE FC ANT BAIT STATIONS	0.00	0.03	1	Fipronil	3	YES	NO
Herbicides								
228-366	RAZOR HERBICIDE	1.80	0.00	14	Glyphosate, isopropylamine salt	3	NO	NO
524-475	ROUNDUP ULTRA HERBICIDE	1.42	0.00	8	Glyphosate, isopropylamine salt	3	NO	NO
62719-137	SPRING CRABGRASS CONTROL	0.00	2,000.00	7	Benfluralin; Trifluralin	3	YES	NO
9198-237	THE ANDERSONS WEED & GRASS PREVENTER WITH 5% TRAMM	0.00	360.00	7	Trifluralin	3	YES	NO
100-817	BICEP II MAGNUM HERBICIDE	0.14	0.00	2	Atrazine; Metolachlor, (S)	3	YES	NO
961-359	LEBANON FERTILIZER WITH DIMENSION (0.09%) CRABGRAS	0.00	320.00	2	Dithiopyr	3	NO	NO
228-413	HOWARD JOHNSON'S VIPER WEED AND FEED	0.00	120.00	2	2,4-D; 2,4-D, 2-ethylhexyl ester; Dicamba; Mecoprop-P	3	YES	NO
524-531	RT MASTER	100.00	0.00	1	2,4-D, isopropylamine salt; Glyphosate, isopropylamine salt	3	NO	NO
524-532	MON 78623 58% TECHNICAL SOLUTION	100.00	0.00	1	Glyphosate, potassium salt	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
62719-590	PENOXsulAM 3 FERT	0.00	1,750.00	1	2,4-D; Dicamba; Penoxsulam	3	NO	NO
Fungicides								
8622-56	BIOBROM C-100G	0.00	16.88	30	2,2-dibromo-3-nitrilopropionamide	1	NO	NO
707-133	A102	40.00	0.00	4	5-chloro-2-methyl-4-isothiazolin-3-one; 2-methyl-4-isothiazolin-3-one	1	NO	NO
Other								
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	1.50	0.06	4	(7S)-Hydroprene	3	NO	NO

Citywide Administrative Services

The Department of Citywide Administrative Services (DCAS) oversees surplus city-owned property and the commercial real estate portfolio for the City. Of the 14,000 city-owned lots, DCAS is directly responsible for the management of approximately 2,400 of these properties. DCAS cleans and maintains 53 DCAS-managed buildings with 13,365,398 square feet of space throughout the city. These include City Hall, the four Borough Halls, the Manhattan and Brooklyn Municipal Buildings, and all state and municipal court buildings. DCAS administers the city-wide contract for pest control which city agencies may use to purchase pest control services. Several agencies are housed in DCAS managed buildings and the report submitted reflects these applications. Table 13 summarizes pesticide use by pesticide type. Table 14 lists all pesticide products used by DCAS in 2009.

Table 13: Types of Pesticides Used by DCAS in 2009

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	857.1	98.1%	670	47.1%
Insecticide	4.8	98.5%	16.4	1.9%	740	52.1%
Other	0.1	1.5%	0.0	0.0%	11	0.8%
Totals	4.9		873.6		1,421	

Table 14: Pesticide Products Used by DCAS in 2009 by Pesticide Type

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
Rodenticides								
12455-80	DITRAC ALL-WEATHER BLOX	0.00	687.66	474	Diphacinone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	126.81	119	Bromadiolone	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	24.00	34	Bromadiolone	3	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.00	6.46	22	Bromadiolone	3	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	12.20	21	Bromadiolone	3	NO	NO
Insecticides								
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	2.66	0.00	404	Esfenvalerate	3	NO	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	2.15	0.03	259	Esfenvalerate	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	3.78	43	Avermectin	3	NO	NO
64405-2	REDZONE BAIT	0.00	9.72	25	Boric acid	3	NO	NO
67425-14	ECOPCO ACU	0.00	2.91	7	Phenylethyl propionate	3	NO	NO
499-406	AVERT PRESCRIPTION TREATMENT TC 93A BAIT	0.00	0.01	1	Avermectin	3	NO	NO
Other								
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.07	0.00	11	(7S)-Hydroprene	3	NO	NO

Corrections

The Department of Corrections (DOC) oversees 44 facilities, including ten correctional facilities that have food preparation areas, laundries, residential areas for inmates, and office space. DOC does not employ contractors for pest management purposes, but relies on ten in-house pest control professionals and works with DCAS and HHC in maintaining certain facilities. Table 15 summarizes pesticide use by pesticide type. Table 16 lists all pesticide products used by DOC in 2009.

Table 15: Types of Pesticides Used by DOC in 2009

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	784.6	73.0%	517	19.7%
Insecticide	43.8	99.5%	290.2	27.0%	2,072	79.1%
Other	0.2	0.5%	0.0	0.0%	29	1.1%
Totals	44.0		1,074.7		2,618	

Table 16: Pesticide Products Used by DOC in 2009 by Pesticide Type

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
Rodenticides								
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	190.63	235	Bromadiolone	3	NO	NO
7173-202	MAKI MINI BLOCKS	0.00	32.50	86	Bromadiolone	3	NO	NO
7173-218	GENERATION MINI BLOCKS	0.00	75.13	77	Difethialone	3	NO	NO
7173-188	MAKI RAT AND MOUSE BAIT PACKS (PELLETS)	0.00	257.70	39	Bromadiolone	3	NO	NO
100-1057	TALON-G RODENTICIDE MINI-PELLETS WITH BITREX	0.00	23.31	20	Brodifacoum	3	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	49.88	16	Bromadiolone	3	NO	NO
12455-56	DITRAC TRACKING POWDER	0.00	2.38	15	Diphacinone	2	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	11.94	14	Bromadiolone	3	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.00	1.10	13	Bromadiolone	3	NO	NO
12455-36	CONTRAC RAT AND MOUSE BAIT	0.00	140.00	2	Bromadiolone	3	NO	NO
Insecticides								
432-763	SUSPEND SC	31.44	0.00	726	Deltamethrin	3	NO	NO
100-1066	DEMAND CS INSECTICIDE	9.03	0.00	292	Cyhalothrin, lambda	3	NO	NO
432-1259	MAXFORCE FC SELECT PROF. INSECT CONTROL ROACH KILLER BAIT GEL	0.00	20.05	238	Fipronil	3	YES	NO
432-1304	TEMPO 10 WP INSECTICIDE	0.00	5.56	215	Cyfluthrin, beta	3	NO	NO
64405-2	REDZONE BAIT	0.00	145.75	159	Boric acid	3	NO	NO
499-507	PRESCRIPTION TREATMENT BRAND ADVANCE COCKROACH GEL BAIT RESERVOIR	0.00	4.56	78	Dinotefuran	3	NO	NO
279-3385	DRAX ANT KILL GEL	0.00	3.34	70	Boric acid	3	NO	NO
73049-20	VECTOLEX CG BIOLOGICAL LARVICIDE	0.19	3.13	40	Bacillus sphaericus	3	NO	NO
499-492	PRESCRIPTION TREATMENT BRAND 388B ADVANCE ANT GEL BAIT	0.00	1.28	39	Borax	3	NO	NO
432-1264	MAXFORCE FC ANT KILLER BAIT GEL	0.00	2.23	31	Fipronil	3	YES	NO
64405-2	ECOLOGICAL ANT & INSECT BAIT	0.00	75.63	26	Boric acid	3	NO	NO
499-370	PT 370 ASCEND FIRE ANT STOPPER BAIT	0.00	17.22	17	Avermectin	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
432-1252	MAXFORCE PROFESSIONAL INSECT CONTROL ANT KILLER BA	0.00	0.32	17	Hydramethylnon	3	YES	YES
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	1.82	15	Avermectin	3	NO	NO
432-1145	KICKER	0.10	0.02	14	Pyrethrins; Piperonyl butoxide	3	YES	NO
499-406	AVERT PRESCRIPTION TREATMENT TC 93A BAIT	0.00	3.70	14	Avermectin	3	NO	NO
432-1363	TEMPO SC INSECTICIDE	0.04	0.00	13	Cyfluthrin, beta	3	NO	NO
432-1251	MAXFORCE ROACH CONTROL SYSTEM	0.00	0.42	12	Hydramethylnon	3	YES	YES
432-1256	MAXFORCE FC ANT BAIT STATIONS	0.00	0.40	11	Fipronil	3	YES	NO
432-772	DELTA DUST	0.00	2.19	9	Deltamethrin	3	NO	NO
432-1262	MAXFORCE IBH10	0.00	1.44	8	Hydramethylnon	3	YES	YES
432-1254	MAXFORCE PROFESSIONAL INSECT CONTROL ROACH KILLER	0.00	0.46	7	Hydramethylnon	3	YES	YES
499-294	AVERT PRESCRIPTION TREATMENT 310	0.00	0.05	6	Avermectin	3	NO	NO
73049-19	VECTOBAC CG BIOLOGICAL LARVICIDE GRANULES	0.00	0.22	5	Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52	3	NO	NO
279-3386	DRAX ANT KIL-PF	0.00	0.09	2	Boric acid	3	NO	NO
432-1255	MAXFORCE GRANULAR INSECT BAIT	0.00	0.00	2	Hydramethylnon	3	YES	YES
397-13	STERI-FAB	3.00	0.00	1	Phenothrin; Isopropyl alcohol; Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride; Didecyl dimethyl ammonium chloride	2	NO	NO
432-992	DRIONE INSECTICIDE	0.00	0.13	1	Pyrethrins; Piperonyl butoxide; Silica gel	3	YES	NO
432-1257	MAXFORCE ROACH BAIT F.05	0.00	0.09	1	Fipronil	3	YES	NO
241-313	SIEGE PBS GEL INSECTICIDE	0.00	0.07	1	Hydramethylnon	3	YES	YES
432-1258	MAXFORCE LARGE ROACH BAIT F.03	0.00	0.04	1	Fipronil	3	YES	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
2724-469	ZOECON (S)-HYDROPRENE ROACH CONTROL STATION II	0.00	0.00	1	(7S)-Hydroprene	3	NO	NO
Other								
2724-351	ZOECON GENCOR 9% EMULSIFIABLE CONCENTRATE	0.23	0.00	29	(7S)-Hydroprene	3	NO	NO

Education

Pest management at all New York City public schools is overseen by the Department of Education (DOE) with fourteen in-house staff that conduct monthly monitoring inspections at 850 schools. DOE contracts with several pest control companies to additionally provide services for an additional 200 schools. Table 17 summarizes pesticide use by pesticide type. Table 18 lists all pesticide products used by DOE in 2009.

Table 17: Types of Pesticides Used by DOE in 2009

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.2	0.1%	3,784.4	70.7%	8,163	31.3%
Insecticide	149.0	99.9%	1,568.3	29.3%	17,932	68.7%
Other	0.0	0.0%	0.1	0.0%	1	0.0%
Totals	149.2		5,352.8		26,096	

Table 18: Pesticide Products Used by DOE in 2009 by Pesticide Type

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
Rodenticides								
7173-218	GENERATION MINI BLOCKS	0.05	931.98	2,667	Difethialone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.16	1,765.36	2,660	Bromadiolone	3	NO	NO
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	724.80	1,979	Difethialone	3	NO	NO
7173-202	MAKI MINI BLOCKS	0.00	72.63	314	Bromadiolone	3	NO	NO
100-1055	WEATHERBLOK BAIT WITH BITREX	0.00	71.27	281	Brodifacoum	3	NO	NO
12455-95	FASTRAC ALL-WEATHER BLOX	0.00	124.57	122	Bromethalin	3	NO	NO
100-1057	TALON-G RODENTICIDE MINI-PELLETS WITH BITREX	0.00	88.08	113	Brodifacoum	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	5.44	26	Bromadiolone	3	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	0.31	1	Bromadiolone	3	NO	NO
Insecticides								
352-652	DUPONT ADVION COCKROACH GEL BAIT	2.27	160.47	4,856	Indoxacarb	3	NO	NO
64405-2	REDZONE BAIT	4.02	923.10	4,252	Boric acid	3	NO	NO
432-1460	MAXFORCE FC ROACH KILLER BAIT GEL F.05	0.00	77.07	2,107	Fipronil	3	YES	NO
67425-14	ECOPCO ACU	72.28	1.66	1,762	Phenylethyl propionate	3	NO	NO
499-384	WHITMIRE PT 240 PERMA-DUST INSECTICIDE	25.19	2.06	1,124	Boric acid	3	NO	NO
499-507	PRESCRIPTION TREATMENT BRAND ADVANCE COCKROACH GEL BAIT RESERVOIR	0.00	44.12	809	Dinotefuran	3	NO	NO
73766-1	GOURMET ANT BAIT GEL	0.11	21.12	710	Disodium octaborate tetrahydrate	3	NO	NO
432-1259	MAXFORCE FC SELECT PROF. INSECT CONTROL ROACH KILLER BAIT GEL	0.00	20.74	510	Fipronil	3	YES	NO
499-497	MOTHEREARTH PROCITRA-DL	22.74	1.20	458	Limonene	3	NO	NO
432-1262	MAXFORCE IBH10	0.00	57.54	442	Hydramethylnon	3	YES	YES
9444-132	MOP UP	0.50	222.31	302	Disodium octaborate tetrahydrate	3	NO	NO
499-304	WHITMIRE OPTEM ME PT 600	17.27	0.00	109	Cyfluthrin	3	NO	NO
73079-2	INTICE GRANULAR BAIT	0.00	13.90	107	Boric acid	3	NO	NO
352-668	DUPONT ADVION COCKROACH BAIT ARENA	0.02	1.64	76	Indoxacarb	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
499-492	PRESCRIPTION TREATMENT BRAND 388B ADVANCE ANT GEL BAIT	0.00	3.84	73	Borax	3	NO	NO
499-406	AVERT PRESCRIPTION TREATMENT TC 93A BAIT	0.00	2.16	52	Avermectin	3	NO	NO
6218-47	SUMMIT B.T.I. BRIQUETS	0.00	6.39	39	Bacillus thuringiensis subspecies israelensis strain BMP 144	3	NO	NO
2724-484	GENTROL AEROSOL (FOR PROFESSIONAL USE ONLY)	0.66	0.00	31	(7S)-Hydroprene	3	NO	NO
499-370	JOHNSON WAX PROFESSIONAL BRAND GRANULAR ANT BAIT	0.00	1.74	28	Avermectin	3	NO	NO
432-1251	MAXFORCE ROACH CONTROL SYSTEM	0.00	0.34	18	Hydramethylnon	3	YES	YES
64405-2	LEGS UP! INDOOR GRANULAR BAIT	0.00	1.67	15	Boric acid	3	NO	NO
54452-2	STAPELTON'S MAGNETIC ROACH FOOD M.R.F. 2000 - PAST	0.00	1.88	11	Boric acid	3	NO	NO
279-3385	DRAX ANT KILL GEL	0.00	0.32	10	Boric acid	3	NO	NO
100-1066	DEMAND CS INSECTICIDE	0.85	0.50	8	Cyhalothrin, lambda	3	NO	NO
73079-5	INTICE ROACH BAIT	0.00	0.36	6	Boric acid	3	NO	NO
2724-375	ALTOSID BRIQUETS	0.00	0.75	5	S-Methoprene	3	NO	NO
67425-4	ECOPCO AC CONTACT INSECTICIDE	0.14	0.00	3	Eugenol; Phenylethyl propionate	3	NO	NO
499-370	PT 370 ASCEND FIRE ANT STOPPER BAIT	0.00	0.50	3	Avermectin	3	NO	NO
499-384	JOHNSON WAX PROFESSIONAL BRAND BORIC ACID PRESSURE	2.95	0.00	2	Boric acid	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
6218-47	ANTI-MOS BRIQUETS	0.00	0.69	2	Bacillus thuringiensis subspecies israelensis strain BMP 144	3	NO	NO
64405-8	SPECTRACIDE TERMINATE TERMITE & CARPENTER ANT KILL	0.00	0.31	2	Disodium octaborate tetrahydrate	3	NO	NO
Other								
58630-1	DR. T'S SNAKE-A-WAY SNAKE REPELLING GRANULES	0.00	0.06	1	Naphthalene; Sulfur	3	NO	NO

Environmental Protection

The Department of Environmental Protection (DEP) has over 1,700 facilities upstate and downstate. These include water pollution control plants, well stations, pumping stations, shafts, chambers, reservoirs, aqueducts, tunnels, gate houses, office space, garages, repair shops, maintenance shops, and police precincts within New York City. DEP contracts for some pest control services and employ approximately 20 licensed applicators for upstate reservoir pest control. Table 19 summarizes pesticide use by pesticide type. Table 20 lists all pesticide products used by DEP in 2009.

Table 19: Types of Pesticides Used by DEP in 2009

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	332.2	89.9%	168	28.3%
Insecticide	8.5	5.9%	3.4	0.9%	349	58.8%
Herbicide	136.0	94.1%	0.0	0.0%	70	11.8%
Other	0.0	0.0%	34.0	9.2%	7	1.2%
Totals	144.5		369.6		594	

Table 20: Pesticide Products Used by DEP in 2009 by Pesticide Type

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
Rodenticides								
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	34.73	55	Bromadiolone	3	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	15.69	44	Bromadiolone	3	NO	NO
12455-80	DITRAC ALL-WEATHER BLOX	0.00	20.75	40	Diphacinone	3	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	6.30	12	Bromadiolone	3	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.00	1.21	7	Bromadiolone	3	NO	NO
7173-218	GENERATION MINI BLOCKS	0.00	0.34	4	Difethialone	3	NO	NO
7173-151	ROZOL PELLETS	0.00	250.00	2	Chlorophacinone	3	NO	NO
12455-89	FINAL ALL-WEATHER BLOX	0.00	0.40	2	Brodifacoum	3	NO	NO
12455-69	CONTRAC RODENTICIDE	0.00	1.50	1	Bromadiolone	3	NO	NO
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	1.25	1	Difethialone	3	NO	NO
Insecticides								
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	2.64	0.00	190	Esfenvalerate	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.35	0.00	85	Esfenvalerate	3	NO	NO
9688-190	SPECTRACIDE DESTROYER BRAND WASP & HORNET KILLER	1.12	0.00	18	Cyhalothrin, lambda; Prallethrin	3	NO	NO
73049-20	VECTOLEX CG BIOLOGICAL LARVICIDE	2.16	0.00	14	Bacillus sphaericus	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	0.75	10	Avermectin	3	NO	NO
73049-46	FORAY 48BC	1.97	0.00	8	Bacillus thuringiensis, subsp. Kurstaki, strain ABTS-351, fermentation solids and solubles	3	NO	NO
499-496	PRESCRIPTION TREATMENT BRAND ADVANCE 360A DUAL CHOICE ANT BAIT STATIONS	0.00	0.40	5	Avermectin	3	NO	NO
432-763	SUSPEND SC INSECTICIDE	0.04	0.00	4	Deltamethrin	3	NO	NO
67425-14	ECOPCO ACU	0.00	0.44	4	Phenylethyl propionate	3	NO	NO
499-304	WHITMIRE OPTEM ME PT 600	0.14	0.00	3	Cyfluthrin	3	NO	NO
149-8	TERRO ANT KILLER II	0.09	0.00	3	Borax	3	NO	NO
432-1259	MAXFORCE FC SELECT PROF. INSECT CONTROL ROACH KILLER BAIT GEL	0.00	0.53	2	Fipronil	3	YES	NO
64405-2	REDZONE BAIT	0.00	0.39	2	Boric acid	3	NO	NO
279-3385	DRAX ANT KILL GEL	0.00	0.94	1	Boric acid	3	NO	NO
Herbicides								
524-475	ROUNDUP ULTRA HERBICIDE	53.48	0.00	42	Glyphosate, isopropylamine salt	3	NO	NO
524-343	ROUNDUP CUSTOM HERBICIDE	0.79	0.00	11	Glyphosate, isopropylamine salt	3	NO	NO
62719-542	DIMENSION 2EW	6.79	0.00	7	Dithiopyr	2	NO	NO
352-395	DUPONT KRENITE S BRUSH CONTROL AGENT	46.70	0.00	4	Fosamine, ammonium salt	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
524-454	CORNERSTONE PLUS	27.89	0.00	4	Glyphosate, isopropylamine salt	2	NO	NO
71995-25	ROUNDUP WEED & GRASS KILLER SUPER CONCENTRATE	0.23	0.00	1	Glyphosate, isopropylamine salt	3	NO	NO
71995-29	ROUNDUP WEED & GRASS KILLER CONCENTRATE PLUS	0.09	0.00	1	Glyphosate, isopropylamine salt; Diquat dibromide	3	NO	NO
Other								
10551-1	THE GIANT DESTROYER	0.00	34.00	7	Carbon; Sodium nitrate; Sulfur	3	NO	NO

Finance

The Department of Finance (DOF) collects City revenues, ensures compliance with City tax and other revenue laws, evaluates all real property in the City, provides a forum for the public to dispute tax and parking violation liability, and maintains property records. The agency contracts for pest control through the city-wide contract administered by DCAS. Table 21 summarizes pesticide use by pesticide type. Table 22 lists all pesticide products used by DOF in 2009.

Table 21: Types of Pesticides Used by DOF in 2009

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	14.0	78.2%	20	22.7%
Insecticide	0.3	89.4%	3.9	21.8%	64	72.7%
Other	0.0	10.6%	0.0	0.0%	4	4.5%
Totals	0.3		17.9		88	

Table 22: Pesticide Products Used by DOF in 2009 by Pesticide Type

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
Rodenticides								
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	4.25	6	Bromadiolone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	3.81	5	Bromadiolone	3	NO	NO
12455-80	DITRAC ALL-WEATHER BLOX	0.00	3.25	5	Diphacinone	3	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	2.69	4	Bromadiolone	3	NO	NO
Insecticides								
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	0.19	0.00	26	Esfenvalerate	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.07	0.00	17	Esfenvalerate	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	0.69	13	Avermectin	3	NO	NO
64405-2	REDZONE BAIT	0.00	2.56	6	Boric acid	3	NO	NO
67425-14	ECOPCO ACU	0.00	0.66	2	Phenylethyl propionate	3	NO	NO
Other								
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.03	0.00	4	(7S)-Hydroprene	3	NO	NO

Fire Department

The Fire Department of New York City (FDNY) manages some 350 facilities throughout the City and contracts for pest control services. Table 23 summarizes pesticide use by pesticide type. Table 24 lists all pesticide products used by FDNY in 2009.

Table 23: Types of Pesticides Used by FDNY in 2009

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	404.8	95.9%	686	44.4%
Insecticide	27.6	98.9%	17.1	4.1%	830	53.7%
Other	0.3	1.1%	0.0	0.0%	30	1.9%
Totals	27.9		421.9		1,546	

Table 24: Pesticide Products Used by FDNY in 2009 by Pesticide Type

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
Rodenticides								
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	195.23	262	Bromadiolone	3	NO	NO
12455-80	DITRAC ALL-WEATHER BLOX	0.00	85.34	165	Diphacinone	3	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	42.60	117	Bromadiolone	3	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	64.95	100	Bromadiolone	3	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.00	16.67	42	Bromadiolone	3	NO	NO

Insecticides

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	2.12	0.00	461	Esfenvalerate	3	NO	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	1.39	0.00	244	Esfenvalerate	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	5.23	88	Avermectin	3	NO	NO
64405-2	REDZONE BAIT	0.00	5.59	15	Boric acid	3	NO	NO
67425-14	ECOPCO ACU	0.00	6.05	12	Phenylethyl propionate	3	NO	NO
499-406	AVERT PRESCRIPTION TREATMENT TC 93A BAIT	0.00	0.23	5	Avermectin	3	NO	NO
397-13	STERI-FAB	24.13	0.00	4	Phenothrin; Isopropyl alcohol; Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride; Didecyl dimethyl ammonium chloride	2	NO	NO
Other								
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.30	0.00	30	(7S)-Hydroprene	3	NO	NO

Health and Hospitals Corporation

The New York City Health and Hospitals Corporation (HHC) oversees eleven hospitals, six diagnostic and treatment centers, 82 community health and school-based clinics, and five long-term care/specialty hospital and nursing home facilities. Because each facility is managed separately, pest control protocols differ among facilities. A few facilities have pest control professionals on staff, but the majority relies on one of two outside contractors. Table 25 summarizes pesticide use by pesticide type. Table 26 lists products by pesticide types.

Table 25: Types of Pesticides Used by HHC in 2009

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	573.7	38.4%	659	13.8%
Insecticide	587.3	100.0%	914.8	61.2%	4,020	84.1%
Other	0.0	0.0%	7.0	0.5%	99	2.1%
Totals	587.3		1,495.4		4,778	

Table 26: Pesticide Products Used by HHC in 2009 by Pesticide Type

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
Rodenticides								
7173-202	MAKI MINI BLOCKS	0	251.62 5	258	Bromadiolone	3	NO	NO
12455-79	ZEP TOTAL CONTROL RODENT BLOCKS TOTAL CONTROL SYST	0	165.25 25	193	Bromadiolone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0	49.473 05217	85	Bromadiolone	3	NO	NO
100-1055	WEATHERBLOK BAIT WITH BITREX	0	63.228 57679	50	Brodifacoum	3	NO	NO
12455-16	ZP TRACKING POWDER	0	9.9375	31	Zinc phosphide	2	NO	NO
7173-188	MAKI RAT AND MOUSE BAIT PACKS (PELLETS)	0	17.938 125	16	Bromadiolone	3	NO	NO
7173-172	ROZOL BLUE TRACKING POWDER	0	4.875	9	Chlorophacinone	2	NO	NO
12455-89	FINAL ALL-WEATHER BLOX	0	7.0625	8	Brodifacoum	3	NO	NO
12455-39	QUINTOX RAT AND MOUSE BAIT	0	1.5625	2	Cholecalciferol	3	NO	NO
12455-95	FASTRAC ALL-WEATHER BLOX	0	0.9375	1	Bromethalin	3	NO	NO
7173-218	GENERATION MINI BLOCKS	0	0.7054 79239	1	Difethialone	3	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0	0.375	1	Bromadiolone	3	NO	NO
7173-113	ROZOL TRACKING POWDER	0	0.375	1	Chlorophacinone	2	NO	NO
12455-56	DITRAC TRACKING POWDER	0	0.25	1	Diphacinone	2	NO	NO
3240-42	RAMPAGE RAT & MOUSE BAIT	0	0.0551 15566	1	Cholecalciferol	3	NO	NO
3240-28	QUINTOX MOUSE SEED READY-TO-USE PLACE PAC	0	0.0220 46226	1	Cholecalciferol	3	NO	NO
Insecticides								
279-3384	ROACH KIL COMMERCIAL	0	636.40 3125	1170	Boric acid	3	NO	NO
352-652	DUPONT ADVION COCKROACH GEL BAIT	0	53.760 40396	1030	Indoxacarb	3	NO	NO
432-763	SUSPEND SC	221.68	0	268	Deltamethrin	3	NO	NO
67425-14	ECOPCO ACU	0.03906 25	63.328 4375	224	Phenylethyl propionate	3	NO	NO
432-1363	TEMPO SC INSECTICIDE	180.02	0	198	Cyfluthrin, beta	3	NO	NO
1021-1815	EVERCIDE ESFENVALERATE 6.4% CS	0	12.065 625	160	Esfenvalerate	3	NO	NO
432-772	ZEP TOTAL CONTROL INSECT POWDER TOTAL CONTROL SYST	0	37.668 75	137	Deltamethrin	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
499-507	PRESCRIPTION TREATMENT BRAND ADVANCE COCKROACH GEL BAIT RESERVOIR	0	3.3792 05604	116	Dinotefuran	3	NO	NO
499-294	AVERT PRESCRIPTION TREATMENT 310	0	11.619 0491	105	Avermectin	3	NO	NO
64405-2	REDZONE BAIT	0	19	94	Boric acid	3	NO	NO
100-1066	DEMAND CS INSECTICIDE	85.85	0	86	Cyhalothrin, lambda	3	NO	NO
432-1304	TEMPO 10 WP INSECTICIDE	72.08	0	65	Cyfluthrin, beta	3	NO	NO
1677-191	ECO2000-GR	0	20.937 5	43	Boric acid	3	NO	NO
2724-375	ALTOSID BRIQUETS	0	20.708 77566	36	S-Methoprene	3	NO	NO
499-492	PRESCRIPTION TREATMENT BRAND 388B ADVANCE ANT GEL BAIT	0	0.4101 13346	32	Borax	3	NO	NO
1021-1603	NYLAR 10EC	27.63	0	31	Pyriproxyfen	3	NO	NO
1677-196	ECO 2000-XP FRESHBAIT	0	2.8439 63182	28	Boric acid	3	NO	NO
499-496	PRESCRIPTION TREATMENT BRAND ADVANCE 360A DUAL CHOICE ANT BAIT STATIONS	0	3.9235 75281	23	Avermectin	3	NO	NO
1677-195	ECO2000-RX FRESHBAIT	0	1.0626 28104	21	Boric acid	3	NO	NO
73766-1	GOURMET ANT BAIT GEL	0	0.4994 22075	18	Disodium octaborate tetrahydrate	3	NO	NO
499-470	WHITMIRE MICRO-GEN TC 198	0	7.8125	17	Cyfluthrin	3	NO	NO
352-746	DUPONT ADVION ANT GEL	0	0.5313 14052	16	Indoxacarb	3	NO	NO
73079-1	INTICE SWEET ANT GEL	0	0.3439 21129	16	Boric acid	3	NO	NO
2724-469	ZOECON (S)-HYDROPRENE ROACH CONTROL STATION II	0.01592 1875	0.9387 5	13	(7S)-Hydroprene	3	NO	NO
432-992	DRIONE INSECTICIDE	0	4.4375	10	Pyrethrins; Piperonyl butoxide; Silica gel	3	YES	NO
432-1254	MAXFORCE PROFESSIONAL INSECT CONTROL ROACH KILLER	0	0.2226 66885	8	HydramethylInon	3	YES	YES
9444-217	CB INSECTICIDE WITH DELTAMETHRIN	0	4	6	Deltamethrin	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
499-515	MOTHEREARTH GRANULAR SCATTER BAIT	0	0.75	6	Boric acid	3	NO	NO
432-1264	MAXFORCE FC ANT KILLER BAIT GEL	0	0.0891 76985	6	Fipronil	3	YES	NO
499-362	WHITMIRE PT 515 WASP FREEZE	0	1.5625	5	Phenothrin; D-trans Allethrin	3	YES	NO
9444-183	INTRUDER RESIDUAL WITH CYFLUTHRIN	0	1.8437 5	3	Cyfluthrin; Pyrethrins; Piperonyl butoxide	3	YES	NO
47000-73	SSI-50 INSECTICIDE	0	1.125	3	Pyrethrins; Piperonyl butoxide; N-octyl bicycloheptene dicarboximide	3	YES	NO
2724-484	GENTROL AEROSOL (FOR PROFESSIONAL USE ONLY)	0	0.625	3	(7S)-Hydroprene	3	NO	NO
352-668	DUPONT ADVION COCKROACH BAIT ARENA	0	0.2812 5	3	Indoxacarb	3	NO	NO
279-3153	FIRSTLINE TERMITE BAIT STATION	0	0.2812 5	3	Sulfluramid	3	NO	NO
499-406	AVERT PRESCRIPTION TREATMENT TC 93A BAIT	0	0.0440 92452	3	Avermectin	3	NO	NO
2724-274	GOLDEN MALRIN RF-128 FLY KILLER	0	0.2812 5	2	Methomyl; (Z)-9-Tricosene	3	NO	NO
432-1257	MAXFORCE ROACH BAIT F.05	0	0.1468 75	2	Fipronil	3	YES	NO
53871-3	STIMUKIL FLY BAIT	0	0.625	1	Methomyl; (Z)-9-Tricosene	3	NO	NO
655-802	PRENTOX LARVA-LUR CONTAINS PROPOXUR	0	0.375	1	Propoxur	3	YES	NO
6218-47	SUMMIT B.T.I. BRIQUETS	0	0.2862 5	1	Bacillus thuringiensis subspecies israelensis strain BMP 144	3	NO	NO
499-452	ULD BP-100 INSECTICIDE	0	0.1875	1	Pyrethrins; Piperonyl butoxide; N-octyl bicycloheptene dicarboximide	3	YES	NO
432-1256	MAXFORCE FC ANT BAIT STATIONS	0	0.125	1	Fipronil	3	YES	NO
655-798	PRENTOX EXCITE (R)	0	0.0625	1	Pyrethrins; Piperonyl butoxide	3	YES	NO
499-509	WHITMIRE DE 1606	0	0.0625	1	Diatomaceous earth	3	NO	NO
149-8	TERRO ANT KILLER II	0	0.0625	1	Borax	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
432-1375	PRE-EMPT FLY BAIT	0	0.05	1	Imidacloprid	3	NO	NO
432-1265	MAXFORCE IBH11	0	0.0187 5	1	Hydramethylnon	3	YES	YES
Other								
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0	6.0468 75	98	(7S)-Hydroprene	3	NO	NO
55943-1	HOT FOOT BIRD REPELLENT	0	0.9375	1	Polybutenes	3	NO	NO

Health and Mental Hygiene

The Bureau of Veterinary and Pest Control Services at DOHMH protects the public from animal- and vector-borne diseases and other hazards, including those that result from uncontrolled or unregulated rodents and other animals, and from mosquito-borne pathogens. Two programs, Pest Control Services (PCS) and Vector Surveillance and Control (VSC) have pest management responsibilities. PCS focuses on rodent control – performing inspections, cleanups and treatments of both private and public property. Currently, PCS employs twenty-one exterminators to bait properties that have signs of active rodents with rodenticide placed either directly in rat burrows or in tamper resistant bait stations. Though Local Law 37 requires the reporting of pesticide use on only public property, applications on private property done by PCS are included in Tables 27 and 28. VSC is charged with mosquito management. Table 27 summarizes pesticide use by pesticide type. Table 28 lists all pesticide products used by DOHMH in 2009.

Table 27: Types of Pesticides Used by DOHMH in 2009

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	4.3%	5,112.0	6.6%	19,303	82.2%
Insecticide	0.5	52.2%	71,916.4	93.4%	4,173	17.8%
Other	0.0	0.8%	0.0	0.0%	1	0.0%
Totals	0.6		77,028.4		23,477	

Table 28: Pesticide Products Used by DOHMH in 2009 by Pesticide Type

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
Rodenticides								
100-1050	TALON-G RODENTICIDE BAIT PACK MINI-PELLETS WITH BI	0.00	3,460.45	14,991	Brodifacoum	3	NO	NO
100-1055	WEATHERBLOK BAIT WITH BITREX	0.00	410.64	1,669	Brodifacoum	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	356.79	977	Bromadiolone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	597.16	970	Bromadiolone	3	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.00	264.95	634	Bromadiolone	3	NO	NO
7173-113	ROZOL TRACKING POWDER	0.00	3.36	25	Chlorophacinone	2	NO	NO
12455-80	DITRAC ALL-WEATHER BLOX	0.00	16.25	20	Diphacinone	3	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	1.81	5	Bromadiolone	3	NO	NO
12455-89	FINAL ALL-WEATHER BLOX	0.02	0.08	4	Brodifacoum	3	NO	NO
56-42	BAIT BLOCK RODENTICIDE WITH PEANUT BUTTER FLAVORIZ	0.00	0.42	3	Diphacinone	3	NO	NO
12455-69	CONTRAC RODENTICIDE	0.00	0.01	3	Bromadiolone	3	NO	NO
7173-202	MAKI MINI BLOCKS	0.02	0.00	1	Bromadiolone	3	NO	NO
100-1057	TALON-G RODENTICIDE MINI-PELLETS WITH BITREX	0.00	0.06	1	Brodifacoum	3	NO	NO
Insecticides								
73049-20	VECTOLEX CG BIOLOGICAL LARVICIDE	0.00	38,908.43	2,747	Bacillus sphaericus	3	NO	NO
73049-19	VECTOBAC CG BIOLOGICAL LARVICIDE GRANULES	0.00	32,842.77	837	Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52	3	NO	NO
352-652	DUPONT ADVION COCKROACH GEL BAIT	0.02	3.76	125	Indoxacarb	3	NO	NO
432-1251	MAXFORCE ROACH CONTROL SYSTEM	0.00	1.70	100	Hydramethylnon	3	YES	YES
432-1259	MAXFORCE FC SELECT PROF. INSECT CONTROL ROACH KILLER BAIT GEL	0.00	0.44	100	Fipronil	3	YES	NO
279-3384	ROACH KIL COMMERCIAL	0.00	0.44	100	Boric acid	3	NO	NO
499-507	PRESCRIPTION TREATMENT BRAND ADVANCE COCKROACH GEL BAIT RESERVOIR	0.01	1.86	60	Dinotefuran	3	NO	NO
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	0.44	0.00	57	Esfenvalerate	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	0.25	12	Avermectin	3	NO	NO
67425-14	ECOPCO ACU	0.00	0.84	9	Phenylethyl propionate	3	NO	NO
1021-1688	ANVIL 10+10 ULV	0.00	153.04	8	Phenothrin; Piperonyl butoxide	3	YES	NO
1021-1815	EVERCIDE ESFENVALERATE 6.4% CS	0.03	0.04	6	Esfenvalerate	3	NO	NO
100-1218	DEMON MAX INSECTICIDE	0.00	0.15	6	Cypermethrin, beta	2	YES	NO
64405-2	REDZONE BAIT	0.00	0.50	3	Boric acid	3	NO	NO
279-3206	TALSTAR TC FLOWABLE TERMITICIDE/INSECTICIDE	0.03	2.19	2	Bifenthrin	3	YES	NO
432-1377	TEMPO ULTRA WSP	0.00	0.03	1	Cyfluthrin, beta	3	NO	NO
Other								
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.01	0.00	1	(7S)-Hydroprene	3	NO	NO

Homeless Services

The Department of Homeless Services (DHS) manages homeless shelters and dormitory facilities across the City. Of these, six are Family Services operated, five provide dormitory facilities for families with children and one facility, PATH, is an intake facility. There are four adult facilities which also provide housing for men. DHS also operates and manages warehouses. Pest management services, which primarily address rodent and cockroach infestations, are provided by an outside contractor. Table 29 summarizes pesticide use by pesticide type. Table 30 lists all pesticide products used by DHS in 2009.

Table 29: Types of Pesticides Used by DHS in 2009

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	354.9	88.0%	234	35.5%
Insecticide	65.9	99.5%	48.5	12.0%	411	62.4%
Other	0.3	0.5%	0.0	0.0%	14	2.1%
Totals	66.3		403.4		659	

Table 30: Pesticide Products Used by DHS in 2009 by Pesticide Type

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
Rodenticides								
12455-80	DITRAC ALL-WEATHER BLOX	0.00	323.52	209	Diphacinone	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	18.31	15	Bromadiolone	3	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	3.88	5	Bromadiolone	3	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	9.09	4	Bromadiolone	3	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.00	0.11	1	Bromadiolone	3	NO	NO
Insecticides								
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	1.75	0.00	250	Esfenvalerate	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	1.96	78	Avermectin	3	NO	NO
64405-2	REDZONE BAIT	0.00	16.63	36	Boric acid	3	NO	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.19	0.00	25	Esfenvalerate	3	NO	NO
67425-14	ECOPCO ACU	0.00	29.88	19	Phenylethyl propionate	3	NO	NO
397-13	STERI-FAB	64.00	0.00	3	Phenothrin; Isopropyl alcohol; Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride; Didecyl dimethyl ammonium chloride	2	NO	NO
Other								
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.32	0.00	14	(7S)-Hydroprene	3	NO	NO

Housing Authority

The New York City Housing Authority (NYCHA) manages 2,644 residential buildings and 178,466 apartments, as well as office space and grounds that cover 2,502 acres. NYCHA currently has a staff of some 75 pest control professionals that perform routine inspections and treatments, carry out specialized intensive IPM interventions, apply pesticides, and respond to complaints and requests from other agencies. NYCHA staff members regularly address a range of insect and rodent problems, including interior mice, cockroaches and bedbugs and exterior

rats, weeds, and mosquito control. Table 31 summarizes pesticide use by pesticide type. Table 32 lists the products used by NYCHA in 2009.

Table 31: Types of Pesticides Used by NYCHA in 2009

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	10,338.6	91.4%	10,083	24.0%
Insecticide	1,267.4	99.1%	597.3	5.3%	29,152	69.3%
Herbicide	4.0	0.3%	0.0	0.0%	20	0.0%
Other	7.4	0.6%	378.3	3.3%	2,829	6.7%
Totals	1,278.8		11,314.2		42,084	

Table 32: Ten Most Frequently Applied Pesticide Products by NYCHA in 2009 by Pesticide Type

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
Rodenticides								
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.03	5,890.39	6,496	Bromadiolone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	2,810.91	1,507	Bromadiolone	3	NO	NO
12455-56	DITRAC TRACKING POWDER	0.02	405.98	920	Diphacinone	2	NO	NO
7173-208	MAKI RODENTICIDE BAIT PACKS (PELLETS)	0.00	716.80	899	Bromadiolone	3	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	53.70	113	Bromadiolone	3	NO	NO
12455-5	DITRAC ALL-WEATHER CAKE	0.00	431.91	79	Diphacinone	3	NO	NO
12455-100	FASTRAC MOUSE SEED PLACE PAC	0.00	3.79	28	Bromethalin	3	NO	NO
12455-89	FINAL ALL-WEATHER BLOX	0.00	8.44	14	Brodifacoum	3	NO	NO
3240-28	QUINTOX MOUSE SEED READY-TO-USE PLACE PAC	0.00	0.93	11	Cholecalciferol	3	NO	NO
56-42	BAIT BLOCK RODENTICIDE WITH PEANUT BUTTER FLAVORIZ	0.00	11.00	8	Diphacinone	3	NO	NO
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	4.42	7	Difethialone	3	NO	NO
100-1057	TALON-G RODENTICIDE MINI-PELLETS WITH BITREX	0.00	0.33	1	Brodifacoum	3	NO	NO
Insecticides								
432-763	SUSPEND SC INSECTICIDE	293.63	0.19	18,383	Deltamethrin	3	NO	NO
499-304	WHITMIRE OPTEM ME PT 600	56.74	0.94	4,042	Cyfluthrin	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
397-13	STERI-FAB	895.27	0.00	3,077	Phenothrin; Isopropyl alcohol; Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride; Didecyl dimethyl ammonium chloride	2	NO	NO
432-1259	MAXFORCE FC SELECT PROF. INSECT CONTROL ROACH KILLER BAIT GEL	0.08	126.04	1,464	Fipronil	3	YES	NO
73049-20	VECTOLEX CG BIOLOGICAL LARVICIDE	0.00	41.57	894	Bacillus sphaericus	3	NO	NO
432-1257	MAXFORCE ROACH BAIT F.05	0.00	183.90	877	Fipronil	3	YES	NO
432-763	SUSPEND SC	11.64	0.00	90	Deltamethrin	3	NO	NO
432-1254	MAXFORCE PROFESSIONAL INSECT CONTROL ROACH KILLER	0.00	4.36	72	Hydramethylnon	3	YES	YES
9444-217	CB INSECTICIDE WITH DELTAMETHRIN	6.18	0.06	65	Deltamethrin	3	NO	NO
352-652	DUPONT ADVION COCKROACH GEL BAIT	0.00	3.24	56	Indoxacarb	3	NO	NO
352-668	DUPONT ADVION COCKROACH BAIT ARENA	0.00	1.99	45	Indoxacarb	3	NO	NO
67425-14	ECOPCO ACU	3.79	0.00	31	Phenylethyl propionate	3	NO	NO
499-306	WHITMIRE TALSTAR PT 1800 TOTAL RELEASE INSECTICIDE	0.00	0.47	17	Bifenthrin	3	YES	NO
1021-1815	EVERCIDE ESFENVALERATE 6.4% CS	0.10	0.00	16	Esfenvalerate	3	NO	NO
64405-2	ECOLOGICAL ANT & INSECT BAIT	0.00	5.13	14	Boric acid	3	NO	NO
6218-47	SUMMIT B.T.I. BRIQUETS	0.00	228.82	4	Bacillus thuringiensis subspecies israelensis strain BMP 144	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	0.10	2	Avermectin	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
432-992	DRIONE INSECTICIDE	0.00	0.33	1	Pyrethrins; Piperonyl butoxide; Silica gel	3	YES	NO
432-1460	MAXFORCE FC ROACH KILLER BAIT GEL F.05	0.00	0.20	1	Fipronil	3	YES	NO
432-1251	MAXFORCE ROACH CONTROL SYSTEM	0.00	0.01	1	Hydramethylno n	3	YES	YES
Herbicides								
524-475	ROUNDUP ULTRA HERBICIDE	0.17	0.00	11	Glyphosate, isopropylamine salt	3	NO	NO
524-517	ACCORD XL HERBICIDE	2.56	0.00	8	Glyphosate, isopropylamine salt	3	NO	NO
62719-322	NAF-545	1.25	0.00	1	Glyphosate, isopropylamine salt	3	NO	NO
Other								
2724-421	ZOECON RF-292 BRIQUET	0.00	368.31	1,928	S-Methoprene	3	NO	NO
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	7.25	10.00	887	(7S)- Hydroprene	3	NO	NO
2724-351	ZOECON GENCOR 9% EMULSIFIABLE CONCENTRATE	0.15	0.00	14	(7S)- Hydroprene	3	NO	NO

Housing Preservation and Development

Housing Preservation and Development (HPD) oversees occupied and vacant residential and commercial buildings, vacant lots as well as a limited number of agency offices. In addition, its Emergency Repair Program occasionally encounters and responds to rats and fleas in occupied private buildings. There are no certified applicators on staff and the agency contracts for pest control services. Table 33 summarizes pesticide use by pesticide type. Table 34 lists all pesticide products used by HPD in 2009.

Table 33: Types of Pesticides Used by HPD in 2009

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.2%	282.1	97.0%	284	17.9%
Insecticide	0.5	93.7%	8.8	3.0%	1,296	81.7%
Other	0.0	6.2%	0.0	0.0%	7	0.4%
Totals	0.5		290.8		1,587	

Table 34: Pesticide Products Used by HPD in 2009

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
Rodenticides								

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
7173-202	MAKI MINI BLOCKS	0.00	60.00	126	Bromadiolone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	136.96	71	Bromadiolone	3	NO	NO
100-1055	WEATHERBLOK BAIT WITH BITREX	0.00	63.49	42	Brodifacoum	3	NO	NO
7173-188	MAKI RAT AND MOUSE BAIT PACKS (PELLETS)	0.00	6.48	16	Bromadiolone	3	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	4.88	15	Bromadiolone	3	NO	NO
12455-80	DITRAC ALL-WEATHER BLOX	0.00	5.69	9	Diphacinone	3	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	3.16	4	Bromadiolone	3	NO	NO
100-1050	TALON-G RODENTICIDE BAIT PACK MINI-PELLETS WITH BI	0.00	1.41	1	Brodifacoum	3	NO	NO
Insecticides								
432-1304	TEMPO 10 WP INSECTICIDE	0.02	0.79	622	Cyfluthrin, beta	3	NO	NO
432-1363	TEMPO SC INSECTICIDE	0.14	0.00	547	Cyfluthrin, beta	3	NO	NO
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	0.20	0.00	39	Esfenvalerate	3	NO	NO
352-652	DUPONT ADVION COCKROACH GEL BAIT	0.00	1.44	37	Indoxacarb	3	NO	NO
2724-352	ZOECON RF-291 EMULSIFIABLE CONCENTRATE WITH PRECOR	0.10	0.00	35	S-Methoprene	3	NO	NO
432-763	SUSPEND SC INSECTICIDE	0.01	0.00	4	Deltamethrin	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	0.11	4	Avermectin	3	NO	NO
279-3389	CB-405 FOGGER WB	0.00	3.31	3	Esfenvalerate; N-octyl bicycloheptene dicarboximide; Piperonyl butoxide; Pyrethrins	3	YES	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.00	0.00	2	Esfenvalerate	3	NO	NO
67425-14	ECOPCO ACU	0.00	0.13	2	Phenylethyl propionate	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
1021-1635	SPECKOZ EVERCIDE TOTAL RELEASE AEROSOL	0.00	3.00	1	Esfenvalerate; N-octyl bicycloheptene dicarboximide; Piperonyl butoxide; Pyrethrins	3	YES	NO
Other								
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.03	0.00	7	(7S)- Hydroprene	3	NO	NO

Juvenile Justice

The Department of Juvenile Justice (DJJ) operates three secure detention and 17 non-secure detention facilities located throughout the City that admit over 5,000 youth each year. DJJ contracts out its exterminating services. Table 35 summarizes pesticide use by pesticide type. Table 36 lists all pesticide products used by DJJ in 2009.

Table 35: Types of Pesticides Used by DJJ in 2009

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	43.2	98.3%	145	41.0%
Insecticide	20.2	99.5%	0.8	1.7%	209	59.0%
Other	0.1	0.5%	0.0	0.0%	9	2.5%
Totals	20.3		44.0		354	

Table 36: Pesticide Products Used by DJJ in 2009 by Pesticide Type

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
Rodenticides								
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	23.25	115	Bromadiolone	3	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	8.97	13	Bromadiolone	3	NO	NO
12455-80	DITRAC ALL- WEATHER BLOX	0.00	7.50	10	Diphacinone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	3.50	7	Bromadiolone	3	NO	NO
Insecticides								
1021-1641	SPECKOZ EVERCIDE ESFENVALER ATE EC	0.93	0.00	152	Esfenvalerate	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
499-410	AVERT PRESCRIPTIO N TREATMENT TC 93B BAIT	0.00	0.53	25	Avermectin	3	NO	NO
1021-1641	EVERCIDE RESIDUAL INSECTICIDE CONCENTRAT E 2662	0.19	0.00	13	Esfenvalerate	3	NO	NO
67425-14	ECOPCO ACU	0.00	0.23	8	Phenylethyl propionate	3	NO	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRAT E	0.05	0.00	7	Esfenvalerate	3	NO	NO
397-13	STERI-FAB	19.00	0.00	3	Phenothrin; Isopropyl alcohol; Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride; Didecyl dimethyl ammonium chloride	2	NO	NO
499-406	AVERT PRESCRIPTIO N TREATMENT TC 93A BAIT	0.00	0.00	1	Avermectin	3	NO	NO
Other								
2724-351	ZOECON RF- 259 EMULSIFIABLE CONCENTRAT E	0.11	0.00	9	(7S)-Hydroprene	3	NO	NO

New York Public Libraries

The New York Public Library (NYPL), through its 85 branches libraries services residents in the boroughs of Manhattan, the Bronx and Staten Island. Pest management is provided by private contractors. No data was received for NYPL in 2009.

Parks and Recreation

New York City's has 28,000 acres of parks, playgrounds, athletic fields, natural areas, recreational facilities, comfort stations, beaches, historic buildings, and parkways maintained by the Department of Parks and Recreation (DPR). The major pest issues facing DPR are weeds (including weed shrubs and weed trees) and rodents. Rarer infestations of exotic insect pests and diseases, often targeting trees, also occur. To address these, DPR employs 104 certified pesticide applicators. Herbicides account for the largest share of DPR's total pesticide use. Contractors are hired for pest management when peripheral rodent problems arise on capital projects.

This data includes pesticides applied on all city-owned golf courses. Local Law 37 exempts these locations from pesticide prohibitions. The table also includes the data from sister organizations that operate on DPR property such as zoos, conservancies, and botanic gardens. Table 37 summarizes pesticide use by pesticide type. Table 38 below lists for each pesticide type, all products used, unless there were more than 10, in which case the 10 most frequently applied products are listed. Appendix 2 includes a complete product listing for DPR.

Table 37: Types of Pesticides Used by DPR in 2009

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	2.4	0.0%	781.5	1.9%	1,292	7.7%
Insecticide	216.0	2.7%	11,904.7	29.3%	11,347	67.4%
Herbicide	6,837.6	85.9%	14,808.9	36.4%	3,357	19.9%
Fungicide	879.6	11.1%	13,109.1	32.3%	711	4.2%
Other	24.3	0.3%	40.3	0.1%	127	0.8%
Totals	7,959.9		40,644.4		16,834	

Table 38: Ten Most Frequently Applied Pesticide Products by DPR in 2009 by Pesticide Type

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
Rodenticides								
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	342.74	528	Bromadiolone	3	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	104.06	234	Bromadiolone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	94.69	177	Bromadiolone	3	NO	NO
7173-202	MAKI MINI BLOCKS	0.00	114.64	149	Bromadiolone	3	NO	NO
7173-218	GENERATION MINI BLOCKS	0.18	43.34	65	Difethialone	3	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.00	42.66	39	Bromadiolone	3	NO	NO
12455-69	CONTRAC RODENTICIDE	0.28	0.84	23	Bromadiolone	3	NO	NO
7173-188	MAKI RAT AND MOUSE BAIT PACKS (PELLETS)	0.13	0.13	13	Bromadiolone	3	NO	NO
12455-97	FASTRAC PLACE PACS	0.00	9.19	13	Bromethalin	3	NO	NO
12455-95	FASTRAC ALL-WEATHER BLOX	0.00	10.25	11	Bromethalin	3	NO	NO
Insecticides								
432-1318	MERIT 75 WSP	0.43	1,370.39	10,182	Imidacloprid	3	NO	NO
7946-25	IMICIDE HP	31.46	0.00	332	Imidacloprid	3	NO	NO
73049-20	VECTOLEX CG BIOLOGICAL LARVICIDE	0.00	2,815.00	205	Bacillus sphaericus	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
73049-19	VECTOBAC CG BIOLOGICAL LARVICIDE GRANULES	0.00	2,654.88	151	Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52	3	NO	NO
86330-11	SUNSPRAY 6E PLUS	25.81	0.00	61	Mineral oil	3	NO	NO
70051-2	TRIACT 70	41.30	0.00	27	Neem oil	3	NO	NO
72-574	MILLER HOT SAUCE ANIMAL REPELLENT	0.20	0.00	24	Capsicum oleoresin	3	NO	NO
62719-291	CONSERVE SC TURF AND ORNAMENTAL	0.79	0.00	23	Spinosad	3	NO	NO
2724-476	ENSTAR II INSECT GROWTH REGULATOR (ENSTAR 5E)	0.46	0.00	22	(S)-Kinoprene	2	NO	NO
432-1369	MAJESTY	0.10	0.00	18	Imidacloprid	3	NO	NO
Herbicides								
524-475	ROUNDUP ULTRA HERBICIDE	486.35	189.06	1,221	Glyphosate, isopropylamine salt	3	NO	NO
241-360	LESCO PRE-M 3.3EC TURF HERBICIDE	5.19	1,726.25	365	Pendimethalin	3	YES	NO
241-341	PENDULUM 3.3 EC HERBICIDE	44.10	182.38	317	Pendimethalin	3	YES	NO
62719-542	DIMENSION 2EW	380.99	0.00	283	Dithiopyr	2	NO	NO
62719-517	ACCORD XRT	3,527.85	0.00	227	Glyphosate, isopropylamine salt	3	NO	NO
62719-556	ACCORD XRT II	152.88	0.00	221	Glyphosate, dimethylammonium salt	3	NO	NO
62719-527	GARLON 4 ULTRA	181.95	0.00	182	Triclopyr	2	NO	NO
62719-324	GLYPRO	598.19	0.00	151	Glyphosate, isopropylamine salt	3	NO	NO
62719-176	PATHFINDER II	1,106.42	0.00	83	Triclopyr, butoxyethyl ester	3	NO	NO
100-937	PRIMO MAXX	51.03	76.69	63	Trinexapac-ethyl	3	NO	NO
Fungicides								
100-1093	HERITAGE FUNGICIDE	0.00	88.47	57	Azoxystrobin	3	NO	NO
100-892	ARBOTECT 20-S FUNGICIDE	2.06	219.50	46	Thiabendazole	3	NO	NO
60063-3	LESCO MANICURE ULTRA	0.00	1,987.00	36	Chlorothalonil	2	YES	NO
432-890	ALIETTE WDG BRAND FUNGICIDE	0.00	1,450.44	35	Fosetyl-Al	3	NO	NO
100-796	SUBDUE MAXX	59.07	30.38	33	Mefenoxam	3	NO	NO
50534-202	MANICURE ULTREX TURF & ORNAMENTAL	40.00	821.00	29	Chlorothalonil	1	YES	NO
432-1360	BAYLETON 50 TURF AND ORNAMENTAL FUNGICIDE IN WATER	10.78	242.44	27	Triadimefon	3	YES	YES

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
70299-1	ZEROTOL ALGAECIDE/FUNGI CIDE	31.45	0.00	23	Hydrogen peroxide	1	NO	NO
66222-149	ARMOR TECH CLT 825	0.00	660.50	20	Chlorothalonil	2	YES	NO
7969-224	CURALAN EG	0.00	511.18	19	Vinclozolin	3	YES	YES
Other								
69117-7	PINSCHER PGR	0.15	0.00	76	Dikegulac sodium	3	NO	NO
71096-7	ORTHO BUG-GETA SNAIL & SLUG KILLER 1	0.00	7.25	11	Metaldehyde	3	NO	NO
60061-71	PETTIT MARINE PAINT PREMIUM SINGLE SEASON ABLATIVE	0.00	13.00	10	Copper oxide (ous)	2	NO	NO
100-1014	PACLOBUTRAZOL 2SC	0.00	8.75	10	Paclobutrazol	3	NO	NO
59639-96	DISTANCE INSECT GROWTH REGULATOR	0.29	0.00	8	Pyriproxyfen	3	NO	NO
60061-14	WOOLSEY/Z*SPAR SUPER TOX ANTI-FOULING FINISH B-74	0.00	6.25	5	Copper oxide (ous)	2	NO	NO
100-1014	CAMBISTAT 2SC	0.38	0.00	4	Paclobutrazol	3	NO	NO
73049-15	PROGIBB 4% PLANT GROWTH REGULATOR SOLUTION	0.00	0.00	4	Gibberellins	2	NO	NO
60061-117	PETTIT MARINE PAINT ULTIMA SR ANTIFOULING PAINT	0.00	2.00	2	Copper oxide (ous); Cybutryne	2	NO	NO
1706-179	STABREX ST 70	23.00	0.00	1	Sodium hypochlorite; Sodium bromide	1	NO	NO

Payroll Administration

The Office of Payroll Administration (OPA) is charged with administering the City's payroll and ensuring prompt and accurate payment of employees' wages and salaries. The agency contracts for pest control through the city-wide contract administered by DCAS. Table 39 summarizes pesticide use by pesticide type. Table 40 lists all pesticide products used by OPA in 2009.

Table 39: Types of Pesticides Used by OPA in 2009

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	0.6	91.1%	2	18.2%
Insecticide	0.0	100.0%	0.1	8.9%	9	81.8%
Totals	0.0		0.6		11	

Table 40: Pesticide Products Used by OPA in 2009

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
Rodenticides								
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	0.56	2	Bromadiolone	3	NO	NO
Insecticides								
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	0.01	0.00	6	Esfenvalerate	3	NO	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.02	0.00	2	Esfenvalerate	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	0.06	1	Avermectin	3	NO	NO

Police Department

The Police Department (NYPD) manages 76 precincts, 12 Transit Districts, and nine Housing Police Service Areas. The major pest issues facing its facilities are structural pests. The agency contracts for pest control through the city-wide contract administered by DCAS. Table 41 summarizes pesticide use by pesticide type. Table 42 lists all pesticide products used by NYPD in 2009.

Table 41: Types of Pesticides Used by NYPD in 2009

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	423.4	93.8%	576	37.2%
Insecticide	203.7	99.4%	27.8	6.2%	861	55.6%
Other	1.1	0.6%	0.0	0.0%	112	7.2%
Totals	204.9		451.2		1,549	

Table 42: Pesticide Products Used by NYPD in 2009 by Pesticide Type

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
Rodenticides								
12455-80	DITRAC ALL-WEATHER BLOX	0.00	130.67	152	Diphacinone	3	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	97.12	137	Bromadiolone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	113.94	133	Bromadiolone	3	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	50.14	93	Bromadiolone	3	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.00	31.56	60	Bromadiolone	3	NO	NO

Insecticides

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	3.52	0.00	525	Esfenvalerate	3	NO	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	1.21	0.00	205	Esfenvalerate	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	2.97	49	Avermectin	3	NO	NO
64405-2	REDZONE BAIT	0.00	10.59	35	Boric acid	3	NO	NO
67425-14	ECOPCO ACU	0.00	13.44	20	Phenylethyl propionate	3	NO	NO
397-13	STERI-FAB	199.00	0.50	19	Phenothrin; Isopropyl alcohol; Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride; Didecyl dimethyl ammonium chloride	2	NO	NO
499-406	AVERT PRESCRIPTION TREATMENT TC 93A BAIT	0.00	0.25	7	Avermectin	3	NO	NO
Other								
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.83	0.00	100	(7S)-Hydroprene	3	NO	NO

Probation

The New York City Department of Probation is charged with protecting the community by intervening in the lives of offenders, holding them accountable and serving as a catalyst for positive change. In collaboration with the community and other justice partners they provide information and services to the courts, give victims a voice in the justice system, and help strengthen families. The agency contracts for pest control through the city-wide contract administered by DCAS. Table 43 summarizes pesticide use by pesticide type. Table 44 lists all pesticide products used by DOP in 2009.

Table 43: Types of Pesticides Used by DOP in 2009

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	32.8	99.4%	47	36.4%
Insecticide	0.4	100.0%	0.2	0.6%	82	63.6%
Totals	0.4		33.0		129	

Table 44: Pesticide Products Used by DOP in 2009

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
Rodenticides								
12455-80	DITRAC ALL-WEATHER BLOX	0.00	25.25	33	Diphacinone	3	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	3.56	7	Bromadiolone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	2.63	4	Bromadiolone	3	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	1.31	3	Bromadiolone	3	NO	NO
Insecticides								
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.25	0.00	46	Esfenvalerate	3	NO	NO
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	0.10	0.00	32	Esfenvalerate	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	0.20	4	Avermectin	3	NO	NO

Queens Public Libraries

The Queens Public Library (QPL) manages 64 libraries as well as indoor, outdoor and office facilities. Contractors are hired for pest management as needed and the major pest infestations are roaches and mice. QPL provided no pesticide application data for 2009.

Sanitation

The Department of Sanitation (DSNY) manages garages, office buildings, transfer stations, and various publicly-owned lots throughout the city. DSNY employs two certified pesticide applicators that make routine visits to facilities and responds to emergency calls because of the nature of the agency's work – managing garbage – pest problems are endemic at some facilities. DSNY also contracts for weed control on some of the City's rights-of-way. DSNY began entering data from staff into our NYCPURS system in 2009. Table 45 summarizes pesticide use by pesticide type. Table 46 lists the products used by DSNY.

Table 45: Types of Pesticides Used by DSNY in 2009

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	2.2	1.1%	1,165.2	75.7%	476	31.9%
Insecticide	23.5	11.0%	374.9	24.3%	679	45.4%
Herbicide	187.6	88.0%	0.0	0.0%	339	22.7%
Totals	213.3		1,540.1		1,494	

Table 46: List of Pesticides Applied by DSNY in 2009

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
Rodenticides								
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	1.90	958.93	200	Bromadiolone	3	NO	NO
12455-89	FINAL ALL-WEATHER BLOX	0.16	137.71	165	Brodifacoum	3	NO	NO
12455-76	ZEP TOTAL CONTROL PELLET PACKS TOTAL CONTROL SYSTE	0.05	67.19	105	Bromadiolone	3	NO	NO
12455-76	BLACK LEAF BLITZ READY-TO-USE PLACE PAC	0.14	1.10	4	Bromadiolone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	0.00	1	Bromadiolone	3	NO	NO
12455-79	ZEP TOTAL CONTROL RODENT BLOCKS TOTAL CONTROL SYST	0.00	0.28	1	Bromadiolone	3	NO	NO
Insecticides								
100-1066	DEMAND CS INSECTICIDE	3.36	77.59	231	Cyhalothrin, lambda	3	NO	NO
432-1363	TEMPO SC INSECTICIDE	1.79	34.58	145	Cyfluthrin, beta	3	NO	NO
432-763	SUSPEND SC	0.30	4.03	107	Deltamethrin	3	NO	NO
432-1257	MAXFORCE ROACH BAIT F.05	0.00	62.60	55	Fipronil	3	YES	NO
432-1251	MAXFORCE ROACH CONTROL SYSTEM	18.00	142.80	53	Hydramethylnon	3	YES	YES
73766-1	GOURMET ANT BAIT GEL	0.00	4.20	36	Disodium octaborate tetrahydrate	3	NO	NO
432-1252	MAXFORCE PROFESSIONAL INSECT CONTROL ANT KILLER BA	0.00	33.94	23	Hydramethylnon	3	YES	YES
279-3390	COUNTRY VET ROACH EMBARGO WITH GROWTH INHIBITOR	0.00	13.13	11	Esfenvalerate; Prallethrin; Pyriproxyfen	3	NO	NO
432-1259	MAXFORCE FC SELECT PROF. INSECT CONTROL ROACH KILLER BAIT GEL	0.00	0.40	8	Fipronil	3	YES	NO
499-370	JOHNSON WAX PROFESSIONAL BRAND	0.00	0.56	3	Avermectin	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
	GRANULAR ANT BAIT							
2724-274	GOLDEN MALRIN RF-128 FLY KILLER	0.00	0.63	2	Methomyl; (Z)-9-Tricosene	3	NO	NO
100-1066	BORDER INSECTICIDE	0.00	0.28	2	Cyhalothrin, lambda	3	NO	NO
432-1254	MAXFORCE PROFESSIONAL INSECT CONTROL ROACH KILLER	0.00	0.07	1	Hydramethylnon	3	YES	YES
73766-1	ADIOS ANT KILLER GEL	0.00	0.05	1	Disodium octaborate tetrahydrate	3	NO	NO
432-1313	TEMPO 2 TC INSECTICIDE	0.00	0.00	1	Cyfluthrin	2	NO	NO
Herbicides								
66222-169	VEGETATION MANAGEMENT SFM 75	104.67	0	184	Sulfometuron methyl	3	NO	NO
524-454	ROUNDUP ORIGINAL II HERBICIDE	76.95	0	148	Glyphosate, isopropylamine salt	2	NO	NO
71368-20	NUFARM CREDIT HERBICIDE	6.00	0	7	Glyphosate, isopropylamine salt	3	NO	NO

Taxi and Limousine Commission

The Taxi and Limousine Commission (TLC) licenses and regulates over 50,000 vehicles and approximately 100,000 drivers, performs safety and emissions inspections of the more than 13,000 medallion taxicabs three times each year, and holds numerous hearings for violations of City and TLC rules and regulations, making it the most active taxi and limousine licensing regulatory agency in the United States. The agency contracts for pest control through the city-wide contract administered by DCAS. Table 47 summarizes pesticide use by pesticide type. Table 48 lists all pesticide products used by TLC in 2009.

Table 47: Types of Pesticides Used by TLC in 2009

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	1.5	100.0%	15	23.4%
Insecticide	0.1	100.0%	0.0	0.0%	49	76.6%
Totals	0.1		1.5		64	

Table 48: Pesticide Products Used by TLC in 2009

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
Rodenticides								
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	0.19	6	Bromadiolone	3	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY	0.00	0.16	5	Bromadiolone	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
	TO USE PLACE PAC							
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	0.70	2	Bromadiolone	3	NO	NO
12455-80	DITRAC ALL-WEATHER BLOX	0.00	0.50	2	Diphacinone	3	NO	NO
Insecticides								
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.03	0.00	31	Esfenvalerate	3	NO	NO
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	0.04	0.00	18	Esfenvalerate	3	NO	NO

Transportation

The Department of Transportation (DOT) has a staff of over 4,000 that oversees one of the most complex urban transportation networks in the world. They manage approximately 5,800 miles of streets, sidewalks, and highways and 789 bridge structures, including six tunnels. They operate the Staten Island Ferry, oversee ferry operations on City-owned piers and operate approximately 75 facilities throughout the City. DOT is responsible for pest management at maintenance yards, lots, and agency offices throughout the city, as well as on rights-of-way along city highways. DOT is also contracted by New York State to provide right-of-way maintenance on state highways within city borders. Table 49 summarizes pesticide use by pesticide type. Table 50 lists all pesticide products used by DOT in 2009.

Table 49: Types of Pesticides Used by DOT in 2009

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	131.7	97.9%	253	12.7%
Insecticide	42.5	18.1%	2.9	2.1%	640	32.1%
Herbicide	192.3	81.9%	0.0	0.0%	1,093	54.8%
Other	0.1	0.0%	0.0	0.0%	9	0.5%
Totals	234.9		134.6		1,995	

Table 50: Pesticide Products Used by DOT in 2009

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
Rodenticides								
12455-80	DITRAC ALL-WEATHER BLOX	0.00	72.38	115	Diphacinone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	30.98	53	Bromadiolone	3	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	12.02	38	Bromadiolone	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	21.59	35	Bromadiolone	3	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.00	4.13	12	Bromadiolone	3	NO	NO
Insecticides								
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	1.77	0.00	449	Esfenvalerate	3	NO	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.71	0.00	157	Esfenvalerate	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	0.57	17	Avermectin	3	NO	NO
67425-14	ECOPCO ACU	0.00	1.84	11	Phenylethyl propionate	3	NO	NO
64405-2	REDZONE BAIT	0.00	0.47	3	Boric acid	3	NO	NO
397-13	STERI-FAB	40.00	0.00	2	Phenothrin; Isopropyl alcohol; Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride; Didecyl dimethyl ammonium chloride	2	NO	NO
Herbicides								
228-397	RIVERDALE VANQUISH HERBICIDE	74.81	0.00	402	Dicamba, diglycolamine salt	3	NO	NO
62719-556	ACCORD XRT II	67.44	0.00	265	Glyphosate, dimethylammoniu m salt	3	NO	NO
352-622	DUPONT OUST EXTRA HERBICIDE	6.83	0.00	253	Sulfometuron methyl; Metsulfuron-methyl	3	NO	NO
62719-176	PATHFINDER II	41.14	0.00	163	Triclopyr, butoxyethyl ester	3	NO	NO
62719-527	GARLON 4 ULTRA	2.07	0.00	8	Triclopyr	2	NO	NO
352-607	DUPONT GLYPHOSATE HERBICIDE	0.04	0.00	2	Glyphosate, isopropylamine salt	2	NO	NO
Other								
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.06	0.00	9	(7S)-Hydroprene	3	NO	NO

Youth and Community Development

The Department of Youth and Community Development (DYCD) provides the City of New York with high-quality youth and family programming. The central task of DYCD is administering available City, state, and federal funds to effective community-based organizations. Table 51 summarizes pesticide use by pesticide type. Table 52 lists all pesticide products used by DYCD in 2009.

Table 51: Types of Pesticides Used by DYCD in 2009

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	1.3	96.0%	4	18.2%
Insecticide	0.1	100.0%	0.1	4.0%	18	81.8%
Totals	0.1		1.4		22	

Table 52: Pesticide Products Used by DYCD in 2009

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
Rodenticides								
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	1.31	4	Bromadiolone	3	NO	NO
Insecticides								
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	0.04	0.00	12	Esfenvalerate	3	NO	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.03	0.00	5	Esfenvalerate	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	0.06	1	Avermectin	3	NO	NO

Appendix 1
 Complete listing of pesticide products used by New York City Agencies by
 Pesticide Type

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox. Cat.	EPA Carcin	CA Dev. Toxin
Rodenticides								
100-1050	TALON-G RODENTICIDE BAIT PACK MINI-PELLETS WITH BI	87.00	3,463.67	15004	Brodifacoum	3	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.50	6,285.23	7404	Bromadiolone	3	NO	NO
12455-79	CONTRAC ALL- WEATHER BLOX	0.17	6,300.05	6545	Bromadiolone	3	NO	NO
7173-218	GENERATION MINI BLOCKS	0.23	1,055.19	2824	Difethialone	3	NO	NO
100-1055	WEATHERBLOK BAIT WITH BITREX	0.00	609.64	2047	Brodifacoum	3	NO	NO
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	730.47	1987	Difethialone	3	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	764.18	1842	Bromadiolone	3	NO	NO
12455-80	DITRAC ALL- WEATHER BLOX	0.00	1,579.19	1446	Diphacinone	3	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	1.90	1,588.08	1166	Bromadiolone	3	NO	NO
7173-202	MAKI MINI BLOCKS	0.02	536.58	954	Bromadiolone	3	NO	NO
12455-56	DITRAC TRACKING POWDER	0.02	410.29	948	Diphacinone	2	NO	NO
7173-208	MAKI RODENTICIDE BAIT PACKS (PELLETS)	0.00	716.80	899	Bromadiolone	3	NO	NO
12455-89	FINAL ALL-WEATHER BLOX	0.18	160.30	203	Brodifacoum	3	NO	NO
12455-79	ZEP TOTAL CONTROL RODENT BLOCKS TOTAL CONTROL SYST	0.00	165.53	194	Bromadiolone	3	NO	NO
100-1057	TALON-G RODENTICIDE MINI- PELLETS WITH BITREX	0.00	111.78	135	Brodifacoum	3	NO	NO
12455-95	FASTRAC ALL- WEATHER BLOX	0.00	135.76	134	Bromethalin	3	NO	NO
12455-76	ZEP TOTAL CONTROL PELLET PACKS TOTAL CONTROL SYSTE	0.05	67.19	105	Bromadiolone	3	NO	NO
7173-188	MAKI RAT AND MOUSE BAIT PACKS (PELLETS)	0.13	282.43	86	Bromadiolone	3	NO	NO
12455-5	DITRAC ALL- WEATHER CAKE	0.00	431.91	79	Diphacinone	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox. Cat.	EPA Carcin	CA Dev. Toxin
7173-258	D-CON BAIT PASTE POUCHES	0.00	1.65	63	Difethialone	3	NO	NO
12455-16	ZP TRACKING POWDER	0.00	10.56	34	Zinc phosphide	2	NO	NO
12455-100	FASTRAC MOUSE SEED PLACE PAC	0.00	3.79	28	Bromethalin	3	NO	NO
12455-69	CONTRAC RODENTICIDE	0.28	2.36	27	Bromadiolone	3	NO	NO
7173-113	ROZOL TRACKING POWDER	0.00	3.74	26	Chlorophacinone	2	NO	NO
56-42	BAIT BLOCK RODENTICIDE WITH PEANUT BUTTER FLAVORIZ	0.00	15.55	13	Diphacinone	3	NO	NO
12455-97	FASTRAC PLACE PACS	0.00	9.19	13	Bromethalin	3	NO	NO
3240-28	QUINTOX MOUSE SEED READY-TO-USE PLACE PAC	0.00	0.95	12	Cholecalciferol	3	NO	NO
7173-172	ROZOL BLUE TRACKING POWDER	0.00	4.88	9	Chlorophacinone	2	NO	NO
56-42	EATON'S ALL-WEATHER BAIT BLOCKS RODENTICIDE WITH M	1.23	0.00	8	Diphacinone	3	NO	NO
12455-90	FINAL RODENTICIDE	0.00	3.80	8	Brodifacoum	3	NO	NO
432-748	GOLD CREST VENGEANCE RODENTICIDE SMALL BAIT PACKS	0.00	1.63	5	Bromethalin	3	NO	NO
12455-76	BLACK LEAF BLITZ READY-TO-USE PLACE PAC	0.14	1.10	4	Bromadiolone	3	NO	NO
7173-151	ROZOL PELLETS	0.00	250.00	2	Chlorophacinone	3	NO	NO
12455-36	CONTRAC RAT AND MOUSE BAIT	0.00	140.00	2	Bromadiolone	3	NO	NO
100-1051	TALON-G RODENTICIDE BAIT PACK PELLETS WITH BITREX	0.00	3.13	2	Brodifacoum	3	NO	NO
12455-39	QUINTOX RAT AND MOUSE BAIT	0.00	1.56	2	Cholecalciferol	3	NO	NO
12455-9	DIPHACINONE CONCENTRATE	0.00	0.20	2	Diphacinone	2	NO	NO
56-58	EATON'S AC FORMULA 90 RODENTICIDE	0.00	0.14	2	Chlorophacinone	3	NO	NO
12455-97	TOMCAT QUICKSTRIKE PELLETTED BAIT	1.80	0.00	1	Bromethalin	3	NO	NO
7173-213	MAKI PELLETS PLACEPACKS	0.00	2.50	1	Bromadiolone	3	NO	NO
3240-42	RAMPAGE RAT & MOUSE BAIT	0.00	0.06	1	Cholecalciferol	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox. Cat.	EPA Carcin	CA Dev. Toxin
67517-66	JTEATON BROMETHALIN ALL WEATHER BAIT BLOCKS RODENT	0.00	0.00	1	Bromethalin	2	NO	NO
67517-72	ASSAULT MOUSE/RAT PLACE PACK	0.00	0.00	1	Bromethalin	3	NO	NO
Insecticides								
432-763	SUSPEND SC INSECTICIDE	299.92	0.22	18,438	Deltamethrin	3	NO	NO
432-1318	MERIT 75 WSP	0.43	1,370.39	10,182	Imidacloprid	3	NO	NO
352-652	DUPONT ADVION COCKROACH GEL BAIT	2.29	242.12	6,613	Indoxacarb	3	NO	NO
64405-2	REDZONE BAIT	4.02	1,139.36	4,647	Boric acid	3	NO	NO
499-304	WHITMIRE OPTEM ME PT 600	75.32	0.94	4,162	Cyfluthrin	3	NO	NO
73049-20	VECTOLEX CG BIOLOGICAL LARVICIDE	2.35	41,768.12	3,900	Bacillus sphaericus	3	NO	NO
397-13	STERI-FAB	1,244.72	0.50	3,119	Phenothrin; Isopropyl alcohol; Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride; Didecyl dimethyl ammonium chloride	2	NO	NO
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	30.34	1.95	3,054	Esfenvalerate	3	NO	NO
432-1259	MAXFORCE FC SELECT PROF. INSECT CONTROL ROACH KILLER BAIT GEL	0.08	169.21	2,346	Fipronil	3	YES	NO
432-1460	MAXFORCE FC ROACH KILLER BAIT GEL F.05	0.00	81.50	2,245	Fipronil	3	YES	NO
67425-14	ECOPCO ACU	76.22	123.72	2,137	Phenylethyl propionate	3	NO	NO
279-3384	ROACH KIL COMMERCIAL	0.00	653.28	1,385	Boric acid	3	NO	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	7.29	0.03	1,243	Esfenvalerate	3	NO	NO
432-763	SUSPEND SC	288.49	4.03	1,220	Deltamethrin	3	NO	NO
499-384	WHITMIRE PT 240 PERMA-DUST INSECTICIDE	25.19	2.06	1,124	Boric acid	3	NO	NO
499-507	PRESCRIPTION TREATMENT BRAND ADVANCE COCKROACH GEL BAIT RESERVOIR	0.20	53.98	1,070	Dinotefuran	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox. Cat.	EPA Carcin	CA Dev. Toxin
73049-19	VECTOBAC CG BIOLOGICAL LARVICIDE GRANULES	0.00	35,497.86	993	Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52	3	NO	NO
432-1257	MAXFORCE ROACH BAIT F.05	0.00	246.83	942	Fipronil	3	YES	NO
432-1363	TEMPO SC INSECTICIDE	188.12	34.58	933	Cyfluthrin, beta	3	NO	NO
432-1304	TEMPO 10 WP INSECTICIDE	72.36	6.39	911	Cyfluthrin, beta	3	NO	NO
73766-1	GOURMET ANT BAIT GEL	0.11	25.88	767	Disodium octaborate tetrahydrate	3	NO	NO
100-1066	DEMAND CS INSECTICIDE	102.94	78.09	636	Cyhalothrin, lambda	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	52.83	507	Avermectin	3	NO	NO
499-497	MOTHEREARTH PROCITRA-DL	22.74	1.20	458	Limonene	3	NO	NO
432-1262	MAXFORCE IBH10	0.00	59.26	453	Hydramethylnon	3	YES	YES
7946-25	IMICIDE HP	31.46	0.00	332	Imidacloprid	3	NO	NO
9444-132	MOP UP	0.50	222.31	302	Disodium octaborate tetrahydrate	3	NO	NO
432-1251	MAXFORCE ROACH CONTROL SYSTEM	18.00	145.28	184	Hydramethylnon	3	YES	YES
1021-1815	EVERCIDE ESFENVALERATE 6.4% CS	0.13	12.11	182	Esfenvalerate	3	NO	NO
499-492	PRESCRIPTION TREATMENT BRAND 388B ADVANCE ANT GEL BAIT	0.06	5.53	147	Borax	3	NO	NO
432-772	ZEP TOTAL CONTROL INSECT POWDER TOTAL CONTROL SYST	0.00	37.92	138	Deltamethrin	3	NO	NO
432-1254	MAXFORCE PROFESSIONAL INSECT CONTROL ROACH KILLER	0.15	5.59	124	Hydramethylnon	3	YES	YES
352-668	DUPONT ADVION COCKROACH BAIT ARENA	0.02	3.91	124	Indoxacarb	3	NO	NO
73079-2	INTICE GRANULAR BAIT	0.00	14.29	117	Boric acid	3	NO	NO
499-294	AVERT PRESCRIPTION TREATMENT 310	0.00	11.67	111	Avermectin	3	NO	NO
499-406	AVERT PRESCRIPTION TREATMENT TC 93A BAIT	0.00	6.46	84	Avermectin	3	NO	NO
279-3385	DRAX ANT KILL GEL	0.00	4.60	81	Boric acid	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox. Cat.	EPA Carcin	CA Dev. Toxin
9444-217	CB INSECTICIDE WITH DELTAMETHRIN	6.18	4.06	71	Deltamethrin	3	NO	NO
86330-11	SUNSPRAY 6E PLUS	25.81	0.00	61	Mineral oil	3	NO	NO
6218-47	SUMMIT B.T.I. BRIQUETS	0.00	236.79	46	Bacillus thuringiensis subspecies israelensis strain BMP 144	3	NO	NO
432-1264	MAXFORCE FC ANT KILLER BAIT GEL	0.00	2.44	45	Fipronil	3	YES	NO
352-746	DUPONT ADVION ANT GEL	0.00	1.82	44	Indoxacarb	3	NO	NO
1677-191	ECO2000-GR	0.00	20.94	43	Boric acid	3	NO	NO
64405-2	ECOLOGICAL ANT & INSECT BAIT	0.00	81.38	41	Boric acid	3	NO	NO
432-1252	MAXFORCE PROFESSIONAL INSECT CONTROL ANT KILLER BA	0.00	34.27	41	Hydramethylnon	3	YES	YES
2724-375	ALTOSID BRIQUETS	0.00	21.46	41	S-Methoprene	3	NO	NO
2724-352	ZOECON RF-291 EMULSIFIABLE CONCENTRATE WITH PRECOR	0.10	0.00	35	S-Methoprene	3	NO	NO
2724-484	GENTROL AEROSOL (FOR PROFESSIONAL USE ONLY)	0.66	0.63	34	(7S)-Hydroprene	3	NO	NO
1021-1603	NYLAR 10EC	27.63	0.00	31	Pyriproxyfen	3	NO	NO
432-1255	MAXFORCE GRANULAR INSECT BAIT	0.00	6.13	31	Hydramethylnon	3	YES	YES
499-370	JOHNSON WAX PROFESSIONAL BRAND GRANULAR ANT BAIT	0.00	2.30	31	Avermectin	3	NO	NO
1677-196	ECO 2000-XP FRESHBAIT	0.00	2.89	29	Boric acid	3	NO	NO
499-496	PRESCRIPTION TREATMENT BRAND ADVANCE 360A DUAL CHOICE ANT BAIT STATIONS	0.00	4.32	28	Avermectin	3	NO	NO
70051-2	TRIACT 70	41.30	0.00	27	Neem oil	3	NO	NO
499-470	WHITMIRE MICRO-GEN TC 198	1.38	8.31	27	Cyfluthrin	3	NO	NO
432-1145	KICKER	14.26	0.02	25	Pyrethrins; Piperonyl butoxide	3	YES	NO
2724-476	ENSTAR II INSECT GROWTH REGULATOR (ENSTAR 5E)	0.96	0.00	24	(S)-Kinoprene	2	NO	NO
72-574	MILLER HOT SAUCE ANIMAL REPELLENT	0.20	0.00	24	Capsicum oleoresin	3	NO	NO
73079-1	INTICE SWEET ANT GEL	0.00	0.44	24	Boric acid	3	NO	NO
62719-291	CONSERVE SC TURF AND ORNAMENTAL	0.79	0.00	23	Spinosad	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox. Cat.	EPA Carcin	CA Dev. Toxin
499-370	PT 370 ASCEND FIRE ANT STOPPER BAIT	0.00	17.78	21	Avermectin	3	NO	NO
1677-195	ECO2000-RX FRESHBAIT	0.00	1.06	21	Boric acid	3	NO	NO
499-306	WHITMIRE TALSTAR PT 1800 TOTAL RELEASE INSECTICIDE	0.03	0.47	19	Bifenthrin	3	YES	NO
9688-190	SPECTRACIDE DESTROYER BRAND WASP & HORNET KILLER	1.12	0.00	18	Cyhalothrin, lambda; Prallethrin	3	NO	NO
432-1369	MAJESTY	0.10	0.00	18	Imidacloprid	3	NO	NO
64405-2	LEGS UP! INDOOR GRANULAR BAIT	0.00	1.81	18	Boric acid	3	NO	NO
42750-153	BENEFIT 60 WP	0.00	10.41	17	Imidacloprid	3	NO	NO
432-1256	MAXFORCE FC ANT BAIT STATIONS	0.00	0.68	17	Fipronil	3	YES	NO
82074-1	MYCOTROL ES	2.14	0.00	16	Beauveria bassiana GHA	3	NO	NO
1021-1641	EVERCIDE RESIDUAL INSECTICIDE CONCENTRATE 2662	0.19	0.31	16	Esfenvalerate	3	NO	NO
2724-469	ZOECON (S)-HYDROPRENE ROACH CONTROL STATION II	0.02	0.94	15	(7S)-Hydroprene	3	NO	NO
73079-7	INTICE (TM) LIQUID BAIT	0.00	1.88	15	Borax	3	NO	NO
1021-1767	ENFORCERS BEDBUG SPRAY	1.20	0.00	14	Phenothrin; N-octyl bicycloheptene dicarboximide	3	YES	NO
432-1447	MERIT TREE INJECTION	0.19	0.00	13	Imidacloprid	3	NO	NO
67425-15	EcoPco AR/X	0.00	0.27	13	Pyrethrins; Phenylethyl propionate	3	YES	NO
100-896	AVID 0.15 EC MITICIDE/INSECTICIDE	0.59	0.00	12	Avermectin	2	NO	NO
432-992	DRIONE INSECTICIDE	0.00	4.89	12	Pyrethrins; Piperonyl butoxide; Silica gel	3	YES	NO
8033-94	TRISTAR 30 SG INSECTICIDE	0.00	0.77	11	Acetamiprid	3	NO	NO
432-1318	QUALI-PRO IMIDACLOPRID 75 WSB	0.00	28.61	11	Imidacloprid	3	NO	NO
279-3390	COUNTRY VET ROACH EMBARGO WITH GROWTH INHIBITOR	0.00	13.13	11	Esfenvalerate; Prallethrin; Pyriproxyfen	3	NO	NO
54452-2	STAPELTON'S MAGNETIC ROACH FOOD M.R.F. 2000 - PAST	0.00	1.88	11	Boric acid	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox. Cat.	EPA Carcin	CA Dev. Toxin
49538-3	PHYTON 27 NEW DIMENSION	13.06	0.00	10	Copper sulfate (pentahydrate)	3	NO	NO
499-362	WHITMIRE PT 515 WASP FREEZE	0.00	8.81	10	Phenothrin; D-trans Allethrin	3	YES	NO
9444-183	INTRUDER RESIDUAL WITH CYFLUTHRIN	0.00	3.84	10	Cyfluthrin; Pyrethrins; Piperonyl butoxide	3	YES	NO
432-772	DELTA DUST	0.00	2.28	10	Deltamethrin	3	NO	NO
11556-145	TEMPO SC ULTRA PEST CONTROL CONCENTRATE	0.00	0.21	10	Cyfluthrin, beta	3	NO	NO
100-1088	SCIMITAR GC INSECTICIDE	9.42	0.00	8	Cyhalothrin, lambda	3	NO	NO
655-798	PRENTOX EXCITE (R)	3.88	0.06	8	Pyrethrins; Piperonyl butoxide	3	YES	NO
73049-46	FORAY 48BC	1.97	0.00	8	Bacillus thuringiensis, subsp. Kurstaki, strain ABTS-351, fermentation solids and solubles	3	NO	NO
73049-11	VECTOBAC - AS	1.75	0.00	8	Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52	3	NO	NO
59639-96	DISTANCE INSECT GROWTH REGULATOR	0.29	0.00	8	Pyriproxyfen	3	NO	NO
70051-27	AZANTIN XL BIOLOGICAL INSECTICIDE	0.22	0.00	8	Azadirachtin	3	NO	NO
400-508	FLORAMITE SC	0.19	0.00	8	Bifenazate	3	NO	NO
1021-1688	ANVIL 10+10 ULV	0.00	153.04	8	Phenothrin; Piperonyl butoxide	3	YES	NO
499-515	MOTHEREARTH GRANULAR SCATTER BAIT	0.00	1.00	8	Boric acid	3	NO	NO
66222-19	QUALI-PRO CHLORPYRIFOS 4E	14.16	0.00	7	Chlorpyrifos	2	NO	NO
42750-115	IMIDIPRO SYSTEMIC INSECTICIDE	6.84	0.00	7	Imidacloprid	3	NO	NO
432-1402	DECATHLON 20 WP GREENHOUSE AND NURSERY INSECTICIDE	0.00	0.62	7	Cyfluthrin	3	NO	NO
67760-99	PROAXIS EX	0.87	2.25	6	Cyhalothrin, gamma	3	NO	NO
279-3206	TALSTAR TC FLOWABLE TERMITICIDE/INSECTICIDE	0.07	2.19	6	Bifenthrin	3	YES	NO
655-802	PRENTOX LARVA-LUR CONTAINS PROPOXUR	0.00	5.02	6	Propoxur	3	YES	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox. Cat.	EPA Carcin	CA Dev. Toxin
47000-73	SSI-50 INSECTICIDE	0.00	2.31	6	Pyrethrins; Piperonyl butoxide; N-octyl bicycloheptene dicarboximide	3	YES	NO
279-3287	FLONICAMID 50SG INSECTICIDE	0.00	1.77	6	Flonicamid	3	NO	NO
73079-5	INTICE ROACH BAIT	0.00	0.36	6	Boric acid	3	NO	NO
100-1218	DEMON MAX INSECTICIDE	0.00	0.15	6	Cypermethrin, beta	2	YES	NO
499-452	ULD BP-100 INSECTICIDE	0.72	1.31	5	Pyrethrins; Piperonyl butoxide; N-octyl bicycloheptene dicarboximide	3	YES	NO
279-3081	CYNOFF EC INSECTICIDE	0.02	0.00	5	Cypermethrin, beta	3	YES	NO
48813-1	SUFFOIL-X	0.97	0.00	4	NULL	3	NO	NO
149-8	TERRO ANT KILLER II	0.09	0.06	4	Borax	3	NO	NO
499-444	WHITMIRE MICRO-GEN TC 164	0.03	0.44	4	Pyrethrins; Piperonyl butoxide	3	YES	NO
228-588	MALLET 75 WP	0.00	21.20	4	Imidacloprid	3	NO	NO
2724-274	GOLDEN MALRIN RF-128 FLY KILLER	0.00	0.91	4	Methomyl; (Z)-9-Tricosene	3	NO	NO
48813-1	SAF-T-SIDE FOR CITRUS SAF-T-SIDE FOR ORNAMENTALS S	6.00	0.00	3	NULL	3	NO	NO
279-3155	TALSTAR NURSERY FLOWABLE INSECTICIDE/MITICIDE	2.80	6.56	3	Bifenthrin	3	YES	NO
62719-515	M-PEDE INSECTICIDE/FUNGICIDE	2.50	0.00	3	Potassium laurate	2	NO	NO
73049-38	VECTOBAC 12AS BIOLOGICAL LARVICIDE	0.88	0.00	3	Bacillus thuringiensis, subsp. israelensis, strain AM 65-52	3	NO	NO
36488-45	INSECTICIDAL SOAP 49.52 CF	0.20	0.00	3	Potassium laurate	2	NO	NO
67425-4	ECOPCO AC CONTACT INSECTICIDE	0.14	0.00	3	Eugenol; Phenylethyl propionate	3	NO	NO
71711-4	SEPRO AKARI 5SC MITICIDE/INSECTICIDE	0.13	0.00	3	Fenpyroximate	2	NO	NO
9198-167	ANDERSONS GOLF PRODUCTS INSECTICIDE III	0.00	1,048.00	3	Chlorpyrifos	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox. Cat.	EPA Carcin	CA Dev. Toxin
279-3389	CB-405 FOGGER WB	0.00	3.31	3	Esfenvalerate; N-octyl bicycloheptene dicarboximide; Piperonyl butoxide; Pyrethrins	3	YES	NO
279-3153	FIRSTLINE TERMITE BAIT STATION	0.00	0.28	3	Sulfluramid	3	NO	NO
19713-123	DAMOIL DORMANT & SUMMER SPRAY OIL	23.00	0.00	2	Kerosene	3	NO	NO
432-1289	DYLOX 80 TURF AND ORNAMENTAL INSECTICIDE	10.00	20.00	2	Trichlorfon	2	YES	NO
62719-471	MACH 2 2SC	9.50	0.00	2	Halofenozide	3	NO	NO
499-384	JOHNSON WAX PROFESSIONAL BRAND BORIC ACID PRESSURI	2.95	0.00	2	Boric acid	3	NO	NO
432-1338	TEMPO 20 WP GOLF COURSE INSECTICIDE	0.38	5.63	2	Cyfluthrin	3	NO	NO
10404-66	LESCO HORTICULTURAL OIL INSECTICIDE	0.35	0.00	2	Petroleum distillates	3	NO	NO
499-437	WHITMIRE PT 2120 TR PRECLUDE	0.03	0.00	2	Fenoxycarb	3	YES	NO
432-1457	MERIT FXT TABLET INSECTICIDE	0.00	1.54	2	Imidacloprid	3	NO	NO
6218-47	ANTI-MOS BRIQUETS	0.00	0.69	2	Bacillus thuringiensis subspecies israelensis strain BMP 144	3	NO	NO
64405-8	SPECTRACIDE TERMINATE TERMITE & CARPENTER ANT KILL	0.00	0.31	2	Disodium octaborate tetrahydrate	3	NO	NO
100-1066	BORDER INSECTICIDE	0.00	0.28	2	Cyhalothrin, lambda	3	NO	NO
279-3386	DRAX ANT KIL-PF	0.00	0.09	2	Boric acid	3	NO	NO
51036-32	PARATHION 15 WP	2.60	0.00	1	Parathion	1	YES	NO
499-462	PRO-CONTROL FOGGER IV	0.23	0.00	1	Cyfluthrin; Pyrethrins; Piperonyl butoxide	3	YES	NO
499-519	TC 232 W&H	0.11	0.00	1	Limonene	3	NO	NO
66222-40	PEDESTAL	0.03	0.00	1	Novaluron	3	NO	NO
66222-210	ABAMECTIN 0.15 EC TNO	0.01	0.00	1	Avermectin	2	NO	NO
655-489	PRENTOX PYRONYL CROP SPRAY	0.00	0.00	1	Pyrethrins; Piperonyl butoxide	3	YES	NO
432-1339	GRUBEX	0.00	3,550.00	1	Imidacloprid	3	NO	NO
432-1349	THE ANDERSONS PROFESSIONAL TURF PRODUCTS FERTILIZE	0.00	300.00	1	Imidacloprid	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox. Cat.	EPA Carcin	CA Dev. Toxin
73049-73	PYRETHRUM EXTRACT HR.	0.00	40.00	1	Pyrethrins	3	YES	NO
432-1464	DYLOX 420 SL TURF AND ORNAMENTAL INSECTICIDE	0.00	8.80	1	Trichlorfon	3	YES	NO
279-3156	LESCO CROSSCHECK PLUS GC INSECTICIDE/MITECIDE	0.00	5.00	1	Bifenthrin	3	YES	NO
1021-1635	SPECKOZ EVERCIDE TOTAL RELEASE AEROSOL	0.00	3.00	1	Esfenvalerate; N-octyl bicycloheptene dicarboximide; Piperonyl butoxide; Pyrethrins	3	YES	NO
53871-3	STIMUKIL FLY BAIT	0.00	0.63	1	Methomyl; (Z)-9-Tricosene	3	NO	NO
432-1418	ALLECTUS 0.18 G PLUS TURF FERTILIZER INSECTICIDE	0.00	0.50	1	Bifenthrin; Imidacloprid	3	YES	NO
279-3393	CB-80-1 FOR INSECT CONTROL	0.00	0.38	1	Pyrethrins; Piperonyl butoxide	3	YES	NO
73049-39	DIPEL DF DRY FLOWABLE BIOLOGICAL INSECTICIDE	0.00	0.30	1	Bacillus thuringiensis, subsp. Kurstaki, strain ABTS-351, fermentation solids and solubles	3	NO	NO
1021-1424	PYROCIDE FOGGING CONCENTRATE 7338	0.00	0.13	1	Pyrethrins; Piperonyl butoxide; N-octyl bicycloheptene dicarboximide	3	YES	NO
241-313	SIEGE PBS GEL INSECTICIDE	0.00	0.07	1	Hydramethylnon	3	YES	YES
432-1301	TEMPO 20 WP IN WATER SOLUBLE PACKETS	0.00	0.06	1	Cyfluthrin	3	NO	NO
499-509	WHITMIRE DE 1606	0.00	0.06	1	Diatomaceous earth	3	NO	NO
8848-20205	BLACK JACK BORIC ACID POWDER ROACH KILLER	0.00	0.06	1	Boric acid	3	NO	NO
432-1375	PRE-EMPT FLY BAIT	0.00	0.05	1	Imidacloprid	3	NO	NO
73766-1	ADIOS ANT KILLER GEL	0.00	0.05	1	Disodium octaborate tetrahydrate	3	NO	NO
432-1258	MAXFORCE LARGE ROACH BAIT F.03	0.00	0.04	1	Fipronil	3	YES	NO
432-1377	TEMPO ULTRA WSP	0.00	0.03	1	Cyfluthrin, beta	3	NO	NO
432-469	BAYGON TRANSPARENT EMULSION CONCENTRATE 5	0.00	0.03	1	Propoxur	2	YES	NO
432-1265	MAXFORCE IBH11	0.00	0.02	1	Hydramethylnon	3	YES	YES

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox. Cat.	EPA Carcin	CA Dev. Toxin
499-459	MICRO-GEN ANT REACTOR	0.00	0.01	1	Sulfluramid	3	NO	NO
432-1313	TEMPO 2 TC INSECTICIDE	0.00	0.00	1	Cyfluthrin	2	NO	NO
Herbicides								
524-475	ROUNDUP ULTRA HERBICIDE	548.92	189.06	1282	Glyphosate, isopropylamine salt	3	NO	NO
62719-556	ACCORD XRT II	220.32	0.00	486	Glyphosate, dimethylammonium salt	3	NO	NO
228-397	RIVERDALE VANQUISH HERBICIDE	74.81	0.00	402	Dicamba, diglycolamine salt	3	NO	NO
241-360	LESCO PRE-M 3.3EC TURF HERBICIDE	5.19	1,726.25	365	Pendimethalin	3	YES	NO
241-341	PENDULUM 3.3 EC HERBICIDE	44.10	182.38	317	Pendimethalin	3	YES	NO
62719-542	DIMENSION 2EW	387.78	0.00	290	Dithiopyr	2	NO	NO
352-622	DUPONT OUST EXTRA HERBICIDE	6.83	0.00	253	Sulfometuron methyl; Metsulfuron-methyl	3	NO	NO
62719-176	PATHFINDER II	1,147.56	0.00	246	Triclopyr, butoxyethyl ester	3	NO	NO
62719-517	ACCORD XRT	3,527.85	0.00	227	Glyphosate, isopropylamine salt	3	NO	NO
62719-527	GARLON 4 ULTRA	184.02	0.00	190	Triclopyr	2	NO	NO
66222-169	VEGETATION MANAGEMENT SFM 75	104.67	0.00	184	Sulfometuron methyl	3	NO	NO
62719-324	GLYPRO	598.19	0.00	151	Glyphosate, isopropylamine salt	3	NO	NO
524-454	ROUNDUP ORIGINAL II HERBICIDE	76.95	0.00	148	Glyphosate, isopropylamine salt	2	NO	NO
100-937	PRIMO MAXX	51.03	76.69	63	Trinexapac-ethyl	3	NO	NO
71995-25	ROUNDUP WEED & GRASS KILLER SUPER CONCENTRATE	31.33	0.00	42	Glyphosate, isopropylamine salt	3	NO	NO
228-366	RAZOR HERBICIDE	4.09	0.00	37	Glyphosate, isopropylamine salt	3	NO	NO
228-635	LESCO REGIMAX PGR PLANT GROWTH REGULATOR	6.51	0.00	36	Trinexapac-ethyl	3	NO	NO
62719-40	GARLON 4	76.93	0.00	24	Triclopyr, butoxyethyl ester	3	NO	NO
524-343	ROUNDUP CUSTOM HERBICIDE	0.79	0.00	11	Glyphosate, isopropylamine salt	3	NO	NO
82052-1	AVENGER WEED KILLER CONCENTRATE	14.88	0.00	8	Limonene	3	NO	NO
432-950	ACCLAIM EXTRA HERBICIDE	3.89	17.38	8	Fenoxaprop-P (+)	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox. Cat.	EPA Carcin	CA Dev. Toxin
524-517	ACCORD XL HERBICIDE	2.56	0.00	8	Glyphosate, isopropylamine salt	3	NO	NO
62719-445	DIMENSION* ULTRA 40WP	0.00	53.75	8	Dithiopyr	3	NO	NO
66330-276	DICAMBA DMA 4# AG	0.00	27.75	8	Dicamba, dimethylamine salt	2	NO	NO
71368-20	NUFARM CREDIT HERBICIDE	6.00	0.00	7	Glyphosate, isopropylamine salt	3	NO	NO
228-635	NUFARM T-PAC SPC MEC PLANT GROWTH REGULATOR	1.80	7.11	7	Trinexapac-ethyl	3	NO	NO
62719-137	SPRING CRABGRASS CONTROL	0.00	2,000.00	7	Benfluralin; Trifluralin	3	YES	NO
9198-237	THE ANDERSONS WEED & GRASS PREVENTER WITH 5% TRAMM	0.00	360.00	7	Trifluralin	3	YES	NO
432-1230	PROXY GROWTH REGULATOR	28.60	40.00	6	Ethephon	1	NO	NO
2217-543	TRIMEC HERBICIDE	4.04	0.00	5	2,4-D, dimethylamine salt; MCP-P, dimethylamine salt; Dicamba, dimethylamine salt	1	NO	NO
83220-1	EJECT SELECTIVE INJECTION HERBICIDE CAPSULES	0.00	4.00	5	Glyphosate, isopropylamine salt	3	NO	NO
352-395	DUPONT KRENITE S BRUSH CONTROL AGENT	46.70	0.00	4	Fosamine, ammonium salt	3	NO	NO
524-454	CORNERSTONE PLUS	27.89	0.00	4	Glyphosate, isopropylamine salt	2	NO	NO
10404-43	LESCO THREE-WAY SELECTIVE HERBICIDE	25.70	0.00	4	2,4-D, dimethylamine salt; Dicamba, dimethylamine salt; MCP-P, dimethylamine salt	1	NO	NO
66330-293	LESCO T-STORM FLOWABLE TURF & ORNAMENTAL FUNGICIDE	9.14	0.00	4	Thiophanate-methyl	3	YES	YES
9198-213	THE ANDERSONS 0.25% GRANULAR DITHIOPYR HERBICIDE	0.00	7,075.00	4	Dithiopyr	3	NO	NO
961-405	LEBANON TRIFLURALIN G-5	0.00	68.75	4	Trifluralin	3	YES	NO
81880-1	SEDGEHAMMER	0.00	0.06	4	Halosulfuron-methyl	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox. Cat.	EPA Carcin	CA Dev. Toxin
9198-22	TURF CARE 30-5-3 W/2,4-D & SILVEX	7.50	0.00	3	2,4-D, dimethylamine salt; Silvex, isooctyl ester	3	NO	NO
2217-758	TRIMEC 937 HERBICIDE	1.32	0.00	3	2,4-D, 2-ethylhexyl ester; 2,4-DP-P, isooctyl ester; Dicamba	2	NO	NO
2217-696	BETAMEC 4 PRE-EMERGENCE GRASS KILLER	15.00	0.00	2	Bensulide	3	NO	NO
2217-759	EMBARK 2-S PLANT GROWTH REGULATOR	13.88	0.00	2	Mefluidide, diethanolamine salt	3	NO	NO
264-267	ETHREL BRAND ETHEPHON PLANT REGULATOR	13.10	0.00	2	Ethephon	1	NO	NO
62719-92	CONFRONT	4.50	0.00	2	Clopyralid, triethanolamine; Triclopyr, triethylamine salt	1	NO	NO
524-535	MON 78365 HERBICIDE	4.00	0.56	2	Glyphosate, monoammonium salt; Diquat dibromide	3	NO	NO
62719-92	CONFRONT	3.60	2.29	2	Triclopyr, triethylamine salt; Clopyralid, triethanolamine	1	NO	NO
10404-44	LESCO THREE-WAY BENTGRASS SELECTIVE HERBICIDE	2.25	0.00	2	2,4-D, dimethylamine salt; Dicamba, dimethylamine salt; MCP-P, dimethylamine salt	1	NO	NO
62719-37	GARLON* 3A	0.94	0.00	2	Triclopyr, triethylamine salt	1	NO	NO
62719-305	LONTREL TURF AND ORNAMENTAL	0.89	0.00	2	Clopyralid	3	NO	NO
72112-4	GLYPHOSATE PRO 4TM	0.69	0.00	2	Glyphosate, isopropylamine salt	3	NO	NO
62719-529	SCYTHE HERBICIDE	0.20	0.00	2	Nonanoic acid	2	NO	NO
7969-2	BASF BASFAPON	0.15	0.00	2	Dalapon, sodium salt	2	NO	NO
100-817	BICEP II MAGNUM HERBICIDE	0.14	0.00	2	Atrazine; Metolachlor, (S)	3	YES	NO
524-475	ROUNDUP ULTRA	0.11	0.00	2	Glyphosate, isopropylamine salt	3	NO	NO
352-607	DUPONT GLYPHOSATE HERBICIDE	0.04	0.00	2	Glyphosate, isopropylamine salt	2	NO	NO
9198-176	ANDERSON'S GOOSE/CRABGRASS CONTROL	0.00	415.00	2	Bensulide; Oxadiazon	2	YES	YES

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox. Cat.	EPA Carcin	CA Dev. Toxin
961-359	LEBANON FERTILIZER WITH DIMENSION (0.09%) CRABGRAS	0.00	320.00	2	Dithiopyr	3	NO	NO
228-413	HOWARD JOHNSON'S VIPER WEED AND FEED	0.00	120.00	2	2,4-D; 2,4-D, 2-ethylhexyl ester; Dicamba; Mecoprop-P	3	YES	NO
7969-234	AC 303757/AC 263499 HERBICIDE	0.00	74.88	2	Glyphosate, isopropylamine salt; Imazethapyr	2	NO	NO
524-532	MON 78623 58% TECHNICAL SOLUTION	100.00	0.00	1	Glyphosate, potassium salt	3	NO	NO
524-531	RT MASTER	100.00	0.00	1	2,4-D, isopropylamine salt; Glyphosate, isopropylamine salt	3	NO	NO
100-834	BARRICADE 65WG HERBICIDE	10.13	0.00	1	Prodiamine	3	YES	NO
2217-529	TRIMEC BROADLEAF HERBICIDE BENTGRASS FORMULA	8.00	0.00	1	2,4-D, dimethylamine salt; Dicamba, dimethylamine salt; MCP-P, dimethylamine salt	3	NO	NO
524-536	MON 78473 HERBICIDE	4.00	0.00	1	Glyphosate, isopropylamine salt;	3	NO	NO
62719-322	NAF-545	1.25	0.00	1	Glyphosate, isopropylamine salt	3	NO	NO
71995-29	ROUNDUP WEED & GRASS KILLER CONCENTRATE PLUS	0.09	0.00	1	Glyphosate, isopropylamine salt; Diquat dibromide	3	NO	NO
100-706	RIFLE HERBICIDE	0.03	0.00	1	Primisulfuron-methyl	3	NO	NO
524-529	ROUNDUP PRO CONCENTRATE	0.03	0.00	1	Glyphosate, isopropylamine salt	3	NO	NO
10404-84	0.07% DIMENSION PLUS FERTILIZER	0.00	3,400.00	1	Dithiopyr	3	NO	NO
62719-590	PENOXsulAM 3 FERT	0.00	1,750.00	1	2,4-D; Dicamba; Penoxsulam	3	NO	NO
2217-794	ANDERSONS GOLF PRODUCTS TURF FERTILIZER 28-0-4 WIT	0.00	1,250.00	1	2,4-D; Dicamba; Mecoprop-P	3	YES	NO
961-360	LEBANON FERTILIZER WITH DIMENSION (0.13%) CRABGRAS	0.00	150.00	1	Dithiopyr	3	NO	NO
10163-213	GORDON'S PROFESSIONAL TURF & ORNAMENTAL PRODUCTS T	0.00	48.00	1	Siduron	3	NO	NO
Fungicides								
100-1093	HERITAGE FUNGICIDE	0.00	88.47	57	Azoxystrobin	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox. Cat.	EPA Carcin	CA Dev. Toxin
100-892	ARBOTECT 20-S FUNGICIDE	2.06	219.50	46	Thiabendazole	3	NO	NO
60063-3	LESCO MANICURE ULTRA	0.00	1,987.00	36	Chlorothalonil	2	YES	NO
432-890	ALIETTE WDG BRAND FUNGICIDE	0.00	1,450.44	35	Fosetyl-Al	3	NO	NO
100-796	SUBDUE MAXX	59.07	30.38	33	Mefenoxam	3	NO	NO
8622-56	BIOBROM C-100G	0.00	16.88	30	2,2-dibromo-3-nitrilopropionamide	1	NO	NO
50534-202	MANICURE ULTREX TURF & ORNAMENTAL	40.00	821.00	29	Chlorothalonil	1	YES	NO
432-1360	BAYLETON 50 TURF AND ORNAMENTAL FUNGICIDE IN WATER	10.78	242.44	27	Triadimefon	3	YES	YES
70299-1	ZEROTOL ALGAECIDE/FUNGICIDE	31.45	0.00	23	Hydrogen peroxide	1	NO	NO
66222-149	ARMOR TECH CLT 825	0.00	660.50	20	Chlorothalonil	2	YES	NO
7969-224	CURALAN EG	0.00	511.18	19	Vinclozolin	3	YES	YES
7969-184	Insignia Fungicide	0.72	157.55	18	Pyraclostrobin	3	NO	NO
50534-209	MANICURE 6 FLOWABLE	70.00	0.00	16	Chlorothalonil	3	YES	NO
432-890	LESCO PRODIGY SIGNATURE	0.00	661.50	16	Fosetyl-Al	3	NO	NO
100-741	ALAMO FUNGICIDE	53.00	0.00	15	Propiconazole	2	YES	NO
432-942	BANOL TURF AND ORNAMENTAL FUNGICIDE	36.59	1.25	15	Propamocarb hydrochloride	3	NO	NO
66222-154	QUALI-PRO CHLOROTHALONIL 720 SFT	97.00	0.00	13	Chlorothalonil	2	YES	NO
62719-346	SPECTATOR TURF & ORNAMENTAL FUNGICIDE	28.98	0.00	13	Propiconazole	2	YES	NO
228-623	: NUFARM PROPICONAZOLE SPC 14.3 MEC FUNGICIDE	24.63	55.00	13	Propiconazole	2	YES	NO
66222-41	PRIMEERAONE PROPICONAZOLA 14.3	16.39	0.00	12	Propiconazole	2	YES	NO
60063-7	LESCO MANICRUE 6FL	69.10	0.00	11	Chlorothalonil	2	YES	NO
432-888	CHIPCO 26019 FLO BRAND FUNGICIDE	43.00	0.00	11	Iprodione	3	YES	NO
9198-115	THE ANDERSONS TURF FUNGICIDE WITH 5.0% DACONIL	0.00	2,890.00	11	Chlorothalonil	1	YES	NO
62719-463	EAGLE 20EW	0.45	0.00	10	Myclobutanil	3	NO	YES
58185-30	FUNGO 50 WSB WETTABLE POWDER TURF & ORNAMENTAL SYS	0.00	19.75	10	Thiophanate-methyl	3	YES	YES
100-641	BANNER FUNGICIDE	20.00	0.00	9	Propiconazole	2	YES	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox. Cat.	EPA Carcin	CA Dev. Toxin
432-1371	COMPASS	0.00	30.00	9	Trifloxystrobin	3	NO	NO
228-623	LESCO SPECTATOR ULTRA 1.3 FUNGICIDE	11.83	19.00	8	Propiconazole	2	YES	NO
10163-274	RUBIGAN A.S. TURF AND ORNAMENTAL	0.27	6.00	8	Fenarimol	3	NO	NO
5905-541	ARMICARB 100	0.00	18.08	8	Potassium bicarbonate	3	NO	NO
66330-305	LESCO 18 PLUS	45.00	0.00	7	Iprodione	3	YES	NO
538-183	PROTURF FLUID FUNGICIDE	29.75	0.00	7	Thiophanate-methyl; Iprodione	3	YES	YES
67690-37	CUPRO 2005 T/N/O	0.00	25.00	7	Copper hydroxide	2	NO	NO
432-1446	TARTAN FLO FUNGICIDE	11.90	0.00	6	Triadimefon; Trifloxystrobin	3	YES	YES
400-521	TERRAGUARD SC	0.09	0.00	6	Triflumizole	3	NO	NO
66330-41	ENDORSE WETTABLE POWDER TURF FUNGICIDE	0.00	215.50	6	Polyoxin D zinc salt	3	NO	NO
70870-1	MILSTOP BROAD SPECTRUM FOLIAR FUNGICIDE	0.00	12.25	6	Potassium bicarbonate	3	NO	NO
100-769	MEDALLION FUNGICIDE	0.00	0.56	6	Fludioxonil	3	NO	NO
432-942	PROKOZ BANOL	5.34	0.00	5	Propamocarb hydrochloride	3	NO	NO
62719-388	FORE 80WP RAINSHIELD	0.00	289.00	5	Mancozeb	3	YES	NO
60063-3	ECHO 825	0.00	100.00	5	Chlorothalonil	2	YES	NO
7969-196	EMERALD FUNGICIDE	0.00	7.35	5	Nicobifen	2	YES	NO
707-133	A102	40.00	0.00	4	5-chloro-2-methyl-4-isothiazolin-3-one; 2-methyl-4-isothiazolin-3-one	1	NO	NO
228-633	NUFARM PROPICONAZOLE SPC EC FUNGICIDE	13.50	11.44	4	Propiconazole	2	YES	NO
50534-211	DACONIL ZN FLOWABLE FUNGICIDE	12.50	0.00	4	Chlorothalonil	2	YES	NO
432-1445	BAYLETON FLO TURF AND ORNAMENTAL FUNGICIDE	8.50	0.00	4	Triadimefon	3	YES	YES
9198-111	THE ANDERSONS 1.0% BAYLETON(R) FUNGICIDE	0.00	460.00	4	Triadimefon	3	YES	YES
70506-185	PENNZOZEB 75 DF	0.00	128.00	4	Mancozeb	3	YES	NO
73314-2	ACTINO-IRON BIOLOGICAL FUNGICIDE	0.00	6.00	4	Streptomyces lydicus WYEC 108	3	NO	NO
68539-3	T-22G BIOLOGICAL PLANT PROTECTANT GRANULES	0.00	6.00	4	Trichoderma harzianum rifai strain KRL-AG2	3	NO	NO
228-684	NUFARM IPRDIONE SPC FUNGICIDE	22.00	0.00	3	Iprodione	3	YES	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox. Cat.	EPA Carcin	CA Dev. Toxin
228-626	NUFARM T-METHYL PRO 4.5 F FUNGICIDE	17.23	0.00	3	Thiophanate-methyl	3	YES	YES
228-630	NUFARM TM+IP SPC FUNGICIDE	13.00	0.00	3	Iprodione; Thiophanate-methyl	3	YES	YES
10404-60	LESCO TWOSOME FLOWABLE FUNGICIDE	12.50	0.00	3	Chlorothalonil; Fenarimol	1	YES	NO
69592-19	RHAPSODY AS0	3.52	0.00	3	QST 713 strain of dried Bacillus subtilis	3	NO	NO
55260-9	PROPLANT TURF AND ORNAMENTAL FUNGICIDE	3.30	0.00	3	Propamocarb hydrochloride	3	NO	NO
100-1231	INSTRATA	17.50	0.00	2	Chlorothalonil; Fludioxonil; Propiconazole	3	YES	NO
432-1414	26/36 FUNGICIDE	10.00	0.00	2	Iprodione; Thiophanate-methyl	2	YES	YES
45728-26	SPOTRETE F	10.00	0.00	2	Thiram	3	NO	NO
72112-6	MAINSAIL 6.0 F	9.00	0.00	2	Chlorothalonil	3	YES	NO
55146-73	MEFENOXAM 2	4.00	0.00	2	Mefenoxam	2	NO	NO
69592-19	CEASE	3.50	0.00	2	QST 713 strain of dried Bacillus subtilis	3	NO	NO
70252-11	QUALI-PRO MEFENOXAM 2 AQ	2.08	0.00	2	Mefenoxam	3	NO	NO
71962-1	AGRI-FOS SYSTEMIC FUNGICIDE	1.69	0.00	2	Mono- and di-potassium salts of phosphorous acid	3	NO	NO
5481-211	PCNB 10% GRANULES SOIL FUNGICIDE	0.00	750.00	2	PCNB	3	YES	NO
100-794	ANDERSONS GOLF PRODUCTS PYTHIUM CONTROL WITH MEFEN	0.00	300.00	2	Mefenoxam	3	NO	NO
67690-39	PENTATHLON DF FUNGICIDE DISPERSIBLE GRANULES	0.00	288.00	2	Mancozeb	3	YES	NO
50534-202	DACONIL SDG	0.00	63.00	2	Chlorothalonil	1	YES	NO
68173-2	ENDORSE WETTABLE POWDER TURF FUNGICIDE IN WATER SO	0.00	62.00	2	Polyoxin D zinc salt	3	NO	NO
432-1360	LESCO SYSTEMIC FUNGICIDE CONTAINING 50% BAYLETON	0.00	11.00	2	Triadimefon	3	YES	YES
70252-11	MEFENOXAM 2L	3.60	0.00	1	Mefenoxam	3	NO	NO
62719-422	FORE WSP TURF AND ORNAMENTAL FUNGICIDE	1.38	0.00	1	Mancozeb	3	YES	NO
50534-209	DACONIL 720 FLOWABLE FUNGICIDE	1.00	0.00	1	Chlorothalonil	3	YES	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox. Cat.	EPA Carcin	CA Dev. Toxin
9198-222	ANDERSONS GOLF PRODUCTS FUNGO FLO	1.00	0.00	1	Thiophanate-methyl	3	YES	YES
100-1216	BANNER HERITAGE MAXX	1.00	0.00	1	Azoxystrobin; Propiconazole	3	YES	NO
58185-33	DOMAIN FL	0.39	0.00	1	Thiophanate-methyl	3	YES	YES
10465-3	LIQUID COPPER FUNGICIDE	0.00	0.00	1	Copper ammonium complex	3	NO	NO
1001-70	3336 G	0.00	300.00	1	Thiophanate-methyl	3	YES	YES
7969-85	LESCO TOUCHE EG FUNGICIDE	0.00	63.25	1	Vinclozolin	3	YES	YES
62719-402	DITHANE DF RAINSHIELD	0.00	45.50	1	Mancozeb	3	YES	NO
66330-305	IPRODIONE 2SE TURF	0.00	40.00	1	Iprodione	3	YES	NO
50534-202	MANICURE ULTREX	0.00	28.00	1	Chlorothalonil	1	YES	NO
400-416	TERRAZOLE 35% WETTABLE POWDER	0.00	28.00	1	Terrazole	3	YES	NO
352-656	KOCIDE 2000	0.00	0.13	1	Copper hydroxide	2	NO	NO
64137-5	MYCOSTOP BIOFUNGICIDE FOR AGRONOMIC, VEGETABLE AND	0.00	0.06	1	Streptomyces griseoviridis strain K61	3	NO	NO
Other (Repellents, Biochemical Pesticides, Etc.)								
2724-421	ZOECON RF-292 BRIQUET	0.00	368.31	1928	S-Methoprene	3	NO	NO
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	10.87	16.11	1192	(7S)-Hydroprene	3	NO	NO
69117-7	PINSCHER PGR	0.15	0.00	76	Dikegulac sodium	3	NO	NO
2724-351	ZOECON GENCOR 9% EMULSIFIABLE CONCENTRATE	0.38	0.00	43	(7S)-Hydroprene	3	NO	NO
71096-7	ORTHO BUG-GETA SNAIL & SLUG KILLER 1	0.00	7.25	11	Metaldehyde	3	NO	NO
60061-71	PETTIT MARINE PAINT PREMIUM SINGLE SEASON ABLATIVE	0.00	13.00	10	Copper oxide (ous)	2	NO	NO
100-1014	PACLOBUTRAZOL 2SC	0.00	8.75	10	Paclobutrazol	3	NO	NO
10551-1	THE GIANT DESTROYER	0.00	34.00	7	Carbon; Sodium nitrate; Sulfur	3	NO	NO
60061-14	WOOLSEY/Z*SPAR SUPER TOX ANTI-FOULING FINISH B-74	0.00	6.25	5	Copper oxide (ous)	2	NO	NO
100-1014	CAMBISTAT 2SC	0.38	0.00	4	Paclobutrazol	3	NO	NO
73049-15	PROGIBB 4% PLANT GROWTH REGULATOR SOLUTION	0.00	0.00	4	Gibberellins	2	NO	NO
60061-117	PETTIT MARINE PAINT ULTIMA SR ANTIFOULING PAINT	0.00	2.00	2	Copper oxide (ous); Cybutryne	2	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox. Cat.	EPA Carcin	CA Dev. Toxin
1706-179	STABREX ST 70	23.00	0.00	1	Sodium hypochlorite; Sodium bromide	1	NO	NO
2217-768	EMBARK E-Z-TU-USE PLANT GROWTH REGULATOR	0.50	0.00	1	Mefluidide, diethanolamine salt	3	NO	NO
72041-2	GOOSE REPELLENT	0.23	0.00	1	Methyl anthranilate	3	NO	NO
73049-67	DITERA DF BIOLOGICAL NEMATICIDE	0.00	2.00	1	Myrothecium verrucaria, dried fermentation solids & solubles	3	NO	NO
60061-63	PETTIT MARINE PAINT UNEPOXY STANDARD ANTIFOULING B	0.00	1.00	1	Copper oxide (ous)	2	NO	NO
55943-1	HOT FOOT BIRD REPELLENT	0.00	0.94	1	Polybutenes	3	NO	NO
58630-1	DR. T'S SNAKE-A-WAY SNAKE REPELLING GRANULES	0.00	0.06	1	Naphthalene; Sulfur	3	NO	NO

Appendix 2

Complete listing of pesticide products used by the Department of Parks and Recreation

Pesticide Products Used by DPR in 2009 by Type

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
Rodenticides								
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	342.74	528	Bromadiolone	3	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	104.06	234	Bromadiolone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	94.69	177	Bromadiolone	3	NO	NO
7173-202	MAKI MINI BLOCKS	0.00	114.64	149	Bromadiolone	3	NO	NO
7173-218	GENERATION MINI BLOCKS	0.18	43.34	65	Difethialone	3	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.00	42.66	39	Bromadiolone	3	NO	NO
12455-69	CONTRAC RODENTICIDE	0.28	0.84	23	Bromadiolone	3	NO	NO
7173-188	MAKI RAT AND MOUSE BAIT PACKS (PELLETS)	0.13	0.13	13	Bromadiolone	3	NO	NO
12455-97	FASTRAC PLACE PACS	0.00	9.19	13	Bromethalin	3	NO	NO
12455-95	FASTRAC ALL-WEATHER BLOX	0.00	10.25	11	Bromethalin	3	NO	NO
12455-56	DITRAC TRACKING POWDER	0.00	1.63	11	Diphacinone	2	NO	NO
100-1050	TALON-G RODENTICIDE BAIT PACK MINI-PELLETS WITH BI	87.00	0.27	8	Brodifacoum	3	NO	NO
12455-89	FINAL ALL-WEATHER BLOX	0.00	4.69	6	Brodifacoum	3	NO	NO
432-748	GOLD CREST VENGEANCE RODENTICIDE SMALL BAIT PACKS	0.00	1.63	5	Bromethalin	3	NO	NO
100-1051	TALON-G RODENTICIDE BAIT PACK PELLETS WITH BITREX	0.00	3.13	2	Brodifacoum	3	NO	NO
12455-9	DIPHACINONE CONCENTRATE	0.00	0.20	2	Diphacinone	2	NO	NO
56-58	EATON'S AC FORMULA 90 RODENTICIDE	0.00	0.14	2	Chlorophacinone	3	NO	NO
12455-97	TOMCAT QUICKSTRIKE PELLETTED BAIT	1.80	0.00	1	Bromethalin	3	NO	NO
7173-213	MAKI PELLETS PLACEPACKS	0.00	2.50	1	Bromadiolone	3	NO	NO
67517-66	JTEATON BROMETHALIN ALL WEATHER BAIT BLOCKS RODENT	0.00	0.00	1	Bromethalin	2	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
67517-72	ASSAULT MOUSE/RAT PLACE PACK	0.00	0.00	1	Bromethalin	3	NO	NO
Insecticides								
432-1318	MERIT 75 WSP	0.43	1,370.39	10,182	Imidacloprid	3	NO	NO
7946-25	IMICIDE HP	31.46	0.00	332	Imidacloprid	3	NO	NO
73049-20	VECTOLEX CG BIOLOGICAL LARVICIDE	0.00	2,815.00	205	Bacillus sphaericus	3	NO	NO
73049-19	VECTOBAC CG BIOLOGICAL LARVICIDE GRANULES	0.00	2,654.88	151	Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52	3	NO	NO
86330-11	SUNSPRAY 6E PLUS	25.81	0.00	61	Mineral oil	3	NO	NO
70051-2	TRIACT 70	41.30	0.00	27	Neem oil	3	NO	NO
72-574	MILLER HOT SAUCE ANIMAL REPELLENT	0.20	0.00	24	Capsicum oleoresin	3	NO	NO
62719-291	CONSERVE SC TURF AND ORNAMENTAL	0.79	0.00	23	Spinosad	3	NO	NO
2724-476	ENSTAR II INSECT GROWTH REGULATOR (ENSTAR 5E)	0.46	0.00	22	(S)-Kinoprene	2	NO	NO
432-1369	MAJESTY	0.10	0.00	18	Imidacloprid	3	NO	NO
42750-153	BENEFIT 60 WP	0.00	10.41	17	Imidacloprid	3	NO	NO
82074-1	MYCOTROL ES	2.14	0.00	16	Beauveria bassiana GHA	3	NO	NO
432-1363	TEMPO SC INSECTICIDE	2.62	0.00	15	Cyfluthrin, beta	3	NO	NO
432-1447	MERIT TREE INJECTION	0.19	0.00	13	Imidacloprid	3	NO	NO
100-896	AVID 0.15 EC MITICIDE/INSECTICID E	0.59	0.00	12	Avermectin	2	NO	NO
8033-94	TRISTAR 30 SG INSECTICIDE	0.00	0.77	11	Acetamiprid	3	NO	NO
432-1318	QUALI-PRO IMIDACLOPRID 75 WSB	0.00	28.61	11	Imidacloprid	3	NO	NO
49538-3	PHYTON 27 NEW DIMENSION	13.06	0.00	10	Copper sulfate (pentahydrate)	3	NO	NO
499-470	WHITMIRE MICRO- GEN TC 198	1.38	0.00	9	Cyfluthrin	3	NO	NO
352-652	DUPONT ADVION COCKROACH GEL BAIT	0.00	0.36	9	Indoxacarb	3	NO	NO
100-1088	SCIMITAR GC INSECTICIDE	9.42	0.00	8	Cyhalothrin, lambda	3	NO	NO
73049-11	VECTOBAC - AS	1.75	0.00	8	Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52	3	NO	NO
70051-27	AZANTIN XL BIOLOGICAL INSECTICIDE	0.22	0.00	8	Azadirachtin	3	NO	NO
400-508	FLORAMITE SC	0.19	0.00	8	Bifenazate	3	NO	NO
66222-19	QUALI-PRO CHLOPYRIFOS 4E	14.16	0.00	7	Chlorpyrifos	2	NO	NO
42750-115	IMIDIPRO SYSTEMIC INSECTICIDE	6.84	0.00	7	Imidacloprid	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
432-1402	DECATHLON 20 WP GREENHOUSE AND NURSERY INSECTICIDE	0.00	0.62	7	Cyfluthrin	3	NO	NO
67760-99	PROAXIS EX	0.87	2.25	6	Cyhalothrin, gamma	3	NO	NO
279-3287	FLONICAMID 50SG INSECTICIDE	0.00	1.77	6	Fonicamid	3	NO	NO
432-1259	MAXFORCE FC SELECT PROF. INSECT CONTROL ROACH KILLER BAIT GEL	0.00	0.22	6	Fipronil	3	YES	NO
499-362	WHITMIRE PT 515 WASP FREEZE	0.00	7.25	5	Phenothrin; D-trans Allethrin	3	YES	NO
48813-1	SUFFOIL-X	0.97	0.00	4	NULL	3	NO	NO
279-3206	TALSTAR TC FLOWABLE TERMITICIDE/INSECTICIDE	0.04	0.00	4	Bifenthrin	3	YES	NO
228-588	MALLET 75 WP	0.00	21.20	4	Imidacloprid	3	NO	NO
432-1256	MAXFORCE FC ANT BAIT STATIONS	0.00	0.13	4	Fipronil	3	YES	NO
48813-1	SAF-T-SIDE FOR CITRUS SAF-T-SIDE FOR ORNAMENTALS	6.00	0.00	3	NULL	3	NO	NO
279-3155	TALSTAR NURSERY FLOWABLE INSECTICIDE/MITICIDE	2.80	6.56	3	Bifenthrin	3	YES	NO
62719-515	M-PEDE INSECTICIDE/FUNGICIDE	2.50	0.00	3	Potassium laurate	2	NO	NO
73049-38	VECTOBAC 12AS BIOLOGICAL LARVICIDE	0.88	0.00	3	Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52	3	NO	NO
100-1066	DEMAND CS INSECTICIDE	0.28	0.00	3	Cyhalothrin, lambda	3	NO	NO
36488-45	INSECTICIDAL SOAP 49.52 CF	0.20	0.00	3	Potassium laurate	2	NO	NO
71711-4	SEPRO AKARI 5SC MITICIDE/INSECTICIDE	0.13	0.00	3	Fenpyroximate	2	NO	NO
9198-167	ANDERSONS GOLF PRODUCTS INSECTICIDE III	0.00	1,048.00	3	Chlorpyrifos	3	NO	NO
499-452	ULD BP-100 INSECTICIDE	0.00	1.13	3	Pyrethrins; Piperonyl butoxide; N-octyl bicycloheptene dicarboximide	3	YES	NO
64405-2	REDZONE BAIT	0.00	0.69	3	Boric acid	3	NO	NO
1021-1641	EVERCIDE RESIDUAL INSECTICIDE CONCENTRATE 2662	0.00	0.31	3	Esfenvalerate	3	NO	NO
432-1264	MAXFORCE FC ANT KILLER BAIT GEL	0.00	0.06	3	Fipronil	3	YES	NO
19713-123	DAMOIL DORMANT & SUMMER SPRAY OIL	23.00	0.00	2	Kerosene	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
432-1289	DYLOX 80 TURF AND ORNAMENTAL INSECTICIDE	10.00	20.00	2	Trichlorfon	2	YES	NO
62719-471	MACH 2 2SC	9.50	0.00	2	Halofenozide	3	NO	NO
432-763	SUSPEND SC	1.95	0.00	2	Deltamethrin	3	NO	NO
432-1338	TEMPO 20 WP GOLF COURSE INSECTICIDE	0.38	5.63	2	Cyfluthrin	3	NO	NO
10404-66	LESCO HORTICULTURAL OIL INSECTICIDE	0.35	0.00	2	Petroleum distillates	3	NO	NO
432-1457	MERIT FXT TABLET INSECTICIDE	0.00	1.54	2	Imidacloprid	3	NO	NO
6218-47	SUMMIT B.T.I. BRIQUETS	0.00	1.29	2	Bacillus thuringiensis subspecies israelensis strain BMP 144	3	NO	NO
9444-183	INTRUDER RESIDUAL WITH CYFLUTHRIN	0.00	0.25	2	Cyfluthrin; Pyrethrins; Piperonyl butoxide	3	YES	NO
432-1460	MAXFORCE FC ROACH KILLER BAIT GEL F.05	0.00	0.06	2	Fipronil	3	YES	NO
73079-1	INTICE SWEET ANT GEL	0.00	0.05	2	Boric acid	3	NO	NO
51036-32	PARATHION 15 WP	2.60	0.00	1	Parathion	1	YES	NO
499-519	TC 232 W&H	0.11	0.00	1	Limonene	3	NO	NO
66222-40	PEDESTAL	0.03	0.00	1	Novaluron	3	NO	NO
66222-210	ABAMECTIN 0.15 EC TNO	0.01	0.00	1	Avermectin	2	NO	NO
655-489	PRENTOX PYRONYL CROP SPRAY	0.00	0.00	1	Pyrethrins; Piperonyl butoxide	3	YES	NO
432-1339	GRUBEX	0.00	3,550.00	1	Imidacloprid	3	NO	NO
432-1349	THE ANDERSONS PROFESSIONAL TURF PRODUCTS FERTILIZE	0.00	300.00	1	Imidacloprid	3	NO	NO
73049-73	PYRETHRUM EXTRACT HR.	0.00	40.00	1	Pyrethrins	3	YES	NO
432-1464	DYLOX 420 SL TURF AND ORNAMENTAL INSECTICIDE	0.00	8.80	1	Trichlorfon	3	YES	NO
279-3156	LESCO CROSSCHECK PLUS GC INSECTICIDE/MITECIDE	0.00	5.00	1	Bifenthrin	3	YES	NO
432-1418	ALLECTUS 0.18 G PLUS TURF FERTILIZER INSECTICIDE	0.00	0.50	1	Bifenthrin; Imidacloprid	3	YES	NO
279-3393	CB-80-1 FOR INSECT CONTROL	0.00	0.38	1	Pyrethrins; Piperonyl butoxide	3	YES	NO
73049-39	DIPEL DF DRY FLOWABLE BIOLOGICAL INSECTICIDE	0.00	0.30	1	Bacillus thuringiensis, subsp. Kurstaki, strain ABTS-351, fermentation solids and solubles	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
8848-20205	BLACK JACK BORIC ACID POWDER ROACH KILLER	0.00	0.06	1	Boric acid	3	NO	NO
499-370	PT 370 ASCEND FIRE ANT STOPPER BAIT	0.00	0.06	1	Avermectin	3	NO	NO
432-1301	TEMPO 20 WP IN WATER SOLUBLE PACKETS	0.00	0.06	1	Cyfluthrin	3	NO	NO
73766-1	GOURMET ANT BAIT GEL	0.00	0.04	1	Disodium octaborate tetrahydrate	3	NO	NO
432-1257	MAXFORCE ROACH BAIT F.05	0.00	0.02	1	Fipronil	3	YES	NO
432-1252	MAXFORCE PROFESSIONAL INSECT CONTROL ANT KILLER BA	0.00	0.01	1	Hydramethylnon	3	YES	YES
499-459	MICRO-GEN ANT REACTOR	0.00	0.01	1	Sulfuramid	3	NO	NO
2724-469	ZOECON (S)-HYDROPRENE ROACH CONTROL STATION II	0.00	0.00	1	(7S)-Hydroprene	3	NO	NO
Herbicides								
524-475	ROUNDUP ULTRA HERBICIDE	486.35	189.06	1,221	Glyphosate, isopropylamine salt	3	NO	NO
241-360	LESCO PRE-M 3.3EC TURF HERBICIDE	5.19	1,726.25	365	Pendimethalin	3	YES	NO
241-341	PENDULUM 3.3 EC HERBICIDE	44.10	182.38	317	Pendimethalin	3	YES	NO
62719-542	DIMENSION 2EW	380.99	0.00	283	Dithiopyr	2	NO	NO
62719-517	ACCORD XRT	3,527.85	0.00	227	Glyphosate, isopropylamine salt	3	NO	NO
62719-556	ACCORD XRT II	152.88	0.00	221	Glyphosate, dimethylammonium salt	3	NO	NO
62719-527	GARLON 4 ULTRA	181.95	0.00	182	Triclopyr	2	NO	NO
62719-324	GLYPRO	598.19	0.00	151	Glyphosate, isopropylamine salt	3	NO	NO
62719-176	PATHFINDER II	1,106.42	0.00	83	Triclopyr, butoxyethyl ester	3	NO	NO
100-937	PRIMO MAXX	51.03	76.69	63	Trinexapac-ethyl	3	NO	NO
71995-25	ROUNDUP WEED & GRASS KILLER SUPER CONCENTRATE	31.09	0.00	41	Glyphosate, isopropylamine salt	3	NO	NO
228-635	LESCO REGIMAX PGR PLANT GROWTH REGULATOR	6.51	0.00	36	Trinexapac-ethyl	3	NO	NO
62719-40	GARLON 4	76.93	0.00	24	Triclopyr, butoxyethyl ester	3	NO	NO
228-366	RAZOR HERBICIDE	2.29	0.00	23	Glyphosate, isopropylamine salt	3	NO	NO
82052-1	AVENGER WEED KILLER CONCENTRATE	14.88	0.00	8	Limonene	3	NO	NO
432-950	ACCLAIM EXTRA HERBICIDE	3.89	17.38	8	Fenoxaprop-P (+)	3	NO	NO
62719-445	DIMENSION* ULTRA 40WP	0.00	53.75	8	Dithiopyr	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
66330-276	DICAMBA DMA 4# AG	0.00	27.75	8	Dicamba, dimethylamine salt	2	NO	NO
228-635	NUFARM T-PAC SPC MEC PLANT GROWTH REGULATOR	1.80	7.11	7	Trinexapac-ethyl	3	NO	NO
432-1230	PROXY GROWTH REGULATOR	28.60	40.00	6	Ethephon	1	NO	NO
2217-543	TRIMEC HERBICIDE	4.04	0.00	5	2,4-D, dimethylamine salt; MCPP-P, dimethylamine salt; Dicamba, dimethylamine salt	1	NO	NO
83220-1	EZJECT SELECTIVE INJECTION HERBICIDE CAPSULES	0.00	4.00	5	Glyphosate, isopropylamine salt	3	NO	NO
10404-43	LESCO THREE-WAY SELECTIVE HERBICIDE	25.70	0.00	4	2,4-D, dimethylamine salt; Dicamba, dimethylamine salt; MCPP-P, dimethylamine salt	1	NO	NO
66330-293	LESCO T-STORM FLOWABLE TURF & ORNAMENTAL FUNGICIDE	9.14	0.00	4	Thiophanate-methyl	3	YES	YES
9198-213	THE ANDERSONS 0.25% GRANULAR DITHIOPYR HERBICIDE	0.00	7,075.00	4	Dithiopyr	3	NO	NO
961-405	LEBANON TRIFLURALIN G-5	0.00	68.75	4	Trifluralin	3	YES	NO
81880-1	SEDGEHAMMER	0.00	0.06	4	Halosulfuron-methyl	3	NO	NO
9198-22	TURF CARE 30-5-3 W/2,4-D & SILVEX	7.50	0.00	3	2,4-D, dimethylamine salt; Silvex, isooctyl ester	3	NO	NO
2217-758	TRIMEC 937 HERBICIDE	1.32	0.00	3	2,4-D, 2-ethylhexyl ester; 2,4-DP-P, isooctyl ester; Dicamba	2	NO	NO
2217-696	BETAMEC 4 PRE-EMERGENCE GRASS KILLER	15.00	0.00	2	Bensulide	3	NO	NO
2217-759	EMBARK 2-S PLANT GROWTH REGULATOR	13.88	0.00	2	Mefluidide, diethanolamine salt	3	NO	NO
264-267	ETHREL BRAND ETHEPHON PLANT REGULATOR	13.10	0.00	2	Ethephon	1	NO	NO
62719-92	CONFRONT	4.50	0.00	2	Clopyralid, triethanolamine; Triclopyr, triethylamine salt	1	NO	NO
524-535	MON 78365 HERBICIDE	4.00	0.56	2	Glyphosate, monoammonium salt; Diquat dibromide	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
62719-92	CONFRONT	3.60	2.29	2	Triclopyr, triethylamine salt; Clopyralid, triethanolamine	1	NO	NO
10404-44	LESCO THREE-WAY BENTGRASS SELECTIVE HERBICIDE	2.25	0.00	2	2,4-D, dimethylamine salt; Dicamba, dimethylamine salt; MCP-P, dimethylamine salt	1	NO	NO
62719-37	GARLON* 3A	0.94	0.00	2	Triclopyr, triethylamine salt	1	NO	NO
62719-305	LONTREL TURF AND ORNAMENTAL	0.89	0.00	2	Clopyralid	3	NO	NO
72112-4	GLYPHOSATE PRO 4TM	0.69	0.00	2	Glyphosate, isopropylamine salt	3	NO	NO
62719-529	SCYTHE HERBICIDE	0.20	0.00	2	Nonanoic acid	2	NO	NO
7969-2	BASF BASFAPON	0.15	0.00	2	Dalapon, sodium salt	2	NO	NO
524-475	ROUNDUP ULTRA	0.11	0.00	2	Glyphosate, isopropylamine salt	3	NO	NO
9198-176	ANDERSON'S GOOSE/CRABGRASS CONTROL	0.00	415.00	2	Bensulide; Oxadiazon	2	YES	YES
7969-234	AC 303757/AC 263499 HERBICIDE	0.00	74.88	2	Glyphosate, isopropylamine salt; Imazethapyr	2	NO	NO
100-834	BARRICADE 65WG HERBICIDE	10.13	0.00	1	Prodiamine	3	YES	NO
2217-529	TRIMEC BROADLEAF HERBICIDE BENTGRASS FORMULA	8.00	0.00	1	2,4-D, dimethylamine salt; Dicamba, dimethylamine salt; MCP-P, dimethylamine salt	3	NO	NO
524-536	MON 78473 HERBICIDE	4.00	0.00	1	Glyphosate, isopropylamine salt;	3	NO	NO
100-706	RIFLE HERBICIDE	0.03	0.00	1	Primisulfuron-methyl	3	NO	NO
524-529	ROUNDUP PRO CONCENTRATE	0.03	0.00	1	Glyphosate, isopropylamine salt	3	NO	NO
10404-84	0.07% DIMENSION PLUS FERTILIZER	0.00	3,400.00	1	Dithiopyr	3	NO	NO
2217-794	ANDERSONS GOLF PRODUCTS TURF FERTILIZER 28-0-4 WIT	0.00	1,250.00	1	2,4-D; Dicamba; Mecoprop-P	3	YES	NO
961-360	LEBANON FERTILIZER WITH DIMENSION (0.13%) CRABGRAS	0.00	150.00	1	Dithiopyr	3	NO	NO
10163-213	GORDON'S PROFESSIONAL TURF & ORNAMENTAL PRODUCTS T	0.00	48.00	1	Siduron	3	NO	NO
Fungicides								
100-1093	HERITAGE FUNGICIDE	0.00	88.47	57	Azoxystrobin	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
100-892	ARBOTECT 20-S FUNGICIDE	2.06	219.50	46	Thiabendazole	3	NO	NO
60063-3	LESCO MANICURE ULTRA	0.00	1,987.00	36	Chlorothalonil	2	YES	NO
432-890	ALIETTE WDG BRAND FUNGICIDE	0.00	1,450.44	35	Fosetyl-Al	3	NO	NO
100-796	SUBDUE MAXX	59.07	30.38	33	Mefenoxam	3	NO	NO
50534-202	MANICURE ULTREX TURF & ORNAMENTAL	40.00	821.00	29	Chlorothalonil	1	YES	NO
432-1360	BAYLETON 50 TURF AND ORNAMENTAL FUNGICIDE IN WATER	10.78	242.44	27	Triadimefon	3	YES	YES
70299-1	ZEROTOL ALGAECIDE/FUNGICIDE	31.45	0.00	23	Hydrogen peroxide	1	NO	NO
66222-149	ARMOR TECH CLT 825	0.00	660.50	20	Chlorothalonil	2	YES	NO
7969-224	CURALAN EG	0.00	511.18	19	Vinclozolin	3	YES	YES
7969-184	Insignia Fungicide	0.72	157.55	18	Pyraclostrobin	3	NO	NO
50534-209	MANICURE 6 FLOWABLE	70.00	0.00	16	Chlorothalonil	3	YES	NO
432-890	LESCO PRODIGY SIGNATURE	0.00	661.50	16	Fosetyl-Al	3	NO	NO
100-741	ALAMO FUNGICIDE	53.00	0.00	15	Propiconazole	2	YES	NO
432-942	BANOL TURF AND ORNAMENTAL FUNGICIDE	36.59	1.25	15	Propamocarb hydrochloride	3	NO	NO
66222-154	QUALI-PRO CHLOROTHALONIL 720 SFT	97.00	0.00	13	Chlorothalonil	2	YES	NO
62719-346	SPECTATOR TURF & ORNAMENTAL FUNGICIDE	28.98	0.00	13	Propiconazole	2	YES	NO
228-623	: NUFARM PROPICONAZOLE SPC 14.3 MEC FUNGICIDE	24.63	55.00	13	Propiconazole	2	YES	NO
66222-41	PRIMEERAONE PROPICONAZOLA 14.3	16.39	0.00	12	Propiconazole	2	YES	NO
60063-7	LESCO MANICRUE 6FL	69.10	0.00	11	Chlorothalonil	2	YES	NO
432-888	CHIPCO 26019 FLO BRAND FUNGICIDE	43.00	0.00	11	Iprodione	3	YES	NO
9198-115	THE ANDERSONS TURF FUNGICIDE WITH 5.0% DACONIL	0.00	2,890.00	11	Chlorothalonil	1	YES	NO
62719-463	EAGLE 20EW	0.45	0.00	10	Myclobutanil	3	NO	YES
58185-30	FUNGO 50 WSB WETTABLE POWDER TURF & ORNAMENTAL SYS	0.00	19.75	10	Thiophanate-methyl	3	YES	YES
100-641	BANNER FUNGICIDE	20.00	0.00	9	Propiconazole	2	YES	NO
432-1371	COMPASS	0.00	30.00	9	Trifloxystrobin	3	NO	NO
228-623	LESCO SPECTATOR ULTRA 1.3 FUNGICIDE	11.83	19.00	8	Propiconazole	2	YES	NO
10163-274	RUBIGAN A.S. TURF AND ORNAMENTAL	0.27	6.00	8	Fenarimol	3	NO	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
5905-541	ARMICARB 100	0.00	18.08	8	Potassium bicarbonate	3	NO	NO
66330-305	LESCO 18 PLUS	45.00	0.00	7	Iprodione	3	YES	NO
538-183	PROTURF FLUID FUNGICIDE	29.75	0.00	7	Thiophanate-methyl; Iprodione	3	YES	YES
67690-37	CUPRO 2005 T/N/O	0.00	25.00	7	Copper hydroxide	2	NO	NO
432-1446	TARTAN FLO FUNGICIDE	11.90	0.00	6	Triadimefon; Trifloxystrobin	3	YES	YES
400-521	TERRAGUARD SC	0.09	0.00	6	Triflumizole	3	NO	NO
66330-41	ENDORSE WETTABLE POWDER TURF FUNGICIDE	0.00	215.50	6	Polyoxin D zinc salt	3	NO	NO
70870-1	MILSTOP BROAD SPECTRUM FOLIAR FUNGICIDE	0.00	12.25	6	Potassium bicarbonate	3	NO	NO
100-769	MEDALLION FUNGICIDE	0.00	0.56	6	Fludioxonil	3	NO	NO
432-942	PROKOZ BANOL	5.34	0.00	5	Propamocarb hydrochloride	3	NO	NO
62719-388	FORE 80WP RAINSHIELD	0.00	289.00	5	Mancozeb	3	YES	NO
60063-3	ECHO 825	0.00	100.00	5	Chlorothalonil	2	YES	NO
7969-196	EMERALD FUNGICIDE	0.00	7.35	5	Nicobifen	2	YES	NO
228-633	NUFARM PROPICONAZOLE SPC EC FUNGICIDE	13.50	11.44	4	Propiconazole	2	YES	NO
50534-211	DACONIL ZN FLOWABLE FUNGICIDE	12.50	0.00	4	Chlorothalonil	2	YES	NO
432-1445	BAYLETON FLO TURF AND ORNAMENTAL FUNGICIDE	8.50	0.00	4	Triadimefon	3	YES	YES
9198-111	THE ANDERSONS 1.0% BAYLETON(R) FUNGICIDE	0.00	460.00	4	Triadimefon	3	YES	YES
70506-185	PENNZOZEB 75 DF	0.00	128.00	4	Mancozeb	3	YES	NO
68539-3	T-22G BIOLOGICAL PLANT PROTECTANT GRANULES	0.00	6.00	4	Trichoderma harzianum rifai strain KRL-AG2	3	NO	NO
73314-2	ACTINO-IRON BIOLOGICAL FUNGICIDE	0.00	6.00	4	Streptomyces lydicus WYEC 108	3	NO	NO
228-684	NUFARM IPRDIONE SPC FUNGICIDE	22.00	0.00	3	Iprodione	3	YES	NO
228-626	NUFARM T-METHYL PRO 4.5 F FUNGICIDE	17.23	0.00	3	Thiophanate-methyl	3	YES	YES
228-630	NUFARM TM+IP SPC FUNGICIDE	13.00	0.00	3	Iprodione; Thiophanate-methyl	3	YES	YES
10404-60	LESCO TWOSOME FLOWABLE FUNGICIDE	12.50	0.00	3	Chlorothalonil; Fenarimol	1	YES	NO
69592-19	RHAPSODY AS0	3.52	0.00	3	QST 713 strain of dried Bacillus subtilis	3	NO	NO
55260-9	PROPLANT TURF AND ORNAMENTAL FUNGICIDE	3.30	0.00	3	Propamocarb hydrochloride	3	NO	NO
100-1231	INSTRATA	17.50	0.00	2	Chlorothalonil; Fludioxonil; Propiconazole	3	YES	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
432-1414	26/36 FUNGICIDE	10.00	0.00	2	Iprodione; Thiophanate-methyl	2	YES	YES
45728-26	SPOTRETE F	10.00	0.00	2	Thiram	3	NO	NO
72112-6	MAINSAIL 6.0 F	9.00	0.00	2	Chlorothalonil	3	YES	NO
55146-73	MEFENOXAM 2	4.00	0.00	2	Mefenoxam	2	NO	NO
69592-19	CEASE	3.50	0.00	2	QST 713 strain of dried Bacillus subtilis	3	NO	NO
70252-11	QUALI-PRO MEFENOXAM 2 AQ	2.08	0.00	2	Mefenoxam	3	NO	NO
71962-1	AGRI-FOS SYSTEMIC FUNGICIDE	1.69	0.00	2	Mono- and di-potassium salts of phosphorous acid	3	NO	NO
5481-211	PCNB 10% GRANULES SOIL FUNGICIDE	0.00	750.00	2	PCNB	3	YES	NO
100-794	ANDERSONS GOLF PRODUCTS PYTHIUM CONTROL WITH MEFEN	0.00	300.00	2	Mefenoxam	3	NO	NO
67690-39	PENTATHLON DF FUNGICIDE DISPERSIBLE GRANULES	0.00	288.00	2	Mancozeb	3	YES	NO
50534-202	DACONIL SDG	0.00	63.00	2	Chlorothalonil	1	YES	NO
68173-2	ENDORSE WETTABLE POWDER TURF FUNGICIDE IN WATER SO	0.00	62.00	2	Polyoxin D zinc salt	3	NO	NO
432-1360	LESCO SYSTEMIC FUNGICIDE CONTAINING 50% BAYLETON	0.00	11.00	2	Triadimefon	3	YES	YES
70252-11	MEFENOXAM 2L	3.60	0.00	1	Mefenoxam	3	NO	NO
62719-422	FORE WSP TURF AND ORNAMENTAL FUNGICIDE	1.38	0.00	1	Mancozeb	3	YES	NO
9198-222	ANDERSONS GOLF PRODUCTS FUNGO FLO	1.00	0.00	1	Thiophanate-methyl	3	YES	YES
50534-209	DACONIL 720 FLOWABLE FUNGICIDE	1.00	0.00	1	Chlorothalonil	3	YES	NO
100-1216	BANNER HERITAGE MAXX	1.00	0.00	1	Azoxystrobin; Propiconazole	3	YES	NO
58185-33	DOMAIN FL	0.39	0.00	1	Thiophanate-methyl	3	YES	YES
10465-3	LIQUID COPPER FUNGICIDE	0.00	0.00	1	Copper ammonium complex	3	NO	NO
1001-70	3336 G	0.00	300.00	1	Thiophanate-methyl	3	YES	YES
7969-85	LESCO TOUCHE EG FUNGICIDE	0.00	63.25	1	Vinclozolin	3	YES	YES
62719-402	DITHANE DF RAINSHIELD	0.00	45.50	1	Mancozeb	3	YES	NO
66330-305	IPRODIONE 2SE TURF	0.00	40.00	1	Iprodione	3	YES	NO
400-416	TERRAZOLE 35% WETTABLE POWDER	0.00	28.00	1	Terrazole	3	YES	NO
50534-202	MANICURE ULTREX	0.00	28.00	1	Chlorothalonil	1	YES	NO

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
352-656	KOCIDE 2000	0.00	0.13	1	Copper hydroxide	2	NO	NO
64137-5	MYCOSTOP BIOFUNGICIDE FOR AGRONOMIC, VEGETABLE AND	0.00	0.06	1	Streptomyces griseoviridis strain K61	3	NO	NO
Other (Repellents, Biochemical Pesticides, Etc.)								
69117-7	PINSCHER PGR	0.15	0.00	76	Dikegulac sodium	3	NO	NO
71096-7	ORTHO BUG-GETA SNAIL & SLUG KILLER 1	0.00	7.25	11	Metaldehyde	3	NO	NO
60061-71	PETTIT MARINE PAINT PREMIUM SINGLE SEASON ABLATIVE	0.00	13.00	10	Copper oxide (ous)	2	NO	NO
100-1014	PACLOBUTRAZOL 2SC	0.00	8.75	10	Paclobutrazol	3	NO	NO
59639-96	DISTANCE INSECT GROWTH REGULATOR	0.29	0.00	8	Pyriproxyfen	3	NO	NO
60061-14	WOOLSEY/Z*SPAR SUPER TOX ANTI- FOULING FINISH B-74	0.00	6.25	5	Copper oxide (ous)	2	NO	NO
100-1014	CAMBISTAT 2SC	0.38	0.00	4	Paclobutrazol	3	NO	NO
73049-15	PROGIBB 4% PLANT GROWTH REGULATOR SOLUTION	0.00	0.00	4	Gibberellins	2	NO	NO
60061-117	PETTIT MARINE PAINT ULTIMA SR ANTIFOULING PAINT	0.00	2.00	2	Copper oxide (ous); Cybutryne	2	NO	NO
1706-179	STABREX ST 70	23.00	0.00	1	Sodium hypochlorite; Sodium bromide	1	NO	NO
2217-768	EMBARC E-Z-TU-USE PLANT GROWTH REGULATOR	0.50	0.00	1	Mefluidide, diethanolamine salt	3	NO	NO
72041-2	GOOSE REPELLENT	0.23	0.00	1	Methyl anthranilate	3	NO	NO
73049-67	DITERA DF BIOLOGICAL NEMATICIDE	0.00	2.00	1	Myrothecium verrucaria, dried fermentation solids & solubles	3	NO	NO
60061-63	PETTIT MARINE PAINT UNEPOXY STANDARD ANTIFOULING B	0.00	1.00	1	Copper oxide (ous)	2	NO	NO