



Pesticide Use by New York City Agencies in 2010

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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 2010, 25 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 135,068 times by New York City in 2010. Agencies used a total of 7,813 gallons and 117,425 pounds of pesticides.
- Insecticides were the most frequently applied type of pesticide, accounting for nearly 57% of all applications.
- Herbicides were the most heavily used liquid type of pesticide, accounting for 40% by volume and insecticides made up 48% by weight of all pesticides used by City agencies. Excluding the DOHMH West Nile Virus (WNV) larvaciding program, rodenticides made up 59% of the remaining applications by weight.
- New York City agencies are not the only users of pesticides in New York City. New York State summarizes pesticide use by all applicators – commercial 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 2% of the total volume of liquid pesticides, and 12% of the total pounds of solid pesticides applied within the five boroughs of New York City.
- In comparison to reporting amounts in 2009, there was an 81% decrease in herbicide use by volume primarily due to the unusually high amount used in the previous year for controlling invasive species in remote wooded parkland.
- There was a 9% increase in insecticides by volume. “Best Management Practices” products – largely gel and bait insecticides with little potential for human exposure – accounted for 27% of the number of insecticide applications in 2010. The total quantity (weight) of these “Best Management Practices” products used declined by 69%. It is unclear whether “Best Management Practices” products were used less because their effectiveness improved, or whether other pesticides were substituted for these products.
- There was a 58% increase in rodenticide amounts used by agencies over 2009, but 2010 quantities were more consistent with 2008 applications.

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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 2010, twenty-five 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 2010. 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 2010 data demonstrates that there is incomplete reporting of pesticides used for disinfection and biocidal purposes, as was the case in 2009. 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 2010 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 2010 were caught and corrected.

Despite the above mentioned limitations, the data captured this year is more complete and more agencies and their contractors 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 2,983 gallons and 56,266 pounds of insecticides were applied by New York City in 2010, accounting for 38.2% by volume, and 47.9% by weight of the total applications. Biological insecticides applied to target mosquito larvae account for 84.6% of insecticides by weight. When those products are excluded, insecticides by weight make up 12.4% of solid pesticides applied. Insecticides used by NYC agencies in 2010 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. Though these chemicals have lower acute toxicity, there is some emerging concern over the chronic neurotoxicity of pyrethrins, pyrethroids, and their synergists. 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 2010 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 2010 for 82.1% of the total insecticides amounts applied by volume and 4.9% by weight, 31.7% by weight when excluding WNV larvicides. These products made up 56.8% of the total number of insecticide applications.

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 2010 was outdoor applications of chlorpyrifos on certain golf courses. The few carbamate active ingredients used in 2010 include propoxur and methomyl used in containerized baits. Organophosphate and carbamate products applied by agencies in 2010 include Anderson Golf Products Insecticide III® and Golden MalrinRF-128 Fly Killer®.

Reports submitted by agencies showed that, in 2010, the use of organophosphates and carbamates accounted for just 3.7% of the total insecticides applied by agencies by volume, and 1.6% by weight, 10.4% by weight excluding WNV larvicides, remaining a very small percentage of the insecticides used by city agencies. However, these products made up only 0.08% of the total number of insecticide applications.

“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 Roach Bait F.05®, Redzone Bait®, Vectobac CG Biological Larvicide Granules®, Vectolex CG Biological Larvicide®, Avert Prescription Treatment TC 93B Bait®, and DuPont Advion Cockroach Gel Bait®.

In 2010, 6.2% of the total insecticides applied by volume, and 90.6% by weight, were insecticidal dusts, gels and baits, or biological larvicides. Excluding WNV larvicides, the totals equal 38.7% of insecticide products by weight. These products made up 27.4% of the total number of insecticide applications.

Herbicides

The herbicides used by New York City agencies in 2010 were used primarily for vegetation control in parks and for the maintenance of highways and street medians. The active ingredients most commonly used in 2010 were glyphosate, dinitroanilines, chlorophenoxyacetic acids and ureas. Herbicides were a major contributor of pesticide use by agencies.

A total of 3,143 gallons and 6,016 pounds were applied, accounting for 40.2% of total volume and 5.1% of total weight of all pesticides used by agencies in 2010.

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 2010 30.0% of applications of herbicide by volume contained glyphosate, a 81.4% reduction from 2009.

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 2010 were Lesco Pre-M 3.3 EC Turf Herbicide® and Spring Crabgrass Control®.

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 2010 were Trimec 937 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 2010 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 2010 were: Contrac All-Weather Blox®, Generation Mini Blocks®, Weatherblok Bait with Bitrex® and Ditrac All-Weather Blox®.

In 2010, a total of 40,871 pounds of rodenticides were applied by City agencies, accounting for 34.8% 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 2010 were chlorothalonil, thiophanate-methyl, PCNB, iprodione and mancozeb. Common fungicide products applied in 2010 include Heritage Fungicide®, Aliette WDG Brand Fungicide®, Lescro Manicure Ultra® and Bayleton 50 Turf and Ornamental Fungicide in Water Soluble Packets®.

Fungicides make up a smaller portion of the overall pesticide use by agencies, accounting for 20.0% of the total pesticide applied by volume and 11.9% 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 130,091 times by New York City in 2010. The pesticides applied most frequently by New York City were insecticides. 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 herbicides in terms of volume. In 2010, 84.6% 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 12.4% 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 2010, by Pesticide Type

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	76.42	1.0%	40,871.19	34.8%	50,063	37.1%
Insecticide	2,982.98	38.2%	56,266.03	47.9%	76,395	56.6%
Herbicide	3,143.18	40.2%	6,016.22	5.1%	3,746	2.8%
Fungicide	1,564.97	20.0%	13,958.75	11.9%	840	0.6%
Other	45.42	0.6%	313.22	0.3%	4,024	3.0%
Totals:	7,813		117,425		135,068	

Table 2, below lists the ten most frequently used products used for each pesticide type on New York City owned or leased property in 2010. 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 2010 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								
12455-86	CONTRAC RODENTICIDE PLACE PAC	16.89	10,772.92	14,139	Bromadiolone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	15.13	10,912.18	11,168	Bromadiolone	3	NO	NO
100-1050	TALON-G RODENTICIDE BAIT PACK MINI-PELLETS WITH BI	0.00	8,060.03	6,979	Brodifacoum	3	NO	NO
7173-218	GENERATION MINI BLOCKS	0.50	1,830.69	4,696	Difethialone	3	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.21	3,078.53	3,561	Bromadiolone	3	NO	NO
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	755.54	2,221	Difethialone	3	NO	NO
100-1055	WEATHERBLOK BAIT WITH BITREX	0.01	1,080.12	1,719	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	14.80	785.43	1,036	Bromadiolone	3	NO	NO
12455-80	DITRAC ALL-WEATHER BLOX	0.02	778.12	838	Diphacinone	3	NO	NO
7173-202	MAKI MINI BLOCKS	0.21	640.06	727	Bromadiolone	3	NO	NO
Insecticides								
432-763	SUSPEND SC INSECTICIDE	815.18	144.76	25,022	Deltamethrin	3	NO	NO
499-304	WHITMIRE OPTEM ME PT 600	163.95	74.20	7,371	Cyfluthrin	3	NO	NO
42750-117	XYTECT 75WSP INSECTICIDE	0.00	691.73	6,395	Imidacloprid	3	NO	NO
73049-20	VECTOLEX CG BIOLOGICAL LARVICIDE	0.14	43,521.07	5,371	Bacillus sphaericus	3	NO	NO
499-507	TC 248	5.03	118.79	4,236	Dinotefuran	3	NO	NO
64405-2	REDZONE BAIT	0.07	670.36	4,078	Boric acid	3	NO	NO
397-13	STERI-FAB	845.37	760.12	3,573	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	17.58	9.61	2,170	Esfenvalerate	3	NO	NO
432-1363	TEMPO SC INSECTICIDE	224.51	2.76	1,897	Cyfluthrin, beta	3	NO	NO
352-652	DUPONT ADVION COCKROACH GEL BAIT	0.00	77.37	1,760	Indoxacarb	3	NO	NO
Herbicides								
62719-556	ACCORD XRT II	474.68	15.16	730	Glyphosate, dimethylammonium salt	3	NO	NO
524-475	ROUNDUP ULTRA HERBICIDE	200.77	51.08	619	Glyphosate, isopropylamine salt	3	NO	NO
62719-527	GARLON 4 ULTRA	171.71	0.00	300	Triclopyr	2	NO	NO
241-341	PENDULUM 3.3 EC HERBICIDE	187.61	0.00	241	Pendimethalin	3	YES	NO
228-397	RIVERDALE VANQUISH HERBICIDE	51.17	0.00	213	Dicamba, diglycolamine salt	3	NO	NO
241-360	LESCO PRE-M 3.3EC TURF HERBICIDE	206.13	63.19	200	Pendimethalin	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
352-622	DUPONT OUST EXTRA HERBICIDE	1.89	0.00	185	Sulfometuron methyl; Metsulfuron-methyl	3	NO	NO
524-454	ROUNDUP ORIGINAL II HERBICIDE	164.51	0.00	180	Glyphosate, isopropylamine salt	2	NO	NO
62719-176	PATHFINDER II	161.88	0.00	168	Triclopyr, butoxyethyl ester	3	NO	NO
524-579	ROUNDUP PROMAX	37.20	143.13	164	Glyphosate, potassium salt	3	NO	NO
Fungicides								
432-942	BANOL TURF AND ORNAMENTAL FUNGICIDE	92.00	4.00	45	Propamocarb hydrochloride	3	NO	NO
70299-1	ZEROTOL ALGAECIDE/FUNGICIDE	13.75	0.00	39	Hydrogen peroxide	1	NO	NO
100-1093	HERITAGE FUNGICIDE	0.00	70.79	39	Azoxystrobin	3	NO	NO
100-892	ARBOTECT 20-S FUNGICIDE	24.52	0.00	38	Thiabendazole	3	NO	NO
432-890	ALIETTE WDG BRAND FUNGICIDE	0.00	1,562.00	37	Fosetyl-Al	3	NO	NO
50534-202	MANICURE ULTREX TURF & ORNAMENTAL	97.50	602.00	34	Chlorothalonil	1	YES	NO
60063-3	LESCO MANICURE ULTRA	39.44	1,512.50	33	Chlorothalonil	2	YES	NO
66222-149	ARMOR TECH CLT 825	0.00	1,065.00	33	Chlorothalonil	2	YES	NO
432-1360	BAYLETON 50 TURF AND ORNAMENTAL FUNGICIDE IN WATER	4.53	390.49	31	Triadimefon	3	YES	YES
60063-7	LESCO MANICRUE 6FL	162.50	0.00	28	Chlorothalonil	2	YES	NO
Other								
2724-421	ZOECON RF-292 BRIQUET	0.00	89.12	2,781	S-Methoprene	3	NO	NO
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	7.78	6.23	1,086	(7S)-Hydroprene	3	NO	NO
2724-351	ZOECON GENCOR 9% EMULSIFIABLE CONCENTRATE	0.53	0.00	50	(7S)-Hydroprene	3	NO	NO
69117-7	PINSCHER PGR	0.08	0.00	39	Dikegulac sodium	3	NO	NO
80917-4	SHAKE-AWAY CRITTER REPELLENT GRANULES	0.00	208.80	19	Fox urine	3	NO	NO
60061-71	PETTIT MARINE PAINT PREMIUM SINGLE SEASON ABLATIVE	14.00	0.00	13	Copper oxide (ous)	2	NO	NO
71096-7	ORTHO BUG-GETA SNAIL & SLUG KILLER 1	0.00	3.81	8	Metaaldehyde	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
100-1014	PACLOBUTRAZOL 2SC	0.00	5.25	7	Paclobutrazol	3	NO	NO
67356-1	DEER-OFF DEER REPELLANT CONCENTRATE	1.19	0.00	6	Capsicum oleoresin; Garlic; Putrescent whole egg solids	3	NO	NO
81117-1	RO-PEL ANIMAL & RODENT REPELLENT	0.31	0.00	5	Benzyldiethyl [(2,6-xylylcarbamoyl)methyl] ammonium saccharide; Thymol	3	NO	NO

C. CHANGES IN PESTICIDE USE

The level of completeness of agency pesticide reporting has improved dramatically over the past three 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 2009 to 2010 there was a 9% increase in use of insecticides reported by volume. It appears some of the progress in moving away from the use of residual spray and aerosol products by many agencies has slowed. There was a drop of 36% in insecticides reported by weight due to reductions in both WNV larvacides and “Best Management Practices” gel and bait products. The data for baits and gels showed a large 63% decline in amount used by weight and 30% reduction in the number of applications. The reduction in these “Best Management Practices” products may be the result of long term improvement in persistent pest problems through more effective control, or may be due to a move back to residual spray pyrethroids. The answer to this question is best answered in a more in-depth follow up analysis of the data for these two classes of insecticides over the last three years. “Best Management Practices” 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 decreased by 69% in 2010, mainly due to a steep reduction in the use of post-emergent herbicides such as glyphosate products. This could be the result a move back to a more expected level of herbicide use after an anomalous increase in 2009. The reason for the steep increase that year was likely due to variable weather conditions more conducive to weed growth and discreet projects by the Parks department to control invasive species after previous years of delayed maintenance in remote, often wooded, parkland.

There was also a 58% increase in rodenticide use reaching similar levels from 2008. Perhaps data reporting anomalies may have contributed to the relatively lower quantities reported in 2009.

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 2010 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 2010.

Table 3: Types of Pesticides Used by ACS in 2010

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	24.1	94.4%	40	25.2%
Insecticide	0.4	100.0%	1.4	5.6%	119	74.8%
Totals	0.4		25.6		159	

Table 4: Pesticide Products Used by ACS in 2010 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	12.25	24	Diphacinone	3	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	5.56	9	Bromadiolone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	5.88	6	Bromadiolone	3	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.00	0.44	1	Bromadiolone	3	NO	NO
Insecticides								
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	0.31	0.00	80	Esfenvalerate	3	NO	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.13	0.00	32	Esfenvalerate	3	NO	NO
64405-2	REDZONE BAIT	0.00	1.31	5	Boric acid	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	0.11	2	Avermectin	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. No data was received for DFTA in 2010.

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 2010.

Table 5: Types of Pesticides Used by BOE in 2010

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	63.7	98.7%	49	38.6%
Insecticide	0.2	100.0%	0.8	1.3%	78	61.4%
Totals	0.2		64.6		127	

Table 6: Pesticide Products Used by BOE in 2010 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	61.31	44	Diphacinone	3	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	1.31	3	Bromadiolone	3	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.00	1.10	2	Bromadiolone	3	NO	NO
Insecticides								
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	0.17	0.25	51	Esfenvalerate	3	NO	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.01	0.44	24	Esfenvalerate	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	0.14	3	Avermectin	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 2010.

Table 7: Types of Pesticides Used by BPL in 2010

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.3	57.3%	33.0	44.4%	95	10.8%
Insecticide	47.2	99.5%	41.4	55.6%	784	89.2%
Totals	47.4		74.4		879	

Table 8: Pesticide Products Used by BPL in 2010 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	12.00	28	Bromadiolone	3	NO	NO
7173-202	MAKI MINI BLOCKS	0.00	9.19	26	Bromadiolone	3	NO	NO
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	7.32	25	Difethialone	3	NO	NO
100-1055	WEATHERBLOK BAIT WITH BITREX	0.00	3.57	9	Brodifacoum	3	NO	NO
12455-16	ZP TRACKING POWDER	0.00	0.38	3	Zinc phosphide	1	NO	NO
7173-113	ROZOL TRACKING POWDER	0.00	0.38	2	Chlorophacinone	2	NO	NO
12455-61	LIQUA-TOX II	0.25	0.00	1	Diphacinone, sodium salt	3	NO	NO
7173-188	MAKI RAT AND MOUSE BAIT PACKS (PELLETS)	0.00	0.19	1	Bromadiolone	3	NO	NO
Insecticides								
352-652	DUPONT ADVION COCKROACH GEL BAIT	0.00	10.57	473	Indoxacarb	3	NO	NO
279-3384	ROACH KIL COMMERCIAL	0.00	21.33	151	Boric acid	3	NO	NO
432-763	SUSPEND SC INSECTICIDE	20.86	0.00	48	Deltamethrin	3	NO	NO
100-1066	DEMAND CS INSECTICIDE	12.19	0.00	42	Cyhalothrin, lambda	3	NO	NO
432-1363	TEMPO SC INSECTICIDE	6.89	0.00	21	Cyfluthrin, beta	3	NO	NO
432-1264	MAXFORCE FC ANT KILLER BAIT GEL	0	0.84	11	Fipronil	3	YES	NO
432-1304	TEMPO 10 WP INSECTICIDE	2.00	0.00	7	Cyfluthrin, beta	3	NO	NO
1677-191	ECO2000-GR	0.00	0.81	6	Boric acid	3	NO	NO
432-772	DELTA DUST	0.00	0.52	6	Deltamethrin	3	NO	NO
73079-1	INTICE SWEET ANT GEL	0.00	0.17	5	Boric acid	3	NO	NO
8033-96	TRANSPORT (R) GHP INSECTICIDE	2.25	0.00	2	Acetamiprid; Bifenthrin	3	YES	NO
432-992	DRIONE INSECTICIDE	0.00	0.75	2	Pyrethrins; Piperonyl butoxide; Silica gel	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
655-802	PRENTOX LARVA-LUR CONTAINS PROPOXUR	0.00	0.31	2	Propoxur	3	YES	NO
499-304	WHITMIRE OPTEM ME PT 600	3.00	0.00	1	Cyfluthrin	3	NO	NO
352-627	DUPONT ADVION FIRE ANT BAIT	0.00	5.63	1	Indoxacarb	3	NO	NO
47000-73	SSI-50 INSECTICIDE	0.00	0.19	1	Pyrethrins; Piperonyl butoxide; N-octyl bicycloheptene dicarboximide	3	YES	NO
73079-9	INTICE SMART ANT GEL	0.00	0.07	1	Borax	3	NO	NO
432-1254	MAXFORCE PROFESSIONAL INSECT CONTROL ROACH KILLER	0.00	0.07	1	Hydramethylnon	3	YES	YES
149-8	TERRO ANT KILLER II	0.00	0.06	1	Borax	3	NO	NO
1021-1424	PYROCIDE FOGGING CONCENTRATE 7338	0.00	0.06	1	Pyrethrins; Piperonyl butoxide; N-octyl bicycloheptene dicarboximide	3	YES	NO
352-746	DUPONT ADVION ANT GEL	0.00	0.03	1	Indoxacarb	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 2010.

Table 9: Types of Pesticides Used by OCME in 2010

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	6.6	91.5%	15	18.8%
Insecticide	0.1	100.0%	0.6	8.5%	65	81.3%
Totals	0.1		7.2		80.0	

Table 10: Pesticide Products Used by OCME in 2010

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	5.75	13	Diphacinone	3	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.00	0.88	2	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
Insecticides								
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	0.09	0.52	52	Esfenvalerate	3	NO	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.04	0.03	12	Esfenvalerate	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	0.07	1	Avermectin	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 2010.

Table 11: Types of Pesticides Used by CUNY in 2010

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.1	0.4%	324.4	12.9%	393	25.9%
Insecticide	20.8	87.9%	113.3	4.5%	1,084	71.3%
Herbicide	2.7	11.4%	2,000.0	79.5%	15	1.0%
Fungicide	0.0	0.0%	76.0	3.0%	9	0.6%
Other	0.1	0.3%	1.0	0.0%	19	1.3%
Totals	23.6		2,514.7		1,520	

Table 12: Pesticide Products Used by CUNY in 2010 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	192.75	132	Bromadiolone	3	NO	NO
12455-80	DITRAC ALL-WEATHER BLOX	0.00	44.38	97	Diphacinone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	61.81	81	Bromadiolone	3	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.00	15.73	36	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
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	2.42	17	Difethialone	3	NO	NO
7173-218	GENERATION MINI BLOCKS	0.00	3.47	12	Difethialone	3	NO	NO
12455-61	LIQUA-TOX II	0.08	0.00	8	Diphacinone, sodium salt	3	NO	NO
12455-90	FINAL RODENTICIDE	0.00	1.43	6	Brodifacoum	3	NO	NO
56-42	BAIT BLOCK RODENTICIDE WITH PEANUT BUTTER FLAVORIZ	0.00	0.75	2	Diphacinone	3	NO	NO
7173-113	ROZOL TRACKING POWDER	0.00	1.00	1	Chlorophacinone	2	NO	NO
100-1055	WEATHERBLOK BAIT WITH BITREX	0.00	0.66	1	Brodifacoum	3	NO	NO
Insecticides								
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	27.09	254	Avermectin	3	NO	NO
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	0.08	3.96	233	Esfenvalerate	3	NO	NO
352-652	DUPONT ADVION COCKROACH GEL BAIT	0.00	3.58	147	Indoxacarb	3	NO	NO
432-763	SUSPEND SC INSECTICIDE	3.98	0.13	66	Deltamethrin	3	NO	NO
64405-2	LEGS UPI INDOOR GRANULAR BAIT	0.00	22.89	65	Boric acid	3	NO	NO
432-1255	MAXFORCE GRANULAR INSECT BAIT	0.00	5.64	39	Hydramethylnon	3	YES	YES
432-1460	MAXFORCE FC ROACH KILLER BAIT GEL F.05	0.00	20.14	36	Fipronil	3	YES	NO
73766-1	GOURMET ANT BAIT GEL	0.01	0.60	34	Disodium octaborate tetrahydrate	3	NO	NO
432-1363	TEMPO SC INSECTICIDE	0.00	1.00	30	Cyfluthrin, beta	3	NO	NO
397-13	STERI-FAB	11.62	0.00	19	Phenothrin; Isopropyl alcohol; Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride; Didecyl dimethyl ammonium chloride	2	NO	NO
432-1259	PRODUCT: RBF5	0.00	0.82	19	Fipronil	3	YES	NO
499-492	TC 228	0.02	1.32	18	Borax	3	NO	NO
432-1254	MAXFORCE PROFESSIONAL INSECT CONTROL ROACH KILLER	0.17	0.00	13	Hydramethylnon	3	YES	YES
432-763	SUSPEND SC	0.01	0.00	13	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
499-467	WHITMIRE AVERT TC 181	0.00	7.98	12	Avermectin	3	NO	NO
499-507	TC 248	0.02	0.73	10	Dinotefuran	3	NO	NO
499-304	WHITMIRE OPTEM ME PT 600	2.85	0.00	9	Cyfluthrin	3	NO	NO
67425-14	ECOPCO ACU	0.14	6.75	8	Phenylethyl propionate	3	NO	NO
73079-2	INTICE GRANULAR BAIT	0.00	6.56	8	Boric acid	3	NO	NO
73748-7	BIFENTHRIN 7.9 TERMITICIDE/INSECTICIDE	1.02	0.00	7	Bifenthrin	3	YES	NO
100-1066	DEMAND CS INSECTICIDE	0.85	0.00	7	Cyhalothrin, lambda	3	NO	NO
1021-1828	MGK ROACH BAIT 2822	0.00	0.02	7	Avermectin	3	NO	NO
352-746	DUPONT ADVION ANT GEL	0.00	0.39	5	Indoxacarb	3	NO	NO
64405-2	REDZONE BAIT	0.00	0.81	4	Boric acid	3	NO	NO
432-1373	TEMPO 1% PROFESSIONAL INSECTICIDE	0.00	1.25	3	Cyfluthrin	3	NO	NO
279-3386	DRAX ANT KIL-PF	0.00	0.03	3	Boric acid	3	NO	NO
499-531	TC 267	0.00	0.63	2	Dinotefuran	3	NO	NO
279-3393	CB-80-1 FOR INSECT CONTROL	0.00	0.50	2	Pyrethrins; Piperonyl butoxide	3	YES	NO
499-515	TC 273	0.00	0.31	2	Boric acid	3	NO	NO
432-1257	MAXFORCE ROACH BAIT F.05	0.00	0.07	2	Fipronil	3	YES	NO
499-444	WHITMIRE MICRO-GEN TC 164	0.00	0.00	1	Pyrethrins; Piperonyl butoxide	3	YES	NO
1021-1815	EVERCIDE ESFENVALERATE 6.4% CS	0.00	0.00	1	Esfenvalerate	3	NO	NO
279-3081	CYNOFF EC INSECTICIDE	0.00	0.00	1	Cypermethrin, beta	3	YES	NO
3095-72	PIC ANT KILLING SYSTEMS	0.00	0.09	1	Borax; Boric acid	3	NO	NO
73079-1	INTICE SWEET ANT GEL	0.00	0.03	1	Boric acid	3	NO	NO
432-1256	MAXFORCE FC ANT BAIT STATIONS	0.00	0.02	1	Fipronil	3	YES	NO
432-1264	MAXFORCE FC ANT KILLER BAIT GEL	0.00	0.00	1	Fipronil	3	YES	NO
Herbicides								
228-366	RAZOR HERBICIDE	1.33	0.00	6	Glyphosate, isopropylamine salt	3	NO	NO
524-475	ROUNDUP ULTRA HERBICIDE	1.12	0.00	6	Glyphosate, isopropylamine 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
62719-137	SPRING CRABGRASS CONTROL	0.00	2,000.00	2	Benfluralin; Trifluralin	3	YES	NO
228-186	BONIDE POISON IVY AND BRUSH KILLER	0.25	0.00	1	2,4-D, 2-ethylhexyl ester; 2,4-DP-P, isooctyl ester	3	NO	NO
Fungicides								
8622-56	BIOBROM C-100G	0.00	76.00	9	2,2-dibromo-3-nitrilopropionamide	1	NO	NO
Other								
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.08	1.00	19	(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 2010.

Table 13: Types of Pesticides Used by DCAS in 2010

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	226.1	98.9%	163	38.3%
Insecticide	1.3	98.2%	2.5	1.1%	260	61.0%
Other	0.0	1.8%	0.0	0.0%	3	0.7%
Totals	1.3		228.6		426	

Table 14: Pesticide Products Used by DCAS in 2010 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	201.56	129	Diphacinone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	20.63	27	Bromadiolone	3	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	3.91	7	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	0.49	0.00	129	Esfenvalerate	3	NO	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.40	0.00	76	Esfenvalerate	3	NO	NO
499-304	WHITMIRE OPTEM ME PT 600	0.18	0.00	34	Cyfluthrin	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	1.74	17	Avermectin	3	NO	NO
67425-14	ECOPCO ACU	0.00	0.69	2	Phenylethyl propionate	3	NO	NO
397-13	STERI-FAB	0.25	0.00	1	Phenothrin; Isopropyl alcohol; Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride; Didecyl dimethyl ammonium chloride	2	NO	NO
352-652	DUPONT ADVION COCKROACH GEL BAIT	0.00	0.06	1	Indoxacarb	3	NO	NO
Other								
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.02	0.00	3	(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 2010.

Table 15: Types of Pesticides Used by DOC in 2010

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	415.5	74.9%	390	15.3%
Insecticide	63.7	100.0%	139.2	25.1%	2,158	84.7%
Totals	63.7		554.7		2,548	

Table 16: Pesticide Products Used by DOC in 2010 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
7173-202	MAKI MINI BLOCKS	0.00	47.36	104	Bromadiolone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	55.83	78	Bromadiolone	3	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	177.88	47	Bromadiolone	3	NO	NO
7173-211	GENERATION RODENTICIDE BAIT PACKS (PELLETS)	0.00	18.02	46	Difethialone	3	NO	NO
7173-218	GENERATION MINI BLOCKS	0.00	40.63	37	Difethialone	3	NO	NO
100-1057	TALON-G RODENTICIDE MINI-PELLETS WITH BITREX	0.00	22.44	37	Brodifacoum	3	NO	NO
12455-56	DITRAC TRACKING POWDER	0.00	3.78	25	Diphacinone	2	NO	NO
7173-188	MAKI RAT AND MOUSE BAIT PACKS (PELLETS)	0.00	45.56	13	Bromadiolone	3	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	4.00	2	Bromadiolone	3	NO	NO
10182-339	WEATHERBLOK BAIT WITH BITREX	0.00	0.00	1	Brodifacoum	3	NO	NO
Insecticides								
432-763	SUSPEND SC	41.83	0.00	933	Deltamethrin	3	NO	NO
432-1259	PRODUCT: RBF5	0.00	31.21	279	Fipronil	3	YES	NO
432-1254	MAXFORCE PROFESSIONAL INSECT CONTROL ROACH KILLER	18.00	10.10	224	Hydramethylnon	3	YES	YES
432-1363	TEMPO SC INSECTICIDE	3.05	0.02	185	Cyfluthrin, beta	3	NO	NO
100-1066	DEMAND CS INSECTICIDE	0.49	0.00	94	Cyhalothrin, lambda	3	NO	NO
64405-2	REDZONE BAIT	0.00	23.67	67	Boric acid	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	6.77	67	Avermectin	3	NO	NO
432-1264	MAXFORCE FC ANT KILLER BAIT GEL	0.00	4.64	52	Fipronil	3	YES	NO
73049-20	VECTOLEX CG BIOLOGICAL LARVICIDE	0.14	5.24	40	Bacillus sphaericus	3	NO	NO
279-3385	DRAX ANT KILL GEL	0.09	3.20	40	Boric acid	3	NO	NO
432-1262	MAXFORCE IBH10	0.00	38.33	33	Hydramethylnon	3	YES	YES
499-370	PT 370 ASCEND FIRE ANT STOPPER BAIT	0.00	4.96	33	Avermectin	3	NO	NO
499-507	TC 248	0.00	1.53	30	Dinotefuran	3	NO	NO
432-1304	TEMPO 10 WP INSECTICIDE	0.00	0.73	25	Cyfluthrin, beta	3	NO	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.07	0.00	22	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
9444-129	ROACH KIL COMMERCIAL	0.00	0.20	7	Boric acid	3	NO	NO
432-1252	MAXFORCE PROFESSIONAL INSECT CONTROL ANT KILLER BA	0.00	3.13	6	Hydramethylnon	3	YES	YES
53871-3	STIMUKIL FLY BAIT	0.00	0.36	6	(Z)-9-Tricosene; Methomyl	3	NO	NO
64240-45	COMBAT QUICK KILL ROACH KILLING GEL	0.00	0.50	4	Fipronil	3	YES	NO
64248-1	MAXFORCE ROACH CONTROL SYSTEM	0.00	0.09	4	Hydramethylnon	3	YES	YES
499-294	AVERT PRESCRIPTION TREATMENT 310	0.00	0.03	4	Avermectin	3	NO	NO
64405-2	ECOLOGICAL ANT & INSECT BAIT	0.00	4.25	2	Boric acid	3	NO	NO
4816-353	DRIONE INSECTICIDE	0.00	0.25	1	Pyrethrins; Piperonyl butoxide; Silica gel	3	YES	NO

Education

Pest management at all New York City public schools is overseen by the Department of Education (DOE) with fourteen in-house staff members 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 2010.

Table 17: Types of Pesticides Used by DOE in 2010

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.1	0.1%	3,022.4	77.0%	6,843	36.7%
Insecticide	89.1	99.9%	903.7	23.0%	11,780	63.3%
Totals	89.2		3,926.1		18,623	

Table 18: Pesticide Products Used by DOE in 2010 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	0.00	1,139.56	3,001	Difethialone	3	NO	NO
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	571.18	1,738	Difethialone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.05	1,115.35	1,695	Bromadiolone	3	NO	NO
82744-2	RATIMOR SOFT BAIT	0.00	147.53	342	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
100-1057	TALON-G RODENTICIDE MINI-PELLETS WITH BITREX	0.00	25.38	44	Brodifacoum	3	NO	NO
7173-205	D-CEASE LOOSE PELLETS MOUSE AND RAT BAIT	0.00	20.27	18	Difethialone	3	NO	NO
12455-97	FASTRAC PLACE PACS	0.00	3.08	4	Bromethalin	3	NO	NO
100-1055	WEATHERBLO K BAIT WITH BITREX	0.01	0.00	1	Brodifacoum	3	NO	NO
Insecticides								
499-507	TC 248	5.01	112.36	4,063	Dinotefuran	3	NO	NO
64405-2	REDZONE BAIT	0.05	592.49	3,764	Boric acid	3	NO	NO
67425-14	ECOPCO ACU	39.61	106.22	1,267	Phenylethyl propionate	3	NO	NO
432-1460	MAXFORCE FC ROACH KILLER BAIT GEL F.05	0.00	28.63	1,104	Fipronil	3	YES	NO
73766-1	GOURMET ANT BAIT GEL	0.05	10.53	433	Disodium octaborate tetrahydrate	3	NO	NO
499-384	WHITMIRE PT 240 PERMA- DUST INSECTICIDE	5.00	0.34	200	Boric acid	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	11.76	193	Avermectin	3	NO	NO
432-1262	MAXFORCE IBH10	0.00	19.55	164	Hydramethylnon	3	YES	YES
499-497	MOTHEREART H PROCITRA- DL	5.90	0.02	147	Limonene	3	NO	NO
499-304	WHITMIRE OPTEM ME PT 600	29.16	0.01	141	Cyfluthrin	3	NO	NO
352-652	DUPONT ADVION COCKROACH GEL BAIT	0.00	3.60	138	Indoxacarb	3	NO	NO
499-370	JOHNSON WAX PROFESSIONA L BRAND GRANULAR ANT BAIT	0.00	10.05	45	Avermectin	3	NO	NO
499-492	TC 228	0.00	1.64	37	Borax	3	NO	NO
100-1066	DEMAND CS INSECTICIDE	4.00	0.00	27	Cyhalothrin, lambda	3	NO	NO
73079-10	INVICT (TM) COCKROACH GEL	0.00	0.44	16	Imidacloprid	3	NO	NO
9444-132	MOP UP	0.00	4.06	12	Disodium octaborate tetrahydrate	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
499-406	AVERT PRESCRIPTION TREATMENT TC 93A BAIT	0.00	0.31	7	Avermectin	3	NO	NO
6218-47	SUMMIT B.T.I. BRIQUETS	0.00	0.75	6	Bacillus thuringiensis subspecies Israelensis strain BMP 144	3	NO	NO
499-384	JOHNSON WAX PROFESSIONA L BRAND BORIC ACID PRESSURI	0.02	0.25	3	Boric acid	3	NO	NO
432-1251	MAXFORCE ROACH CONTROL SYSTEM	0.00	0.19	3	Hydramethylnon	3	YES	YES
352-668	DUPONT ADVION COCKROACH BAIT ARENA	0.00	0.10	3	Indoxacarb	3	NO	NO
67425-4	ECOPCO AC CONTACT INSECTICIDE	0.09	0.00	2	Eugenol; Phenylethyl propionate	3	NO	NO
64405-2	LEGS UP! INDOOR GRANULAR BAIT	0.00	0.38	2	Boric acid	3	NO	NO
432-1257	MAXFORCE ROACH BAIT F.05	0.00	0.04	2	Fipronil	3	YES	NO
2724-484	RF 9707 AEROSOL	0.25	0.00	1	(7S)-Hydroprene	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 2010.

Table 19: Types of Pesticides Used by DEP in 2010

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	30.6	34.8%	152	20.8%
Insecticide	15.5	30.2%	57.1	65.2%	542	74.2%
Herbicide	35.7	69.8%	0.0	0.0%	36	4.9%
Totals	51.1		87.7		730	

Table 20: Pesticide Products Used by DEP in 2010 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	0.00	15.18	128	Difethialone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	7.25	12	Bromadiolone	3	NO	NO
12455-80	DITRAC ALL-WEATHER BLOX	0.00	5.88	6	Diphacinone	3	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	2.06	4	Bromadiolone	3	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.00	0.11	1	Bromadiolone	3	NO	NO
12455-89	FINAL ALL-WEATHER BLOX	0.00	0.09	1	Brodifacoum	3	NO	NO
Insecticides								
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	9.18	180	Avermectin	3	NO	NO
1021-1641	SPECKOZ EVERCIDE ESFENVALERAT E EC	11.84	0.59	132	Esfenvalerate	3	NO	NO
432-763	SUSPEND SC INSECTICIDE	0.63	0.00	80	Deltamethrin	3	NO	NO
64405-2	REDZONE BAIT	0.00	24.75	76	Boric acid	3	NO	NO
9688-190	SPECTRACIDE DESTROYER BRAND WASP & HORNET KILLER	2.75	0.00	37	Cyhalothrin, lambda; Prallethrin	3	NO	NO
73049-20	VECTOLEX CG BIOLOGICAL LARVICIDE	0.00	22.56	16	Bacillus sphaericus	3	NO	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.02	0.06	14	Esfenvalerate	3	NO	NO
149-8	TERRO ANT KILLER II	0.20	0.00	5	Borax	3	NO	NO
279-3387	AEROSOL BORIC ACID	0.02	0.00	1	Boric acid	3	NO	NO
499-496	TC 234	0.01	0.00	1	Avermectin	3	NO	NO
Herbicides								
524-343	ROUNDUP CUSTOM HERBICIDE	6.56	0.00	19	Glyphosate, isopropylamine salt	3	NO	NO
524-475	ROUNDUP ULTRA HERBICIDE	25.28	0.00	7	Glyphosate, isopropylamine salt	3	NO	NO
67760-49	GLYFOS CONCENTRATE 41% WEED & GRASS KILLER	0.18	0.00	4	Glyphosate, isopropylamine 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
71995-29	ROUNDUP WEED & GRASS KILLER CONCENTRATE PLUS	0.79	0.00	3	Glyphosate, isopropylamine salt; Diquat dibromide	3	NO	NO
524-529	ROUNDUP PRO CONCENTRATE	0.38	0.00	2	Glyphosate, isopropylamine salt	3	NO	NO
228-397	RIVERDALE VANQUISH HERBICIDE	2.50	0.00	1	Dicamba, diglycolamine salt	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 2010.

Table 21: Types of Pesticides Used by DOF in 2010

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	28.0	90.7%	43	32.8%
Insecticide	0.2	100.0%	2.9	9.3%	88	67.2%
Totals	0.2		30.9		131	

Table 22: Pesticide Products Used by DOF in 2010 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	23.88	36	Bromadiolone	3	NO	NO
12455-80	DITRAC ALL-WEATHER BLOX	0.00	3.94	6	Diphacinone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	0.19	1	Bromadiolone	3	NO	NO
Insecticides								
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	0.17	0.00	40	Esfenvalerate	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	2.86	30	Avermectin	3	NO	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.06	0.00	18	Esfenvalerate	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 2010.

Table 23: Types of Pesticides Used by FDNY in 2010

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.1%	387.8	97.5%	605	41.1%
Insecticide	27.1	98.7%	9.8	2.5%	821	55.8%
Other	0.3	1.3%	0.0	0.0%	45	3.1%
Totals	27.4		397.6		1,471	

Table 24: Pesticide Products Used by FDNY in 2010 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	0.02	156.44	206	Diphacinone	3	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	107.50	197	Bromadiolone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	103.74	148	Bromadiolone	3	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.00	16.76	39	Bromadiolone	3	NO	NO
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	1.54	10	Difethialone	3	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	1.81	5	Bromadiolone	3	NO	NO
Insecticides								
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	1.42	0.00	540	Esfenvalerate	3	NO	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.45	0.00	168	Esfenvalerate	3	NO	NO
397-13	STERI-FAB	25.20	0.00	52	Phenothrin; Isopropyl alcohol; Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride; Didecyl dimethyl ammonium chloride	2	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	2.38	39	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
67425-14	ECOPCO ACU	0.00	5.28	12	Phenylethyl propionate	3	NO	NO
64405-2	REDZONE BAIT	0.00	2.13	8	Boric acid	3	NO	NO
432-763	SUSPEND SC INSECTICIDE	0.01	0.00	1	Deltamethrin	3	NO	NO
499-384	WHITMIRE PT 240 PERMA-DUST INSECTICIDE	0.00	0.00	1	Boric acid	3	NO	NO
Other								
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.34	0.00	45	(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 2010

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.3	0.0%	437.9	51.8%	547	15.6%
Insecticide	674.7	93.1%	406.4	48.1%	2,913	83.1%
Herbicide	50.0	6.9%	0.0	0.0%	1	0.0%
Other	0.1	0.0%	1.4	0.2%	44	1.3%
Totals	725.1		845.7		3,505	

Table 26: Pesticide Products Used by HHC in 2010 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	245.50	277	Bromadiolone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.29	76.16	102	Bromadiolone	3	NO	NO
100-1055	WEATHERBLOK BAIT WITH BITREX	0.00	76.24	72	Brodifacoum	3	NO	NO
12455-16	ZP TRACKING POWDER	0.00	12.50	52	Zinc phosphide	1	NO	NO
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	3.44	13	Difethialone	3	NO	NO
7173-188	MAKI RAT AND MOUSE BAIT PACKS (PELLETS)	0.00	10.69	11	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
7173-172	ROZOL BLUE TRACKING POWDER	0.00	8.25	11	Chlorophacinone	2	NO	NO
12455-89	FINAL ALL-WEATHER BLOX	0.00	4.88	8	Brodifacoum	3	NO	NO
7173-113	ROZOL TRACKING POWDER	0.00	0.25	1	Chlorophacinone	2	NO	NO
Insecticides								
279-3384	ROACH KIL COMMERCIAL	0.00	221.24	744	Boric acid	3	NO	NO
352-652	DUPONT ADVION COCKROACH GEL BAIT	0.00	41.80	687	Indoxacarb	3	NO	NO
432-763	SUSPEND SC INSECTICIDE	283.77	0.00	278	Deltamethrin	3	NO	NO
432-1363	TEMPO SC INSECTICIDE	149.04	0.00	163	Cyfluthrin, beta	3	NO	NO
1021-1815	EVERCIDE ESFENVALERATE 6.4% CS	0.10	10.03	144	Esfenvalerate	3	NO	NO
432-772	DELTA DUST	0.00	19.25	135	Deltamethrin	3	NO	NO
432-1304	TEMPO 10 WP INSECTICIDE	119.25	0.00	93	Cyfluthrin, beta	3	NO	NO
499-507	TC 248	0.00	2.40	77	Dinotefuran	3	NO	NO
67425-14	ECOPCO ACU	0.00	16.94	71	Phenylethyl propionate	3	NO	NO
100-1066	DEMAND CS INSECTICIDE	82.76	0.00	66	Cyhalothrin, lambda	3	NO	NO
1677-191	ECO2000-GR	0.00	22.94	65	Boric acid	3	NO	NO
499-515	TC 273	0.00	10.83	51	Boric acid	3	NO	NO
499-406	AVERT PRESCRIPTION TREATMENT TC 93A BAIT	0.00	1.76	51	Avermectin	3	NO	NO
64405-2	REDZONE BAIT	0.00	7.50	46	Boric acid	3	NO	NO
499-294	AVERT PRESCRIPTION TREATMENT 310	0.00	2.72	39	Avermectin	3	NO	NO
2724-375	ALTOSID BRIQUETS	0.23	12.26	30	S-Methoprene	3	NO	NO
499-492	TC 228	0.00	0.70	27	Borax	3	NO	NO
1021-1603	NYLAR 10EC	23.25	0.00	18	Pyriproxyfen	3	NO	NO
499-470	WHITMIRE MICRO-GEN TC 198	0.00	5.74	16	Cyfluthrin	3	NO	NO
2724-469	ZOECON (S)-HYDROPRENE ROACH CONTROL STATION II	0.05	3.50	15	(7S)-Hydroprene	3	NO	NO
73079-1	INTICE SWEET ANT GEL	0.00	0.30	15	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
499-496	TC 234	0.00	1.18	13	Avermectin	3	NO	NO
352-746	DUPONT ADVION ANT GEL	0.00	0.35	12	Indoxacarb	3	NO	NO
47000-73	SSI-50 INSECTICIDE	0.00	7.00	9	Pyrethrins; Piperonyl butoxide; N-octyl bicycloheptene dicarboximide	3	YES	NO
1677-196	ECO 2000-XP FRESHBAIT	0.00	1.22	9	Boric acid	3	NO	NO
149-8	TERRO ANT KILLER II	0.00	0.23	9	Borax	3	NO	NO
655-802	PRENTOX LARVA-LUR CONTAINS PROPOXUR	0.00	5.31	5	Propoxur	3	YES	NO
53871-3	STIMUKIL FLY BAIT	0.00	3.00	4	(Z)-9-Tricosene; Methomyl	3	NO	NO
1677-195	ECO2000-RX FRESHBAIT	0.00	0.36	4	Boric acid	3	NO	NO
499-304	WHITMIRE OPTEM ME PT 600	4.75	0.00	3	Cyfluthrin	3	NO	NO
352-668	DUPONT ADVION COCKROACH BAIT ARENA	0.00	0.21	3	Indoxacarb	3	NO	NO
8033-96	TRANSPORT (R) GHP INSECTICIDE	1.50	0.00	2	Acetamiprid; Bifenthrin	3	YES	NO
6218-47	SUMMIT B.T.I. BRIQUETS	0.00	6.87	2	Bacillus thuringiensis subspecies israelensis strain BMP 144	3	NO	NO
73766-1	GOURMET ANT BAIT GEL	0.00	0.19	2	Disodium octaborate tetrahydrate	3	NO	NO
7969-210	TERMIDOR SC TERMITICIDE/INSECTICIDE	10.00	0.00	1	Fipronil	3	YES	NO
352-627	DUPONT ADVION FIRE ANT BAIT	0.00	0.25	1	Indoxacarb	3	NO	NO
2724-274	GOLDEN MALRIN RF-128 FLY KILLER	0.00	0.19	1	Methomyl; (Z)-9-Tricosene	3	NO	NO
73079-9	INTICE SMART ANT GEL	0.00	0.13	1	Borax	3	NO	NO
432-1254	MAXFORCE PROFESSIONAL INSECT CONTROL ROACH KILLER	0.00	0.01	1	Hydramethylnon	3	YES	YES
Herbicide								
524-475	ROUNDUP ULTRA HERBICIDE	50.00	0.00	1	Glyphosate, isopropylamine salt	3	NO	NO
Other								
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.09	1.44	44	(7S)-Hydroprene	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 2010.

Table 27: Types of Pesticides Used by DOHMH in 2010

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	19,426.2	28.3%	22,493	78.9%
Insecticide	6.5	100.0%	49,128.0	71.7%	6,030	21.1%
Totals	6.5		68,554.2		28,523	

Table 28: Pesticide Products Used by DOHMH in 2010 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	8,059.86	6,978	Brodifacoum	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	2,389.61	5,222	Bromadiolone	3	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.00	4,811.74	4,871	Bromadiolone	3	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	2,912.00	3,248	Bromadiolone	3	NO	NO
100-1055	WEATHERBLOK BAIT WITH BITREX	0.00	999.65	1,636	Brodifacoum	3	NO	NO
100-1052	TALON-G RODENTICIDE PELLETS WITH BITREX	0.00	131.45	189	Brodifacoum	3	NO	NO
100-1051	TALON-G RODENTICIDE BAIT PACK PELLETS WITH BITREX	0.00	46.67	95	Brodifacoum	3	NO	NO
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	16.80	92	Difethialone	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
12455-69	CONTRAC RODENTICIDE	0.00	27.80	89	Bromadiolone	3	NO	NO
12455-80	DITRAC ALL-WEATHER BLOX	0.00	17.34	43	Diphacinone	3	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	8.28	19	Bromadiolone	3	NO	NO
100-1057	TALON-G RODENTICIDE MINI-PELLETS WITH BITREX	0.00	3.64	6	Brodifacoum	3	NO	NO
12455-89	FINAL ALL-WEATHER BLOX	0.00	1.33	4	Brodifacoum	3	NO	NO
7173-188	MAKI RAT AND MOUSE BAIT PACKS (PELLETS)	0.00	0.06	1	Bromadiolone	3	NO	NO
Insecticides								
73049-20	VECTOLEX CG BIOLOGICAL LARVICIDE	0.00	42,325.91	5,218	Bacillus sphaericus	3	NO	NO
73049-19	VECTOBAC CG BIOLOGICAL LARVICIDE GRANULES	0.00	5,290.45	347	Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52	3	NO	NO
432-1259	PRODUCT: RBF5	0.00	1.68	92	Fipronil	3	YES	NO
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	0.27	0.00	87	Esfenvalerate	3	NO	NO
1021-1688	ANVIL 10+10 ULV	0.00	1,501.76	80	Phenothrin; Piperonyl butoxide	3	YES	NO
499-406	AVERT PRESCRIPTION TREATMENT TC 93A BAIT	0.00	1.33	51	Avermectin	3	NO	NO
499-507	TC 248	0.00	0.87	39	Dinotefuran	3	NO	NO
352-652	DUPONT ADVION COCKROACH GEL BAIT	0.00	0.77	35	Indoxacarb	3	NO	NO
432-1251	MAXFORCE ROACH CONTROL SYSTEM	0.00	0.37	23	Hydramethylnon	3	YES	YES
279-3384	ROACH KIL COMMERCIAL	0.00	0.10	23	Boric acid	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	0.82	11	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
397-13	STERI-FAB	5.25	0.00	6	Phenothrin; Isopropyl alcohol; Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride; Didecyl dimethyl ammonium chloride	2	NO	NO
432-763	SUSPEND SC	0.04	0.00	3	Deltamethrin	3	NO	NO
432-1377	TEMPO ULTRA WSP	0.04	0.00	3	Cyfluthrin, beta	3	NO	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.01	0.00	3	Esfenvalerate	3	NO	NO
67425-14	ECOPCO ACU	0.00	3.19	3	Phenylethyl propionate	3	NO	NO
149-8	TERRO ANT KILLER II	0.23	0.00	2	Borax	3	NO	NO
64405-2	REDZONE BAIT	0.00	0.75	2	Boric acid	3	NO	NO
67425-19	ECOPCO JET/X	0.63	0.00	1	Phenylethyl propionate; Piperonyl butoxide	3	YES	NO
2724-352	ZOECON RF-291 EMULSIFIABLE CONCENTRATE WITH PRECOR	0.01	0.00	1	S-Methoprene	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 2010.

Table 29: Types of Pesticides Used by DHS in 2010

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	229.8	92.6%	149	38.3%
Insecticide	98.1	99.8%	18.3	7.4%	230	59.1%
Other	0.2	0.2%	0.0	0.0%	10	2.6%
Totals	98.3		248.1		389	

Table 30: Pesticide Products Used by DHS in 2010 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	100.75	71	Diphacinone	3	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.00	67.56	34	Bromadiolone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	44.23	27	Bromadiolone	3	NO	NO
12455-16	ZP TRACKING POWDER	0.00	0.63	8	Zinc phosphide	1	NO	NO
56-42	BAIT BLOCK RODENTICIDE WITH PEANUT BUTTER FLAVORIZ	0.00	4.75	5	Diphacinone	3	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	11.88	4	Bromadiolone	3	NO	NO
Insecticides								
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	0.39	1.82	104	Esfenvalerate	3	NO	NO
432-763	SUSPEND SC INSECTICIDE	0.38	0.00	82	Deltamethrin	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	6.18	16	Avermectin	3	NO	NO
67425-14	ECOPCO ACU	0.00	8.50	9	Phenylethyl propionate	3	NO	NO
397-13	STERI-FAB	97.10	0.00	8	Phenothrin; Isopropyl alcohol; Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride; Didecyl dimethyl ammonium chloride	2	NO	NO
432-1259	PRODUCT: RBF5	0.00	0.04	5	Fipronil	3	YES	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.00	0.01	3	Esfenvalerate	3	NO	NO
499-467	WHITMIRE AVERT TC 181	0.00	1.75	2	Avermectin	3	NO	NO
73748-7	BIFENTHRIN 7.9 TERMITICIDE/INSECTICIDE	0.25	0.00	1	Bifenthrin	3	YES	NO
Other								
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.16	0.00	10	(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 2010.

Table 31: Types of Pesticides Used by NYCHA in 2010

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	41.4	3.2%	14,069.3	90.0%	14,187	25.7%
Insecticide	1,226.5	96.2%	1,513.9	9.7%	37,293	67.6%
Other	7.2	0.6%	47.2	0.3%	3,720	6.7%
Totals	1,275.1		15,630.4		55,200	

Table 32: Ten Most Frequently Applied Pesticide Products by NYCHA in 2010 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	16.89	5,539.30	8,858	Bromadiolone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	14.79	6,845.13	3,457	Bromadiolone	3	NO	NO
12455-56	DITRAC TRACKING POWDER	7.01	892.07	659	Diphacinone	2	NO	NO
7173-208	MAKI RODENTICIDE BAIT PACKS (PELLETS)	2.73	275.18	619	Bromadiolone	3	NO	NO
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	152.84	326	Difethialone	3	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	42.21	104	Bromadiolone	3	NO	NO
56-42	BAIT BLOCK RODENTICIDE WITH PEANUT BUTTER FLAVORIZ	0.00	201.00	54	Diphacinone	3	NO	NO
12455-5	DITRAC ALL-WEATHER CAKE	0.00	111.02	48	Diphacinone	3	NO	NO
12455-100	FASTRAC MOUSE SEED PLACE PAC	0.00	4.16	30	Bromethalin	3	NO	NO
12455-108	FORMUS ALL-WEATHER BLOX	0.00	3.88	22	Brodifacoum	0	NO	NO
12455-89	FINAL ALL-WEATHER BLOX	0.00	2.02	7	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
100-1057	TALON-G RODENTICIDE MINI- PELLETS WITH BITREX	0.00	0.33	2	Brodifacoum	3	NO	NO
100-1050	TALON-G RODENTICIDE BAIT PACK MINI-PELLETS WITH BI	0.00	0.17	1	Brodifacoum	3	NO	NO
Insecticides								
432-763	SUSPEND SC INSECTICIDE	380.89	121.99	23,601	Deltamethrin	3	NO	NO
499-304	WHITMIRE OPTEM ME PT 600	124.01	74.19	7,183	Cyfluthrin	3	NO	NO
397-13	STERI-FAB	704.12	760.12	3,462	Phenothrin; Isopropyl alcohol; Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride; Didecyl dimethyl ammonium chloride	2	NO	NO
432-1257	MAXFORCE ROACH BAIT F.05	0.14	267.23	1,246	Fipronil	3	YES	NO
432-1259	PRODUCT: RBF5	1.75	64.95	1,094	Fipronil	3	YES	NO
499-306	WHITMIRE TALSTAR PT 1800 TOTAL RELEASE INSECTICIDE	0.00	4.45	185	Bifenthrin	3	YES	NO
432-1254	MAXFORCE PROFESSIONAL INSECT CONTROL ROACH KILLER	0.00	5.49	101	Hydramethyln n	3	YES	YES
432-763	SUSPEND SC	0.61	0.02	97	Deltamethrin	3	NO	NO
9444-217	CB INSECTICIDE WITH DELTAMETHRIN	6.62	0.00	64	Deltamethrin	3	NO	NO
352-652	DUPONT ADVION COCKROACH GEL BAIT	0.00	3.64	60	Indoxacarb	3	NO	NO
1021-1815	EVERCIDE ESFENVALERATE 6.4% CS	0.23	0.00	44	Esfenvalerate	3	NO	NO
352-668	DUPONT ADVION COCKROACH BAIT ARENA	0.00	52.45	42	Indoxacarb	3	NO	NO
64405-2	ECOLOGICAL ANT & INSECT BAIT	0.00	2.38	21	Boric acid	3	NO	NO
67425-14	ECOPCO ACU	2.66	0.00	20	Phenylethyl propionate	3	NO	NO
499-507	TC 248	0.00	0.90	17	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
1021-1767	MULTICIDE LICE & DUST MITE SPRAY 27911	4.34	153.81	14	Phenothrin; N-octyl bicycloheptene dicarboximide	3	YES	NO
100-1066	DEMAND CS INSECTICIDE	0.02	0.00	10	Cyhalothrin, lambda	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	0.36	7	Avermectin	3	NO	NO
1021-1773	ZPRO ZYY IMPACT RESIDUAL AEROSOL	0.82	0.00	6	Esfenvalerate	3	NO	NO
279-3070	CYNOFF WP INSECTICIDE	0.00	0.75	6	Cypermethrin, beta	2	YES	NO
100-1082	DEMAND PESTAB INSECTICIDE	0.00	0.07	3	Cyhalothrin, lambda	2	NO	NO
432-772	DELTA DUST	0.01	0.00	2	Deltamethrin	3	NO	NO
73049-20	VECTOLEX CG BIOLOGICAL LARVICIDE	0.00	0.04	2	Bacillus sphaericus	3	NO	NO
352-664	DUPONT ADVION ANT BAIT ARENA	0.00	0.04	2	Indoxacarb	3	NO	NO
432-992	DRIONE INSECTICIDE	0.25	0.00	1	Pyrethrins; Piperonyl butoxide; Silica gel	3	YES	NO
6218-47	SUMMIT B.T.I. BRIQUETS	0.00	0.93	1	Bacillus thuringiensis subspecies israelensis strain BMP 144	3	NO	NO
352-746	DUPONT ADVION ANT GEL	0.00	0.07	1	Indoxacarb	3	NO	NO
499-492	TC 228	0.00	0.02	1	Borax	3	NO	NO
Other								
2724-421	ZOECON RF-292 BRIQUET	0.00	44.37	2,775	S-Methoprene	3	NO	NO
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	6.69	2.81	895	(7S)-Hydroprene	3	NO	NO
2724-351	ZOECON GENCOR 9% EMULSIFIABLE CONCENTRATE	0.53	0.00	50	(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 2010.

Table 33: Types of Pesticides Used by HPD in 2010

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.2	37.1%	311.2	99.8%	291	22.6%
Insecticide	0.3	57.9%	0.5	0.2%	974	75.6%
Fungicide	0.0	0.6%	0.0	0.0%	12	0.9%
Other	0.0	4.5%	0.0	0.0%	12	0.9%
Totals	0.6		311.8		1,289	

Table 34: Pesticide Products Used by HPD in 2010

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	0.21	273.77	244	Bromadiolone	3	NO	NO
12455-80	DITRAC ALL-WEATHER BLOX	0.00	31.25	37	Diphacinone	3	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	5.34	9	Bromadiolone	3	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.00	0.88	1	Bromadiolone	3	NO	NO
Insecticides								
432-1363	TEMPO SC INSECTICIDE	0.13	0.00	909	Cyfluthrin, beta	3	NO	NO
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	0.13	0.00	34	Esfenvalerate	3	NO	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.05	0.00	12	Esfenvalerate	3	NO	NO
432-763	SUSPEND SC INSECTICIDE	0.02	0.00	11	Deltamethrin	3	NO	NO
352-652	DUPONT ADVION COCKROACH GEL BAIT	0.00	0.52	7	Indoxacarb	3	NO	NO
655-798	PRENTOX EXCITE (R)	0.01	0.00	1	Pyrethrins; Piperonyl butoxide	3	YES	NO
Other								
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.03	0.00	12	(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 2010.

Table 35: Types of Pesticides Used by DJJ in 2010

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	48.0	93.8%	74	28.8%
Insecticide	0.3	100.0%	3.2	6.2%	183	71.2%
Totals	0.3		51.2		257	

Table 36: Pesticide Products Used by DJJ in 2010 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	29.09	39	Bromadiolone	3	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	13.75	21	Bromadiolone	3	NO	NO
12455-80	DITRAC ALL-WEATHER BLOX	0.00	5.13	13	Diphacinone	3	NO	NO
7173-258	D-CON BAIT PASTE POUCHES	0.00	0.03	1	Difethialone	3	NO	NO
Insecticides								
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	0.25	1.48	118	Esfenvalerate	3	NO	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.00	1.47	62	Esfenvalerate	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	0.24	3	Avermectin	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 2010.

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 2010

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.7	0.0%	1,118.4	4.8%	2,535	16.4%
Insecticide	568.5	15.1%	3,882.0	16.8%	9,365	60.7%
Herbicide	1,592.3	42.3%	4,016.2	17.3%	2,593	16.8%
Fungicide	1,565.0	41.6%	13,882.8	59.9%	819	5.3%
Other	37.1	1.0%	263.6	1.1%	119	0.8%
Totals	3,763.6		23,163.0		15,431	

Table 38: Ten Most Frequently Applied Pesticide Products by DPR in 2010 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	0.50	631.86	1,518	Difethialone	3	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	111.69	263	Bromadiolone	3	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.21	118.51	202	Bromadiolone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	95.60	185	Bromadiolone	3	NO	NO
12455-89	FINAL ALL-WEATHER BLOX	0.00	47.72	131	Brodifacoum	3	NO	NO
7173-202	MAKI MINI BLOCKS	0.00	64.25	76	Bromadiolone	3	NO	NO
12455-97	FASTRAC PLACE PACS	0.00	5.62	33	Bromethalin	3	NO	NO
56-70	J.T. EATON AC FORMULA 90 READY-TO-USE RODENTICIDE	0.00	16.07	28	Chlorophacinone	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
12455-97	TOMCAT QUICKSTRIKE PELLETTED BAIT	0.00	0.11	24	Bromethalin	3	NO	NO
12455-80	DITRAC ALL-WEATHER BLOX	0.00	9.25	16	Diphacinone	3	NO	NO
Insecticides								
42750-117	XYTECT 75WSP INSECTICIDE	0.00	691.73	6,395	Imidacloprid	3	NO	NO
432-763	SUSPEND SC INSECTICIDE	123.73	22.64	594	Deltamethrin	3	NO	NO
432-1318	MERIT 75 WSP	0.00	422.33	541	Imidacloprid	3	NO	NO
432-1363	TEMPO SC INSECTICIDE	65.27	1.74	515	Cyfluthrin, beta	3	NO	NO
7946-25	IMICIDE HP	33.53	0.00	223	Imidacloprid	3	NO	NO
352-652	DUPONT ADVION COCKROACH GEL BAIT	0.00	12.79	211	Indoxacarb	3	NO	NO
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	0.54	0.00	134	Esfenvalerate	3	NO	NO
73049-20	VECTOLEX CG BIOLOGICAL LARVICIDE	0.00	1,167.31	95	Bacillus sphaericus	3	NO	NO
64405-2	REDZONE BAIT	0.02	10.70	88	Boric acid	3	NO	NO
48813-1	SUFFOIL-X	6.09	0.00	31	Petroleum distillates	3	NO	NO
Herbicides								
524-475	ROUNDUP ULTRA HERBICIDE	124.38	51.08	605	Glyphosate, isopropylamine salt	3	NO	NO
62719-556	ACCORD XRT II	409.84	15.16	542	Glyphosate, dimethylammonium salt	3	NO	NO
62719-527	GARLON 4 ULTRA	171.71	0.00	300	Triclopyr	2	NO	NO
241-341	PENDULUM 3.3 EC HERBICIDE	187.61	0.00	241	Pendimethalin	3	YES	NO
241-360	LESCO PRE-M 3.3EC TURF HERBICIDE	206.13	63.19	200	Pendimethalin	3	YES	NO
524-579	ROUNDUP PROMAX	37.20	143.13	164	Glyphosate, potassium salt	3	NO	NO
62719-324	GLYPRO	48.75	0.00	111	Glyphosate, isopropylamine salt	3	NO	NO
100-937	PRIMO MAXX	60.93	56.53	66	Trinexapac-ethyl	3	NO	NO
71995-25	ROUNDUP WEED & GRASS KILLER SUPER CONCENTRATE	24.85	0.00	43	Glyphosate, isopropylamine salt	3	NO	NO
72112-4	GLYPHOSATE PRO 4TM	2.52	0.00	33	Glyphosate, isopropylamine salt	3	NO	NO
Fungicides								
432-942	BANOL TURF AND ORNAMENTAL FUNGICIDE	92.00	4.00	45	Propamocarb hydrochloride	3	NO	NO
70299-1	ZEROTOL ALGAECIDE/FUNGI CIDE	13.75	0.00	39	Hydrogen peroxide	1	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
100-1093	HERITAGE FUNGICIDE	0.00	70.79	39	Azoxystrobin	3	NO	NO
100-892	ARBOTECT 20-S FUNGICIDE	24.52	0.00	38	Thiabendazole	3	NO	NO
432-890	ALIETTE WDG BRAND FUNGICIDE	0.00	1,562.00	37	Fosetyl-Al	3	NO	NO
50534-202	MANICURE ULTREX TURF & ORNAMENTAL	97.50	602.00	34	Chlorothalonil	1	YES	NO
60063-3	LESCO MANICURE ULTRA	39.44	1,512.50	33	Chlorothalonil	2	YES	NO
66222-149	ARMOR TECH CLT 825	0.00	1,065.00	33	Chlorothalonil	2	YES	NO
432-1360	BAYLETON 50 TURF AND ORNAMENTAL FUNGICIDE IN WATER	4.53	390.49	31	Triadimefon	3	YES	YES
60063-7	LESCO MANICRUE 6FL	162.50	0.00	28	Chlorothalonil	2	YES	NO
Other								
69117-7	PINSCHER PGR	0.08	0.00	39	Dikegulac sodium	3	NO	NO
80917-4	SHAKE-AWAY CRITTER REPELLENT GRANULES	0.00	208.80	19	Fox urine	3	NO	NO
60061-71	PETTIT MARINE PAINT PREMIUM SINGLE SEASON ABLATIVE	14.00	0.00	13	Copper oxide (ous)	2	NO	NO
71096-7	ORTHO BUG-GETA SNAIL & SLUG KILLER 1	0.00	3.81	8	Metaldehyde	3	NO	NO
100-1014	PACLOBUTRAZOL 2SC	0.00	5.25	7	Paclobutrazol	3	NO	NO
67356-1	DEER-OFF DEER REPELLANT CONCENTRATE	1.19	0.00	6	Capsicum oleoresin; Garlic; Putrescent whole egg solids	3	NO	NO
2724-421	ZOECON RF-292 BRIQUET	0.00	44.75	6	S-Methoprene	3	NO	NO
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.00	0.98	6	(7S)-Hydroprene	3	NO	NO
81117-1	RO-PEL ANIMAL & RODENT REPELLENT	0.31	0.00	5	Benzyl-diethyl [(2,6-xylyl-carbamoyl)methyl] ammonium saccharide; Thymol	3	NO	NO
60061-14	WOOLSEY/Z*SPAR SUPER TOX ANTI-FOULING FINISH B-74	3.00	0.00	3	Copper oxide (ous)	2	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 2010.

Table 39: Types of Pesticides Used by OPA in 2010

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 2010

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 2010.

Table 41: Types of Pesticides Used by NYPD in 2010

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 2010 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								
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 2010.

Table 43: Types of Pesticides Used by DOP in 2010

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 2010

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. Table 45 summarizes pesticide use by pesticide type. Table 46 lists all pesticide products used by QPL in 2010.

Table 45: Types of Pesticides Used by QPL in 2010

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	8.4	100.0%	6	54.5%
Insecticide	1.8	100.0%	0.0	0.0%	5	45.5%
Totals	1.8		8.4		11	

Table 46: Pesticide Products Used by QPL in 2010

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	0.00	8.44	6	Bromadiolone	3	NO	NO
Insecticides								
73748-7	BIFENTHRIN 7.9 TERMITICIDE/INSECT ICIDE	1.75	0.00	4	Bifenthrin	3	YES	NO
432-763	SUSPEND SC INSECTICIDE	0.00	0.00	1	Deltamethrin	3	NO	NO

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 2010. Table 47 summarizes pesticide use by pesticide type. Table 48 lists the products used by DSNY.

Table 47: Types of Pesticides Used by DSNY in 2010

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	33.4	2.4%	15.3	39.6%	298	25.1%
Insecticide	61.7	4.5%	23.3	60.4%	534	45.0%
Herbicide	1,269.3	93.0%	0.0	0.0%	354	29.8%
Totals	1,364.5		38.6		1,186	

Table 48: List of Pesticides Applied by DSNY in 2010

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	14.80	5.27	132	Bromadiolone	3	NO	NO
12455-89	FINAL ALL-WEATHER BLOX	11.32	7.29	106	Brodifacoum	3	NO	NO
12455-76	ZEP TOTAL CONTROL PELLET PACKS TOTAL CONTROL SYSTE	7.26	2.71	60	Bromadiolone	3	NO	NO
Insecticides								
100-1066	DEMAND CS	3.02	21.00	164	Cyhalothrin, lambda	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
	INSECTICIDE							
432-763	SUSPEND SC	0.68	0.00	151	Deltamethrin	3	NO	NO
432-1363	TEMPO SC INSECTICIDE	0.13	0.00	74	Cyfluthrin, beta	3	NO	NO
432-1257	MAXFORCE ROACH BAIT F.05	19.62	1.24	51	Fipronil	3	YES	NO
432-1256	MAXFORCE FC ANT BAIT STATIONS	34.71	0.39	31	Fipronil	3	YES	NO
73766-1	GOURMET ANT BAIT GEL	0.52	0.12	30	Disodium octaborate tetrahydrate	3	NO	NO
432-1252	MAXFORCE PROFESSIONAL INSECT CONTROL ANT KILLER BA	0.06	0.14	11	Hydramethylnon	3	YES	YES
9444-168	COUNTRY VET ROACH EMBARGO WITH GROWTH INHIBITOR	2.38	0.00	8	Esfenvalerate; Prallethrin; Pyriproxyfen	3	NO	NO
432-1259	PRODUCT: RBF5	0.00	0.38	8	Fipronil	3	YES	NO
2724-274	GOLDEN MALRIN RF-128 FLY KILLER	0.63	0.00	3	Methomyl; (Z)-9- Tricosene	3	NO	NO
432-1258	MAXFORCE LARGE ROACH BAIT F.03	0.00	0.03	1	Fipronil	3	YES	NO
432-1251	MAXFORCE ROACH CONTROL SYSTEM	0.00	0.03	1	Hydramethylnon	3	YES	YES
432-1373	TEMPO 1% PROFESSIONAL INSECTICIDE	0.00	0.00	1	Cyfluthrin	3	NO	NO
Herbicides								
524-454	ROUNDUP ORIGINAL II HERBICIDE	164.51	0	180	Glyphosate, isopropylamine salt	2	NO	NO
352-601	OUST XP HERBICIDE	951.48	0	161	Sulfometuron methyl	3	NO	NO
72167-11	VEGETATION MANAGEMENT SFM 75	153.36	0	13	Sulfometuron methyl	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 49 summarizes pesticide use by pesticide type. Table 50 lists all pesticide products used by TLC in 2010.

Table 49: Types of Pesticides Used by TLC in 2010

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	1.2	95.9%	3	8.6%
Insecticide	0.1	100.0%	0.1	4.1%	32	91.4%
Other	0.0	12.9%	0.0	0.0%	1	2.9%
Totals	0.1		1.2		35	

Table 50: Pesticide Products Used by TLC in 2010

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	0.84	2	Bromadiolone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	0.31	1	Bromadiolone	3	NO	NO
Insecticides								
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	0.03	0.02	18	Esfenvalerate	3	NO	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.03	0.03	12	Esfenvalerate	3	NO	NO
432-763	SUSPEND SC INSECTICIDE	0.01	0.00	2	Deltamethrin	3	NO	NO
Other								
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.01	0.00	1	(7S)-Hydroprene	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 51 summarizes pesticide use by pesticide type. Table 52 lists all pesticide products used by DOT in 2010.

Table 51: Types of Pesticides Used by DOT in 2010

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	108.5	98.1%	112	10.2%
Insecticide	0.7	0.4%	2.1	1.9%	234	21.4%
Herbicide	193.2	99.6%	0.0	0.0%	747	68.3%
Totals	193.9		110.7		1,093	

Table 52: Pesticide Products Used by DOT in 2010

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	15.75	26	Bromadiolone	3	NO	NO
12455-80	DITRAC ALL-WEATHER BLOX	0.00	16.88	25	Diphacinone	3	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	10.22	19	Bromadiolone	3	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.00	28.38	18	Bromadiolone	3	NO	NO
56-42	BAIT BLOCK RODENTICIDE WITH PEANUT BUTTER FLAVORIZ	0.00	36.56	16	Diphacinone	3	NO	NO
12455-16	ZP TRACKING POWDER	0.00	0.75	8	Zinc phosphide	1	NO	NO
Insecticides								
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	0.38	0.00	140	Esfenvalerate	3	NO	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.19	0.00	53	Esfenvalerate	3	NO	NO
432-763	SUSPEND SC INSECTICIDE	0.12	0.00	26	Deltamethrin	3	NO	NO
432-1259	PRODUCT: RBF5	0.00	0.05	6	Fipronil	3	YES	NO
73748-7	BIFENTHRIN 7.9 TERMITICIDE/INSECTICIDE	0.01	0.00	3	Bifenthrin	3	YES	NO
499-467	WHITMIRE AVERT TC 181	0.00	1.47	3	Avermectin	3	NO	NO
64405-2	REDZONE BAIT	0.00	0.63	2	Boric acid	3	NO	NO
397-13	STERI-FAB	0.00	0.00	1	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	48.67	0.00	212	Dicamba, diglycolamine salt	3	NO	NO
62719-556	ACCORD XRT II	64.84	0.00	188	Glyphosate, dimethylammonium 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
352-622	DUPONT OUST EXTRA HERBICIDE	1.89	0.00	185	Sulfometuron methyl; Metsulfuron-methyl	3	NO	NO
62719-176	PATHFINDER II	77.75	0.00	146	Triclopyr, butoxyethyl ester	3	NO	NO
352-439	DUPONT ESCORT XP HERBICIDE	0.04	0.00	16	Metsulfuron-methyl	3	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. No data was received for DYCD in 2010.

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								
12455-86	CONTRAC RODENTICIDE PLACE PAC	16.89	10,772.92	14,139	Bromadiolone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	15.13	10,912.18	11,168	Bromadiolone	3	NO	NO
100-1050	TALON-G RODENTICIDE BAIT PACK MINI-PELLETS WITH BI	0.00	8,060.03	6,979	Brodifacoum	3	NO	NO
7173-218	GENERATION MINI BLOCKS	0.50	1,830.69	4,696	Difethialone	3	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.21	3,078.53	3,561	Bromadiolone	3	NO	NO
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	755.54	2,221	Difethialone	3	NO	NO
100-1055	WEATHERBLOK BAIT WITH BITREX	0.01	1,080.12	1,719	Brodifacoum	3	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	14.80	785.43	1,036	Bromadiolone	3	NO	NO
12455-80	DITRAC ALL-WEATHER BLOX	0.02	778.12	838	Diphacinone	3	NO	NO
7173-202	MAKI MINI BLOCKS	0.21	640.06	727	Bromadiolone	3	NO	NO
12455-56	DITRAC TRACKING POWDER	7.01	904.67	698	Diphacinone	2	NO	NO
7173-208	MAKI RODENTICIDE BAIT PACKS (PELLETS)	2.73	275.18	619	Bromadiolone	3	NO	NO
82744-2	RATIMOR SOFT BAIT	0.00	147.53	342	Bromadiolone	3	NO	NO
12455-89	FINAL ALL-WEATHER BLOX	11.32	63.32	257	Brodifacoum	3	NO	NO
100-1052	TALON-G RODENTICIDE PELLETS WITH BITREX	0.00	131.45	189	Brodifacoum	3	NO	NO
12455-16	ZP TRACKING POWDER	0.00	18.91	109	Zinc phosphide	1	NO	NO
12455-69	CONTRAC RODENTICIDE	0.00	27.95	96	Bromadiolone	3	NO	NO
100-1051	TALON-G RODENTICIDE BAIT PACK PELLETS WITH BITREX	0.00	46.67	95	Brodifacoum	3	NO	NO
56-42	BAIT BLOCK RODENTIICDE WITH PEANUT BUTTER FLAVORIZ	0.00	250.99	91	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
100-1057	TALON-G RODENTICIDE MINI- PELLETS WITH BITREX	0.00	51.78	89	Brodifacoum	3	NO	NO
12455-76	ZEP TOTAL CONTROL PELLET PACKS TOTAL CONTROL SYSTE	7.26	2.71	60	Bromadiolone	3	NO	NO
12455-5	DITRAC ALL- WEATHER CAKE	0.00	111.02	48	Diphacinone	3	NO	NO
7173-211	GENERATION RODENTICIDE BAIT PACKS (PELLETS)	0.00	18.02	46	Difethialone	3	NO	NO
7173-188	MAKI RAT AND MOUSE BAIT PACKS (PELLETS)	0.00	61.85	42	Bromadiolone	3	NO	NO
12455-97	FASTRAC PLACE PACS	0.00	8.70	37	Bromethalin	3	NO	NO
12455-100	FASTRAC MOUSE SEED PLACE PAC	0.00	4.16	30	Bromethalin	3	NO	NO
56-70	J.T. EATON AC FORMULA 90 READY- TO-USE RODENTICIDE	0.00	16.07	28	Chlorophacinone	3	NO	NO
12455-97	TOMCAT QUICKSTRIKE PELLETED BAIT	0.00	0.11	24	Bromethalin	3	NO	NO
12455-108	FORMUS ALL- WEATHER BLOX	0.00	3.88	22	Brodifacoum	0	NO	NO
7173-205	D-CEASE LOOSE PELLETS MOUSE AND RAT BAIT	0.00	20.27	18	Difethialone	3	NO	NO
7173-172	ROZOL BLUE TRACKING POWDER	0.00	8.25	11	Chlorophacinone	2	NO	NO
12455-61	LIQUA-TOX II	0.33	0.00	9	Diphacinone, sodium salt	3	NO	NO
12455-90	FINAL RODENTICIDE	0.00	1.43	6	Brodifacoum	3	NO	NO
7173-113	ROZOL TRACKING POWDER	0.00	1.63	4	Chlorophacinone	2	NO	NO
67517-72	ASSAULT MOUSE/RAT PLACE PACK	0.00	0.01	3	Bromethalin	3	NO	NO
12455-39	QUINTOX RAT AND MOUSE BAIT	0.00	0.63	1	Cholecalciferol	3	NO	NO
12455-95	FASTRAC ALL- WEATHER BLOX	0.00	0.28	1	Bromethalin	3	NO	NO
7173-76	CHEMPAR ROZOL 2% RODENTICIDE DUST CONCENTRATE	0.00	0.06	1	Chlorophacinone	1	NO	NO
12455-91	FINAL RODENTICIDE READY-TO-USE PLACE PAC	0.00	0.03	1	Brodifacoum	3	NO	NO
7173-258	D-CON BAIT PASTE POUCHES	0.00	0.03	1	Difethialone	3	NO	NO
10182-339	WEATHERBLOK BAIT WITH BITREX	0.00	0.00	1	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
Insecticides								
432-763	SUSPEND SC INSECTICIDE	815.18	144.76	25,022	Deltamethrin	3	NO	NO
499-304	WHITMIRE OPTEM ME PT 600	163.95	74.20	7,371	Cyfluthrin	3	NO	NO
42750-117	XYTECT 75WSP INSECTICIDE	0.00	691.73	6,395	Imidacloprid	3	NO	NO
73049-20	VECTOLEX CG BIOLOGICAL LARVICIDE	0.14	43,521.07	5,371	Bacillus sphaericus	3	NO	NO
499-507	TC 248	5.03	118.79	4,236	Dinotefuran	3	NO	NO
64405-2	REDZONE BAIT	0.07	670.36	4,078	Boric acid	3	NO	NO
397-13	STERI-FAB	845.37	760.12	3,573	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	17.58	9.61	2,170	Esfenvalerate	3	NO	NO
432-1363	TEMPO SC INSECTICIDE	224.51	2.76	1,897	Cyfluthrin, beta	3	NO	NO
352-652	DUPONT ADVION COCKROACH GEL BAIT	0.00	77.37	1,760	Indoxacarb	3	NO	NO
432-1259	PRODUCT: RBF5	1.75	99.20	1,512	Fipronil	3	YES	NO
67425-14	ECOPCO ACU	42.41	150.82	1,402	Phenylethyl propionate	3	NO	NO
432-1257	MAXFORCE ROACH BAIT F.05	19.76	268.58	1,301	Fipronil	3	YES	NO
432-763	SUSPEND SC	43.17	0.02	1,197	Deltamethrin	3	NO	NO
432-1460	MAXFORCE FC ROACH KILLER BAIT GEL F.05	0.00	48.77	1,140	Fipronil	3	YES	NO
279-3384	ROACH KIL COMMERCIAL	0.00	242.67	918	Boric acid	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	71.30	838	Avermectin	3	NO	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	1.88	2.04	627	Esfenvalerate	3	NO	NO
432-1318	MERIT 75 WSP	0.00	422.33	541	Imidacloprid	3	NO	NO
73766-1	GOURMET ANT BAIT GEL	0.58	11.44	499	Disodium octaborate tetrahydrate	3	NO	NO
100-1066	DEMAND CS INSECTICIDE	103.33	21.00	410	Cyhalothrin, lambda	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	5,413.27	361	Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52	3	NO	NO
432-1254	MAXFORCE PROFESSIONAL INSECT CONTROL ROACH KILLER	18.17	15.73	342	Hydramethylnon	3	YES	YES
7946-25	IMICIDE HP	33.53	0.00	223	Imidacloprid	3	NO	NO
499-384	WHITMIRE PT 240 PERMA-DUST INSECTICIDE	5.01	0.34	201	Boric acid	3	NO	NO
432-1262	MAXFORCE IBH10	0.00	57.88	197	Hydramethylnon	3	YES	YES
1021-1815	EVERCIDE ESFENVALERATE 6.4% CS	0.33	10.03	189	Esfenvalerate	3	NO	NO
499-306	WHITMIRE TALSTAR PT 1800 TOTAL RELEASE INSECTICIDE	0.00	4.45	185	Bifenthrin	3	YES	NO
432-772	DELTA DUST	0.01	20.33	164	Deltamethrin	3	NO	NO
432-1304	TEMPO 10 WP INSECTICIDE	122.63	1.10	149	Cyfluthrin, beta	3	NO	NO
499-497	MOTHEREARTH PROCITRA-DL	5.90	0.02	147	Limonene	3	NO	NO
73748-7	BIFENTHRIN 7.9 TERMITICIDE/INSECTICIDE	77.18	0.00	139	Bifenthrin	3	YES	NO
499-406	AVERT PRESCRIPTION TREATMENT TC 93A BAIT	0.00	3.57	110	Avermectin	3	NO	NO
499-492	TC 228	0.02	4.34	102	Borax	3	NO	NO
1021-1688	ANVIL 10+10 ULV	0.00	1,501.76	80	Phenothrin; Piperonyl butoxide	3	YES	NO
432-1264	MAXFORCE FC ANT KILLER BAIT GEL	0.00	5.77	73	Fipronil	3	YES	NO
1677-191	ECO2000-GR	0.00	23.75	71	Boric acid	3	NO	NO
64405-2	LEGS UP! INDOOR GRANULAR BAIT	0.00	23.26	67	Boric acid	3	NO	NO
9444-217	CB INSECTICIDE WITH DELTAMETHRIN	6.62	0.00	65	Deltamethrin	3	NO	NO
499-515	TC 273	0.00	11.14	53	Boric acid	3	NO	NO
352-668	DUPONT ADVION COCKROACH BAIT ARENA	0.00	52.76	48	Indoxacarb	3	NO	NO
499-370	JOHNSON WAX PROFESSIONAL BRAND GRANULAR ANT BAIT	0.00	10.05	45	Avermectin	3	NO	NO
499-294	AVERT PRESCRIPTION TREATMENT 310	0.00	2.75	43	Avermectin	3	NO	NO
279-3385	DRAX ANT KILL GEL	0.09	3.20	40	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
432-1255	MAXFORCE GRANULAR INSECT BAIT	0.00	5.64	39	Hydramethylnon	3	YES	YES
9688-190	SPECTRACIDE DESTROYER BRAND WASP & HORNET KILLER	2.75	0.00	37	Cyhalothrin, lambda; Prallethrin	3	NO	NO
499-370	PT 370 ASCEND FIRE ANT STOPPER BAIT	0.00	4.96	33	Avermectin	3	NO	NO
432-1256	MAXFORCE FC ANT BAIT STATIONS	34.71	0.41	32	Fipronil	3	YES	NO
48813-1	SUFFOIL-X	6.09	0.00	31	Petroleum distillates	3	NO	NO
2724-375	ALTOSID BRIQUETS	0.23	12.26	30	S-Methoprene	3	NO	NO
73079-1	INTICE SWEET ANT GEL	0.00	0.71	27	Boric acid	3	NO	NO
432-1251	MAXFORCE ROACH CONTROL SYSTEM	0.00	0.59	27	Hydramethylnon	3	YES	YES
62719-522	PROAXIS EX	3.50	30.25	26	Cyhalothrin, gamma	3	NO	NO
72-574	MILLER HOT SAUCE ANIMAL REPELLENT	0.26	0.00	25	Capsicum oleoresin	3	NO	NO
64405-2	ECOLOGICAL ANT & INSECT BAIT	0.00	6.73	25	Boric acid	3	NO	NO
100-896	AVID 0.15 EC MITICIDE/INSECTICIDE	1.34	0.00	24	Avermectin	2	NO	NO
499-467	WHITMIRE AVERT TC 181	0.00	15.44	24	Avermectin	3	NO	NO
70051-2	TRIACT 70	17.09	0.00	20	Neem oil	3	NO	NO
352-746	DUPONT ADVION ANT GEL	0.00	0.91	20	Indoxacarb	3	NO	NO
432-1252	MAXFORCE PROFESSIONAL INSECT CONTROL ANT KILLER BA	0.06	3.34	19	Hydramethylnon	3	YES	YES
1021-1603	NYLAR 10EC	23.25	0.00	18	Pyriproxyfen	3	NO	NO
149-8	TERRO ANT KILLER II	0.43	0.30	17	Borax	3	NO	NO
62719-291	CONSERVE SC TURF AND ORNAMENTAL	0.28	0.00	17	Spinosad	3	NO	NO
432-1402	DECATHLON 20 WP GREENHOUSE AND NURSERY INSECTICIDE	0.00	1.69	17	Cyfluthrin	3	NO	NO
499-470	WHITMIRE MICRO-GEN TC 198	0.00	5.74	16	Cyfluthrin	3	NO	NO
73079-10	INVICT (TM) COCKROACH GEL	0.00	0.44	16	Imidacloprid	3	NO	NO
70051-27	AZANTIN XL BIOLOGICAL INSECTICIDE	0.29	0.00	15	Azadirachtin	3	NO	NO
2724-469	ZOECON (S)-HYDROPRENE ROACH CONTROL STATION II	0.05	3.50	15	(7S)-Hydroprene	3	NO	NO
499-496	TC 234	0.01	1.19	15	Avermectin	3	NO	NO
42750-115	IMIDIPRO SYSTEMIC INSECTICIDE	40.95	0.00	14	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
100-1088	SCIMITAR GC INSECTICIDE	11.72	0.00	14	Cyhalothrin, lambda	3	NO	NO
1021-1767	MULTICIDE LICE & DUST MITE SPRAY 27911	4.34	153.81	14	Phenothrin; N-octyl bicycloheptene dicarboximide	3	YES	NO
432-1369	MAJESTY	0.07	0.00	14	Imidacloprid	3	NO	NO
432-1471	KONTOS	0.08	0.00	13	Spirotetramat	3	NO	NO
432-762	DELTA-TECH	0.00	17.38	13	Deltamethrin	2	NO	NO
862-23	SUNSPRAY 6E PLUS	2.76	0.00	12	Mineral oil	3	NO	NO
42750-153	BENEFIT 60 WP	0.00	6.19	12	Imidacloprid	3	NO	NO
9444-132	MOP UP	0.00	4.06	12	Disodium octaborate tetrahydrate	3	NO	NO
Apr-80	AL-JOE'S BONIDE DORMANT OIL	5.41	0.00	11	Mineral oil	3	NO	NO
8033-94	TRISTAR 30 SG INSECTICIDE	0.01	1.48	11	Acetamiprid	3	NO	NO
6218-47	SUMMIT B.T.I. BRIQUETS	0.00	10.25	11	Bacillus thuringiensis subspecies israelensis strain BMP 144	3	NO	NO
73049-39	DIPEL DF DRY FLOWABLE BIOLOGICAL INSECTICIDE	0.00	1.71	11	Bacillus thuringiensis, subsp. Kurstaki, strain ABTS-351, fermentation solids and solubles	3	NO	NO
59639-96	DISTANCE INSECT GROWTH REGULATOR	0.20	0.00	10	Pyriproxyfen	3	NO	NO
2724-476	ENSTAR II INSECT GROWTH REGULATOR (ENSTAR 5E)	0.19	0.00	10	(S)-Kinoprene	2	NO	NO
47000-73	SSI-50 INSECTICIDE	0.00	7.19	10	Pyrethrins; Piperonyl butoxide; N-octyl bicycloheptene dicarboximide	3	YES	NO
53871-3	STIMUKIL FLY BAIT	0.00	3.36	10	(Z)-9-Tricosene; Methomyl	3	NO	NO
1677-196	ECO 2000-XP FRESHBAIT	0.00	1.22	9	Boric acid	3	NO	NO
432-1464	DYLOX 420 SL TURF AND ORNAMENTAL INSECTICIDE	69.78	0.00	8	Trichlorfon	3	YES	NO
9444-168	COUNTRY VET ROACH EMBARGO WITH GROWTH INHIBITOR	2.38	0.00	8	Esfenvalerate; Prallethrin; Pyriproxyfen	3	NO	NO
400-508	FLORAMITE SC	0.14	0.00	8	Bifenazate	3	NO	NO
73079-2	INTICE GRANULAR BAIT	0.00	6.56	8	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
62719-515	M-PEDE INSECTICIDE/FUNGICI DE	4.83	0.16	7	Potassium laurate	2	NO	NO
66222-40	PEDESTAL	0.04	0.00	7	Novaluron	3	NO	NO
655-798	PRENTOX EXCITE (R)	0.01	0.00	7	Pyrethrins; Piperonyl butoxide	3	YES	NO
655-802	PRENTOX LARVA-LUR CONTAINS PROPOXUR	0.00	5.63	7	Propoxur	3	YES	NO
9444-129	ROACH KIL COMMERCIAL	0.00	0.20	7	Boric acid	3	NO	NO
1021-1828	MGK ROACH BAIT 2822	0.00	0.02	7	Avermectin	3	NO	NO
228-624	NUFARM CHLORPYRIFOS SPC 4 INSECTICIDE	17.00	0.00	6	Chlorpyrifos	2	NO	NO
66222-19	QUALI-PRO CHLOPYRIFOS 4E	12.13	0.00	6	Chlorpyrifos	2	NO	NO
1021-1773	ZPRO ZYY IMPACT RESIDUAL AEROSOL	0.82	0.00	6	Esfenvalerate	3	NO	NO
279-3070	CYNOFF WP INSECTICIDE	0.00	0.75	6	Cypermethrin, beta	2	YES	NO
279-3287	FLONICAMID 50SG INSECTICIDE	0.00	0.33	6	Fonicamid	3	NO	NO
352-731	DUPONT ACELEPRYN INSECTICIDE	113.69	0.00	5	DPX-E2Y45	0	NO	NO
19713-123	DAMOIL DORMANT & SUMMER SPRAY OIL	13.67	0.00	5	Kerosene	3	NO	NO
10404-66	LESCO HORTICULTURAL OIL INSECTICIDE	1.95	0.00	5	Petroleum distillates	3	NO	NO
2724-274	GOLDEN MALRIN RF- 128 FLY KILLER	0.63	0.69	5	Methomyl; (Z)-9- Tricosene	3	NO	NO
62719-471	MACH 2 2SC	5.00	7.38	4	Halofenozide	3	NO	NO
8033-96	TRANSPORT (R) GHP INSECTICIDE	3.75	0.00	4	Acetamiprid; Bifenthrin	3	YES	NO
73049-38	VECTOBAC 12AS BIOLOGICAL LARVICIDE	0.50	0.00	4	Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52	3	NO	NO
4-153	SYSTEMIC GRANULES CONTAINS DI-SYSTON	0.17	0.00	4	Disulfoton	2	NO	NO
62637-3	BMP 144 (200 G)	0.00	115.00	4	Bacillus thuringiensis subspecies Israelensis strain BMP 144	3	NO	NO
432-1373	TEMPO 1% PROFESSIONAL INSECTICIDE	0.00	1.25	4	Cyfluthrin	3	NO	NO
64240-45	COMBAT QUICK KILL ROACH KILLING GEL	0.00	0.50	4	Fipronil	3	YES	NO
1677-195	ECO2000-RX FRESHBAIT	0.00	0.36	4	Boric acid	3	NO	NO
64248-1	MAXFORCE ROACH CONTROL SYSTEM	0.00	0.09	4	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
279-3155	TALSTAR NURSERY FLOWABLE INSECTICIDE/MITICIDE	3.20	6.56	3	Bifenthrin	3	YES	NO
432-992	DRIONE INSECTICIDE	0.25	0.75	3	Pyrethrins; Piperonyl butoxide; Silica gel	3	YES	NO
655-489	PRENTOX PYRONYL CROP SPRAY	0.08	0.00	3	Pyrethrins; Piperonyl butoxide	3	YES	NO
432-1377	TEMPO ULTRA WSP	0.04	0.00	3	Cyfluthrin, beta	3	NO	NO
499-384	JOHNSON WAX PROFESSIONAL BRAND BORIC ACID PRESSURE	0.02	0.25	3	Boric acid	3	NO	NO
53219-10	GRO-WELL CATERPILLAR WORM CONTROL SPRAY	0.02	0.00	3	CryIA(c) and CryIC derived*delta endotoxins of Bacillus thuringiensis encapsulated in killed pseudomonas fluorescens (*Patent pending)	3	NO	NO
61842-18	SURROUND WP CROP PROTECTANT	0.00	26.00	3	Kaolin	3	NO	NO
432-1312	MERIT 2F INSECTICIDE	0.00	14.80	3	Imidacloprid	3	NO	NO
432-1457	MERIT FXT TABLET INSECTICIDE	0.00	1.67	3	Imidacloprid	3	NO	NO
100-1082	DEMAND PESTAB INSECTICIDE	0.00	0.07	3	Cyhalothrin, lambda	2	NO	NO
279-3386	DRAX ANT KIL-PF	0.00	0.03	3	Boric acid	3	NO	NO
432-1227	LESCO SEVIN SL	2.50	16.00	2	Carbaryl	3	YES	NO
2724-484	RF 9707 AEROSOL	0.38	0.00	2	(7S)-Hydroprene	3	NO	NO
71711-4	SEPRO AKARI 5SC MITICIDE/INSECTICIDE	0.29	0.00	2	Fenpyroximate	2	NO	NO
42750-115	XYTECT 2F INSECTICIDE	0.25	0.00	2	Imidacloprid	3	NO	NO
49538-3	PHYTON 27 NEW DIMENSION	0.20	0.00	2	Copper sulfate (pentahydrate)	3	NO	NO
67425-4	ECOPCO AC CONTACT INSECTICIDE	0.09	0.00	2	Eugenol; Phenylethyl propionate	3	NO	NO
432-1308	DYLOX 6.2 GRANULAR INSECTICIDE	0.00	715.00	2	Trichlorfon	3	YES	NO
352-627	DUPONT ADVION FIRE ANT BAIT	0.00	5.88	2	Indoxacarb	3	NO	NO
432-1338	TEMPO 20 WP GOLF COURSE INSECTICIDE	0.00	3.64	2	Cyfluthrin	3	NO	NO
499-531	TC 267	0.00	0.63	2	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
279-3393	CB-80-1 FOR INSECT CONTROL	0.00	0.50	2	Pyrethrins; Piperonyl butoxide	3	YES	NO
73079-9	INTICE SMART ANT GEL	0.00	0.19	2	Borax	3	NO	NO
33906-23	SANMITE 75 WP MITICIDE/INSECTICIDE	0.00	0.13	2	Pyridaben	2	NO	NO
62719-301	LORSBAN* 75WG	0.00	0.10	2	Chlorpyrifos	2	NO	NO
432-1258	MAXFORCE LARGE ROACH BAIT F.03	0.00	0.09	2	Fipronil	3	YES	NO
352-664	DUPONT ADVION ANT BAIT ARENA	0.00	0.04	2	Indoxacarb	3	NO	NO
5481-8971	ORTHENE 75 S SOLUBLE POWDER	0.00	0.03	2	Acephate	3	YES	NO
7969-210	TERMIDOR SC TERMITICIDE/INSECTICIDE	10.00	0.00	1	Fipronil	3	YES	NO
264-335	SEVIN BRAND RP4 CARBARYL INSECTICIDE	5.00	0.00	1	Carbaryl	3	YES	NO
19713-49	DREXEL CARBARYL 4L	2.50	0.00	1	Carbaryl	3	YES	NO
67425-19	ECOPCO JET/X	0.63	0.00	1	Phenylethyl propionate; Piperonyl butoxide	3	YES	NO
70051-2	3-IN-1 GARDEN SPRAY CONCENTRATE	0.25	0.00	1	Neem oil	3	NO	NO
51036-391	LESCO CROSSCHECK GC FLOWABLE INSECTICIDE	0.23	0.00	1	Bifenthrin	3	YES	NO
74578-1	XYTECT INFUSIBLE INSECTICIDE	0.14	0.00	1	Imidacloprid	2	NO	NO
73049-11	VECTOBAC - AS	0.13	0.00	1	Bacillus thuringiensis, subsp. israelensis, strain AM 65-52	3	NO	NO
279-3387	AEROSOL BORIC ACID	0.02	0.00	1	Boric acid	3	NO	NO
82074-1	MYCOTROL ES	0.01	0.00	1	Beauveria bassiana GHA	3	NO	NO
2724-352	ZOECON RF-291 EMULSIFIABLE CONCENTRATE WITH PRECOR	0.01	0.00	1	S-Methoprene	3	NO	NO
499-444	WHITMIRE MICRO-GEN TC 164	0.00	0.00	1	Pyrethrins; Piperonyl butoxide	3	YES	NO
279-3081	CYNOFF EC INSECTICIDE	0.00	0.00	1	Cypermethrin, beta	3	YES	NO
432-1349	THE ANDERSONS PROFESSIONAL TURF PRODUCTS FERTILIZE	0.00	300.00	1	Imidacloprid	3	NO	NO
9198-167	ANDERSONS GOLF PRODUCTS INSECTICIDE III	0.00	152.00	1	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
432-1289	DYLOX 80 TURF AND ORNAMENTAL INSECTICIDE	0.00	5.00	1	Trichlorfon	2	YES	NO
432-1302	TEMPO 20 WP INSECTICIDE	0.00	2.20	1	Cyfluthrin	3	NO	NO
4816-353	DRIONE INSECTICIDE	0.00	0.25	1	Pyrethrins; Piperonyl butoxide; Silica gel	3	YES	NO
3095-72	PIC ANT KILLING SYSTEMS	0.00	0.09	1	Borax; Boric acid	3	NO	NO
1021-1424	PYROCID FOGGING CONCENTRATE 7338	0.00	0.06	1	Pyrethrins; Piperonyl butoxide; N-octyl bicycloheptene dicarboximide	3	YES	NO
Herbicides								
62719-556	ACCORD XRT II	474.68	15.16	730	Glyphosate, dimethylammonium salt	3	NO	NO
524-475	ROUNDUP ULTRA HERBICIDE	200.77	51.08	619	Glyphosate, isopropylamine salt	3	NO	NO
62719-527	GARLON 4 ULTRA	171.71	0.00	300	Triclopyr	2	NO	NO
241-341	PENDULUM 3.3 EC HERBICIDE	187.61	0.00	241	Pendimethalin	3	YES	NO
228-397	RIVERDALE VANQUISH HERBICIDE	51.17	0.00	213	Dicamba, diglycolamine salt	3	NO	NO
241-360	LESCO PRE-M 3.3EC TURF HERBICIDE	206.13	63.19	200	Pendimethalin	3	YES	NO
352-622	DUPONT OUST EXTRA HERBICIDE	1.89	0.00	185	Sulfometuron methyl; Metsulfuron-methyl	3	NO	NO
524-454	ROUNDUP ORIGINAL II HERBICIDE	164.51	0.00	180	Glyphosate, isopropylamine salt	2	NO	NO
62719-176	PATHFINDER II	161.88	0.00	168	Triclopyr, butoxyethyl ester	3	NO	NO
524-579	ROUNDUP PROMAX	37.20	143.13	164	Glyphosate, potassium salt	3	NO	NO
352-601	OUST XP HERBICIDE	951.48	0.00	161	Sulfometuron methyl	3	NO	NO
62719-324	GLYPRO	48.75	0.00	111	Glyphosate, isopropylamine salt	3	NO	NO
100-937	PRIMO MAXX	60.93	56.53	66	Trinexapac-ethyl	3	NO	NO
71995-25	ROUNDUP WEED & GRASS KILLER SUPER CONCENTRATE	24.85	0.00	43	Glyphosate, isopropylamine salt	3	NO	NO
72112-4	GLYPHOSATE PRO 4TM	2.52	0.00	33	Glyphosate, isopropylamine salt	3	NO	NO
228-635	LESCO REGIMAX PGR PLANT GROWTH REGULATOR	6.37	0.00	20	Trinexapac-ethyl	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
62719-40	GARLON 4	10.97	0.00	19	Triclopyr, butoxyethyl ester	3	NO	NO
228-317	COOL POWER SELECTIVE HERBICIDE	7.39	0.00	19	Dicamba; MCPA, 2-ethyl hexyl ester; Triclopyr, butoxyethyl ester	3	NO	NO
524-343	ROUNDUP CUSTOM HERBICIDE	6.56	0.00	19	Glyphosate, isopropylamine salt	3	NO	NO
352-401	DUPONT OUST HERBICIDE	0.00	1.42	19	Sulfometuron methyl	3	NO	NO
352-439	DUPONT ESCORT XP HERBICIDE	0.04	0.00	16	Metsulfuron-methyl	3	NO	NO
432-950	ACCLAIM EXTRA HERBICIDE	5.07	20.13	14	Fenoxaprop-P (+)	3	NO	NO
72167-11	VEGETATION MANAGEMENT SFM 75	153.36	0.00	13	Sulfometuron methyl	3	NO	NO
62719-542	DIMENSION 2EW	19.03	0.00	13	Dithiopyr	2	NO	NO
228-366	RAZOR HERBICIDE	1.65	0.00	13	Glyphosate, isopropylamine salt	3	NO	NO
66330-293	LESCO T-STORM FLOWABLE TURF & ORNAMENTAL FUNGICIDE	32.61	0.00	12	Thiophanate-methyl	3	YES	YES
10404-44	LESCO THREE-WAY BENTGRASS SELECTIVE HERBICIDE	13.53	0.00	12	2,4-D, dimethylamine salt; Dicamba, dimethylamine salt; MCPP-P, dimethylamine salt	1	NO	NO
2217-759	EMBARK 2-S PLANT GROWTH REGULATOR	10.47	0.00	11	Mefluidide, diethanolamine salt	3	NO	NO
62719-517	ACCORD XRT	9.82	0.00	11	Glyphosate, isopropylamine salt	3	NO	NO
62719-529	SCYTHE HERBICIDE	1.06	0.00	11	Nonanoic acid	2	NO	NO
81880-1	SEDGEHAMMER	0.00	8.50	11	Halosulfuron-methyl	3	NO	NO
66330-276	DICAMBA DMA 4# AG	1.30	20.69	9	Dicamba, dimethylamine salt	2	NO	NO
432-1230	PROXY GROWTH REGULATOR	49.41	1.16	8	Ethephon	1	NO	NO
62719-445	DIMENSION* ULTRA 40WP	0.00	68.95	8	Dithiopyr	3	NO	NO
62719-322	NAF-545	1.76	0.00	7	Glyphosate, isopropylamine salt	3	NO	NO
524-529	ROUNDUP PRO CONCENTRATE	5.40	0.00	6	Glyphosate, isopropylamine salt	3	NO	NO
83220-1	EZJECT SELECTIVE INJECTION HERBICIDE CAPSULES	0.00	9.18	6	Glyphosate, isopropylamine 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
9198-176	ANDERSON'S GOOSE/CRABGRASS CONTROL	0.00	993.00	5	Bensulide; Oxadiazon	2	YES	YES
62719-92	CONFRONT	3.97	11.25	4	Clopyralid, triethanolamine; Triclopyr, triethylamine salt	1	NO	NO
67760-49	GLYFOS CONCENTRATE 41% WEED & GRASS KILLER	0.18	0.00	4	Glyphosate, isopropylamine salt	3	NO	NO
59639-37	SUMAGIC PLANT GROWTH REGULATOR	0.01	0.00	4	Uniconazole-P	3	YES	NO
9198-213	THE ANDERSONS 0.25% GRANULAR DITHIOPYR HERBICIDE	0.00	770.00	4	Dithiopyr	3	NO	NO
2217-529	TRIMEC BROADLEAF HERBICIDE BENTGRASS FORMULA	25.00	0.00	3	2,4-D, dimethylamine salt; Dicamba, dimethylamine salt; MCP-P, dimethylamine salt	3	NO	NO
2217-758	TRIMEC 937 HERBICIDE	0.98	0.00	3	2,4-D, 2-ethylhexyl ester; 2,4-DP-P, isooctyl ester; Dicamba	2	NO	NO
71995-29	ROUNDUP WEED & GRASS KILLER CONCENTRATE PLUS	0.79	0.00	3	Glyphosate, isopropylamine salt; Diquat dibromide	3	NO	NO
66222-212	QUALI-PRO T-NEX 1 AQ	0.58	0.00	3	Trinexapac-ethyl	3	NO	NO
264-267	ETHREL BRAND ETHEPHON PLANT REGULATOR	12.60	0.00	2	Ethephon	1	NO	NO
10404-43	LESCO THREE-WAY SELECTIVE HERBICIDE	1.30	0.00	2	2,4-D, dimethylamine salt; Dicamba, dimethylamine salt; MCP-P, dimethylamine salt	1	NO	NO
62719-137	SPRING CRABGRASS CONTROL	0.00	2,000.00	2	Benfluralin; Trifluralin	3	YES	NO
10163-213	GORDON'S PROFESSIONAL TURF & ORNAMENTAL PRODUCTS T	0.00	96.00	2	Siduron	3	NO	NO
241-360	PRE-M 3.3 EC TURF HERBICIDE	0.00	9.38	2	Pendimethalin	3	YES	NO
2217-696	BETAMEC 4 PRE-EMERGENCE GRASS KILLER	15.00	0.00	1	Bensulide	3	NO	NO
241-346	ARSENAL HERBICIDE	0.25	0.00	1	Imazapyr, isopropylamine 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
228-186	BONIDE POISON IVY AND BRUSH KILLER	0.25	0.00	1	2,4-D, 2-ethylhexyl ester; 2,4-DP-P, isooctyl ester	3	NO	NO
241-343	TRI-4 HF HERBICIDE	0.19	0.00	1	Trifluralin	2	YES	NO
241-350	PURSUIT DG HERBICIDE	0.13	0.00	1	Imazethapyr	2	NO	NO
62719-305	LONTREL TURF AND ORNAMENTAL	0.05	0.00	1	Clopyralid	3	NO	NO
241-344	TOPSITE 2.5G HERBICIDE	0.03	0.00	1	Diuron; Imazapyr	3	YES	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	350.00	1	Dithiopyr	3	NO	NO
228-301	LESCO WEED AND FEED	0.00	35.00	1	Dicamba; MCPA; Mecoprop-P	3	YES	NO
66222-213	QUALI-PRO DITHIOPYR 40 WSB	0.00	22.50	1	Dithiopyr	3	NO	NO
228-509	PRODEUCE	0.00	20.00	1	Glyphosate, isopropylamine; Prodiamine	3	YES	NO
Fungicides								
432-942	BANOL TURF AND ORNAMENTAL FUNGICIDE	92.00	4.00	45	Propamocarb hydrochloride	3	NO	NO
70299-1	ZEROTOL ALGAECIDE/FUNGICIDE	13.75	0.00	39	Hydrogen peroxide	1	NO	NO
100-1093	HERITAGE FUNGICIDE	0.00	70.79	39	Azoxystrobin	3	NO	NO
100-892	ARBOTECT 20-S FUNGICIDE	24.52	0.00	38	Thiabendazole	3	NO	NO
432-890	ALIETTE WDG BRAND FUNGICIDE	0.00	1,562.00	37	Fosetyl-AI	3	NO	NO
50534-202	MANICURE ULTrex TURF & ORNAMENTAL	97.50	602.00	34	Chlorothalonil	1	YES	NO
60063-3	LESCO MANICURE ULTRA	39.44	1,512.50	33	Chlorothalonil	2	YES	NO
66222-149	ARMOR TECH CLT 825	0.00	1,065.00	33	Chlorothalonil	2	YES	NO
432-1360	BAYLETON 50 TURF AND ORNAMENTAL FUNGICIDE IN WATER	4.53	390.49	31	Triadimefon	3	YES	YES
60063-7	LESCO MANICRUE 6FL	162.50	0.00	28	Chlorothalonil	2	YES	NO
432-888	CHIPCO 26019 FLO BRAND FUNGICIDE	97.20	300.00	28	Iprodione	3	YES	NO
228-623	: NUFARM PROPICONAZOLE SPC 14.3 MEC FUNGICIDE	34.54	36.44	22	Propiconazole	2	YES	NO
71065-3	COMPANION LIQUID BIOLOGICAL FUNGICIDE	128.59	0.00	19	Bacillus subtilis GBO3	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
62719-346	SPECTATOR TURF & ORNAMENTAL FUNGICIDE	60.34	0.00	17	Propiconazole	2	YES	NO
7969-184	Insignia Fungicide	4.38	107.04	17	Pyraclostrobin	3	NO	NO
62719-463	EAGLE 20EW	12.19	0.00	16	Myclobutanil	3	NO	YES
9198-115	THE ANDERSONS TURF FUNGICIDE WITH 5.0% DACONIL	118.75	4,562.50	15	Chlorothalonil	1	YES	NO
67690-37	CUPRO 2005 T/N/O	0.00	48.46	15	Copper hydroxide	2	NO	NO
66330-305	LESCO 18 PLUS	64.00	40.00	13	Iprodione	3	YES	NO
538-183	PROTURF FLUID FUNGICIDE	28.00	0.00	13	Thiophanate-methyl; Iprodione	3	YES	YES
100-796	SUBDUE MAXX	23.47	11.31	13	Mefenoxam	3	NO	NO
73314-2	ACTINO-IRON BIOLOGICAL FUNGICIDE	0.00	21.00	13	Streptomyces lydicus WYEC 108	3	NO	NO
68539-3	T-22G BIOLOGICAL PLANT PROTECTANT GRANULES	0.00	19.50	13	Trichoderma harzianum rifai strain KRL-AG2	3	NO	NO
72167-24	ARMOR TECH CLT 720	131.50	0.00	12	Chlorothalonil	2	YES	NO
432-1446	TARTAN FLO FUNGICIDE	18.18	0.00	12	Triadimefon; Trifloxystrobin	3	YES	YES
432-1367	BAYLETON 50 WDG NURSERY AND GREENHOUSE SYSTEMIC FU	0.00	0.00	12	Triadimefon	3	YES	YES
66222-154	QUALI-PRO CHLOROTHALONIL 720 SFT	55.00	0.00	11	Chlorothalonil	2	YES	NO
70870-1	MILSTOP BROAD SPECTRUM FOLIAR FUNGICIDE	0.00	17.94	11	Potassium bicarbonate	3	NO	NO
66222-41	PRIMEERAONE PROPICONAZOLA 14.3	13.42	0.00	10	Propiconazole	2	YES	NO
73512-1	KEYPLEX 350	6.50	0.00	10	Brewer's yeast extract hydrolysate from Saccharomyces cerevisiae	3	NO	NO
228-630	NUFARM TM+IP SPC FUNGICIDE	17.00	0.00	9	Iprodione; Thiophanate-methyl	3	YES	YES
7969-224	CURALAN EG	0.00	303.15	9	Vinclozolin	3	YES	YES
8622-56	BIOBROM C-100G	0.00	76.00	9	2,2-dibromo-3-nitripropionamide	1	NO	NO
228-626	NUFARM T-METHYL PRO 4.5 F FUNGICIDE	37.25	0.00	8	Thiophanate-methyl	3	YES	YES
62719-388	FORE 80WP RAINSHIELD	38.50	164.00	7	Mancozeb	3	YES	NO
69592-19	RHAPSODY ASO	24.00	0.00	7	QST 713 strain of dried Bacillus subtilis	3	NO	NO
432-1445	BAYLETON FLO TURF AND ORNAMENTAL FUNGICIDE	6.44	0.00	7	Triadimefon	3	YES	YES
70252-11	MEFENOXAM 2L	3.00	14.88	7	Mefenoxam	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
10163-274	RUBIGAN A.S. TURF AND ORNAMENTAL	0.27	0.00	7	Fenarimol	3	NO	NO
59639-144	V-10116 VPP FUNGICIDE	0.00	21.55	7	Metconazole	3	NO	NO
100-769	MEDALLION FUNGICIDE	0.00	15.24	7	Fludioxonil	3	NO	NO
50534-209	MANICURE 6 FLOWABLE	55.00	0.00	6	Chlorothalonil	3	YES	NO
55260-9	PROPLANT TURF AND ORNAMENTAL FUNGICIDE	7.06	0.00	6	Propamocarb hydrochloride	3	NO	NO
100-794	ANDERSONS GOLF PRODUCTS PYTHIUM CONTROL WITH MEFEN	0.00	750.00	6	Mefenoxam	3	NO	NO
70127-2	NOVOZYMES BIOFUNGICIDE GREEN RELEAF 710-140	32.00	0.00	5	; IBA	3	NO	NO
58185-33	DOMAIN FL	0.94	0.00	5	Thiophanate-methyl	3	YES	YES
432-890	LESCO PRODIGY SIGNATURE	0.00	218.00	5	Fosetyl-Al	3	NO	NO
100-641	BANNER FUNGICIDE	30.00	0.00	4	Propiconazole	2	YES	NO
66330-56	ENDORSE WATER DISPERSIBLE GRANULES	0.00	28.80	4	Polyoxin D zinc salt	3	NO	NO
68173-3	AFFIRM WDG	0.00	27.35	4	Polyoxin D zinc salt	3	NO	NO
432-1371	COMPASS	0.00	23.00	4	Trifloxystrobin	3	NO	NO
7969-196	EMERALD FUNGICIDE	0.00	5.88	4	Nicobifen	2	YES	NO
66222-161	QUALI-PRO FOSETYL-AL 80 WDG	0.00	5.64	4	Fosetyl-Al	3	NO	NO
58185-30	FUNGO 50 WSB WETTABLE POWDER TURF & ORNAMENTAL SYS	0.00	4.50	4	Thiophanate-methyl	3	YES	YES
69592-19	CEASE	4.50	0.00	3	QST 713 strain of dried Bacillus subtilis	3	NO	NO
400-521	TERRAGUARD SC	0.07	0.00	3	Triflumizole	3	NO	NO
9198-111	THE ANDERSONS 1.0% BAYLETON(R) FUNGICIDE	0.00	450.00	3	Triadimefon	3	YES	YES
100-1323	HERITAGE G	0.00	240.07	3	Azoxystrobin	3	NO	NO
68173-2	ENDORSE WETTABLE POWDER TURF FUNGICIDE IN WATER SO	0.00	66.00	3	Polyoxin D zinc salt	3	NO	NO
432-1414	26/36 FUNGICIDE	10.00	0.00	2	Iprodione; Thiophanate-methyl	2	YES	YES
73545-13	TOPSIN 4.5FL	8.06	0.00	2	Thiophanate-methyl	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
9198-222	ANDERSONS GOLF PRODUCTS FUNGO FLO	5.00	0.00	2	Thiophanate-methyl	3	YES	YES
69592-12	SERENADE ASO	0.13	0.00	2	QST 713 strain of dried Bacillus subtilis	3	NO	NO
1001-70	3336 G	0.00	600.00	2	Thiophanate-methyl	3	YES	YES
70506-185	PENNCOZEB 75 DF	0.00	372.00	2	Mancozeb	3	YES	NO
62719-402	DITHANE DF RAINSHIELD	0.00	54.00	2	Mancozeb	3	YES	NO
55146-75	MICRO SULF MICRONIZED WETTABLE SULFUR	0.00	12.50	2	Sulfur	3	NO	NO
72167-24	ARMOR TECH CLT 825	20.00	0.00	1	Chlorothalonil	2	YES	NO
100-1231	INSTRATA	15.00	0.00	1	Chlorothalonil; Fludioxonil; Propiconazole	3	YES	NO
1001-69	3336 F	10.00	0.00	1	Thiophanate-methyl	3	YES	YES
228-684	NUFARM IPRODIONE SPC FUNGICIDE	7.20	0.00	1	Iprodione	3	YES	NO
71962-1	AGRI-FOS SYSTEMIC FUNGICIDE	2.00	0.00	1	Mono- and di-potassium salts of phosphorous acid	3	NO	NO
228-633	NUFARM PROPICONAZOLE SPC EC FUNGICIDE	1.25	0.00	1	Propiconazole	2	YES	NO
74779-2	BACASTAT TREE INJECTION	0.00	0.00	1	Oxytetracycline hydrochloride	3	NO	YES
7969-255	HONOR FUNGICIDE	0.00	72.00	1	Nicobifen; Pyraclostrobin	3	YES	NO
66330-41	ENDORSE WETTABLE POWDER TURF FUNGICIDE	0.00	28.00	1	Polyoxin D zinc salt	3	NO	NO
10404-58	LESCO GRANULAR TURF FUNGICIDE	0.00	18.00	1	Triadimefon	3	YES	YES
400-416	TERRAZOLE 35% WETTABLE POWDER	0.00	6.00	1	Terrazole	3	YES	NO
100-969	SCHOLAR FUNGICIDE	0.00	5.00	1	Fludioxonil	3	NO	NO
100-794	SUBDUE GR	0.00	3.00	1	Mefenoxam	3	NO	NO
5905-289	HELENA WETTABLE SULPHUR	0.00	3.00	1	Sulfur	3	NO	NO
62388-1	NOGALL	0.00	0.22	1	Agrobacterium radiobacter strain K1026	3	NO	NO
Other (Repellents, Biochemical Pesticides, Etc.)								
2724-421	ZOECON RF-292 BRIQUET	0.00	89.12	2,781	S-Methoprene	3	NO	NO
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	7.78	6.23	1,086	(7S)-Hydroprene	3	NO	NO
2724-351	ZOECON GENCOR 9% EMULSIFIABLE CONCENTRATE	0.53	0.00	50	(7S)-Hydroprene	3	NO	NO
69117-7	PINSCHER PGR	0.08	0.00	39	Dikegulac sodium	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
80917-4	SHAKE-AWAY CRITTER REPELLENT GRANULES	0.00	208.80	19	Fox urine	3	NO	NO
60061-71	PETTIT MARINE PAINT PREMIUM SINGLE SEASON ABLATIVE	14.00	0.00	13	Copper oxide (ous)	2	NO	NO
71096-7	ORTHO BUG-GETA SNAIL & SLUG KILLER 1	0.00	3.81	8	Metaaldehyde	3	NO	NO
100-1014	PACLOBUTRAZOL 2SC	0.00	5.25	7	Paclobutrazol	3	NO	NO
67356-1	DEER-OFF DEER REPELLANT CONCENTRATE	1.19	0.00	6	Capsicum oleoresin; Garlic; Putrescent whole egg solids	3	NO	NO
81117-1	RO-PEL ANIMAL & RODENT REPELLENT	0.31	0.00	5	Benzyl-diethyl [(2,6-xylyl-carbamoyl)methyl] ammonium saccharide; Thymol	3	NO	NO
60061-14	WOOLSEY/Z*SPAR SUPER TOX ANTI-FOULING FINISH B-74	3.00	0.00	3	Copper oxide (ous)	2	NO	NO
60061-87	PETTIT MARINE PAINT HYDROCOAT ABLATIVE ANTIFOULING	3.00	0.00	2	Copper oxide (ous)	2	NO	NO
1706-179	STABREX ST 70	14.00	0.00	1	Sodium hypochlorite; Sodium bromide	1	NO	NO
60061-63	PETTIT MARINE PAINT UNEPOXY STANDARD ANTIFOULING B	1.00	0.00	1	Copper oxide (ous)	2	NO	NO
2217-768	EMBARK E-Z-TU-USE PLANT GROWTH REGULATOR	0.50	0.00	1	Mefluidide, diethanolamine salt	3	NO	NO
67238-1	HOT PEPPER WAX	0.03	0.00	1	Capsicum oleoresin	3	NO	NO
73049-15	PROGIBB 4% PLANT GROWTH REGULATOR SOLUTION	0.00	0.00	1	Gibberellins	2	NO	NO

Appendix 2

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

Pesticide Products Used by DPR in 2010 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								
7173-218	GENERATION MINI BLOCKS	0.50	631.86	1,518	Difethialone	3	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.00	111.69	263	Bromadiolone	3	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.21	118.51	202	Bromadiolone	3	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	95.60	185	Bromadiolone	3	NO	NO
12455-89	FINAL ALL-WEATHER BLOX	0.00	47.72	131	Brodifacoum	3	NO	NO
7173-202	MAKI MINI BLOCKS	0.00	64.25	76	Bromadiolone	3	NO	NO
12455-97	FASTRAC PLACE PACS	0.00	5.62	33	Bromethalin	3	NO	NO
56-70	J.T. EATON AC FORMULA 90 READY-TO-USE RODENTICIDE	0.00	16.07	28	Chlorophacinone	3	NO	NO
12455-97	TOMCAT QUICKSTRIKE PELLETTED BAIT	0.00	0.11	24	Bromethalin	3	NO	NO
12455-80	DITRAC ALL-WEATHER BLOX	0.00	9.25	16	Diphacinone	3	NO	NO
7173-188	MAKI RAT AND MOUSE BAIT PACKS (PELLETS)	0.00	5.36	16	Bromadiolone	3	NO	NO
12455-56	DITRAC TRACKING POWDER	0.00	8.81	14	Diphacinone	2	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.00	2.32	8	Bromadiolone	3	NO	NO
12455-69	CONTRAC RODENTICIDE	0.00	0.15	7	Bromadiolone	3	NO	NO
56-42	BAIT BLOCK RODENTICIDE WITH PEANUT BUTTER FLAVORIZ	0.00	0.06	6	Diphacinone	3	NO	NO
67517-72	ASSAULT MOUSE/RAT PLACE PACK	0.00	0.01	3	Bromethalin	3	NO	NO
12455-39	QUINTOX RAT AND MOUSE BAIT	0.00	0.63	1	Cholecalciferol	3	NO	NO
12455-95	FASTRAC ALL-WEATHER BLOX	0.00	0.28	1	Bromethalin	3	NO	NO
7173-76	CHEMPAR ROZOL 2% RODENTICIDE DUST CONCENTRATE	0.00	0.06	1	Chlorophacinone	1	NO	NO
12455-91	FINAL RODENTICIDE READY-TO-USE PLACE PAC	0.00	0.03	1	Brodifacoum	3	NO	NO
12455-16	ZP TRACKING POWDER	0.00	0.03	1	Zinc phosphide	1	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
Insecticides								
42750-117	XYTECT 75WSP INSECTICIDE	0.00	691.73	6,395	Imidacloprid	3	NO	NO
432-763	SUSPEND SC INSECTICIDE	123.73	22.64	594	Deltamethrin	3	NO	NO
432-1318	MERIT 75 WSP	0.00	422.33	541	Imidacloprid	3	NO	NO
432-1363	TEMPO SC INSECTICIDE	65.27	1.74	515	Cyfluthrin, beta	3	NO	NO
7946-25	IMICIDE HP	33.53	0.00	223	Imidacloprid	3	NO	NO
352-652	DUPONT ADVION COCKROACH GEL BAIT	0.00	12.79	211	Indoxacarb	3	NO	NO
1021-1641	SPECKOZ EVERCIDE ESFENVALERATE EC	0.54	0.00	134	Esfenvalerate	3	NO	NO
73049-20	VECTOLEX CG BIOLOGICAL LARVICIDE	0.00	1,167.31	95	Bacillus sphaericus	3	NO	NO
64405-2	REDZONE BAIT	0.02	10.70	88	Boric acid	3	NO	NO
48813-1	SUFFOIL-X	6.09	0.00	31	Petroleum distillates	3	NO	NO
62719-522	PROAXIS EX	3.50	30.25	26	Cyhalothrin, gamma	3	NO	NO
72-574	MILLER HOT SAUCE ANIMAL REPELLENT	0.26	0.00	25	Capsicum oleoresin	3	NO	NO
432-1304	TEMPO 10 WP INSECTICIDE	1.38	0.37	24	Cyfluthrin, beta	3	NO	NO
100-896	AVID 0.15 EC MITICIDE/INSECTICID E	1.34	0.00	24	Avermectin	2	NO	NO
432-772	DELTA DUST	0.00	0.56	21	Deltamethrin	3	NO	NO
70051-2	TRIACT 70	17.09	0.00	20	Neem oil	3	NO	NO
499-492	TC 228	0.00	0.67	19	Borax	3	NO	NO
62719-291	CONSERVE SC TURF AND ORNAMENTAL	0.28	0.00	17	Spinosad	3	NO	NO
432-1402	DECATHLON 20 WP GREENHOUSE AND NURSERY INSECTICIDE	0.00	1.69	17	Cyfluthrin	3	NO	NO
70051-27	AZANTIN XL BIOLOGICAL INSECTICIDE	0.29	0.00	15	Azadirachtin	3	NO	NO
42750-115	IMIDIPRO SYSTEMIC INSECTICIDE	40.95	0.00	14	Imidacloprid	3	NO	NO
100-1088	SCIMITAR GC INSECTICIDE	11.72	0.00	14	Cyhalothrin, lambda	3	NO	NO
432-1369	MAJESTY	0.07	0.00	14	Imidacloprid	3	NO	NO
73049-19	VECTOBAC CG BIOLOGICAL LARVICIDE GRANULES	0.00	122.81	14	Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52	3	NO	NO
432-1471	KONTOS	0.08	0.00	13	Spirotetramat	3	NO	NO
432-762	DELTA-TECH	0.00	17.38	13	Deltamethrin	2	NO	NO
862-23	SUNSPRAY 6E PLUS	2.76	0.00	12	Mineral oil	3	NO	NO
42750-153	BENEFIT 60 WP	0.00	6.19	12	Imidacloprid	3	NO	NO
4-80	AL-JOE'S BONIDE DORMANT OIL	5.41	0.00	11	Mineral oil	3	NO	NO
8033-94	TRISTAR 30 SG INSECTICIDE	0.01	1.48	11	Acetamiprid	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
73049-39	DIPEL DF DRY FLOWABLE BIOLOGICAL INSECTICIDE	0.00	1.71	11	Bacillus thuringiensis, subsp. Kurstaki, strain ABTS-351, fermentation solids and solubles	3	NO	NO
59639-96	DISTANCE INSECT GROWTH REGULATOR	0.20	0.00	10	Pyriproxyfen	3	NO	NO
2724-476	ENSTAR II INSECT GROWTH REGULATOR (ENSTAR 5E)	0.19	0.00	10	(S)-Kinoprene	2	NO	NO
432-1264	MAXFORCE FC ANT KILLER BAIT GEL	0.00	0.29	9	Fipronil	3	YES	NO
432-1464	DYLOX 420 SL TURF AND ORNAMENTAL INSECTICIDE	69.78	0.00	8	Trichlorfon	3	YES	NO
400-508	FLORAMITE SC	0.14	0.00	8	Bifenazate	3	NO	NO
62719-515	M-PEDE INSECTICIDE/FUNGICIDE	4.83	0.16	7	Potassium laurate	2	NO	NO
66222-40	PEDESTAL	0.04	0.00	7	Novaluron	3	NO	NO
1021-1641	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.02	0.00	7	Esfenvalerate	3	NO	NO
228-624	NUFARM CHLORPYRIFOS SPC 4 INSECTICIDE	17.00	0.00	6	Chlorpyrifos	2	NO	NO
66222-19	QUALI-PRO CHLORPYRIFOS 4E	12.13	0.00	6	Chlorpyrifos	2	NO	NO
655-798	PRENTOX EXCITE (R)	0.01	0.00	6	Pyrethrins; Piperonyl butoxide	3	YES	NO
279-3287	FLONICAMID 50SG INSECTICIDE	0.00	0.33	6	Fonicamid	3	NO	NO
73079-1	INTICE SWEET ANT GEL	0.00	0.21	6	Boric acid	3	NO	NO
352-731	DUPONT ACELEPRYN INSECTICIDE	113.69	0.00	5	DPX-E2Y45	0	NO	NO
19713-123	DAMOIL DORMANT & SUMMER SPRAY OIL	13.67	0.00	5	Kerosene	3	NO	NO
10404-66	LESCO HORTICULTURAL OIL INSECTICIDE	1.95	0.00	5	Petroleum distillates	3	NO	NO
62719-471	MACH 2 2SC	5.00	7.38	4	Halofenozide	3	NO	NO
73049-38	VECTOBAC 12AS BIOLOGICAL LARVICIDE	0.50	0.00	4	Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52	3	NO	NO
4-153	SYSTEMIC GRANULES CONTAINS DI-SYSTON	0.17	0.00	4	Disulfoton	2	NO	NO
62637-3	BMP 144 (200 G)	0.00	115.00	4	Bacillus thuringiensis subspecies Israelensis strain BMP 144	3	NO	NO
279-3155	TALSTAR NURSERY FLOWABLE INSECTICIDE/MITICIDE	3.20	6.56	3	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
655-489	PRENTOX PYRONYL CROP SPRAY	0.08	0.00	3	Pyrethrins; Piperonyl butoxide	3	YES	NO
53219-10	GRO-WELL CATERPILLAR WORM CONTROL SPRAY	0.02	0.00	3	CryIA(c) and CryIC derived*delta endotoxins of Bacillus thuringiensis encapsulated in killed pseudomonas fluorescens (*Patent pending)	3	NO	NO
61842-18	SURROUND WP CROP PROTECTANT	0.00	26.00	3	Kaolin	3	NO	NO
432-1312	MERIT 2F INSECTICIDE	0.00	14.80	3	Imidacloprid	3	NO	NO
432-1457	MERIT FXT TABLET INSECTICIDE	0.00	1.67	3	Imidacloprid	3	NO	NO
432-1227	LESCO SEVIN SL	2.50	16.00	2	Carbaryl	3	YES	NO
71711-4	SEPRO AKARI 5SC MITICIDE/INSECTICIDE	0.29	0.00	2	Fenpyroximate	2	NO	NO
42750-115	XYTECT 2F INSECTICIDE	0.25	0.00	2	Imidacloprid	3	NO	NO
49538-3	PHYTON 27 NEW DIMENSION	0.20	0.00	2	Copper sulfate (pentahydrate)	3	NO	NO
432-1308	DYLOX 6.2 GRANULAR INSECTICIDE	0.00	715.00	2	Trichlorfon	3	YES	NO
432-1338	TEMPO 20 WP GOLF COURSE INSECTICIDE	0.00	3.64	2	Cyfluthrin	3	NO	NO
6218-47	SUMMIT B.T.I. BRIQUETS	0.00	1.70	2	Bacillus thuringiensis subspecies israelensis strain BMP 144	3	NO	NO
33906-23	SANMITE 75 WP MITICIDE/INSECTICIDE	0.00	0.13	2	Pyridaben	2	NO	NO
64405-2	ECOLOGICAL ANT & INSECT BAIT	0.00	0.10	2	Boric acid	3	NO	NO
62719-301	LORSBAN* 75WG	0.00	0.10	2	Chlorpyrifos	2	NO	NO
432-1252	MAXFORCE PROFESSIONAL INSECT CONTROL ANT KILLER BA	0.00	0.08	2	Hydramethylnon	3	YES	YES
432-1254	MAXFORCE PROFESSIONAL INSECT CONTROL ROACH KILLER	0.00	0.07	2	Hydramethylnon	3	YES	YES
5481-8971	ORTHENE 75 S SOLUBLE POWDER	0.00	0.03	2	Acephate	3	YES	NO
264-335	SEVIN BRAND RP4 CARBARYL INSECTICIDE	5.00	0.00	1	Carbaryl	3	YES	NO
19713-49	DREXEL CARBARYL 4L	2.50	0.00	1	Carbaryl	3	YES	NO
70051-2	3-IN-1 GARDEN SPRAY CONCENTRATE	0.25	0.00	1	Neem oil	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
51036-391	LESCO CROSSCHECK GC FLOWABLE INSECTICIDE	0.23	0.00	1	Bifenthrin	3	YES	NO
74578-1	XYTECT INFUSIBLE INSECTICIDE	0.14	0.00	1	Imidacloprid	2	NO	NO
2724-484	RF 9707 AEROSOL	0.13	0.00	1	(7S)-Hydroprene	3	NO	NO
73049-11	VECTOBAC - AS	0.13	0.00	1	Bacillus thuringiensis, subsp. israelensis, strain AM 65-52	3	NO	NO
82074-1	MYCOTROL ES	0.01	0.00	1	Beauveria bassiana GHA	3	NO	NO
9444-217	CB INSECTICIDE WITH DELTAMETHRIN	0.00	0.00	1	Deltamethrin	3	NO	NO
432-1349	THE ANDERSONS PROFESSIONAL TURF PRODUCTS FERTILIZE	0.00	300.00	1	Imidacloprid	3	NO	NO
9198-167	ANDERSONS GOLF PRODUCTS INSECTICIDE III	0.00	152.00	1	Chlorpyrifos	3	NO	NO
432-1289	DYLOX 80 TURF AND ORNAMENTAL INSECTICIDE	0.00	5.00	1	Trichlorfon	2	YES	NO
432-1302	TEMPO 20 WP INSECTICIDE	0.00	2.20	1	Cyfluthrin	3	NO	NO
2724-274	GOLDEN MALRIN RF-128 FLY KILLER	0.00	0.50	1	Methomyl; (Z)-9-Tricosene	3	NO	NO
67425-14	ECOPCO ACU	0.00	0.31	1	Phenylethyl propionate	3	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	0.22	1	Avermectin	3	NO	NO
352-746	DUPONT ADVION ANT GEL	0.00	0.07	1	Indoxacarb	3	NO	NO
432-1258	MAXFORCE LARGE ROACH BAIT F.03	0.00	0.05	1	Fipronil	3	YES	NO
432-1259	PRODUCT: RBF5	0.00	0.03	1	Fipronil	3	YES	NO
499-496	TC 234	0.00	0.01	1	Avermectin	3	NO	NO
Herbicides								
524-475	ROUNDUP ULTRA HERBICIDE	124.38	51.08	605	Glyphosate, isopropylamine salt	3	NO	NO
62719-556	ACCORD XRT II	409.84	15.16	542	Glyphosate, dimethylammonium salt	3	NO	NO
62719-527	GARLON 4 ULTRA	171.71	0.00	300	Triclopyr	2	NO	NO
241-341	PENDULUM 3.3 EC HERBICIDE	187.61	0.00	241	Pendimethalin	3	YES	NO
241-360	LESCO PRE-M 3.3EC TURF HERBICIDE	206.13	63.19	200	Pendimethalin	3	YES	NO
524-579	ROUNDUP PROMAX	37.20	143.13	164	Glyphosate, potassium salt	3	NO	NO
62719-324	GLYPRO	48.75	0.00	111	Glyphosate, isopropylamine salt	3	NO	NO
100-937	PRIMO MAXX	60.93	56.53	66	Trinexapac-ethyl	3	NO	NO
71995-25	ROUNDUP WEED & GRASS KILLER SUPER CONCENTRATE	24.85	0.00	43	Glyphosate, isopropylamine 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
72112-4	GLYPHOSATE PRO 4TM	2.52	0.00	33	Glyphosate, isopropylamine salt	3	NO	NO
62719-176	PATHFINDER II	84.13	0.00	22	Triclopyr, butoxyethyl ester	3	NO	NO
228-635	LESCO REGIMAX PGR PLANT GROWTH REGULATOR	6.37	0.00	20	Trinexapac-ethyl	3	NO	NO
62719-40	GARLON 4	10.97	0.00	19	Triclopyr, butoxyethyl ester	3	NO	NO
228-317	COOL POWER SELECTIVE HERBICIDE	7.39	0.00	19	Dicamba; MCPA, 2-ethyl hexyl ester; Triclopyr, butoxyethyl ester	3	NO	NO
352-401	DUPONT OUST HERBICIDE	0.00	1.42	19	Sulfometuron methyl	3	NO	NO
432-950	ACCLAIM EXTRA HERBICIDE	5.07	20.13	14	Fenoxaprop-P (+)	3	NO	NO
62719-542	DIMENSION 2EW	19.03	0.00	13	Dithiopyr	2	NO	NO
66330-293	LESCO T-STORM FLOWABLE TURF & ORNAMENTAL FUNGICIDE	32.61	0.00	12	Thiophanate-methyl	3	YES	YES
10404-44	LESCO THREE-WAY BENTGRASS SELECTIVE HERBICIDE	13.53	0.00	12	2,4-D, dimethylamine salt; Dicamba, dimethylamine salt; MCPP-P, dimethylamine salt	1	NO	NO
2217-759	EMBARC 2-S PLANT GROWTH REGULATOR	10.47	0.00	11	Mefluidide, diethanolamine salt	3	NO	NO
62719-517	ACCORD XRT	9.82	0.00	11	Glyphosate, isopropylamine salt	3	NO	NO
62719-529	SCYTHE HERBICIDE	1.06	0.00	11	Nonanoic acid	2	NO	NO
81880-1	SEDGEHAMMER	0.00	8.50	11	Halosulfuron-methyl	3	NO	NO
66330-276	DICAMBA DMA 4# AG	1.30	20.69	9	Dicamba, dimethylamine salt	2	NO	NO
432-1230	PROXY GROWTH REGULATOR	49.41	1.16	8	Ethephon	1	NO	NO
62719-445	DIMENSION* ULTRA 40WP	0.00	68.95	8	Dithiopyr	3	NO	NO
62719-322	NAF-545	1.76	0.00	7	Glyphosate, isopropylamine salt	3	NO	NO
228-366	RAZOR HERBICIDE	0.32	0.00	7	Glyphosate, isopropylamine salt	3	NO	NO
83220-1	EZJECT SELECTIVE INJECTION HERBICIDE CAPSULES	0.00	9.18	6	Glyphosate, isopropylamine salt	3	NO	NO
9198-176	ANDERSON'S GOOSE/CRABGRASS CONTROL	0.00	993.00	5	Bensulide; Oxadiazon	2	YES	YES
524-529	ROUNDUP PRO CONCENTRATE	5.03	0.00	4	Glyphosate, isopropylamine salt	3	NO	NO
62719-92	CONFRONT	3.97	11.25	4	Clopyralid, triethanolamine; Triclopyr, triethylamine salt	1	NO	NO
59639-37	SUMAGIC PLANT GROWTH REGULATOR	0.01	0.00	4	Uniconazole-P	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
9198-213	THE ANDERSONS 0.25% GRANULAR DITHIOPYR HERBICIDE	0.00	770.00	4	Dithiopyr	3	NO	NO
2217-529	TRIMEC BROADLEAF HERBICIDE BENTGRASS FORMULA	25.00	0.00	3	2,4-D, dimethylamine salt; Dicamba, dimethylamine salt; MCP-P, dimethylamine salt	3	NO	NO
2217-758	TRIMEC 937 HERBICIDE	0.98	0.00	3	2,4-D, 2-ethylhexyl ester; 2,4-DP-P, isooctyl ester; Dicamba	2	NO	NO
66222-212	QUALI-PRO T-NEX 1 AQ	0.58	0.00	3	Trinexapac-ethyl	3	NO	NO
264-267	ETHREL BRAND ETHEPHON PLANT REGULATOR	12.60	0.00	2	Ethephon	1	NO	NO
10404-43	LESCO THREE-WAY SELECTIVE HERBICIDE	1.30	0.00	2	2,4-D, dimethylamine salt; Dicamba, dimethylamine salt; MCP-P, dimethylamine salt	1	NO	NO
10163-213	GORDON'S PROFESSIONAL TURF & ORNAMENTAL PRODUCTS T	0.00	96.00	2	Siduron	3	NO	NO
241-360	PRE-M 3.3 EC TURF HERBICIDE	0.00	9.38	2	Pendimethalin	3	YES	NO
2217-696	BETAMEC 4 PRE- EMERGENCE GRASS KILLER	15.00	0.00	1	Bensulide	3	NO	NO
241-346	ARSENAL HERBICIDE	0.25	0.00	1	Imazapyr, isopropylamine salt	3	NO	NO
241-343	TRI-4 HF HERBICIDE	0.19	0.00	1	Trifluralin	2	YES	NO
241-350	PURSUIT DG HERBICIDE	0.13	0.00	1	Imazethapyr	2	NO	NO
62719-305	LONTREL TURF AND ORNAMENTAL	0.05	0.00	1	Clopyralid	3	NO	NO
241-344	TOPSITE 2.5G HERBICIDE	0.03	0.00	1	Diuron; Imazapyr	3	YES	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%) CRABGRASS	0.00	350.00	1	Dithiopyr	3	NO	NO
228-301	LESCO WEED AND FEED	0.00	35.00	1	Dicamba; MCPA; Mecoprop-P	3	YES	NO
66222-213	QUALI-PRO DITHIOPYR 40 WSB	0.00	22.50	1	Dithiopyr	3	NO	NO
228-509	PRODEUCE	0.00	20.00	1	Glyphosate, isopropylamine; Prodiamine	3	YES	NO

Fungicides

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin
432-942	BANOL TURF AND ORNAMENTAL FUNGICIDE	92.00	4.00	45	Propamocarb hydrochloride	3	NO	NO
70299-1	ZEROTOL ALGAECIDE/FUNGICIDE	13.75	0.00	39	Hydrogen peroxide	1	NO	NO
100-1093	HERITAGE FUNGICIDE	0.00	70.79	39	Azoxystrobin	3	NO	NO
100-892	ARBOTECH 20-S FUNGICIDE	24.52	0.00	38	Thiabendazole	3	NO	NO
432-890	ALIETTE WDG BRAND FUNGICIDE	0.00	1,562.00	37	Fosetyl-AI	3	NO	NO
50534-202	MANICURE ULTREX TURF & ORNAMENTAL	97.50	602.00	34	Chlorothalonil	1	YES	NO
60063-3	LESCO MANICURE ULTRA	39.44	1,512.50	33	Chlorothalonil	2	YES	NO
66222-149	ARMOR TECH CLT 825	0.00	1,065.00	33	Chlorothalonil	2	YES	NO
432-1360	BAYLETON 50 TURF AND ORNAMENTAL FUNGICIDE IN WATER	4.53	390.49	31	Triadimefon	3	YES	YES
60063-7	LESCO MANICRUE 6FL	162.50	0.00	28	Chlorothalonil	2	YES	NO
432-888	CHIPCO 26019 FLO BRAND FUNGICIDE	97.20	300.00	28	Iprodione	3	YES	NO
228-623	: NUFARM PROPICONAZOLE SPC 14.3 MEC FUNGICIDE	34.54	36.44	22	Propiconazole	2	YES	NO
71065-3	COMPANION LIQUID BIOLOGICAL FUNGICIDE	128.59	0.00	19	Bacillus subtilis GBO3	3	NO	NO
62719-346	SPECTATOR TURF & ORNAMENTAL FUNGICIDE	60.34	0.00	17	Propiconazole	2	YES	NO
7969-184	Insignia Fungicide	4.38	107.04	17	Pyraclostrobin	3	NO	NO
62719-463	EAGLE 20EW	12.19	0.00	16	Myclobutanil	3	NO	YES
9198-115	THE ANDERSONS TURF FUNGICIDE WITH 5.0% DAPONIL	118.75	4,562.50	15	Chlorothalonil	1	YES	NO
67690-37	CUPRO 2005 T/N/O	0.00	48.46	15	Copper hydroxide	2	NO	NO
66330-305	LESCO 18 PLUS	64.00	40.00	13	Iprodione	3	YES	NO
538-183	PROTURF FLUID FUNGICIDE	28.00	0.00	13	Thiophanate-methyl; Iprodione	3	YES	YES
100-796	SUBDUE MAXX	23.47	11.31	13	Mefenoxam	3	NO	NO
73314-2	ACTINO-IRON BIOLOGICAL FUNGICIDE	0.00	21.00	13	Streptomyces lydicus WYEC 108	3	NO	NO
68539-3	T-22G BIOLOGICAL PLANT PROTECTANT GRANULES	0.00	19.50	13	Trichoderma harzianum rifai strain KRL-AG2	3	NO	NO
72167-24	ARMOR TECH CLT 720	131.50	0.00	12	Chlorothalonil	2	YES	NO
432-1446	TARTAN FLO FUNGICIDE	18.18	0.00	12	Triadimefon; Trifloxystrobin	3	YES	YES
66222-154	QUALI-PRO CHLOROTHALONIL 720 SFT	55.00	0.00	11	Chlorothalonil	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
70870-1	MILSTOP BROAD SPECTRUM FOLIAR FUNGICIDE	0.00	17.94	11	Potassium bicarbonate	3	NO	NO
66222-41	PRIMEERAONE PROPICONAZOLA 14.3	13.42	0.00	10	Propiconazole	2	YES	NO
73512-1	KEYPLEX 350	6.50	0.00	10	Brewer's yeast extract hydrolysate from Saccharomyces cerevisiae	3	NO	NO
228-630	NUFARM TM+IP SPC FUNGICIDE	17.00	0.00	9	Iprodione; Thiophanate-methyl	3	YES	YES
7969-224	CURALAN EG	0.00	303.15	9	Vinclozolin	3	YES	YES
228-626	NUFARM T-METHYL PRO 4.5 F FUNGICIDE	37.25	0.00	8	Thiophanate-methyl	3	YES	YES
62719-388	FORE 80WP RAINSHIELD	38.50	164.00	7	Mancozeb	3	YES	NO
69592-19	RHAPSODY AS0	24.00	0.00	7	QST 713 strain of dried Bacillus subtilis	3	NO	NO
432-1445	BAYLETON FLO TURF AND ORNAMENTAL FUNGICIDE	6.44	0.00	7	Triadimefon	3	YES	YES
70252-11	MEFENOXAM 2L	3.00	14.88	7	Mefenoxam	3	NO	NO
10163-274	RUBIGAN A.S. TURF AND ORNAMENTAL	0.27	0.00	7	Fenarimol	3	NO	NO
59639-144	V-10116 VPP FUNGICIDE	0.00	21.55	7	Metconazole	3	NO	NO
100-769	MEDALLION FUNGICIDE	0.00	15.24	7	Fludioxonil	3	NO	NO
50534-209	MANICURE 6 FLOWABLE	55.00	0.00	6	Chlorothalonil	3	YES	NO
55260-9	PROPLANT TURF AND ORNAMENTAL FUNGICIDE	7.06	0.00	6	Propamocarb hydrochloride	3	NO	NO
100-794	ANDERSONS GOLF PRODUCTS PYTHIUM CONTROL WITH MEFEN	0.00	750.00	6	Mefenoxam	3	NO	NO
70127-2	NOVOZYMES BIOFUNGICIDE GREEN RELEAF 710-140	32.00	0.00	5	; IBA	3	NO	NO
58185-33	DOMAIN FL	0.94	0.00	5	Thiophanate-methyl	3	YES	YES
432-890	LESCO PRODIGY SIGNATURE	0.00	218.00	5	Fosetyl-Al	3	NO	NO
100-641	BANNER FUNGICIDE	30.00	0.00	4	Propiconazole	2	YES	NO
66330-56	ENDORSE WATER DISPERSIBLE GRANULES	0.00	28.80	4	Polyoxin D zinc salt	3	NO	NO
68173-3	AFFIRM WDG	0.00	27.35	4	Polyoxin D zinc salt	3	NO	NO
432-1371	COMPASS	0.00	23.00	4	Trifloxystrobin	3	NO	NO
7969-196	EMERALD FUNGICIDE	0.00	5.88	4	Nicobifen	2	YES	NO
66222-161	QUALI-PRO FOSETYL -AL 80 WDG	0.00	5.64	4	Fosetyl-Al	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
58185-30	FUNGO 50 WSB WETTABLE POWDER TURF & ORNAMENTAL SYS	0.00	4.50	4	Thiophanate-methyl	3	YES	YES
69592-19	CEASE	4.50	0.00	3	QST 713 strain of dried Bacillus subtilis	3	NO	NO
400-521	TERRAGUARD SC	0.07	0.00	3	Triflumizole	3	NO	NO
9198-111	THE ANDERSONS 1.0% BAYLETON(R) FUNGICIDE	0.00	450.00	3	Triadimefon	3	YES	YES
100-1323	HERITAGE G	0.00	240.07	3	Azoxystrobin	3	NO	NO
68173-2	ENDORSE WETTABLE POWDER TURF FUNGICIDE IN WATER SO	0.00	66.00	3	Polyoxin D zinc salt	3	NO	NO
432-1414	26/36 FUNGICIDE	10.00	0.00	2	Iprodione; Thiophanate-methyl	2	YES	YES
73545-13	TOPSIN 4.5FL	8.06	0.00	2	Thiophanate-methyl	3	YES	YES
9198-222	ANDERSONS GOLF PRODUCTS FUNGO FLO	5.00	0.00	2	Thiophanate-methyl	3	YES	YES
69592-12	SERENADE ASO	0.13	0.00	2	QST 713 strain of dried Bacillus subtilis	3	NO	NO
1001-70	3336 G	0.00	600.00	2	Thiophanate-methyl	3	YES	YES
70506-185	PENNCOZEB 75 DF	0.00	372.00	2	Mancozeb	3	YES	NO
62719-402	DITHANE DF RAINSHIELD	0.00	54.00	2	Mancozeb	3	YES	NO
55146-75	MICRO SULF MICRONIZED WETTABLE SULFUR	0.00	12.50	2	Sulfur	3	NO	NO
72167-24	ARMOR TECH CLT 825	20.00	0.00	1	Chlorothalonil	2	YES	NO
100-1231	INSTRATA	15.00	0.00	1	Chlorothalonil; Fludioxonil; Propiconazole	3	YES	NO
1001-69	3336 F	10.00	0.00	1	Thiophanate-methyl	3	YES	YES
228-684	NUFARM IPRDIONE SPC FUNGICIDE	7.20	0.00	1	Iprodione	3	YES	NO
71962-1	AGRI-FOS SYSTEMIC FUNGICIDE	2.00	0.00	1	Mono- and di-potassium salts of phosphorous acid	3	NO	NO
228-633	NUFARM PROPICONAZOLE SPC EC FUNGICIDE	1.25	0.00	1	Propiconazole	2	YES	NO
74779-2	BACASTAT TREE INJECTION	0.00	0.00	1	Oxytetracycline hydrochloride	3	NO	YES
7969-255	HONOR FUNGICIDE	0.00	72.00	1	Nicobifen; Pyraclostrobin	3	YES	NO
66330-41	ENDORSE WETTABLE POWDER TURF FUNGICIDE	0.00	28.00	1	Polyoxin D zinc salt	3	NO	NO
10404-58	LESCO GRANULAR TURF FUNGICIDE	0.00	18.00	1	Triadimefon	3	YES	YES
400-416	TERRAZOLE 35% WETTABLE POWDER	0.00	6.00	1	Terrazole	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
100-969	SCHOLAR FUNGICIDE	0.00	5.00	1	Fludioxonil	3	NO	NO
100-794	SUBDUE GR	0.00	3.00	1	Mefenoxam	3	NO	NO
5905-289	HELENA WETTABLE SULPHUR	0.00	3.00	1	Sulfur	3	NO	NO
62388-1	NOGALL	0.00	0.22	1	Agrobacterium radiobacter strain K1026	3	NO	NO
Other (Repellents, Biochemical Pesticides, Etc.)								
69117-7	PINSCHER PGR	0.08	0.00	39	Dikegulac sodium	3	NO	NO
80917-4	SHAKE-AWAY CRITTER REPELLENT GRANULES	0.00	208.80	19	Fox urine	3	NO	NO
60061-71	PETTIT MARINE PAINT PREMIUM SINGLE SEASON ABLATIVE	14.00	0.00	13	Copper oxide (ous)	2	NO	NO
71096-7	ORTHO BUG-GETA SNAIL & SLUG KILLER 1	0.00	3.81	8	Metaldehyde	3	NO	NO
100-1014	PACLOBUTRAZOL 2SC	0.00	5.25	7	Paclobutrazol	3	NO	NO
67356-1	DEER-OFF DEER REPELLANT CONCENTRATE	1.19	0.00	6	Capsicum oleoresin; Garlic; Putrescent whole egg solids	3	NO	NO
2724-421	ZOECON RF-292 BRIQUET	0.00	44.75	6	S-Methoprene	3	NO	NO
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.00	0.98	6	(7S)-Hydroprene	3	NO	NO
81117-1	RO-PEL ANIMAL & RODENT REPELLENT	0.31	0.00	5	Benzyl diethyl [(2,6-xyllyl carbamoyl) methyl] ammonium saccharide; Thymol	3	NO	NO
60061-14	WOOLSEY/Z*SPAR SUPER TOX ANTI-FOULING FINISH B-74	3.00	0.00	3	Copper oxide (ous)	2	NO	NO
60061-87	PETTIT MARINE PAINT HYDROCOAT ABLATIVE ANTIFOULING	3.00	0.00	2	Copper oxide (ous)	2	NO	NO
1706-179	STABREX ST 70	14.00	0.00	1	Sodium hypochlorite; Sodium bromide	1	NO	NO
60061-63	PETTIT MARINE PAINT UNEPOXY STANDARD ANTIFOULING B	1.00	0.00	1	Copper oxide (ous)	2	NO	NO
2217-768	EMBARK E-Z-TU-USE PLANT GROWTH REGULATOR	0.50	0.00	1	Mefluidide, diethanolamine salt	3	NO	NO
67238-1	HOT PEPPER WAX	0.03	0.00	1	Capsicum oleoresin	3	NO	NO
73049-15	PROGIBB 4% PLANT GROWTH REGULATOR SOLUTION	0.00	0.00	1	Gibberellins	2	NO	NO