



Pesticide Use by New York City Agencies in 2013

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Pesticide Use by New York City Agencies in 2013

EXECUTIVE SUMMARY

Local Law 54 of 2007 requires the New York City Department of Health and Mental Hygiene (DOHMH) to summarize pesticide use by City agencies annually. In 2013, 34 municipal agencies reported to DOHMH their pesticide use in a format that enabled summarization within and across agencies. This report summarizes pesticides applied by or on behalf of agencies on city owned or leased property.

Key findings include:

- Pesticides were applied a total of 138,557 times by New York City in 2013. Agencies used a total of 6,179 gallons and 110,698 pounds of pesticides. (Table 1)
- The small increase in the number of applications made in 2013 was mainly due to a higher number of applications made by NYCHA with no corresponding increase in the amounts of pesticides applied by the agency.
- Insecticides were the most frequently applied type of pesticide, accounting for nearly 65% of all applications. (Table 1)
- The most heavily used type of pesticide by volume was fungicides, accounting for 28% while insecticides by weight made up 59% of all pesticides used by City agencies (Table 1). When excluding the DOHMH West Nile Virus (WNV) larviciding program, rodenticides were the most heavily used with 45% by weight.
- New York City agencies are not the only users of pesticides in New York City. New York State has summarized pesticide use by all licensed commercial applicators. Comparing New York City agencies' use in 2013 to citywide commercial use in 2005 (the last year New York State released data), local government use accounts for an estimated 1.8% of the total volume of liquid pesticides, and 11.5% of the total pounds of solid pesticides applied within the five boroughs of New York City.
- In comparison to 2012, there was a 57% decrease in herbicide use by volume continuing a declining trend (Figure 2). Much of the decline was due to a 47% decrease in glyphosate products used (Figure 3).
- The Parks Department ceased using pre-emergent herbicides near roadways and along walkways and perimeters of city parks.
- There was a 28% decrease in insecticides by volume. Most of that decrease was a 40% decline in pyrethroids applied, especially for the control of cockroaches and bed bugs. (Figure 2 and Figure 6)

- “Best Management Practices” products (Appendix 3) – largely gel and bait insecticides with little potential for human exposure – accounted for 27% of the number of insecticide applications in 2013. When excluding WNV larvicides, the number of these applications reported by weight increased 5.7% as compared with 2012(data not shown). However, the total quantity (weight) of these “Best Management Practices” products used to treat roaches decreased by 8%. (Figure 4)
- There was a 15% increase in rodenticide amounts used by agencies over 2012. The frequency of applications and size of neighborhood rat ‘indexing’ campaigns can influence year-to-year trends in use. (Figure 1)
- As in previous years roaches were the most commonly targeted pests in 2013, with rats, mice, bed bugs and mosquitos making up the top 5 pests by number of total applications. (Table 3)
- The amount of pyrethroids by volume applied to target bed bugs decreased by 26% since 2012 reversing the increase seen in 2012. (Figure 6)
- The amount of pyrethroids by volume applied to target roaches continued to show wide fluctuations year to year with a 43% decline from 2012 to 2013 after a 29% increase from 2011 to 2012due to a significant decline in applications by HHC. (Figure 6)

Pesticide Use by New York City Agencies in 2013

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/l137> 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 sixth annual summary 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 2013, Thirty one agencies reported electronic.

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 2013. 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), the 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 available for download at <http://nyc.gov/health/1137>.

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. Products sold in solid form will primarily be reported by weight and liquids primarily by volume. 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 limitations in the data:

- Staff and contractor turnover has led to difficulty maintaining dependable and timely reporting from some agencies.
- Year to year variations in agency pesticide use can be due to a number of factors including but not limited to changes in practice, budgets and the incidence in actual pest problems.

Despite the above mentioned limitations, the data being captured continues to improve over previous years as more agencies and their contractors are using NYCPURS:

- The formats used were more streamlined for 2013 and we were able to capture more information pertaining to the target organisms of the pesticides applied by agencies.
- Reporting errors, especially in reporting the incorrect units, were greatly reduced in 2013 due to greater use of the NYCPURS system with input standardization and consistent formatting.

In 2013, 98% of records were either imported or directly entered into the NYCPURS system. 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).

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 2011 were: Contrac All-Weather Blox®, Generation Mini Blocks®, Weatherblok Bait with Bitrex® and Ditrac All-Weather Blox®.

In 2013, a total of 29,544 pounds of rodenticides were applied by City agencies, accounting for 30.3% by weight of all pesticides applied, and 45.4% by weight when excluding WNV larvicides. (Table 1)

Insecticides

A total of 2,026 gallons and 57,248 pounds of insecticides were applied by New York City in 2013, accounting for 23.7% by volume, and 58.6% by weight of the total applications. Biological insecticides applied to target mosquito larvae account for 80% of insecticides by weight (Table 1). When those products are excluded, 11,660 pounds of insecticides by weight were applied making up 17.9% of solid pesticides applied. Insecticides used by NYC agencies in 2013 were largely comprised of three classes of products; conventional pyrethrins and pyrethroids, organophosphates and carbamates, and “Best Management Practices” products, which either use active ingredients with very low toxicity or involve formulation or application methods that minimize potential exposure and environmental spread.

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. EPA has classified pyrethrins, their synergists, and several pyrethroids as suspected human carcinogens. 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 2013 include Whitmere Optem ME PT 600®, Steri-Fab®, Demand CS Insecticide®, Tempo SC Insecticide®, Suspend SC Insecticide® and Evercide Esfenvalerate 6.4% CS.

Together, pyrethrins and pyrethroids accounted in 2013 for 74.9% of the total insecticides amounts applied by volume and 11.9% by weight, 57.4% by weight when excluding WNV larvicides. These products made up 66% of the total number of insecticide applications. There was 40.4% decrease in pyrethroids applied by volume 2012 to 2013 mostly due to decreased applications by HHC and a decrease in use targeting bedbugs with a 26% reduction by volume and a 37% reduction in the number of 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 main organophosphate active ingredients used in 2013 were outdoor applications of chlorpyrifos and trichlorfon on certain golf courses. The few carbamate active ingredients used in 2013 include methomyl used in containerized baits. Organophosphate and carbamate products applied by agencies in 2013 include Nufarm Chlorpyrifos SPC 4 Insecticide®, Dylox 420 SL Turf and Ornamental Insecticide®, Stimukil Fly Bait® and Golden Malrin RF-128 Fly Killer®.

Reports submitted by agencies showed that, in 2013, the use of organophosphates and carbamates accounted for just 6.3% of the total insecticides applied by agencies by volume a 137% increase from 2012 levels, and 3.6% by weight, 17.5% by weight excluding WNV larvicides, a 152% increase from 2012, with 99% of the amount by weight and 99.8% of the amount by volume applied by NYC on golf courses. These products remain a very small percentage of the insecticides used by city agencies. These products made up only 0.06% of the total number of insecticide applications.

“Best Management Practices” Insecticides

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. These products are the preferred insecticides used by agencies as part of their integrated pest management program and are referred to as “Best Management Practices” Insecticides (BMP). A complete list of these products is listed in Appendix 3.

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®, Vectomax FG®, Avert Prescription Treatment TC 93A Bait®, and DuPont Advion Cockroach Gel Bait®.

In 2013 10.9% of the total insecticides applied by volume, and 83.4% by weight, were insecticidal dusts, gels and baits, or biological larvicides. Excluding WNV larvicides, the totals equal 18.5% of insecticide products by weight. These products made up 27% of the total number of insecticide applications.

Herbicides

The herbicides used by New York City agencies in 2013 were used primarily for vegetation control in parks and for the maintenance of highways and street medians. The active ingredients most commonly used in 2013 were glyphosate, dinitroanilines, chlorophenoxyacetic acids and ureas. Herbicides were a major contributor of pesticide use by agencies.

A total of 1,458 gallons and 13,762 pounds were applied, accounting for 17.1% of total volume and 14.1% of total weight, 21.1% when excluding WNV larvaciding, of all pesticides used by agencies in 2013. (Table 1)

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 2013 57% of applications of herbicide by volume contained glyphosate, a 22% increase from 2012.

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 2013 were The Andersons Weed & Grass Preventer With 5% Trammel Herbicide® and Lebanon Fertilizer With Barricade (0.43%) Preemergence Weed Control®. In 2013 the Parks Department chose not to use pendimethalin-containing herbicides around cobblestones and concrete surfaces of sidewalks or walkways in areas adjacent to roadways, such as park perimeters or “Greenstreets” or in areas adjacent to roadways with limited access from the public.

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 - mecroprop-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 2013 were Riverdale Vanquish Herbicide® and Lesco Three-Way Bentgrass 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 Sulfometuron methyl, Halosulfuron-methyl and Siduron. Common urea products used by NYC agencies in 2013 were Dupont Oust Extra Herbicide® and Nufarm Prosedge Selective Herbicide ®.

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 2013 were chlorothalonil, thiophanate-methyl, propiconazole, azoxystrobin, iprodione and triadimefon. Common fungicide products applied in 2013 include Heritage Fungicide®, Bayleton Flo Turf and Ornamental Fungicide ® and Lesco Twosome Fungicide®.

Fungicides make up a smaller portion of the overall pesticide use by agencies, accounting for 27.5% of the total pesticide applied by volume and 10.4% by weight, and 15.6% by weight when excluding WNV larvicides. (Table 1)

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 138,557 times by New York City in 2013. The pesticides applied most frequently by New York City were insecticides. Insecticides were the most heavily used in terms of weight and herbicides in terms of volume. In 2012, 79.6% 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 17.9% of the total pesticide by weight would be due to insecticides. The majority of rodenticide applied by the City of New York is placed directly into rat burrows and poses little risk of exposure to the public. Table 1, below, summarizes these findings. All following tables are sorted in order of descending number of applications within each pesticide type listed below.

Table 1. Total Applications Reported Applied by NYC Agencies in 2013, by Pesticide Type

| Pesticide Type | Volume | | Weight | | | Times Applied | |
|----------------|-----------------|------------|-------------------|------------|-----------|----------------|------------|
| | Gallons | % of Total | Pounds | % of Total | % wo WNV* | Number | % of Total |
| Rodenticide | 310.01 | 3.6% | 29,543.78 | 30.3% | 45.4% | 48,421 | 36.4% |
| Insecticide | 2,026.11 | 23.7% | 57,247.98 | 58.6% | 17.9% | 85,914 | 64.6% |
| Herbicide | 1,458.08 | 17.1% | 13,761.65 | 14.1% | 21.1% | 3,416 | 2.6% |
| Fungicide | 2,347.77 | 27.5% | 10,134.85 | 10.4% | 15.6% | 764 | 0.6% |
| Other | 37.83 | 0.4% | 9.31 | 0.0% | 0.0% | 42 | 0.0% |
| Totals: | 6,179.79 | | 110,697.56 | | | 138,557 | |

*% when application of mosquito larvicide for West Nile virus control is excluded from total.

Table 2, below lists the ten most frequently used products used for each pesticide type on New York City owned or leased property in 2013. 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 or developmental 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 2013 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 | | | | | | | | |
| 7173-258 | DIFETHIALONE PASTE PLACE PACKS | 8.95 | 5,141.06 | 14994 | Difethialone | 3 | NO | NO |
| 12455-86 | CONTRAC RODENTICIDE PLACE PAC | 5.47 | 4,799.30 | 8421 | Bromadiolone | 3 | NO | NO |
| 12455-79 | CONTRAC ALL-WEATHER BLOX | 0.54 | 7,375.86 | 7276 | Bromadiolone | 3 | NO | NO |

| EPA Reg. # | EPA Product Name | Volume (Gals) | Weight (Lbs) | No. Appl's. | Active Ingredient(s) | EPA Tox Cat | EPA Carcin | CA Dev. Toxin |
|---------------------|--|---------------|--------------|-------------|--|-------------|------------|---------------|
| 12455-69 | CONTRAC RODENTICIDE | 0.00 | 5,508.41 | 4430 | Bromadiolone | 3 | NO | NO |
| 12455-133 | CONTRAC WITH LUMITRACK | 0.00 | 1,831.98 | 4222 | Bromadiolone | 3 | NO | NO |
| 100-1050 | TALON-G RODENTICIDE BAIT PACK MINI-PELLETS WITH BI | 0.00 | 1,470.71 | 2751 | Brodifacoum | 3 | NO | NO |
| 12455-56 | DITRAC TRACKING POWDER | 0.10 | 461.83 | 1025 | Diphacinone | 2 | NO | NO |
| 12455-75 | CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC | 0.00 | 602.34 | 975 | Bromadiolone | 3 | NO | NO |
| 7173-218 | GENERATION MINI BLOCKS | 281.28 | 466.33 | 641 | Difethialone | 3 | NO | NO |
| 56-42 | BAIT BLOCK RODENTICIDE WITH PEANUT BUTTER FLAVORIZ | 0.00 | 372.50 | 617 | Diphacinone | 3 | NO | NO |
| Insecticides | | | | | | | | |
| 432-763 | SUSPEND SC INSECTICIDE | 401.01 | 20.82 | 38226 | Deltamethrin | 3 | NO | NO |
| 499-304 | WHITMIRE OPTEM ME PT 600 | 91.36 | 4.38 | 8879 | Cyfluthrin | 3 | NO | NO |
| 397-13 | STERI-FAB | 601.97 | 5,187.64 | 4942 | Phenothrin; Isopropyl alcohol; Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride; Didecyl dimethyl ammonium chloride | 2 | NO | NO |
| 100-1484 | DUPONT ADVION COCKROACH GEL BAIT | 0.00 | 167.37 | 4717 | Indoxacarb | 3 | NO | NO |
| 64405-2 | REDZONE BAIT | 0.40 | 782.12 | 3054 | Boric acid | 3 | NO | NO |
| 432-1363 | TEMPO SC INSECTICIDE | 111.72 | 28.44 | 2361 | Cyfluthrin, beta | 3 | NO | NO |
| 2724-351 | ZOECON RF-259 EMULSIFIABLE CONCENTRATE | 17.90 | 0.56 | 2288 | (7S)-Hydroprene | 3 | NO | NO |
| 432-1460 | MAXFORCE FC ROACH KILLER BAIT GEL F.05 | 0.12 | 71.77 | 2122 | Fipronil | 3 | YES | NO |
| 73049-429 | VECTOMAX FG | 0.00 | 644.70 | 2091 | Bacillus sphaericus; Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52 | 3 | NO | NO |
| 432-1259 | PRODUCT: RBF5 | 0.86 | 92.13 | 1915 | Fipronil | 3 | YES | NO |

Herbicides

| EPA Reg. # | EPA Product Name | Volume (Gals) | Weight (Lbs) | No. Appl's. | Active Ingredient(s) | EPA Tox Cat | EPA Carcin | CA Dev. Toxin |
|-------------------|--|---------------|--------------|-------------|---|-------------|------------|---------------|
| 524-579 | ROUNDUP PROMAX | 243.73 | 2.65 | 1226 | Glyphosate, potassium salt | 3 | NO | NO |
| 62719-556 | ACCORD XRT II | 411.98 | 0.00 | 539 | Glyphosate, dimethylammonium salt | 3 | NO | NO |
| 62719-527 | GARLON 4 ULTRA | 59.80 | 0.00 | 261 | Triclopyr | 2 | NO | NO |
| 352-622 | DUPONT OUST EXTRA HERBICIDE | 0.29 | 27.94 | 207 | Sulfometuron methyl; Metsulfuron-methyl | 3 | NO | NO |
| 228-397 | RIVERDALE VANQUISH HERBICIDE | 49.15 | 7.88 | 201 | Dicamba, diglycolamine salt | 3 | NO | NO |
| 62719-176 | PATHFINDER II | 279.00 | 0.00 | 183 | Triclopyr, butoxyethyl ester | 3 | NO | NO |
| 524-475 | ROUNDUP ULTRA HERBICIDE | 79.14 | 0.00 | 127 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 62719-324 | GLYPRO | 39.93 | 0.00 | 103 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 432-1516 | ESPLANADE 200 SC | 2.02 | 0.00 | 98 | Indaziflam | 3 | NO | NO |
| 100-937 | PRIMO MAXX | 55.56 | 0.00 | 63 | Trinexapac-ethyl | 3 | NO | NO |
| Fungicides | | | | | | | | |
| 100-1364 | DACONIL ACTION | 489.41 | 0.00 | 86 | Acibenzolar-S-methyl; Chlorothalonil | 2 | YES | NO |
| 71065-3 | COMPANION LIQUID BIOLOGICAL FUNGICIDE | 304.50 | 0.00 | 54 | Bacillus subtilis GBO3 | 3 | NO | NO |
| 100-1093 | HERITAGE FUNGICIDE | 0.00 | 90.84 | 37 | Azoxystrobin | 3 | NO | NO |
| 79676-17 | LESCO TWOSOME FUNGICIDE | 121.51 | 0.00 | 36 | Iprodione; Thiophanate-methyl | NULL | NO | NO |
| 7969-290 | INSIGNIA SC INTRINSIC BRAND FUNGICIDE | 23.70 | 0.00 | 34 | Pyraclostrobin | 2 | NO | NO |
| 432-1445 | BAYLETON FLO TURF AND ORNAMENTAL FUNGICIDE | 44.18 | 0.00 | 33 | Triadimefon | 3 | YES | YES |
| 55260-9 | PROPLANT TURF AND ORNAMENTAL FUNGICIDE | 72.76 | 10.00 | 27 | Propamocarb hydrochloride | 3 | NO | NO |
| 70299-1 | ZEROTOL ALGAECIDE/FUNGICIDE | 83.03 | 0.00 | 23 | Hydrogen peroxide | 1 | NO | NO |
| 70127-2 | NOVOZYMES BIOFUNGICIDE GREEN RELEAF 710-140 | 101.00 | 0.00 | 22 | Bacillus licheniformis SB3086; IBA | 3 | NO | NO |
| 432-942 | BANOL TURF AND ORNAMENTAL FUNGICIDE | 47.00 | 0.00 | 21 | Propamocarb hydrochloride | 3 | NO | NO |
| Other | | | | | | | | |
| 60061-71 | PETTIT MARINE PAINT PREMIUM SINGLE SEASON ABLATIVE | 23.00 | 0.00 | 16 | Copper oxide (ous) | 2 | NO | NO |

| EPA Reg. # | EPA Product Name | Volume (Gals) | Weight (Lbs) | No. Appl's. | Active Ingredient(s) | EPA Tox Cat | EPA Carcin | CA Dev. Toxin |
|------------|--|---------------|--------------|-------------|--|-------------|------------|---------------|
| 71096-7 | ORTHO BUG-GETA SNAIL & SLUG KILLER 1 | 0.00 | 8.00 | 10 | Metaldehyde | 3 | NO | NO |
| 59807-4 | HORMODIN 1 | 0.00 | 0.31 | 7 | IBA | 3 | NO | NO |
| 73049-15 | PROGIBB 4% PLANT GROWTH REGULATOR SOLUTION | 0.00 | 0.00 | 4 | Gibberellins | 2 | NO | NO |
| 499-368 | WHITMIRE PT 2000 GREEN-SHIELD HORTICULTURAL ALGICIDE, DISINFECTANT | 0.08 | 0.00 | 2 | Alkyl (68%C12, 32%C14) dimethylethylbenzyl ammonium chloride; Alkyl* dimethyl benzyl ammonium chloride *(60%C14, 30%C16, 5%C18, 5%C12) | 1 | NO | NO |
| 1448-212 | CHEMICIDE 100-15 | 14.00 | 0.00 | 1 | Poly(oxyethylene) (dimethylimino) ethylene (dimethylimino) ethylene dichloride | 3 | NO | NO |
| 2217-768 | EMBARK E-Z-TU-USE PLANT GROWTH REGULATOR | 0.75 | 0.00 | 1 | Mefluidide, diethanolamine salt | 3 | NO | NO |
| 73049-67 | DITERA DF BIOLOGICAL NEMATOCIDE | 0.00 | 1.00 | 1 | Myrothecium verrucaria, dried fermentation solids & solubles | 3 | NO | NO |

C. CHANGES IN PESTICIDE USE

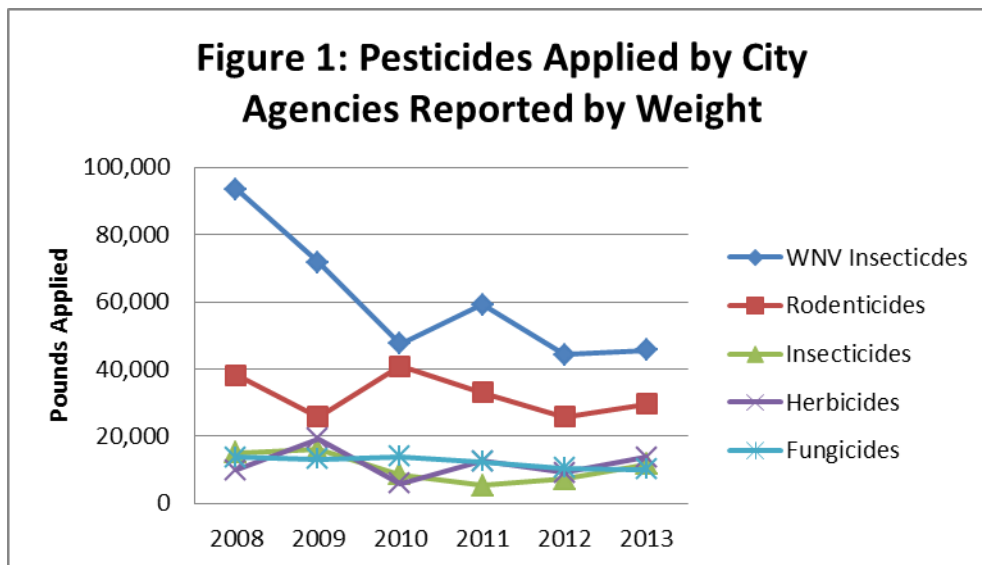
The level of completeness of agency pesticide reporting has improved dramatically over the past five years. Having a sufficiently complete record of pesticide applications by the City of New York and its contractors has now made it possible for a year to year comparison of trends in pesticide use by city agencies. Some of the analyses of these trends are stratified by target pest. A complete listing of application amounts by target pest is listed in Table 3.

Table 3: Complete listing of pesticide applications by New York City Agencies by Target Pest, 2013

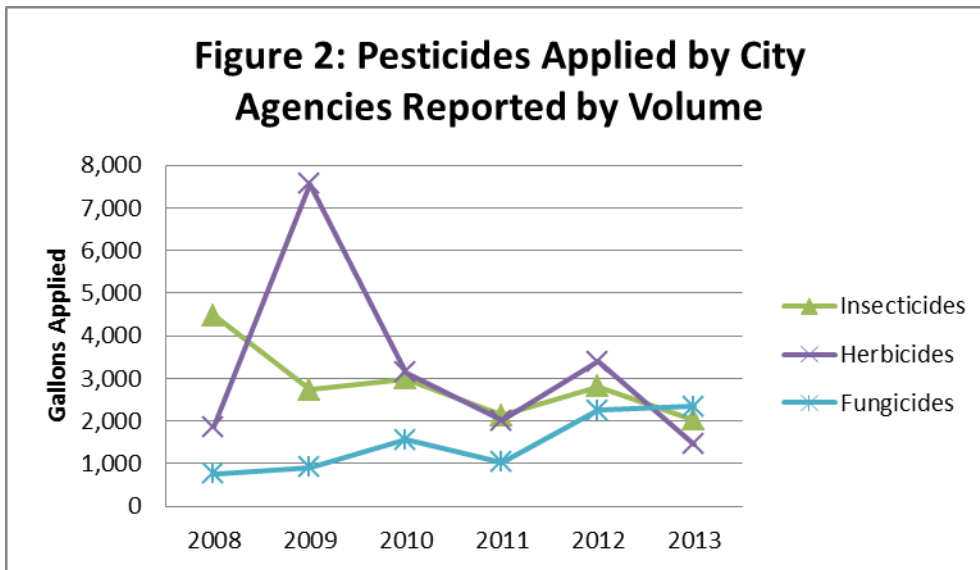
| Target Pest | Volume in Gallons | Weight in Pounds | Total Applications | % of Total Applications |
|--------------------------|-------------------|------------------|--------------------|-------------------------|
| Roaches | 810 | 2,254 | 63,339 | 46% |
| Rats | 15 | 20,537 | 29,148 | 21% |
| Mice | 319 | 8,530 | 20,434 | 15% |
| Bedbugs | 705 | 5,011 | 11,326 | 8% |
| Mosquitoes | 9 | 47,619 | 3,624 | 3% |
| Weeds, vines, or grasses | 1,458 | 13,762 | 3,414 | 2% |
| Ants | 57 | 144 | 2,199 | 2% |
| Other Crawling Insects | 229 | 2,079 | 1,881 | 1% |
| Flying insects | 158 | 361 | 1,585 | 1% |

| Target Pest | Volume in Gallons | Weight in Pounds | Total Applications | % of Total Applications |
|-------------------------------|-------------------|------------------|--------------------|-------------------------|
| Fungal Disease or Infestation | 2,348 | 10,135 | 764 | 1% |
| Other Pests | 72 | 93 | 471 | 0% |
| Other Rodents | 0 | 173 | 372 | 0% |
| Other Pests | 268 | 2,017 | 528 | 0% |
| Other Rodents | 0 | 125 | 110 | 0% |
| Totals: | 6,180 | 110,698 | 138,557 | |

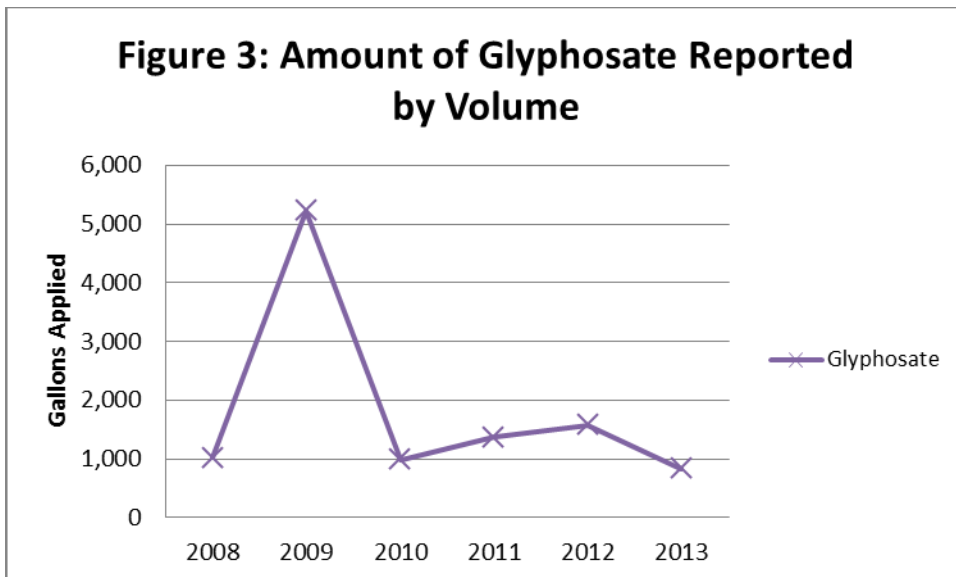
Figures 1 and 2 show trends from 2008 through 2013 in use of pesticides by city agencies by type of pesticide, with products reported by weight and volume respectively. In Figure 1, WNV program larvicides are charted separately from other insecticides because WNV larvicides are a large proportion of city insecticide use and because year to year variation in larvicide use is more weather dependent than use of other insecticides. Pesticides reported by weight were fairly consistent from 2012 to 2013 with an overall 13% increase in use reported by weight. Much of the increase was driven by a 49% increase from levels reported in 2012 of solid herbicides. A slight decline of 4% was seen in the reporting of solid fungicides which are almost exclusively applied to turf on city golf course (Figure 1).



Rodenticides and WNV larvacides are not included in Figure 2 as the products are almost exclusively solid formulations.



In 2013 overall herbicides use reported by volume declined by 57% (Figure 2) driven by a 47% decrease in the amount of glyphosate applied by volume (Figure 3). The high volume of herbicide (mostly glyphosate) used in 2009 was due in part to variable weather conditions more conducive to weed growth and large discreet projects by the Parks department to control invasive species after previous years of delayed maintenance in remote, often wooded, parkland.

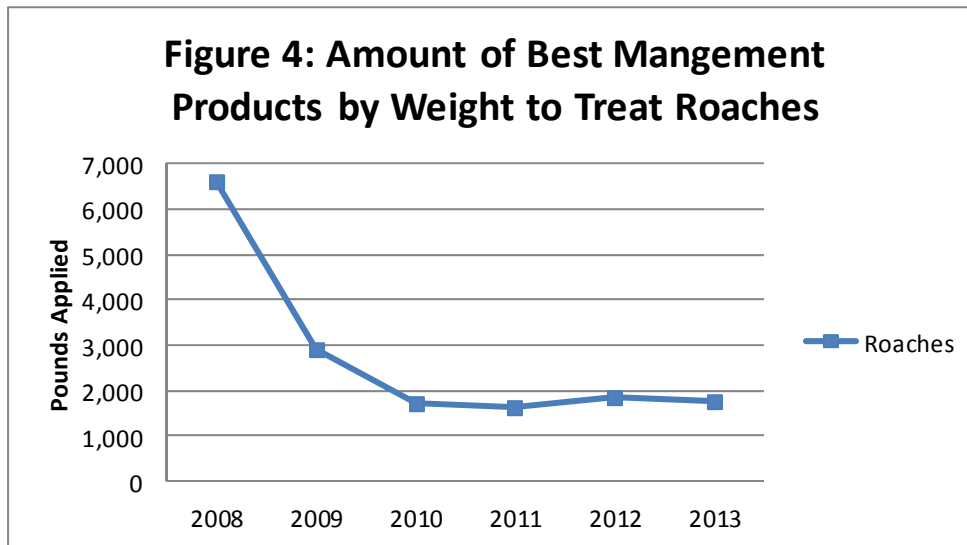


There was also a 28% decline in insecticide reported by volume from lesser amounts of certain pyrethroid products. Fungicides reported by volume increased slightly to 4% in 2013.

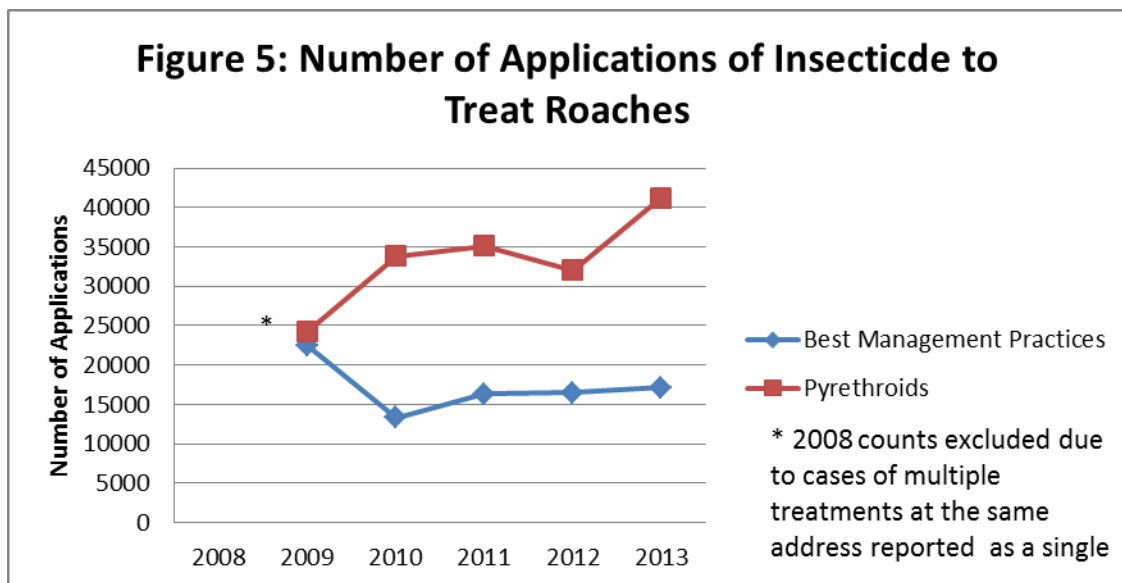
From 2008 to 2013 there was a 55% decrease in use of insecticides reported by volume, with most of the change occurring between 2008 and 2009 (Figure 2). From 2008 to 2013 there was also a drop of 51% in WNV larvicides by weight (Figure 1).

Use of spray formulations vs. Best Management Practices

After a large reduction in BMP products to combat roaches from 2008 to 2011 and a further small increase in 2012, use of these products again declined by 6% in 2013. However, the amount of use of these products seems to have leveled off since 2010 (Figure 4).



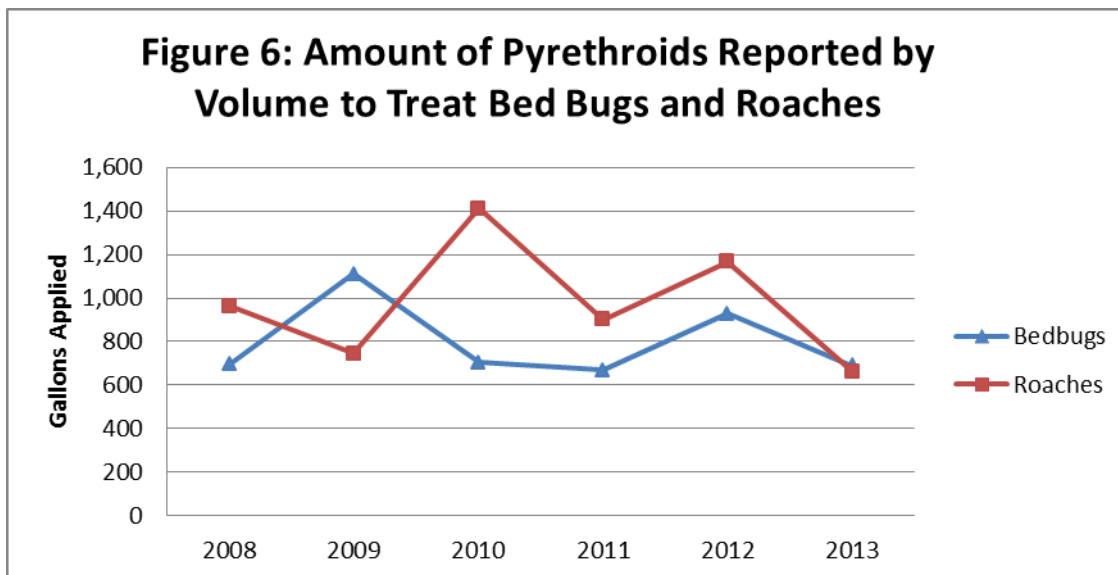
There was a 29% increase in the number of pyrethroid applications to treat roaches from 2012 to 2013, while the number of applications of BMP products remained steady (Figure 5).



Bed Bugs vs. Roaches

Looking at pyrethroid spray products by volume targeting roaches, the use of these products decreased by 43% from 2012 to 2013 after increasing by 29% from 2011 to 2012 (Figure 6). There was also a 26% decrease from 2012 to 2013 in gallons of pyrethroids used by city agencies to treat bed bugs after a 39% increase from 2011 to 2012 (Figure 6). The number of applications of pyrethroids to treat bed bugs also declined in 2013 by 37% (data not shown). However, the number of pyrethroid applications to treat roaches increased by 26% (Figure 5).

This difference in 2013 seems partly due to a smaller average application rate of pyrethroids (quantity used per application) by HHC.



Rodents

Rodenticide use has fluctuated year to year with no clear trend, which was true again in 2013. The amount reported by weight increased by 15% in 2013 after a 22% decline in 2012. Year to year changes may be due in part to the frequency of neighborhood rat indexing activity.

Mosquitoes

The DOHMH MNV Vector Control program applied 45,415 pounds of larvicide and 1,356 pounds of adulticide in 2013. This was a slight increase of 3% in larvicide reported by weight from 2012 (Figure 1). This maintains a lower amount that has been declining since 2008. The amount of adulticide required to be applied by DOHMH has been quite variable from year to year depending on the weather and severity of mosquito populations around the city.

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 (ACS) 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. The Department of Juvenile Justice (DJJ) was merged into this agency in December 2010. The agency contracts for pest management services.

Table 4 summarizes pesticide use by pesticide type. Table 5 lists all pesticide products used by ACS in 2013, primarily at facilities previously under management of the DJJ.

Table 4: Types of Pesticides Used by ACS in 2013

| Pesticide Type | Volume | | Weight | | Times Applied | |
|----------------|------------|------------|--------------|------------|---------------|------------|
| | Gallons | % of Total | Pounds | % of Total | Number | % of Total |
| Rodenticide | 0.0 | 0.0% | 88.4 | 82.8% | 86 | 19.8% |
| Insecticide | 0.0 | 0.0% | 18.4 | 17.2% | 349 | 80.2% |
| Totals | 0.0 | | 106.8 | | 435 | |

Table 5: Pesticide Products Used by ACS in 2012

| 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 | 87.88 | 83 | Bromadiolone | 3 | NO | NO |
| 7173-258 | DIFETHIALONE PASTE PLACE PACKS | 0.00 | 0.53 | 3 | Difethialone | 3 | NO | NO |
| Insecticides | | | | | | | | |
| 100-1484 | DUPONT ADVION COCKROACH GEL BAIT | 0.00 | 6.63 | 291 | Indoxacarb | 3 | NO | NO |
| 64405-2 | REDZONE BAIT | 0.00 | 11.45 | 37 | Boric acid | 3 | NO | NO |
| 432-1259 | PRODUCT: RBF5 | 0.00 | 0.15 | 10 | Fipronil | 3 | YES | NO |
| 432-1264 | MAXFORCE FC ANT KILLER BAIT GEL | 0.00 | 0.09 | 9 | Fipronil | 3 | YES | NO |
| 73079-2 | INTICE GRANULAR BAIT | 0.00 | 0.06 | 2 | Boric acid | 3 | NO | NO |

Aging, Department for the

The Department for the Aging (DFTA) promotes, administers and coordinates the development and provision of services for older New Yorkers to help them maintain their independence and participation in their communities. It 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. Pesticide use arranged by privately operated facilities by their subcontractors is not required to be reported and is not included in this report, which includes only pest management services contracted directly by DFTA. The agency reported that no pesticides were used during 2013.

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 6 summarizes pesticide use by pesticide type. Table 7 lists all pesticide products used by BPL in 2013.

Table 6: Types of Pesticides Used by BPL in 2013

| Pesticide Type | Volume | | Weight | | Times Applied | |
|----------------|------------|------------|--------------|------------|---------------|------------|
| | Gallons | % of Total | Pounds | % of Total | Number | % of Total |
| Rodenticide | 0.0 | 0.0% | 136.2 | 74.2% | 627 | 45.7% |
| Insecticide | 3.0 | 100.0% | 47.4 | 25.8% | 744 | 54.3% |
| Totals | 3.0 | | 183.6 | | 1,371 | |

Table 7: Pesticide Products Used by BPL in 2013 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 | | | | | | | | |
| 7173-258 | DIFETHIALONE PASTE PLACE PACKS | 0.00 | 136.20 | 627 | Difethialone | 3 | NO | NO |
| Insecticides | | | | | | | | |
| 100-1498 | DUPONT ADVION ANT GEL | 0.00 | 47.40 | 704 | Indoxacarb | 3 | NO | NO |
| 279-9554 | CB INSECTICIDE WITH DELTAMETHRIN | 2.95 | 0.00 | 20 | Deltamethrin | 3 | NO | NO |
| 432-763 | SUSPEND SC INSECTICIDE | 0.06 | 0.00 | 20 | Deltamethrin | 3 | NO | NO |

City University of New York

The City University of New York (CUNY) is the nation's largest urban public university and is comprised of 23 institutions. The University serves more than 260,000 degree-credit students and 273,000 adult, continuing and professional education students. Individual institutions contracts for pest control services through private vendors. The data reported is information received from 15 colleges, Baruch College, Borough of Manhattan Community College, Brooklyn 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 8 summarizes pesticide use by pesticide type. Table 9 lists all pesticide products used by CUNY in 2013.

Table 8: Types of Pesticides Used by CUNY in 2013

| Pesticide Type | Volume | | Weight | | Times Applied | |
|----------------|------------|------------|----------------|------------|---------------|------------|
| | Gallons | % of Total | Pounds | % of Total | Number | % of Total |
| Rodenticide | 0.0 | 0.4% | 576.7 | 20.8% | 664 | 40.2% |
| Insecticide | 3.8 | 53.7% | 29.5 | 1.1% | 974 | 59.0% |
| Herbicide | 3.2 | 45.9% | 2160.0 | 78.1% | 12 | 0.7% |
| Totals | 7.0 | | 2,766.2 | | 1,650 | |

Table 9: Pesticide Products Used by CUNY in 2013 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 | 523.76 | 553 | Bromadiolone | 3 | NO | NO |
| 7173-258 | DIFETHIALONE PASTE PLACE PACKS | 0.00 | 15.62 | 46 | Difethialone | 3 | NO | NO |
| 12455-56 | DITRAC TRACKING POWDER | 0.00 | 4.97 | 15 | Diphacinone | 2 | NO | NO |
| 12455-89 | FINAL ALL-WEATHER BLOX | 0.00 | 3.09 | 15 | Brodifacoum | 3 | NO | NO |
| 12455-86 | CONTRAC RODENTICIDE PLACE PAC | 0.00 | 14.18 | 14 | Bromadiolone | 3 | NO | NO |
| 100-1055 | WEATHERBLOK BAIT WITH BITREX | 0.00 | 11.77 | 13 | Brodifacoum | 3 | NO | NO |
| 100-1057 | TALON-G RODENTICIDE MINI-PELLETS WITH BITREX | 0.00 | 1.50 | 2 | Brodifacoum | 3 | NO | NO |
| 12455-16 | ZP TRACKING POWDER | 0.00 | 0.94 | 2 | Zinc phosphide | 1 | NO | NO |
| 12455-91 | FINAL RODENTICIDE READY-TO-USE PLACE PAC | 0.03 | 0.00 | 1 | Brodifacoum | 3 | NO | NO |
| 12455-80 | DITRAC ALL-WEATHER BLOX | 0.00 | 0.44 | 1 | Diphacinone | 3 | NO | NO |
| 7173-297 | BROMADIOLONE PASTE 0901 | 0.00 | 0.40 | 1 | Bromadiolone | 3 | NO | NO |
| 56-42 | BAIT BLOCK RODENTICIDE WITH PEANUT BUTTER FLAVORIZ | 0.00 | 0.02 | 1 | Diphacinone | 3 | NO | NO |
| Insecticides | | | | | | | | |
| 100-1484 | DUPONT ADVION COCKROACH GEL BAIT | 0.00 | 7.79 | 486 | Indoxacarb | 3 | NO | NO |
| 352-652 | ADVION COCKROACH GEL BAIT | 0.00 | 1.21 | 76 | Indoxacarb | 3 | NO | NO |
| 432-763 | SUSPEND SC INSECTICIDE | 0.32 | 0.00 | 74 | Deltamethrin | 3 | NO | NO |
| 432-1363 | TEMPO SC INSECTICIDE | 0.00 | 3.13 | 53 | Cyfluthrin, beta | 3 | NO | NO |
| 432-1262 | MAXFORCE IBH10 | 1.36 | 0.00 | 47 | Hydramethylnon | 3 | YES | YES |
| 64405-2 | REDZONE BAIT | 0.00 | 12.71 | 44 | Boric acid | 3 | NO | NO |
| 352-746 | ADVION ANT GEL | 0.00 | 1.16 | 24 | Indoxacarb | 3 | NO | NO |
| 100-1066 | DEMAND CS INSECTICIDE | 0.04 | 0.00 | 20 | Cyhalothrin, lambda | 3 | NO | NO |
| 432-1264 | MAXFORCE FC ANT KILLER BAIT GEL | 0.11 | 0.18 | 18 | Fipronil | 3 | YES | NO |
| 73079-2 | INTICE GRANULAR BAIT | 0.25 | 0.28 | 17 | Boric acid | 3 | NO | NO |
| 1021-1828 | MGK ROACH BAIT 2822 | 0.00 | 0.40 | 14 | Avermectin | 3 | NO | NO |
| 432-1257 | MAXFORCE ROACH BAIT F.05 | 0.00 | 0.36 | 12 | Fipronil | 3 | YES | NO |

| EPA Reg. # | EPA Product Name | Volume (Gals) | Weight (Lbs) | No. Appl's. | Active Ingredient(s) | EPA Tox Cat | EPA Carcin | CA Dev. Toxin |
|------------|---|---------------|--------------|-------------|--|-------------|------------|---------------|
| 100-1498 | DUPONT ADVION ANT GEL | 0.00 | 0.98 | 10 | Indoxacarb | 3 | NO | NO |
| 499-515 | MOTHEREARTH GRANULAR SCATTER BAIT | 0.23 | 0.00 | 8 | Boric acid | 3 | NO | NO |
| 67425-14 | ECOPCO ACU | 0.28 | 0.00 | 7 | Phenylethyl propionate | 3 | NO | NO |
| 279-9554 | CB INSECTICIDE WITH DELTAMETHRIN | 0.21 | 0.00 | 6 | Deltamethrin | 3 | NO | NO |
| 499-492 | PRESCRIPTION TREATMENT BRAND 388B ADVANCE ANT GEL BAIT | 0.14 | 0.10 | 6 | Borax | 3 | NO | NO |
| 432-1455 | BES 0026 FLY SPOT BAIT | 0.00 | 0.00 | 6 | Imidacloprid; (Z)-9-Tricosene | 3 | NO | NO |
| 352-651 | ADVION INSECT GRANULE | 0.00 | 0.38 | 6 | Indoxacarb | 3 | NO | NO |
| 432-1259 | PRODUCT: RBF5 | 0.00 | 0.12 | 6 | Fipronil | 3 | YES | NO |
| 432-763 | SUSPEND SC | 0.20 | 0.00 | 5 | Deltamethrin | 3 | NO | NO |
| 499-531 | PRESCRIPTION TREATMENT BRAND ALPINE PRESSURIZED INSECTICIDE | 0.19 | 0.00 | 5 | Dinotefuran | 3 | NO | NO |
| 100-1066 | BORDER INSECTICIDE | 0.04 | 0.00 | 5 | Cyhalothrin, lambda | 3 | NO | NO |
| 432-1256 | MAXFORCE FC ANT BAIT STATIONS | 0.26 | 0.00 | 3 | Fipronil | 3 | YES | NO |
| 499-507 | PRESCRIPTION TREATMENT BRAND ADVANCE 360A DUAL CHOICE ANT BAIT STATIONS | 0.06 | 0.00 | 2 | Dinotefuran | 3 | NO | NO |
| 432-1255 | MAXFORCE GRANULAR INSECT BAIT | 0.03 | 0.00 | 2 | Hydramethylnon | 3 | YES | YES |
| 1021-1603 | NYLAR 10EC | 0.01 | 0.00 | 2 | Pyriproxyfen | 3 | NO | NO |
| 6218-47 | SUMMIT B.T.I. BRIQUETS | 0.00 | 0.06 | 2 | Bacillus thuringiensis subspecies israelensis strain BMP 144 | 3 | NO | NO |
| 56-73 | EATON'S ANSWER BORIC ACID INSECTICIDAL DUST | 0.00 | 0.03 | 2 | Boric acid | 3 | NO | NO |
| 279-3206 | TALSTAR TC FLOWABLE TERMITICIDE/INSECTICIDE | 0.02 | 0.00 | 1 | Bifenthrin | 3 | YES | NO |
| 655-798 | PRENTOX EXCITE (R) | 0.02 | 0.00 | 1 | Pyrethrins; Piperonyl butoxide | 3 | YES | NO |
| 432-1483 | TEMPRID SC INSECTICIDE | 0.00 | 0.00 | 1 | Cyfluthrin, beta; Imidacloprid | 3 | NO | NO |
| 499-527 | PRESCRIPTION TREATMENT BRAND ALPINE DUST INSECTICIDE | 0.00 | 0.63 | 1 | Dinotefuran; Diatomaceous earth | 3 | NO | NO |
| 499-444 | WC INSECT FINISH XL II | 0.00 | 0.03 | 1 | Pyrethrins; Piperonyl butoxide | 3 | YES | NO |

| EPA Reg. # | EPA Product Name | Volume (Gals) | Weight (Lbs) | No. Appl's. | Active Ingredient(s) | EPA Tox Cat | EPA Carcin | CA Dev. Toxin |
|-------------------|--|---------------|--------------|-------------|---|-------------|------------|---------------|
| 432-1304 | TEMPO 10 WP INSECTICIDE | 0.00 | 0.01 | 1 | Cyfluthrin, beta | 3 | NO | NO |
| Herbicides | | | | | | | | |
| 961-362 | LEBANON FERTILIZER WITH BARRICADE (0.43%) PREEMERGENCE WEED CONTROL (| 0.00 | 2000.00 | 3 | Prodiamine | 3 | YES | NO |
| 10088-55 | TURF KING | 2.00 | 0.00 | 2 | Prometon | 3 | NO | NO |
| 432-954 | FINALE SUPER CONCENTRATE WEED, GRASS AND BRUSH KILLER | 0.50 | 0.00 | 2 | Glufosinate-ammonium | 2 | NO | NO |
| 228-366 | RAZOR HERBICIDE | 0.16 | 0.00 | 2 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 9198-237 | THE ANDERSONS WEED & GRASS PREVENTER WITH 5% TRAMMEL HERBICIDE (DISPER | 0.00 | 160.00 | 2 | Trifluralin | 3 | YES | NO |
| 72155-100 | NS Herbicide Concentrate C | 0.56 | 0.00 | 1 | Glyphosate, isopropylamine salt; Diquat dibromide; Indaziflam | 3 | NO | NO |

Citywide Administrative Services, Department of

The Department of Citywide Administrative Services (DCAS) supports government recruitment, oversees surplus city-owned property and the commercial real estate portfolio for the City and provides supplies and equipment. 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 manages the city-wide contract for pest management services which city agencies can buy into. This contract is effective from May 1, 2013 to April 30, 2017. Several agencies are housed in DCAS managed buildings and the report submitted reflects these applications. Table 10 summarizes pesticide use by pesticide type. Table 11 lists all pesticide products used by DCAS in 2013.

Table 10: Types of Pesticides Used by DCAS in 2013

| Pesticide Type | Volume | | Weight | | Times Applied | |
|----------------|------------|------------|--------------|------------|---------------|------------|
| | Gallons | % of Total | Pounds | % of Total | Number | % of Total |
| Rodenticide | 0.0 | 0.0% | 427.6 | 94.1% | 241 | 40.4% |
| Insecticide | 0.0 | 0.0% | 26.8 | 5.9% | 356 | 59.6% |
| Totals | 0.0 | | 454.5 | | 597 | |

Table 11: Pesticide Products Used by DCAS in 2013 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 | 325.17 | 213 | Bromadiolone | 3 | NO | NO |
| 7173-258 | DIFETHIALONE PASTE PLACE PACKS | 0.00 | 101.70 | 27 | Difethialone | 3 | NO | NO |
| 12455-56 | DITRAC TRACKING POWDER | 0.00 | 0.75 | 1 | Diphacinone | 2 | NO | NO |
| Insecticides | | | | | | | | |
| 100-1484 | DUPONT ADVION COCKROACH GEL BAIT | 0.00 | 13.97 | 279 | Indoxacarb | 3 | NO | NO |
| 64405-2 | REDZONE BAIT | 0.00 | 12.16 | 61 | Boric acid | 3 | NO | NO |
| 432-1264 | MAXFORCE FC ANT KILLER BAIT GEL | 0.00 | 0.11 | 8 | Fipronil | 3 | YES | NO |
| 100-1498 | DUPONT ADVION ANT GEL | 0.00 | 0.03 | 4 | Indoxacarb | 3 | NO | NO |
| 432-1259 | PRODUCT: RBF5 | 0.00 | 0.52 | 3 | Fipronil | 3 | YES | NO |
| 432-772 | DELTA DUST | 0.00 | 0.06 | 1 | Deltamethrin | 3 | NO | NO |

Corrections, Department of

The Department of Corrections (DOC) is responsible for New York City's inmates, housing the majority of them on Riker's Island. It 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 in-house pest control professionals and works with DCAS and HHC in maintaining certain facilities. Table 12 summarizes pesticide use by pesticide type. Table 13 lists all pesticide products used by DOC in 2013.

Table 12: Types of Pesticides Used by DOC in 2013

| Pesticide Type | Volume | | Weight | | Times Applied | |
|----------------|--------------|------------|--------------|------------|---------------|------------|
| | Gallons | % of Total | Pounds | % of Total | Number | % of Total |
| Rodenticide | 1.8 | 1.3% | 365.3 | 59.0% | 458 | 16.4% |
| Insecticide | 142.0 | 98.7% | 253.4 | 41.0% | 2,336 | 83.6% |
| Totals | 143.8 | | 618.7 | | 2,794 | |

Table 13: Pesticide Products Used by DOC in 2013 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 | 0.50 | 171.86 | 188 | Bromadiolone | 3 | NO | NO |
| 7173-218 | GENERATION MINI BLOCKS | 1.28 | 68.10 | 85 | Difethialone | 3 | NO | NO |
| 7173-258 | DIFETHIALONE PASTE PLACE PACKS | 0.06 | 22.09 | 40 | Difethialone | 3 | NO | NO |
| 12455-76 | CONTRAC RODENTICIDE READY TO USE PLACE PAC | 0.00 | 19.79 | 34 | 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 |
|---------------------|---|---------------|--------------|-------------|--|-------------|------------|---------------|
| 7173-202 | MAKI MINI BLOCKS | 0.00 | 20.41 | 31 | Bromadiolone | 3 | NO | NO |
| 12455-56 | DITRAC TRACKING POWDER | 0.00 | 20.19 | 29 | Diphacinone | 2 | NO | NO |
| 12455-36 | CONTRAC RAT AND MOUSE BAIT | 0.00 | 11.94 | 19 | Bromadiolone | 3 | NO | NO |
| 7173-211 | GENERATION RODENTICIDE BAIT PACKS (PELLETS) | 0.00 | 13.08 | 16 | Difethialone | 3 | NO | NO |
| 7173-172 | ROZOL BLUE TRACKING POWDER | 0.00 | 7.57 | 8 | Chlorophacinone | 2 | NO | NO |
| 12455-69 | CONTRAC RODENTICIDE | 0.00 | 5.63 | 5 | Bromadiolone | 3 | NO | NO |
| 100-1057 | TALON-G RODENTICIDE MINI-PELLETS WITH BITREX | 0.00 | 2.13 | 2 | Brodifacoum | 3 | NO | NO |
| 12455-75 | CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC | 0.00 | 2.50 | 1 | Bromadiolone | 3 | NO | NO |
| Insecticides | | | | | | | | |
| 432-1363 | TEMPO SC INSECTICIDE | 51.18 | 18.52 | 765 | Cyfluthrin, beta | 3 | NO | NO |
| 432-763 | SUSPEND SC | 75.34 | 44.20 | 672 | Deltamethrin | 3 | NO | NO |
| 499-507 | PRESCRIPTION TREATMENT BRAND ADVANCE 360A DUAL CHOICE ANT BAIT STATIONS | 6.09 | 28.66 | 320 | Dinotefuran | 3 | NO | NO |
| 64405-2 | REDZONE BAIT | 0.35 | 103.02 | 147 | Boric acid | 3 | NO | NO |
| 432-1259 | PRODUCT: RBF5 | 0.86 | 6.21 | 110 | Fipronil | 3 | YES | NO |
| 397-13 | STERI-FAB | 5.66 | 0.00 | 54 | Phenothrin; Isopropyl alcohol; Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride; Didecyl dimethyl ammonium chloride | 2 | NO | NO |
| 73049-20 | VECTOLEX CG BIOLOGICAL LARVICIDE | 0.00 | 7.13 | 47 | Bacillus sphaericus | 3 | NO | NO |
| 432-1262 | MAXFORCE IBH10 | 0.02 | 10.04 | 43 | Hydramethylnon | 3 | YES | YES |
| 432-1264 | MAXFORCE FC ANT KILLER BAIT GEL | 0.08 | 5.13 | 28 | Fipronil | 3 | YES | NO |
| 432-1304 | TEMPO 10 WP INSECTICIDE | 0.00 | 1.12 | 24 | Cyfluthrin, beta | 3 | NO | NO |
| 499-370 | JOHNSON WAX PROFESSIONAL BRAND GRANULAR ANT BAIT | 0.07 | 7.19 | 19 | Avermectin | 3 | NO | NO |
| 432-1254 | MAXFORCE PROFESSIONAL INSECT CONTROL ROACH KILLER | 0.01 | 7.25 | 18 | 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 |
|------------|--|---------------|--------------|-------------|---|-------------|------------|---------------|
| 432-1257 | MAXFORCE ROACH BAIT F.05 | 0.00 | 1.08 | 18 | Fipronil | 3 | YES | NO |
| 432-1460 | MAXFORCE FC ROACH KILLER BAIT GEL F.05 | 0.04 | 0.18 | 11 | Fipronil | 3 | YES | NO |
| 9688-255 | SPECTRACIDE COMMERCIAL WASP & HORNET KILLER 3 | 2.05 | 0.00 | 10 | Deltamethrin; S-Bioallethrin | 3 | YES | NO |
| 432-1252 | MAXFORCE PROFESSIONAL INSECT CONTROL ANT KILLER BA | 0.00 | 0.33 | 6 | Hydramethylnon | 3 | YES | YES |
| 2724-274 | GOLDEN MALRIN RF-128 FLY KILLER | 0.13 | 0.38 | 5 | Methomyl; (Z)-9-Tricosene | 3 | NO | NO |
| 9444-131 | BAYER ADVANCED ANT KILLER POWER PEN READYTO-USE BAIT | 0.01 | 0.18 | 5 | Boric acid | 3 | NO | NO |
| 53871-3 | STIMUKIL FLY BAIT | 0.00 | 4.00 | 4 | (Z)-9-Tricosene; Methomyl | 3 | NO | NO |
| 9444-131 | DRAX ANT KILL GEL | 0.00 | 2.07 | 4 | Boric acid | 3 | NO | NO |
| 2724-274 | ZOECON FLYTEK(TM) FLY BAIT | 0.00 | 1.58 | 3 | Methomyl; (Z)-9-Tricosene | 3 | NO | NO |
| 73049-19 | VECTOBAC CG BIOLOGICAL LARVICIDE GRANULES | 0.00 | 0.57 | 3 | Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52 | 3 | NO | NO |
| 499-492 | PRESCRIPTION TREATMENT BRAND 388B ADVANCE ANT GEL BAIT | 0.00 | 0.14 | 3 | Borax | 3 | NO | NO |
| 432-1256 | MAXFORCE FC ANT BAIT STATIONS | 0.00 | 0.03 | 3 | Fipronil | 3 | YES | NO |
| 279-3385 | DRAX ANT KILL GEL | 0.08 | 0.07 | 2 | Boric acid | 3 | NO | NO |
| 64405-2 | ECOLOGICAL ANT & INSECT BAIT | 0.00 | 0.50 | 2 | Boric acid | 3 | NO | NO |
| 73049-20 | DIONNE LARVA HALT II WSP MOSQUITO CONTROL | 0.00 | 0.28 | 2 | Bacillus sphaericus 2362, serotype H5a5b, strain ABTS 1743 solids, spores and insecticidal toxins (See also PC Code 119801) | 3 | NO | NO |
| 432-1301 | TEMPO 20 WP IN WATER SOLUBLE PACKETS | 0.00 | 0.08 | 2 | Cyfluthrin | 3 | NO | NO |
| 6218-47 | ANTI-MOS BRIQUETS | 0.00 | 1.72 | 1 | Bacillus thuringiensis subspecies Israelensis strain BMP 144 | 3 | NO | NO |
| 53871-5 | FERMONE BT FLOWABLE CONCENTRATE | 0.00 | 1.00 | 1 | Bacillus thuringiensis var. Kurstaki/Aizawai | 3 | NO | NO |
| 2724-274 | GOLDEN MUSCAMYL(TM) FLY BAIT | 0.00 | 0.50 | 1 | Methomyl; (Z)-9-Tricosene | 3 | NO | NO |
| 9444-131 | VICTOR LIQUID ANT KILLING SYSTEM | 0.00 | 0.08 | 1 | 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 |
|------------|--------------------------------|---------------|--------------|-------------|----------------------|-------------|------------|---------------|
| 432-1258 | MAXFORCE LARGE ROACH BAIT F.03 | 0.00 | 0.07 | 1 | Fipronil | 3 | YES | NO |
| 9444-131 | KONK KIL ANT BAIT GEL | 0.00 | 0.07 | 1 | Boric acid | 3 | NO | NO |

Education, Department of

The Department of Education (DOE) provides primary and secondary education to over 1 million pre-kindergarten to grade 12 students. Pest management at all New York City public schools is overseen by their Pest Control Unit. There are nineteen in-house licensed pest management professionals that conduct monthly monitoring inspections and respond to pest problems for approximately 900 schools. DOE contracts with several pest management companies to additionally provide services for an additional 300 schools. Table 14 summarizes pesticide use by pesticide type. Table 15 lists all pesticide products used by DOE in 2013.

Table 14: Types of Pesticides Used by DOE in 2013

| Pesticide Type | Volume | | Weight | | Times Applied | |
|----------------|-------------|------------|----------------|------------|---------------|------------|
| | Gallons | % of Total | Pounds | % of Total | Number | % of Total |
| Rodenticide | 0.0 | 0.0% | 3600.2 | 86.6% | 4,508 | 37.7% |
| Insecticide | 70.0 | 100.0% | 556.3 | 13.4% | 7,453 | 62.3% |
| Totals | 70.0 | | 4,156.5 | | 11,961 | |

Table 15: Pesticide Products Used by DOE in 2013 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 | 0.02 | 2737.97 | 1399 | Bromadiolone | 3 | NO | NO |
| 12455-139 | Final Soft Bait | 0.00 | 72.45 | 381 | Brodifacoum | 3 | NO | NO |
| 64405-2 | REDZONE BAIT | 0.05 | 447.87 | 1838 | Boric acid | 3 | NO | NO |
| Insecticides | | | | | | | | |
| 432-1460 | MAXFORCE FC ROACH KILLER BAIT GEL F.05 | 0.08 | 33.86 | 1325 | Fipronil | 3 | YES | NO |
| 100-1484 | DUPONT ADVION COCKROACH GEL BAIT | 0.00 | 22.63 | 1037 | Indoxacarb | 3 | NO | NO |
| 73766-1 | GOURMET ANT BAIT GEL | 0.08 | 19.28 | 939 | Disodium octaborate tetrahydrate | 3 | NO | NO |
| 67425-14 | ECOPCO ACU | 43.70 | 1.54 | 937 | Phenylethyl propionate | 3 | NO | NO |

| EPA Reg. # | EPA Product Name | Volume (Gals) | Weight (Lbs) | No. Appl's. | Active Ingredient(s) | EPA Tox Cat | EPA Carcin | CA Dev. Toxin |
|------------|---|---------------|--------------|-------------|------------------------|-------------|------------|---------------|
| 352-652 | ADVION COCKROACH GEL BAIT | 0.04 | 18.73 | 705 | Indoxacarb | 3 | NO | NO |
| 2724-484 | RF 9707 AEROSOL | 25.93 | 0.93 | 394 | (7S)-Hydroprene | 3 | NO | NO |
| 499-507 | PRESCRIPTION TREATMENT BRAND ADVANCE 360A DUAL CHOICE ANT BAIT STATIONS | 0.02 | 7.28 | 145 | Dinotefuran | 3 | NO | NO |
| 432-1259 | PRODUCT: RBF5 | 0.00 | 2.23 | 81 | Fipronil | 3 | YES | NO |
| 73079-2 | INTICE GRANULAR BAIT | 0.00 | 1.64 | 25 | Boric acid | 3 | NO | NO |
| 432-1264 | MAXFORCE FC ANT KILLER BAIT GEL | 0.00 | 0.05 | 20 | Fipronil | 3 | YES | NO |
| 67425-4 | ECOPCO AC CONTACT INSECTICIDE | 0.09 | 0.00 | 2 | Phenylethyl propionate | 3 | NO | NO |
| 499-370 | JOHNSON WAX PROFESSIONAL BRAND GRANULAR ANT BAIT | 0.00 | 0.13 | 2 | Avermectin | 3 | NO | NO |
| 352-668 | ADVION COCKROACH BAIT ARENA | 0.00 | 0.10 | 2 | Indoxacarb | 3 | NO | NO |
| 432-1262 | MAXFORCE IBH10 | 0.00 | 0.02 | 1 | Hydramethylnon | 3 | YES | YES |

Environmental Protection, Department of

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 16 summarizes pesticide use by pesticide type. Table 17 lists all pesticide products used by DEP in 2013.

Table 16: Types of Pesticides Used by DEP in 2013

| Pesticide Type | Volume | | Weight | | Times Applied | |
|----------------|---------|------------|--------|------------|---------------|------------|
| | Gallons | % of Total | Pounds | % of Total | Number | % of Total |

| | | | | | | |
|---------------|-------------|-------|--------------|-------|--------------|-------|
| Rodenticide | 0.0 | 0.0% | 110.8 | 45.7% | 589 | 39.4% |
| Insecticide | 2.1 | 9.6% | 131.7 | 54.3% | 868 | 58.1% |
| Herbicide | 20.0 | 90.4% | 0.0 | 0.0% | 38 | 2.5% |
| Totals | 22.1 | | 242.5 | | 1,495 | |

Table 17: Pesticide Products Used by DEP in 2013 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 | | | | | | | | |
| 7173-258 | DIFETHIALONE PASTE PLACE PACKS | 0.00 | 76.26 | 521 | Difethialone | 3 | NO | NO |
| 7173-218 | GENERATION MINI BLOCKS | 0.00 | 27.27 | 46 | Difethialone | 3 | NO | NO |
| 12455-79 | CONTRAC ALL-WEATHER BLOX | 0.00 | 6.31 | 14 | Bromadiolone | 3 | NO | NO |
| 56-42 | BAIT BLOCK RODENTICIDE WITH PEANUT BUTTER FLAVORIZ | 0.00 | 0.38 | 2 | Diphacinone | 3 | NO | NO |
| 12455-89 | FINAL ALL-WEATHER BLOX | 0.00 | 0.18 | 2 | Brodifacoum | 3 | NO | NO |
| 7173-113 | ROZOL TRACKING POWDER | 0.00 | 0.07 | 2 | Chlorophacinone | 2 | NO | NO |
| 12455-121 | TOMCAT MOUSE KILLER | 0.00 | 0.31 | 1 | Bromethalin | 3 | NO | NO |
| 12455-16 | ZP TRACKING POWDER | 0.00 | 0.02 | 1 | Zinc phosphide | 1 | NO | NO |
| Insecticides | | | | | | | | |
| 64405-2 | REDZONE BAIT | 0.00 | 61.53 | 479 | Boric acid | 3 | NO | NO |
| 499-510 | PRESCRIPTION TREATMENT BRAND ALPINE COCKROACH GEL BAIT PISTON CAN | 0.00 | 5.99 | 151 | Dinotefuran | 3 | NO | NO |
| 499-410 | AVERT PRESCRIPTION TREATMENT TC 93B BAIT | 0.00 | 3.64 | 62 | Avermectin | 3 | NO | NO |
| 432-763 | SUSPEND SC INSECTICIDE | 0.34 | 20.41 | 60 | Deltamethrin | 3 | NO | NO |
| 67425-14 | ECOPCO ACU | 0.00 | 2.20 | 14 | Phenylethyl propionate | 3 | NO | NO |
| 100-1484 | DUPONT ADVION COCKROACH GEL BAIT | 0.00 | 0.35 | 14 | Indoxacarb | 3 | NO | NO |
| 73079-2 | INTICE GRANULAR BAIT | 0.00 | 3.30 | 13 | Boric acid | 3 | NO | NO |
| 432-772 | DELTA DUST | 0.00 | 0.30 | 11 | Deltamethrin | 3 | NO | NO |
| 2724-786 | RF2050 SPRAY | 1.19 | 0.00 | 10 | Tetramethrin; Ethofenprox; Piperonyl butoxide | 3 | YES | NO |

| EPA Reg. # | EPA Product Name | Volume (Gals) | Weight (Lbs) | No. Appl's. | Active Ingredient(s) | EPA Tox Cat | EPA Carcin | CA Dev. Toxin |
|-------------------|---|---------------|--------------|-------------|--|-------------|------------|---------------|
| 432-1363 | TEMPO SC INSECTICIDE | 0.00 | 2.80 | 10 | Cyfluthrin, beta | 3 | NO | NO |
| 9688-190 | SPECTRACIDE DESTROYER BRAND WASP & HORNET KILLER | 0.51 | 0.00 | 9 | Cyhalothrin, lambda; Prallethrin | 3 | NO | NO |
| 2724-446 | ZOECON RF-437 MOSQUITO GROWTH REGULATOR SR-20 | 0.00 | 24.00 | 6 | S-Methoprene | 3 | NO | NO |
| 6218-47 | SUMMIT B.T.I. BRIQUETS | 0.00 | 2.75 | 6 | Bacillus thuringiensis subspecies israelensis strain BMP 144 | 3 | NO | NO |
| 499-470 | WHITMIRE MICRO-GEN TC 198 | 0.03 | 0.74 | 5 | Cyfluthrin | 3 | NO | NO |
| 3095-47 | PIC LIQUID ANT BAIT KILLER | 0.01 | 0.00 | 4 | Sodium tetraborate (pentahydrate) | 3 | NO | NO |
| 5481-553 | AMVAC SMALL PRO-STRIP | 0.00 | 0.46 | 4 | DDVP | 3 | YES | NO |
| 499-362 | WHITMIRE PT 515 WASP FREEZE | 0.06 | 0.50 | 3 | D-trans Allethrin; Phenothrin | 3 | YES | NO |
| 149-8 | TERRO ANT KILLER II | 0.00 | 0.18 | 3 | Borax | 3 | NO | NO |
| 1021-1424 | PYROCID FOGGING CONCENTRATE 7338 | 0.00 | 2.38 | 1 | Pyrethrins; Piperonyl butoxide; N-octyl bicycloheptene dicarboximide | 3 | YES | NO |
| 1021-1767 | MULTICIDE LICE & DUST MITE SPRAY 27911 | 0.00 | 0.10 | 1 | Phenothrin; N-octyl bicycloheptene dicarboximide | 3 | YES | NO |
| 499-496 | PRESCRIPTION TREATMENT BRAND ADVANCE 360A DUAL CHOICE ANT BAIT STATIONS | 0.00 | 0.03 | 1 | Avermectin | 3 | NO | NO |
| 432-1259 | PRODUCT: RBF5 | 0.00 | 0.02 | 1 | Fipronil | 3 | YES | NO |
| Herbicides | | | | | | | | |
| 524-475 | ROUNDUP ULTRA HERBICIDE | 16.40 | 0.00 | 28 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 1381-192 | CORNERSTONE PLUS | 1.02 | 0.00 | 6 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 42750-247 | DUPONT KRENITE S BRUSH CONTROL AGENT | 2.50 | 0.00 | 3 | Fosamine, ammonium salt | 3 | NO | NO |
| 524-343 | ROUNDUP CUSTOM HERBICIDE | 0.09 | 0.00 | 1 | Glyphosate, isopropylamine salt | 3 | NO | NO |

Finance, Department of

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 management services. No data was received for DOF in 2013.

Fire Department

The Fire Department of New York City (FDNY) is responsible for the protection against fires and fire hazards and providing emergency medical services, technical rescue and response to various biological, chemical and radioactive hazards. It manages some 350 facilities throughout the City and contracts for pest control services. Table 18 summarizes pesticide use by pesticide type. Table 19 lists all pesticide products used by FDNY in 2013.

Table 18: Types of Pesticides Used by FDNY in 2013

| Pesticide Type | Volume | | Weight | | Times Applied | |
|----------------|------------|------------|--------------|------------|---------------|------------|
| | Gallons | % of Total | Pounds | % of Total | Number | % of Total |
| Rodenticide | 0.0 | 0.0% | 254.4 | 95.4% | 227 | 36.6% |
| Insecticide | 0.0 | 0.0% | 12.2 | 4.6% | 394 | 63.4% |
| Totals | 0.0 | | 266.6 | | 621 | |

Table 19: Pesticide Products Used by FDNY in 2013 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 | 230.44 | 215 | Bromadiolone | 3 | NO | NO |
| 7173-258 | DIFETHIALONE PASTE PLACE PACKS | 0.00 | 2.18 | 7 | Difethialone | 3 | NO | NO |
| 12455-89 | FINAL ALL-WEATHER BLOX | 0.00 | 21.65 | 4 | Brodifacoum | 3 | NO | NO |
| 12455-139 | Final Soft Bait | 0.00 | 0.13 | 1 | Brodifacoum | 3 | NO | NO |
| Insecticides | | | | | | | | |
| 100-1484 | DUPONT ADVION COCKROACH GEL BAIT | 0.00 | 3.03 | 289 | Indoxacarb | 3 | NO | NO |
| 64405-2 | REDZONE BAIT | 0.00 | 8.13 | 46 | Boric acid | 3 | NO | NO |
| 432-1264 | MAXFORCE FC ANT KILLER BAIT GEL | 0.00 | 0.06 | 20 | Fipronil | 3 | YES | NO |
| 432-1259 | PRODUCT: RBF5 | 0.00 | 0.23 | 18 | Fipronil | 3 | YES | NO |
| 73079-2 | INTICE GRANULAR BAIT | 0.00 | 0.67 | 12 | Boric acid | 3 | NO | NO |
| 100-1498 | DUPONT ADVION ANT GEL | 0.00 | 0.05 | 9 | Indoxacarb | 3 | NO | NO |

Health and Hospitals Corporation

The New York City Health and Hospitals Corporation (HHC) is a \$6.7 billion integrated healthcare delivery system with its own 420,000 member health plan, MetroPlus, and is the largest municipal healthcare organization in the country. HHC serves 1.4 million New Yorkers every year and more than 475,000 are uninsured. HHC provides medical, mental health and substance abuse services through its 11 acute care hospitals, four skilled nursing facilities, six large diagnostic and treatment centers and more than 70 community based clinics. HHC Health and Home Care also provide in-home services for New Yorkers. 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 outside contractors. Table 20 summarizes pesticide use by pesticide type. Table 21 lists products by pesticide types.

Table 20: Types of Pesticides Used by HHC in 2013

| Pesticide Type | Volume | | Weight | | Times Applied | |
|----------------|--------------|------------|----------------|------------|---------------|------------|
| | Gallons | % of Total | Pounds | % of Total | Number | % of Total |
| Rodenticide | 0.0 | 0.0% | 557.2 | 8.6% | 701 | 15.2% |
| Insecticide | 370.4 | 100.0% | 5889.6 | 91.4% | 3926 | 84.8% |
| Totals | 370.4 | | 6,446.8 | | 4,627 | |

Table 21: Pesticide Products Used by HHC in 2013 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 | | | | | | | | |
| 7173-258 | DIFETHIALONE PASTE PLACE PACKS | 0.00 | 456.78 | 652 | Difethialone | 3 | NO | NO |
| 7173-202 | MAKI MINI BLOCKS | 0.00 | 92.00 | 40 | Bromadiolone | 3 | NO | NO |
| 12455-79 | CONTRAC ALL-WEATHER BLOX | 0.00 | 8.13 | 5 | Bromadiolone | 3 | NO | NO |
| 7173-113 | ROZOL TRACKING POWDER | 0.00 | 0.28 | 4 | Chlorophacinone | 2 | NO | NO |
| Insecticides | | | | | | | | |
| 279-3384 | ROACH KIL COMMERCIAL | 0.00 | 387.19 | 1,023 | Boric acid | 3 | NO | NO |
| 397-13 | STERI-FAB | 0.00 | 5,187.64 | 774 | Phenothrin; Isopropyl alcohol; Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride; Didecyl dimethyl ammonium chloride | 2 | NO | NO |

| EPA Reg. # | EPA Product Name | Volume (Gals) | Weight (Lbs) | No. Appl's. | Active Ingredient(s) | EPA Tox Cat | EPA Carcin | CA Dev. Toxin |
|------------|--|---------------|--------------|-------------|--|-------------|------------|---------------|
| 100-1484 | DUPONT ADVION COCKROACH GEL BAIT | 0.00 | 66.53 | 718 | Indoxacarb | 3 | NO | NO |
| 100-1488 | DUPONT ADVION MT FIRE ANT BAIT | 0.00 | 25.08 | 256 | Indoxacarb | 3 | NO | NO |
| 64405-2 | REDZONE BAIT | 0.00 | 89.66 | 254 | Boric acid | 3 | NO | NO |
| 100-1498 | DUPONT ADVION ANT GEL | 0.00 | 9.13 | 183 | Indoxacarb | 3 | NO | NO |
| 432-1483 | TEMPRID SC INSECTICIDE | 72.72 | 0.00 | 128 | Cyfluthrin, beta; Imidacloprid | 3 | NO | NO |
| 432-772 | DELTA DUST | 0.00 | 8.23 | 104 | Deltamethrin | 3 | NO | NO |
| 64405-8 | NIBOR BORATE INSECTICIDE AND FUNGICIDE | 0.00 | 92.93 | 90 | Disodium octaborate tetrahydrate | 3 | NO | NO |
| 1021-1603 | NYLAR 10EC | 84.94 | 0.00 | 75 | Pyriproxyfen | 3 | NO | NO |
| 432-1363 | TEMPO SC INSECTICIDE | 56.13 | 0.00 | 75 | Cyfluthrin, beta | 3 | NO | NO |
| 432-763 | SUSPEND SC INSECTICIDE | 52.08 | 0.00 | 70 | Deltamethrin | 3 | NO | NO |
| 73079-4 | BORACTIN INSECTICIDE POWDER | 0.00 | 5.33 | 39 | Boric acid | 3 | NO | NO |
| 1677-196 | ECO 2000-XP FRESHBAIT | 0.00 | 4.59 | 33 | Boric acid | 3 | NO | NO |
| 1677-195 | ECO2000-RX FRESHBAIT | 0.00 | 5.13 | 30 | Boric acid | 3 | NO | NO |
| 100-1066 | DEMAND CS INSECTICIDE | 70.45 | 0.00 | 29 | Cyhalothrin, lambda | 3 | NO | NO |
| 432-1304 | TEMPO 10 WP INSECTICIDE | 20.50 | 0.00 | 18 | Cyfluthrin, beta | 3 | NO | NO |
| 1677-43 | STER-BAC | 5.90 | 0.00 | 15 | Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride | 1 | NO | NO |
| 100-1501 | DUPONT ARILON INSECTICIDE | 7.00 | 0.00 | 3 | Indoxacarb | 3 | NO | NO |
| 53871-3 | STIMUKIL FLY BAIT | 0.00 | 2.38 | 3 | (Z)-9-Tricosene; Methomyl | 3 | NO | NO |
| 8033-96 | TRANSPORT (R) GHP INSECTICIDE | 0.65 | 0.00 | 1 | Acetamiprid; Bifenthrin | 3 | YES | NO |
| 1021-1177 | PYROCIDE FOGGING CONCENTRATE 5628 | 0.00 | 3.88 | 1 | Pyrethrins; Piperonyl butoxide; N-octyl bicycloheptene dicarboximide | 3 | YES | NO |
| 47000-73 | SSI-50 INSECTICIDE | 0.00 | 1.50 | 1 | Pyrethrins; Piperonyl butoxide; N-octyl bicycloheptene dicarboximide | 3 | YES | NO |
| 1677-191 | ECO2000-GR | 0.00 | 0.38 | 1 | 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 |
|------------|--|---------------|--------------|-------------|----------------------|-------------|------------|---------------|
| 1021-2560 | EVERGREEN PYRETHRUM CONCENTRATE | 0.00 | 0.06 | 1 | Pyrethrins | 3 | YES | NO |
| 100-1486 | DUPONT ADVION COCKROACH BAIT ARENA | 0.00 | 0.01 | 1 | Indoxacarb | 3 | NO | NO |

Health and Mental Hygiene, Department of

The Department of Health and Mental Hygiene (DOHMH) protects and promotes the health and mental well being of all New Yorkers. 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 pest management professionals to bait properties that have signs of active rodents with rodenticide placed either directly in rat burrows or in tamper resistant bait stations. Pest management in facilities operated by the DOHMH is done through private contractors. 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 24 and 25. VSC is charged with mosquito management and uses licensed pest management staff as well as outside contractors. Table 22 summarizes pesticide use by pesticide type. Table 23 lists all pesticide products used by DOHMH in 2013.

Table 22 Types of Pesticides Used by DOHMH in 2013

| Pesticide Type | Volume | | Weight | | Times Applied | |
|----------------|------------|------------|-----------------|------------|---------------|------------|
| | Gallons | % of Total | Pounds | % of Total | Number | % of Total |
| Rodenticide | 0.0 | 0.0% | 13994.8 | 23.0% | 20,426 | 85.7% |
| Insecticide | 0.0 | 0.0% | 46774.6 | 77.0% | 3,404 | 14.3% |
| Totals | 0.0 | | 60,769.4 | | 23,830 | |

Table 23 Pesticide Products Used by DOHMH in 2013 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 | | | | | | | | |
| 12455-69 | CONTRAC RODENTICIDE | 0.00 | 5,489.46 | 4,390 | Bromadiolone | 3 | NO | NO |
| 12455-133 | CONTRAC WITH LUMITRACK | 0.00 | 1,823.25 | 4,202 | Bromadiolone | 3 | NO | NO |
| 12455-86 | CONTRAC RODENTICIDE PLACE PAC | 0.00 | 2,548.21 | 3,410 | Bromadiolone | 3 | NO | NO |
| 7173-258 | DIFETHIALONE PASTE PLACE PACKS | 0.00 | 1,333.69 | 2,989 | 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 |
|---------------------|--|---------------|--------------|-------------|--|-------------|------------|---------------|
| 100-1050 | TALON-G RODENTICIDE BAIT PACK MINI-PELLETS WITH BI | 0.00 | 1,470.71 | 2,751 | Brodifacoum | 3 | NO | NO |
| 12455-79 | CONTRAC ALL-WEATHER BLOX | 0.00 | 652.88 | 1,540 | Bromadiolone | 3 | NO | NO |
| 12455-75 | CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC | 0.00 | 536.88 | 772 | Bromadiolone | 3 | NO | NO |
| 100-1055 | WEATHERBLOK BAIT WITH BITREX | 0.00 | 124.27 | 313 | Brodifacoum | 3 | NO | NO |
| 7173-297 | BROMADIOLONE PASTE 0901 | 0.00 | 15.03 | 45 | Bromadiolone | 3 | NO | NO |
| 12455-56 | DITRAC TRACKING POWDER | 0.00 | 0.38 | 14 | Diphacinone | 2 | NO | NO |
| Insecticides | | | | | | | | |
| 73049-429 | VECTOMAX FG | 0.00 | 644.70 | 2091 | Bacillus sphaericus; Bacillus thuringiensis, subsp. israelensis, strain AM 65-52 | 3 | NO | NO |
| 73049-20 | VECTOLEX CG BIOLOGICAL LARVICIDE | 0.00 | 31169.95 | 1063 | Bacillus sphaericus | 3 | NO | NO |
| 100-1484 | DUPONT ADVION COCKROACH GEL BAIT | 0.00 | 1.81 | 169 | Indoxacarb | 3 | NO | NO |
| 1021-1688 | ANVIL 10+10 ULV | 0.00 | 1356.25 | 46 | Phenothrin; Piperonyl butoxide | 3 | YES | NO |
| 73049-19 | VECTOBAC CG BIOLOGICAL LARVICIDE GRANULES | 0.00 | 13600.00 | 22 | Bacillus thuringiensis, subsp. israelensis, strain AM 65-52 | 3 | NO | NO |
| 64405-2 | REDZONE BAIT | 0.00 | 1.69 | 12 | Boric acid | 3 | NO | NO |
| 73049-229 | BUTAMIN P&O CONCENTRATE | 0.00 | 0.22 | 1 | Tetramethrin | 3 | YES | NO |

Homeless Services, Department of

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, Preventative Assistance and Temporary Housing (PATH), is an intake facility. There are five 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 24 summarizes pesticide use by pesticide type. Table 25 lists all pesticide products used by DHS in 2013.

Table 24: Types of Pesticides Used by DHS in 2013

| Pesticide Type | Volume | | Weight | | Times Applied | |
|----------------|------------|------------|-------------|------------|---------------|------------|
| | Gallons | % of Total | Pounds | % of Total | Number | % of Total |
| Rodenticide | 0.0 | 0.0% | 19.3 | 84.2% | 118 | 27.3% |
| Insecticide | 4.4 | 100.0% | 3.6 | 15.8% | 315 | 72.7% |
| Totals | 4.4 | | 22.9 | | 433 | |

Table 25: Pesticide Products Used by DHS in 2013 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 | | | | | | | | |
| 7173-258 | DIFETHIALONE PASTE PLACE PACKS | 0.00 | 8.82 | 96 | Difethialone | 3 | NO | NO |
| 12455-86 | CONTRAC RODENTICIDE PLACE PAC | 0.00 | 7.38 | 8 | Bromadiolone | 3 | NO | NO |
| 56-42 | BAIT BLOCK RODENTICIDE WITH PEANUT BUTTER FLAVORIZ | 0.00 | 0.16 | 8 | Diphacinone | 3 | NO | NO |
| 12455-79 | CONTRAC ALL-WEATHER BLOX | 0.00 | 2.13 | 3 | Bromadiolone | 3 | NO | NO |
| 12455-16 | ZP TRACKING POWDER | 0.00 | 0.78 | 3 | Zinc phosphide | 1 | NO | NO |
| Insecticides | | | | | | | | |
| 432-763 | SUSPEND SC INSECTICIDE | 1.79 | 0.00 | 178 | Deltamethrin | 3 | NO | NO |
| 1021-1828 | MGK ROACH BAIT 2822 | 0.00 | 3.10 | 86 | Avermectin | 3 | NO | NO |
| 397-13 | STERI-FAB | 2.43 | 0.00 | 24 | Phenothrin; Isopropyl alcohol; Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride; Didecyl dimethyl ammonium chloride | 2 | NO | NO |
| 279-3206 | TALSTAR TC FLOWABLE TERMITICIDE/INSECTICIDE | 0.13 | 0.00 | 10 | Bifenthrin | 3 | YES | NO |
| 2724-274 | GOLDEN MALRIN RF-128 FLY KILLER | 0.00 | 0.10 | 4 | Methomyl; (Z)-9-Tricosene | 3 | NO | NO |
| 100-1484 | DUPONT ADVION COCKROACH GEL BAIT | 0.00 | 0.02 | 4 | Indoxacarb | 3 | NO | NO |
| 73748-7 | BIFENTHRIN 7.9 TERMITICIDE/INSECTICIDE | 0.08 | 0.00 | 2 | Bifenthrin | 3 | YES | NO |
| 64405-2 | REDZONE BAIT | 0.00 | 0.19 | 2 | Boric acid | 3 | NO | NO |
| 432-1257 | MAXFORCE ROACH BAIT F.05 | 0.00 | 0.04 | 2 | Fipronil | 3 | YES | NO |
| 432-772 | DELTA DUST | 0.00 | 0.16 | 1 | 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 |
|------------|---------------------------------------|---------------|--------------|-------------|----------------------|-------------|------------|---------------|
| 432-1259 | PRODUCT: RBF5 | 0.00 | 0.01 | 1 | Fipronil | 3 | YES | NO |
| 432-1264 | MAXFORCE FC ANT KILLER BAIT GEL | 0.00 | 0.00 | 1 | Fipronil | 3 | YES | 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 management 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 26 summarizes pesticide use by pesticide type. Table 27 lists the products used by NYCHA in 2013.

Table 26: Types of Pesticides Used by NYCHA in 2013

| Pesticide Type | Volume | | Weight | | Times Applied | |
|----------------|----------------|------------|----------------|------------|---------------|------------|
| | Gallons | % of Total | Pounds | % of Total | Number | % of Total |
| Rodenticide | 14.5 | 1.3% | 6957.6 | 87.1% | 16,922 | 21.9% |
| Insecticide | 1101.1 | 98.5% | 1033.2 | 12.9% | 60,427 | 78.1% |
| Herbicide | 2.5 | 0.2% | 0.0 | 0.0% | 10 | 0.0% |
| Totals | 1,118.1 | | 7,990.9 | | 77,359 | |

Table 27 Ten Most Frequently Applied Pesticide Products by NYCHA in 2013 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 | | | | | | | | |
| 7173-258 | DIFETHIALONE PASTE PLACE PACKS | 8.89 | 2,181.32 | 7,177 | Difethialone | 3 | NO | NO |
| 12455-86 | CONTRAC RODENTICIDE PLACE PAC | 5.47 | 2,200.09 | 4,969 | Bromadiolone | 3 | NO | NO |
| 12455-79 | CONTRAC ALL- WEATHER BLOX | 0.02 | 1,249.92 | 2,150 | Bromadiolone | 3 | NO | NO |
| 12455-56 | DITRAC TRACKING POWDER | 0.10 | 435.54 | 966 | Diphacinone | 2 | NO | NO |
| 56-42 | BAIT BLOCK RODENTIICDE WITH PEANUT BUTTER FLAVORIZ | 0.00 | 371.67 | 587 | Diphacinone | 3 | NO | NO |
| 12455-108 | FORMUS ALL- WEATHER BLOX | 0.00 | 31.41 | 334 | Brodifacoum | 3 | NO | NO |
| 7173-208 | MAKI RODENTICIDE BAIT PACKS (PELLETS) | 0.00 | 73.22 | 196 | Bromadiolone | 3 | NO | NO |
| 12455-75 | CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC | 0.00 | 52.17 | 162 | 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 |
|---------------------|--|---------------|--------------|-------------|---|-------------|------------|---------------|
| 7173-297 | BROMADIOLONE PASTE 0901 | 0.00 | 116.13 | 138 | Bromadiolone | 3 | NO | NO |
| 12455-80 | DITRAC ALL-WEATHER BLOX | 0.00 | 28.82 | 104 | Diphacinone | 3 | NO | NO |
| 12455-5 | DITRAC ALL-WEATHER CAKE | 0.00 | 28.76 | 80 | Diphacinone | 3 | NO | NO |
| 12455-139 | Final Soft Bait | 0.00 | 158.72 | 21 | Brodifacoum | 3 | NO | NO |
| 12455-89 | FINAL ALL-WEATHER BLOX | 0.00 | 8.07 | 13 | Brodifacoum | 3 | NO | NO |
| 7173-288 | DIFETHIALONE BLOCK 0707 | 0.00 | 4.56 | 11 | Difethialone | 3 | NO | NO |
| 87235-1 | BRIGAND SB SOFT BAIT RODENTICIDE | 0.00 | 1.26 | 5 | Bromadiolone | 3 | NO | NO |
| 12455-69 | CONTRAC RODENTICIDE | 0.00 | 13.25 | 3 | Bromadiolone | 3 | NO | NO |
| 7173-113 | ROZOL TRACKING POWDER | 0.00 | 2.06 | 3 | Chlorophacino ne | 2 | NO | NO |
| 47629-16 | DIFENACOUM RAT AND MOUSE BLOCK | 0.00 | 0.13 | 2 | Difenacoum | 3 | NO | NO |
| 100-1057 | TALON-G RODENTICIDE MINI-PELLETS WITH BITREX | 0.00 | 0.50 | 1 | Brodifacoum | 3 | NO | NO |
| Insecticides | | | | | | | | |
| 432-763 | SUSPEND SC INSECTICIDE | 345.93 | 0.41 | 37,769 | Deltamethrin | 3 | NO | NO |
| 499-304 | WHITMIRE OPTEM ME PT 600 | 91.36 | 4.38 | 8,879 | Cyfluthrin | 3 | NO | NO |
| 397-13 | STERI-FAB | 592.87 | 0.00 | 4,089 | Phenothrin; Isopropyl alcohol; Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride; Didecyl dimethyl ammonium chloride | 2 | NO | NO |
| 2724-351 | ZOECON RF-259 EMULSIFIABLE CONCENTRATE | 17.88 | 0.56 | 2,285 | (7S)-Hydroprene | 3 | NO | NO |
| 432-1257 | MAXFORCE ROACH BAIT F.05 | 0.00 | 71.57 | 1,759 | Fipronil | 3 | YES | NO |
| 432-1259 | PRODUCT: RBF5 | 0.00 | 81.99 | 1,651 | Fipronil | 3 | YES | NO |
| 432-1460 | MAXFORCE FC ROACH KILLER BAIT GEL F.05 | 0.00 | 37.54 | 784 | Fipronil | 3 | YES | NO |
| 499-467 | WHITMIRE AVERT TC 181 | 0.00 | 27.60 | 680 | Avermectin | 3 | NO | NO |
| 352-652 | ADVION COCKROACH GEL BAIT | 0.00 | 25.50 | 482 | Indoxacarb | 3 | NO | NO |
| 64405-2 | ECOLOGICAL ANT & INSECT BAIT | 0.00 | 55.24 | 392 | 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 |
|------------|---|---------------|--------------|-------------|---|-------------|------------|---------------|
| 1021-1815 | EVERCIDE ESFENVALERATE 6.4% CS | 2.16 | 2.22 | 308 | Esfenvalerate | 3 | NO | NO |
| 499-406 | AVERT PRESCRIPTION TREATMENT TC 93A BAIT | 0.00 | 9.64 | 264 | Avermectin | 3 | NO | NO |
| 2724-421 | ZOECON RF-292 BRIQUET | 0.00 | 571.96 | 242 | S-Methoprene | 3 | NO | NO |
| 9444-217 | CB INSECTICIDE WITH DELTAMETHRIN | 21.42 | 0.00 | 172 | Deltamethrin | 3 | NO | NO |
| 67425-14 | ECOPCO ACU | 10.98 | 1.96 | 109 | Phenylethyl propionate | 3 | NO | NO |
| 352-668 | ADVION COCKROACH BAIT ARENA | 0.00 | 8.17 | 107 | Indoxacarb | 3 | NO | NO |
| 1021-2569 | MULTICIDE SPRAY 29511 | 15.36 | 0.00 | 96 | Imidacloprid; Phenothrin; N- octyl bicycloheptene dicarboximide | 3 | YES | NO |
| 2724-351 | ZOECON GENCOR 9% EMULSIFIABLE CONCENTRATE | 1.48 | 0.00 | 95 | (7S)- Hydroprene | 3 | NO | NO |
| 241-313 | SIEGE PBS GEL INSECTICIDE | 0.00 | 110.54 | 95 | Hydramethylno n | 3 | YES | YES |
| 432-1483 | TEMPRID SC INSECTICIDE | 0.18 | 0.00 | 68 | Cyfluthrin, beta; Imidacloprid | 3 | NO | NO |
| 432-1375 | PRE-EMPT FLY BAIT | 0.00 | 0.26 | 18 | Imidacloprid; (Z)-9- Tricosene | 3 | NO | NO |
| 100-1484 | DUPONT ADVION COCKROACH GEL BAIT | 0.00 | 1.55 | 16 | Indoxacarb | 3 | NO | NO |
| 6218-47 | SUMMIT B.T.I. BRIQUETS | 0.00 | 12.40 | 14 | Bacillus thuringiensis subspecies Israelensis strain BMP 144 | 3 | NO | NO |
| 1001-73 | ECOLOGIX COCKROACH BAIT | 0.00 | 0.86 | 10 | Xanthine; Oxypurinol | 3 | NO | NO |
| 73049-20 | VECTOLEX CG BIOLOGICAL LARVICIDE | 0.08 | 0.34 | 8 | Bacillus sphaericus | 3 | NO | NO |
| 53871-3 | STIMUKIL FLY BAIT | 0.07 | 7.13 | 7 | (Z)-9- Tricosene; Methomyl | 3 | NO | NO |
| 100-1498 | DUPONT ADVION ANT GEL | 0.59 | 0.13 | 6 | Indoxacarb | 3 | NO | NO |
| 279-9554 | CB INSECTICIDE WITH DELTAMETHRIN | 0.44 | 0.00 | 4 | Deltamethrin | 3 | NO | NO |
| 2724-804 | RF2129 EC | 0.04 | 0.13 | 4 | Ethofenprox; Piperonyl butoxide | 3 | YES | NO |
| 241-392 | PHANTOM TERMITICIDE- INSECTICIDE | 0.03 | 0.00 | 4 | Chlorfenapyr | 3 | YES | NO |

| EPA Reg. # | EPA Product Name | Volume (Gals) | Weight (Lbs) | No. Appl's. | Active Ingredient(s) | EPA Tox Cat | EPA Carcin | CA Dev. Toxin |
|-------------------|--|---------------|--------------|-------------|--|-------------|------------|---------------|
| 432-1455 | BES 0026 FLY SPOT BAIT | 0.00 | 1.00 | 3 | Imidacloprid; (Z)-9-Tricosene | 3 | NO | NO |
| 100-1486 | DUPONT ADVION COCKROACH BAIT ARENA | 0.00 | 0.10 | 3 | Indoxacarb | 3 | NO | NO |
| 100-1485 | DUPONT ADVION ANT BAIT ARENA | 0.00 | 0.07 | 2 | Indoxacarb | 3 | NO | NO |
| 432-992 | DRIONE INSECTICIDE | 0.25 | 0.00 | 1 | Pyrethrins; Piperonyl butoxide; Silica gel | 3 | YES | NO |
| 8033-109 | TRANSPORT (R) MIKRON INSECTICIDE | 0.00 | 0.00 | 1 | Acetamiprid; Bifenthrin | 3 | YES | NO |
| Herbicides | | | | | | | | |
| 524-517 | ACCORD XL HERBICIDE | 2.54 | 0.00 | 8 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 2724-351 | ZOECON RF-259 EMULSIFIABLE CONCENTRATE | 0.00 | 0.00 | 1 | (7S)-Hydroprene | 3 | NO | NO |
| 62719-322 | NAF-545 | 0.00 | 0.04 | 1 | Glyphosate, isopropylamine salt | 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 management services. Table 28 summarizes pesticide use by pesticide type. Table 29 lists all pesticide products used by HPD in 2013.

Table 28: Types of Pesticides Used by HPD in 2013

| Pesticide Type | Volume | | Weight | | Times Applied | |
|----------------|------------|------------|--------------|------------|---------------|------------|
| | Gallons | % of Total | Pounds | % of Total | Number | % of Total |
| Rodenticide | 0.0 | 0.0% | 111.6 | 99.3% | 180 | 11.9% |
| Insecticide | 1.1 | 100.0% | 0.8 | 0.7% | 1,328 | 88.1% |
| Totals | 1.1 | | 112.4 | | 1,508 | |

Table 29: Pesticide Products Used by HPD in 2013

| 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 | 110.68 | 152 | Bromadiolone | 3 | NO | NO |
| 12455-79 | CONTRAC ALL-WEATHER BLOX | 0.00 | 0.92 | 28 | 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 | | | | | | | | |
| 432-1363 | TEMPO SC INSECTICIDE | 0.10 | 0.00 | 1319 | Cyfluthrin, beta | 3 | NO | NO |
| 2724-351 | ZOECON RF-259 EMULSIFIABLE CONCENTRATE | 0.02 | 0.00 | 3 | (7S)-Hydroprene | 3 | NO | NO |
| 432-763 | SUSPEND SC INSECTICIDE | 0.02 | 0.00 | 3 | Deltamethrin | 3 | NO | NO |
| 64405-1 | BORA-CARE | 1.00 | 0.00 | 2 | Disodium octaborate tetrahydrate | 3 | NO | NO |
| 499-500 | PRESCRIPTION TREATMENT BRAND ADVANCE COMPRESSED TERMITE BAIT II | 0.00 | 0.82 | 1 | Diflubenzuron | 3 | NO | NO |

Human Resources Administration

The New York City Human Resources Administration/ Department of Social Services (HRA/DSS) provides temporary help to individuals and families with social service and economic needs to assist them in reaching self-sufficiency. HRA serves more than 3 million New Yorkers through essential and diverse programs and services. HRA/DSS has numerous offices and public service centers throughout the 5 boroughs. Table 30 summarizes pesticide use by pesticide type. Table 31 lists the products used by HRA/DSS in 2013.

Table 30: Types of Pesticides Used by HRA in 2013

| Pesticide Type | Volume | | Weight | | Times Applied | |
|----------------|------------|------------|--------------|------------|---------------|------------|
| | Gallons | % of Total | Pounds | % of Total | Number | % of Total |
| Rodenticide | 0.0 | 0.0% | 896.5 | 96.5% | 105 | 19.8% |
| Insecticide | 0.0 | 0.0% | 32.0 | 3.5% | 424 | 80.2% |
| Totals | 0.0 | | 928.5 | | 529 | |

Table 31: Pesticide Products Used by HRA in 2013 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 | 895.00 | 102 | Bromadiolone | 3 | NO | NO |
| 7173-258 | DIFETHIALONE PASTE PLACE PACKS | 0.00 | 1.50 | 3 | Difethialone | 3 | NO | NO |
| Insecticides | | | | | | | | |
| 100-1484 | DUPONT ADVION COCKROACH GEL BAIT | 0.00 | 28.95 | 408 | Indoxacarb | 3 | NO | NO |

| EPA Reg. # | EPA Product Name | Volume (Gals) | Weight (Lbs) | No. Appl's. | Active Ingredient(s) | EPA Tox Cat | EPA Carcin | CA Dev. Toxin |
|------------|---------------------------------|---------------|--------------|-------------|----------------------|-------------|------------|---------------|
| 64405-2 | REDZONE BAIT | 0.00 | 2.88 | 9 | Boric acid | 3 | NO | NO |
| 73079-2 | INTICE GRANULAR BAIT | 0.00 | 0.22 | 3 | Boric acid | 3 | NO | NO |
| 432-1264 | MAXFORCE FC ANT KILLER BAIT GEL | 0.00 | 0.00 | 3 | Fipronil | 3 | YES | NO |
| 432-1259 | PRODUCT: RBF5 | 0.00 | 0.00 | 1 | Fipronil | 3 | YES | 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. Table 32 summarizes pesticide use by pesticide type. Table 33 lists all pesticide products used by NYPL in 2013.

Table 32: Types of Pesticides Used by NYPL in 2013

| Pesticide Type | Volume | | Weight | | Times Applied | |
|----------------|------------|------------|-------------|------------|---------------|------------|
| | Gallons | % of Total | Pounds | % of Total | Number | % of Total |
| Rodenticide | 0.0 | 0.0% | 31.5 | 80.4% | 155 | 22.5% |
| Insecticide | 0.0 | 0.0% | 7.6 | 19.6% | 533 | 77.5% |
| Totals | 0.0 | | 39.1 | | 688 | |

Table 33: Pesticide Products Used by NYPL in 2013 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 | 26.63 | 112 | Bromadiolone | 3 | NO | NO |
| 7173-258 | DIFETHIALONE PASTE PLACE PACKS | 0.00 | 2.47 | 27 | Difethialone | 3 | NO | NO |
| 12455-89 | FINAL ALL-WEATHER BLOX | 0.00 | 2.18 | 13 | Brodifacoum | 3 | NO | NO |
| 12455-139 | Final Soft Bait | 0.00 | 0.20 | 3 | Brodifacoum | 3 | NO | NO |
| Insecticides | | | | | | | | |
| 100-1484 | DUPONT ADVION COCKROACH GEL BAIT | 0.00 | 3.72 | 454 | Indoxacarb | 3 | NO | NO |
| 64405-2 | REDZONE BAIT | 0.00 | 2.41 | 39 | Boric acid | 3 | NO | NO |
| 73079-2 | INTICE GRANULAR BAIT | 0.00 | 1.47 | 32 | Boric acid | 3 | NO | NO |
| 432-1264 | MAXFORCE FC ANT KILLER BAIT GEL | 0.00 | 0.01 | 4 | Fipronil | 3 | YES | NO |
| 432-1259 | PRODUCT: RBF5 | 0.00 | 0.02 | 3 | Fipronil | 3 | YES | NO |

| EPA Reg. # | EPA Product Name | Volume (Gals) | Weight (Lbs) | No. Appl's. | Active Ingredient(s) | EPA Tox Cat | EPA Carcin | CA Dev. Toxin |
|------------|-----------------------|---------------|--------------|-------------|----------------------|-------------|------------|---------------|
| 100-1498 | DUPONT ADVION ANT GEL | 0.00 | 0.01 | 1 | Indoxacarb | 3 | NO | NO |

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 34 summarizes pesticide use by pesticide type. Table 35 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 34: Types of Pesticides Used by DPR in 2013

| Pesticide Type | Volume | | Weight | | Times Applied | |
|----------------|----------------|------------|-----------------|------------|---------------|------------|
| | Gallons | % of Total | Pounds | % of Total | Number | % of Total |
| Rodenticide | 281.8 | 6.9% | 1129.0 | 4.5% | 1,976 | 30.3% |
| Insecticide | 280.3 | 6.9% | 2400.4 | 9.5% | 1,268 | 19.4% |
| Herbicide | 1123.9 | 27.6% | 11565.8 | 45.8% | 2,481 | 38.0% |
| Fungicide | 2347.8 | 57.7% | 10134.8 | 40.2% | 764 | 11.7% |
| Other | 37.8 | 0.9% | 9.3 | 0.0% | 42 | 0.6% |
| Totals | 4,071.7 | | 25,239.3 | | 6,531 | |

Table 35: Ten Most Frequently Applied Pesticide Products by DPR in 2013 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 | 208.06 | 407 | Bromadiolone | 3 | NO | NO |
| 12455-106 | TERAD3 BLOX | 0.20 | 156.19 | 345 | Cholecalciferol | 3 | NO | NO |
| 12455-76 | CONTRAC RODENTICIDE READY TO USE PLACE PAC | 0.00 | 87.07 | 150 | Bromadiolone | 3 | NO | NO |
| 56-58 | JT EATON AC FORMULA 90 RODENTICIDE | 0.22 | 68.38 | 97 | Chlorophacinone | 3 | NO | NO |
| 12455-139 | Final Soft Bait | 1.41 | 84.56 | 85 | Brodifacoum | 3 | NO | NO |
| 7173-202 | MAKI MINI BLOCKS | 0.00 | 32.94 | 53 | Bromadiolone | 3 | NO | NO |

| EPA Reg. # | EPA Product Name | Volume (Gals) | Weight (Lbs) | No. Appl's. | Active Ingredient(s) | EPA Tox Cat | EPA Carcin | CA Dev. Toxin |
|---------------------|---|---------------|--------------|-------------|-----------------------------------|-------------|------------|---------------|
| 12455-89 | FINAL ALL-WEATHER BLOX | 0.00 | 51.89 | 47 | Brodifacoum | 3 | NO | NO |
| 12455-17 | ZP RODENT BAIT AG | 0.00 | 7.46 | 45 | Zinc phosphide | 3 | NO | NO |
| 12455-75 | CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC | 0.00 | 10.79 | 40 | Bromadiolone | 3 | NO | NO |
| 100-1055 | WEATHERBLOK BAIT WITH BITREX | 0.00 | 0.20 | 40 | Brodifacoum | 3 | NO | NO |
| Insecticides | | | | | | | | |
| 100-1484 | DUPONT ADVION COCKROACH GEL BAIT | 0.00 | 5.49 | 307 | Indoxacarb | 3 | NO | NO |
| 432-763 | SUSPEND SC | 1.82 | 0.00 | 214 | Deltamethrin | 3 | NO | NO |
| 432-1363 | TEMPO SC INSECTICIDE | 4.25 | 0.00 | 107 | Cyfluthrin, beta | 3 | NO | NO |
| 352-652 | ADVION COCKROACH GEL BAIT | 0.00 | 3.87 | 91 | Indoxacarb | 3 | NO | NO |
| 64405-2 | REDZONE BAIT | 0.00 | 8.63 | 42 | Boric acid | 3 | NO | NO |
| 66222-210 | QUALI-PRO ABAMECTIN 0.15 EC | 1.49 | 0.00 | 27 | Avermectin | 2 | NO | NO |
| 499-362 | WHITMIRE PT 515 WASP FREEZE | 6.89 | 23.70 | 24 | D-trans Allethrin; Phenothrin | 3 | YES | NO |
| 48813-1 | SUFFOIL-X | 5.28 | 0.00 | 18 | Petroleum distillates | 3 | NO | NO |
| 100-1489 | DUPONT ACELEPRYN INSECTICIDE | 4.53 | 0.00 | 18 | DPX-E2Y45 | 0 | NO | NO |
| 432-1264 | MAXFORCE FC ANT KILLER BAIT GEL | 0.00 | 0.24 | 18 | Fipronil | 3 | YES | NO |
| Herbicides | | | | | | | | |
| 524-579 | ROUNDUP PROMAX | 243.73 | 2.65 | 1,226 | Glyphosate, potassium salt | 3 | NO | NO |
| 62719-556 | ACCORD XRT II | 337.33 | 0.00 | 338 | Glyphosate, dimethylammonium salt | 3 | NO | NO |
| 62719-527 | GARLON 4 ULTRA | 56.40 | 0.00 | 253 | Triclopyr | 2 | NO | NO |
| 62719-324 | GLYPRO | 39.93 | 0.00 | 103 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 524-475 | ROUNDUP ULTRA HERBICIDE | 62.75 | 0.00 | 99 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 100-937 | PRIMO MAXX | 55.56 | 0.00 | 63 | Trinexapac-ethyl | 3 | NO | NO |
| 62719-517 | ACCORD XRT | 7.36 | 0.00 | 57 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 62719-176 | PATHFINDER II | 102.77 | 0.00 | 54 | Triclopyr, butoxyethyl ester | 3 | NO | NO |
| 71995-25 | ROUNDUP WEED & GRASS KILLER SUPER CONCENTRATE | 26.70 | 0.00 | 40 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 62719-40 | GARLON 4 | 11.99 | 0.00 | 29 | Triclopyr, butoxyethyl ester | 3 | NO | 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 |
|--------------|--|---------------|--------------|-------------|--|-------------|------------|---------------|
| 100-1364 | DACONIL ACTION | 489.41 | 0.00 | 86 | Acibenzolar-S-methyl; Chlorothalonil | 2 | YES | NO |
| 71065-3 | COMPANION LIQUID BIOLOGICAL FUNGICIDE | 304.50 | 0.00 | 54 | Bacillus subtilis GBO3 | 3 | NO | NO |
| 100-1093 | HERITAGE FUNGICIDE | 0.00 | 90.84 | 37 | Azoxystrobin | 3 | NO | NO |
| 79676-17 | LESCO TWOSOME FUNGICIDE | 121.51 | 0.00 | 36 | Iprodione; Thiophanate-methyl | 3 | NO | NO |
| 7969-290 | INSIGNIA SC INTRINSIC BRAND FUNGICIDE | 23.70 | 0.00 | 34 | Pyraclostrobin | 2 | NO | NO |
| 432-1445 | BAYLETON FLO TURF AND ORNAMENTAL FUNGICIDE | 44.18 | 0.00 | 33 | Triadimefon | 3 | YES | YES |
| 55260-9 | PROPLANT TURF AND ORNAMENTAL FUNGICIDE | 72.76 | 10.00 | 27 | Propamocarb hydrochloride | 3 | NO | NO |
| 70299-1 | ZEROTOL ALGAECIDE/FUNGI CIDE | 83.03 | 0.00 | 23 | Hydrogen peroxide | 1 | NO | NO |
| 70127-2 | NOVOZYMES BIOFUNGICIDE GREEN RELEAF 710-140 | 101.00 | 0.00 | 22 | Bacillus licheniformis SB3086; IBA | 3 | NO | NO |
| 432-942 | BANOL TURF AND ORNAMENTAL FUNGICIDE | 47.00 | 0.00 | 21 | Propamocarb hydrochloride | 3 | NO | NO |
| Other | | | | | | | | |
| 60061-71 | PETTIT MARINE PAINT PREMIUM SINGLE SEASON ABLATIVE | 23.00 | 0.00 | 16 | Copper oxide (ous) | 2 | NO | NO |
| 71096-7 | ORTHO BUG-GETA SNAIL & SLUG KILLER 1 | 0.00 | 8.00 | 10 | Metaldehyde | 3 | NO | NO |
| 59807-4 | HORMODIN 1 | 0.00 | 0.31 | 7 | IBA | 3 | NO | NO |
| 73049-15 | PROGIBB 4% PLANT GROWTH REGULATOR SOLUTION | 0.00 | 0.00 | 4 | Gibberellins | 2 | NO | NO |
| 499-368 | WHITMIRE PT 2000 GREEN-SHIELD HORTICULTURAL ALGICIDE, DISINFECTANT | 0.08 | 0.00 | 2 | Alkyl (68%C12, 32%C14) dimethylethylbenzyl ammonium chloride; Alkyl* dimethyl benzyl ammonium chloride *(60%C14, 30%C16, 5%C18, 5%C12) | 1 | NO | NO |
| 1448-212 | CHEMICIDE 100-15 | 14.00 | 0.00 | 1 | Poly(oxyethylene) (dimethylimino) ethylene (dimethylimino) ethylene dichloride | 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 |
|------------|--|---------------|--------------|-------------|--|-------------|------------|---------------|
| 2217-768 | EMBARK E-Z-TU-USE PLANT GROWTH REGULATOR | 0.75 | 0.00 | 1 | Mefluidide, diethanolamine salt | 3 | NO | NO |
| 73049-67 | DITERA DF BIOLOGICAL NEMATICIDE | 0.00 | 1.00 | 1 | Myrothecium verrucaria, dried fermentation solids & solubles | 3 | NO | NO |

Police Department

The Police Department (NYPD) is committed to providing a safe and secure environment for the public. It manages 76 precincts, 12 Transit Districts, and nine Housing Police Service Areas and other investigative and specialized units. The major pest issues facing its facilities are structural pests and are managed by private contractors as needed. Table 36 summarizes pesticide use by pesticide type. Table 37 lists all pesticide products used by NYPD in 2013.

Table 36 Types of Pesticides Used by NYPD in 2013

| Pesticide Type | Volume | | Weight | | Times Applied | |
|----------------|------------|------------|--------------|------------|---------------|------------|
| | Gallons | % of Total | Pounds | % of Total | Number | % of Total |
| Rodenticide | 0.0 | 0.0% | 221.1 | 94.3% | 155 | 22.5% |
| Insecticide | 0.0 | 0.0% | 13.2 | 5.7% | 533 | 77.5% |
| Totals | 0.0 | | 234.3 | | 688 | |

Table 37: Pesticide Products Used by NYPD in 2013 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 | 214.94 | 243 | Bromadiolone | 3 | NO | NO |
| 7173-258 | DIFETHIALONE PASTE PLACE PACKS | 0.00 | 6.13 | 11 | Difethialone | 3 | NO | NO |
| Insecticides | | | | | | | | |
| 100-1484 | DUPONT ADVION COCKROACH GEL BAIT | 0.00 | 4.70 | 240 | Indoxacarb | 3 | NO | NO |
| 64405-2 | REDZONE BAIT | 0.00 | 7.79 | 43 | Boric acid | 3 | NO | NO |
| 432-1259 | PRODUCT: RBF5 | 0.00 | 0.22 | 13 | Fipronil | 3 | YES | NO |
| 73079-2 | INTICE GRANULAR BAIT | 0.00 | 0.39 | 7 | Boric acid | 3 | NO | NO |
| 432-1264 | MAXFORCE FC ANT KILLER BAIT GEL | 0.00 | 0.13 | 4 | Fipronil | 3 | YES | NO |

Sanitation, Department of

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. Table 38 summarizes pesticide use by pesticide type. Table 39 lists the products used by DSNY.

Table 38: Types of Pesticides Used by DSNY in 2013

| Pesticide Type | Volume | | Weight | | Times Applied | |
|----------------|-------------|------------|------------|------------|---------------|------------|
| | Gallons | % of Total | Pounds | % of Total | Number | % of Total |
| Rodenticide | 11.8 | 19.9% | 0.0 | 0.0% | 109 | 19.9% |
| Insecticide | 47.4 | 80.1% | 4.7 | 100.0% | 439 | 80.1% |
| Totals | 59.2 | | 4.7 | | 548 | |

Table 39: List of Pesticides Applied by DSNY in 2013

| EPA Reg. # | EPA Product Name | Volume (Gals) | Weight (Lbs) | No. Appl's. | Active Ingredient(s) | EPA Tox Cat | EPA Carcin | CA Dev. Toxin |
|---------------------|--|---------------|--------------|-------------|--|-------------|------------|---------------|
| Rodenticides | | | | | | | | |
| 12455-89 | FINAL ALL-WEATHER BLOX | 7.66 | 0.00 | 67 | Brodifacoum | 3 | NO | NO |
| 12455-76 | CONTRAC RODENTICIDE READY TO USE PLACE PAC | 3.91 | 0.00 | 40 | Bromadiolone | 3 | NO | NO |
| 12455-76 | ZEP TOTAL CONTROL PELLET PACKS TOTAL CONTROL SYSTEMS | 0.23 | 0.00 | 2 | Bromadiolone | 3 | NO | NO |
| Insecticides | | | | | | | | |
| 432-763 | SUSPEND SC | 0.98 | 0.03 | 343 | Deltamethrin | 3 | NO | NO |
| 432-1363 | TEMPO SC INSECTICIDE | 0.06 | 4.00 | 32 | Cyfluthrin, beta | 3 | NO | NO |
| 73766-1 | GOURMET ANT BAIT GEL | 0.98 | 0.00 | 21 | Disodium octaborate tetrahydrate | 3 | NO | NO |
| 432-1257 | MAXFORCE ROACH BAIT F.05 | 0.00 | 0.35 | 18 | Fipronil | 3 | YES | NO |
| 432-1256 | MAXFORCE FC ANT BAIT STATIONS | 15.12 | 0.20 | 12 | Fipronil | 3 | YES | NO |
| 73766-1 | ADIOS ANT KILLER GEL | 0.06 | 0.00 | 5 | Disodium octaborate tetrahydrate | 3 | NO | NO |
| 9444-168 | ZEP TOTAL CONTROL TOTAL RELEASE FOGGER TOTAL CONTROL SYSTEMS | 0.04 | 0.00 | 2 | Esfenvalerate; Prallethrin; Pyriproxyfen | 3 | NO | NO |
| 432-1254 | MAXFORCE PROFESSIONAL INSECT CONTROL ROACH KILLER | 30.00 | 0.00 | 1 | Hydramethylnon | 3 | YES | YES |
| 499-465 | PRO-CONTROL FOGGER II | 0.16 | 0.00 | 1 | Pyrethrins; Piperonyl butoxide; N-octyl | 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 |
|------------|-----------------------------------|---------------|--------------|-------------|--|-------------|------------|---------------|
| 73766-1 | ADIOS ANT & ROACH KILLER IN A GEL | 0.01 | 0.00 | 1 | bicycloheptene dicarboximide Disodium octaborate tetrahydrate | 3 | NO | NO |
| 432-763 | SUSPEND SC INSECTICIDE | 0.00 | 0.00 | 1 | Deltamethrin | 3 | NO | NO |
| 432-1259 | PRODUCT: RBF5 | 0.00 | 0.07 | 1 | Fipronil | 3 | YES | NO |
| 100-1066 | DEMAND CS INSECTICIDE | 0.00 | 0.00 | 1 | Cyhalothrin, lambda | 3 | NO | NO |

Transportation, Department of

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 40 summarizes pesticide use by pesticide type. Table 41 lists all pesticide products used by DOT in 2013.

Table 40: Types of Pesticides Used by DOT in 2013

| Pesticide Type | Volume | | Weight | | Times Applied | |
|----------------|--------------|------------|--------------|------------|---------------|------------|
| | Gallons | % of Total | Pounds | % of Total | Number | % of Total |
| Rodenticide | 0.0 | 0.0% | 54.3 | 52.9% | 66 | 6.5% |
| Insecticide | 0.5 | 0.1% | 12.4 | 12.1% | 67 | 6.6% |
| Herbicide | 308.4 | 99.9% | 35.8 | 35.0% | 875 | 86.8% |
| Totals | 308.8 | | 102.6 | | 1,008 | |

Table 41: Pesticide Products Used by DOT in 2013

| 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 | 29.44 | 20 | Bromadiolone | 3 | NO | NO |
| 7173-258 | DIFETHIALONE PASTE PLACE PACKS | 0.00 | 0.95 | 19 | Difethialone | 3 | NO | NO |
| 12455-79 | CONTRAC ALL-WEATHER BLOX | 0.00 | 22.44 | 12 | Bromadiolone | 3 | NO | NO |
| 12455-16 | ZP TRACKING POWDER | 0.00 | 1.28 | 11 | Zinc phosphide | 1 | NO | NO |
| 56-42 | BAIT BLOCK RODENTICIDE WITH PEANUT BUTTER FLAVORIZ | 0.00 | 0.17 | 4 | Diphacinone | 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 |
|-------------------|---|----------------------|---------------------|--------------------|---|--------------------|-------------------|----------------------|
| 432-763 | SUSPEND SC INSECTICIDE | 0.46 | 0.00 | 51 | Deltamethrin | 3 | NO | NO |
| 432-1257 | MAXFORCE ROACH BAIT F.05 | 0.00 | 0.15 | 5 | Fipronil | 3 | YES | NO |
| 100-1484 | DUPONT ADVION COCKROACH GEL BAIT | 0.00 | 0.18 | 4 | Indoxacarb | 3 | NO | NO |
| 1021-1828 | MGK ROACH BAIT 2822 | 0.00 | 0.04 | 3 | Avermectin | 3 | NO | NO |
| 279-3206 | TALSTAR TC FLOWABLE TERMITICIDE/INSECTICIDE | 0.00 | 0.00 | 1 | Bifenthrin | 3 | YES | NO |
| 64405-2 | REDZONE BAIT | 0.00 | 12.00 | 1 | Boric acid | 3 | NO | NO |
| 2724-274 | GOLDEN MALRIN RF-128 FLY KILLER | 0.00 | 0.04 | 1 | Methomyl; (Z)-9-Tricosene | 3 | NO | NO |
| 432-1259 | PRODUCT: RBF5 | 0.00 | 0.02 | 1 | Fipronil | 3 | YES | NO |
| Herbicides | | | | | | | | |
| 352-622 | DUPONT OUST EXTRA HERBICIDE | 0.29 | 27.94 | 207 | Sulfometuron methyl; Metsulfuron-methyl | 3 | NO | NO |
| 62719-556 | ACCORD XRT II | 74.65 | 0.00 | 201 | Glyphosate, dimethylammonium salt | 3 | NO | NO |
| 228-397 | RIVERDALE VANQUISH HERBICIDE | 49.15 | 7.88 | 201 | Dicamba, diglycolamine salt | 3 | NO | NO |
| 62719-176 | PATHFINDER II | 176.23 | 0.00 | 129 | Triclopyr, butoxyethyl ester | 3 | NO | NO |
| 432-1516 | ESPLANADE 200 SC | 2.02 | 0.00 | 98 | Indaziflam | 3 | NO | NO |
| 524-535 | ROUNDUP QUIKPRO HERBICIDE | 2.63 | 0.00 | 30 | Glyphosate, monoammonium salt; Diquat dibromide | 3 | NO | NO |
| 62719-527 | GARLON 4 ULTRA | 3.40 | 0.00 | 8 | Triclopyr | 2 | NO | NO |
| 352-439 | DUPONT ESCORT XP HERBICIDE | 0.00 | 0.03 | 1 | Metsulfuron-methyl | 3 | NO | NO |

APPENDIX 1: Complete Listing of Pesticide Products Used by New York City Agencies by Pesticide Type in 2013

| EPA Reg. # | EPA Product Name | Volume (Gals) | Weight (Lbs) | No. Appl's. | Active Ingredient(s) | EPA Tox. Cat. | EPA Carcin | CA Dev. Toxin |
|---------------------|--|---------------|--------------|-------------|----------------------|---------------|------------|---------------|
| Rodenticides | | | | | | | | |
| 7173-258 | DIFETHIALONE PASTE PLACE PACKS | 8.95 | 5,141.06 | 14,994 | Difethialone | 3 | NO | NO |
| 12455-86 | CONTRAC RODENTICIDE PLACE PAC | 5.47 | 4,799.30 | 8,421 | Bromadiolone | 3 | NO | NO |
| 12455-79 | CONTRAC ALL-WEATHER BLOX | 0.54 | 7,375.86 | 7,276 | Bromadiolone | 3 | NO | NO |
| 12455-69 | CONTRAC RODENTICIDE | 0.00 | 5,508.41 | 4,430 | Bromadiolone | 3 | NO | NO |
| 12455-133 | CONTRAC WITH LUMITRACK | 0.00 | 1,831.98 | 4,222 | Bromadiolone | 3 | NO | NO |
| 100-1050 | TALON-G RODENTICIDE BAIT PACK MINI-PELLETS WITH BI | 0.00 | 1,470.71 | 2,751 | Brodifacoum | 3 | NO | NO |
| 12455-56 | DITRAC TRACKING POWDER | 0.10 | 461.83 | 1,025 | Diphacinone | 2 | NO | NO |
| 12455-75 | CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC | 0.00 | 602.34 | 975 | Bromadiolone | 3 | NO | NO |
| 7173-218 | GENERATION MINI BLOCKS | 281.28 | 466.33 | 641 | Difethialone | 3 | NO | NO |
| 56-42 | BAIT BLOCK RODENTICIDE WITH PEANUT BUTTER FLAVORIZ | 0.00 | 372.50 | 617 | Diphacinone | 3 | NO | NO |
| 12455-139 | Final Soft Bait | 1.41 | 316.06 | 491 | Brodifacoum | 3 | NO | NO |
| 100-1055 | WEATHERBLOK BAIT WITH BITREX | 0.00 | 136.25 | 366 | Brodifacoum | 3 | NO | NO |
| 12455-106 | TERAD3 BLOX | 0.20 | 156.19 | 345 | Cholecalciferol | 3 | NO | NO |
| 12455-108 | FORMUS ALL-WEATHER BLOX | 0.00 | 31.41 | 334 | Brodifacoum | 3 | NO | NO |
| 7173-202 | MAKI MINI BLOCKS | 0.00 | 256.03 | 276 | Bromadiolone | 3 | NO | NO |
| 12455-76 | CONTRAC RODENTICIDE READY TO USE PLACE PAC | 3.92 | 106.86 | 224 | Bromadiolone | 3 | NO | NO |
| 7173-208 | MAKI RODENTICIDE BAIT PACKS (PELLETS) | 0.00 | 73.22 | 196 | Bromadiolone | 3 | NO | NO |
| 7173-297 | BROMADIOLONE PASTE 0901 | 0.00 | 131.56 | 184 | Bromadiolone | 3 | NO | NO |
| 12455-89 | FINAL ALL-WEATHER BLOX | 7.66 | 87.05 | 161 | Brodifacoum | 3 | NO | NO |
| 12455-80 | DITRAC ALL-WEATHER BLOX | 0.00 | 29.26 | 105 | 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 |
|---------------------|--|---------------|--------------|-------------|----------------------|---------------|------------|---------------|
| 56-58 | JT EATON AC FORMULA 90 RODENTICIDE | 0.22 | 68.38 | 97 | Chlorophacinone | 3 | NO | NO |
| 12455-5 | DITRAC ALL-WEATHER CAKE | 0.00 | 28.76 | 80 | Diphacinone | 3 | NO | NO |
| 12455-17 | ZP RODENT BAIT AG | 0.00 | 7.46 | 45 | Zinc phosphide | 3 | NO | NO |
| 12455-36 | CONTRAC RAT AND MOUSE BAIT | 0.00 | 37.94 | 38 | Bromadiolone | 3 | NO | NO |
| 12455-97 | FASTRAC PLACE PACS | 0.00 | 3.27 | 30 | Bromethalin | 3 | NO | NO |
| 12455-16 | ZP TRACKING POWDER | 0.00 | 3.02 | 17 | Zinc phosphide | 1 | NO | NO |
| 7173-211 | GENERATION RODENTICIDE BAIT PACKS (PELLETS) | 0.00 | 13.08 | 16 | Difethialone | 3 | NO | NO |
| 7173-288 | DIFETHIALONE BLOCK 0707 | 0.00 | 4.56 | 11 | Difethialone | 3 | NO | NO |
| 7173-113 | ROZOL TRACKING POWDER | 0.00 | 2.41 | 9 | Chlorophacinone | 2 | NO | NO |
| 7173-172 | ROZOL BLUE TRACKING POWDER | 0.00 | 7.57 | 8 | Chlorophacinone | 2 | NO | NO |
| 7173-188 | MAKI RAT AND MOUSE BAIT PACKS (PELLETS) | 0.00 | 6.81 | 7 | Bromadiolone | 3 | NO | NO |
| 100-1057 | TALON-G RODENTICIDE MINI-PELLETS WITH BITREX | 0.00 | 4.13 | 5 | Brodifacoum | 3 | NO | NO |
| 87235-1 | BRIGAND SB SOFT BAIT RODENTICIDE | 0.00 | 1.26 | 5 | Bromadiolone | 3 | NO | NO |
| 3282-110 | DIFETHIALONE MINI BLOCKS | 0.00 | 0.03 | 5 | Difethialone | 3 | NO | NO |
| 12455-97 | TOMCAT QUICKSTRIKE PELLETTED BAIT | 0.00 | 0.01 | 4 | Bromethalin | 3 | NO | NO |
| 47629-16 | DIFENACOU M RAT AND MOUSE BLOCK | 0.00 | 0.44 | 3 | Difenacoum | 3 | NO | NO |
| 12455-76 | ZEP TOTAL CONTROL PELLET PACKS TOTAL CONTROL SYSTEMS | 0.23 | 0.00 | 2 | Bromadiolone | 3 | NO | NO |
| 12455-91 | FINAL RODENTICIDE READY-TO-USE PLACE PAC | 0.03 | 0.00 | 1 | Brodifacoum | 3 | NO | NO |
| 12455-121 | TOMCAT MOUSE KILLER | 0.00 | 0.31 | 1 | Bromethalin | 3 | NO | NO |
| 12455-39 | QUINTOX RAT AND MOUSE BAIT | 0.00 | 0.13 | 1 | Cholecalciferol | 3 | NO | NO |
| 7173-236 | D-CON RAT & MOUSE BAIT BLOCKS II RODENT CONTROL | 0.00 | 0.01 | 1 | Difethialone | 3 | NO | NO |
| 67517-72 | TOP GUN PELLET RODENTICIDE | 0.00 | 0.00 | 1 | Bromethalin | 3 | NO | NO |
| Insecticides | | | | | | | | |
| 432-763 | SUSPEND SC INSECTICIDE | 401.01 | 20.82 | 38,226 | Deltamethrin | 3 | NO | NO |
| 499-304 | WHITMIRE OPTEM ME PT 600 | 91.36 | 4.38 | 8,879 | Cyfluthrin | 3 | NO | NO |

| EPA Reg. # | EPA Product Name | Volume (Gals) | Weight (Lbs) | No. Appl's. | Active Ingredient(s) | EPA Tox. Cat. | EPA Carcin | CA Dev. Toxin |
|------------|---|---------------|---------------|-------------|--|---------------|------------|---------------|
| 397-13 | STERI-FAB | 601.97 | 5,187.64 | 4,942 | Phenothrin; Isopropyl alcohol; Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride; Didecyl dimethyl ammonium chloride | 2 | NO | NO |
| 100-1484 | DUPONT ADVION COCKROACH GEL BAIT | 0.00 | 167.37 | 4,717 | Indoxacarb | 3 | NO | NO |
| 64405-2 | REDZONE BAIT | 0.40 | 782.12 | 3,054 | Boric acid | 3 | NO | NO |
| 432-1363 | TEMPO SC INSECTICIDE | 111.72 | 28.44 | 2,361 | Cyfluthrin, beta | 3 | NO | NO |
| 2724-351 | ZOECON RF-259 EMULSIFIABLE CONCENTRATE | 17.90 | 0.56 | 2,288 | (7S)-Hydroprene | 3 | NO | NO |
| 432-1460 | MAXFORCE FC ROACH KILLER BAIT GEL F.05 | 0.12 | 71.77 | 2,122 | Fipronil | 3 | YES | NO |
| 73049-429 | VECTOMAX FG | 0.00 | 644.70 | 2,091 | Bacillus sphaericus; Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52 | 3 | NO | NO |
| 432-1259 | PRODUCT: RBF5 | 0.86 | 92.13 | 1,915 | Fipronil | 3 | YES | NO |
| 432-1257 | MAXFORCE ROACH BAIT F.05 | 0.00 | 73.55 | 1,814 | Fipronil | 3 | YES | NO |
| 352-652 | ADVION COCKROACH GEL BAIT | 0.04 | 49.30 | 1,354 | Indoxacarb | 3 | NO | NO |
| 432-763 | SUSPEND SC | 78.34 | 44.24 | 1,234 | Deltamethrin | 3 | NO | NO |
| 73049-20 | VECTOLEX CG BIOLOGICAL LARVICIDE | 1.33 | 31,252.4 2 | 1,129 | Bacillus sphaericus | 3 | NO | NO |
| 67425-14 | ECOPCO ACU | 54.95 | 5.70 | 1,067 | Phenylethyl propionate | 3 | NO | NO |
| 279-3384 | ROACH KIL COMMERCIAL | 0.00 | 387.19 | 1,023 | Boric acid | 3 | NO | NO |
| 73766-1 | GOURMET ANT BAIT GEL | 1.06 | 19.28 | 960 | Disodium octaborate tetrahydrate | 3 | NO | NO |
| 100-1498 | DUPONT ADVION ANT GEL | 0.59 | 57.75 | 921 | Indoxacarb | 3 | NO | NO |
| 499-467 | WHITMIRE AVERT TC 181 | 0.00 | 27.60 | 680 | Avermectin | 3 | NO | NO |
| 499-507 | PRESCRIPTION TREATMENT BRAND ALPINE COCKROACH GEL BAIT RESERVOIR | 6.17 | 35.94 | 467 | Dinotefuran | 3 | NO | NO |
| 2724-484 | RF 9707 AEROSOL | 25.93 | 0.93 | 394 | (7S)-Hydroprene | 3 | NO | NO |
| 64405-2 | ECOLOGICAL ANT & INSECT BAIT | 0.00 | 55.74 | 394 | Boric acid | 3 | NO | NO |
| 1021-1815 | EVERCIDE ESFENVALERATE 6.4% CS | 2.16 | 2.22 | 308 | Esfenvalerate | 3 | NO | NO |

| EPA Reg. # | EPA Product Name | Volume (Gals) | Weight (Lbs) | No. Appl's. | Active Ingredient(s) | EPA Tox. Cat. | EPA Carcin | CA Dev. Toxin |
|------------|---|---------------|--------------|-------------|--|---------------|------------|---------------|
| 499-406 | AVERT PRESCRIPTION TREATMENT TC 93A BAIT | 0.00 | 9.64 | 264 | Avermectin | 3 | NO | NO |
| 100-1488 | DUPONT ADVION MT FIRE ANT BAIT | 0.00 | 25.08 | 256 | Indoxacarb | 3 | NO | NO |
| 2724-421 | ZOECON RF-292 BRIQUET | 0.00 | 571.96 | 242 | S-Methoprene | 3 | NO | NO |
| 432-1483 | TEMPRID SC INSECTICIDE | 72.90 | 0.00 | 197 | Cyfluthrin, beta; Imidacloprid | 3 | NO | NO |
| 9444-217 | CB INSECTICIDE WITH DELTAMETHRIN | 21.42 | 0.00 | 172 | Deltamethrin | 3 | NO | NO |
| 499-510 | PRESCRIPTION TREATMENT BRAND ALPINE COCKROACH GEL BAIT PISTON CAN | 0.00 | 5.99 | 151 | Dinotefuran | 3 | NO | NO |
| 432-1264 | MAXFORCE FC ANT KILLER BAIT GEL | 0.19 | 6.01 | 133 | Fipronil | 3 | YES | NO |
| 73079-2 | INTICE GRANULAR BAIT | 0.25 | 8.36 | 118 | Boric acid | 3 | NO | NO |
| 432-772 | DELTA DUST | 0.00 | 8.75 | 117 | Deltamethrin | 3 | NO | NO |
| 352-668 | ADVION COCKROACH BAIT ARENA | 0.00 | 8.27 | 109 | Indoxacarb | 3 | NO | NO |
| 1021-1828 | MGK ROACH BAIT 2822 | 0.00 | 3.54 | 103 | Avermectin | 3 | NO | NO |
| 1021-2569 | MULTICIDE SPRAY 29511 | 15.36 | 0.00 | 96 | Imidacloprid; Phenothrin; N-octyl bicycloheptene dicarboximide | 3 | YES | NO |
| 2724-351 | ZOECON GENCOR 9% EMULSIFIABLE CONCENTRATE | 1.48 | 0.00 | 95 | (7S)-Hydroprene | 3 | NO | NO |
| 241-313 | SIEGE PBS GEL INSECTICIDE | 0.00 | 110.54 | 95 | Hydramethylnon | 3 | YES | YES |
| 432-1262 | MAXFORCE IBH10 | 1.38 | 10.06 | 91 | Hydramethylnon | 3 | YES | YES |
| 64405-8 | NIBOR BORATE INSECTICIDE AND FUNGICIDE | 0.00 | 92.93 | 90 | Disodium octaborate tetrahydrate | 3 | NO | NO |
| 1021-1603 | NYLAR 10EC | 84.95 | 0.00 | 77 | Pyriproxyfen | 3 | NO | NO |
| 499-410 | AVERT PRESCRIPTION TREATMENT TC 93B BAIT | 0.00 | 3.68 | 63 | Avermectin | 3 | NO | NO |
| 100-1066 | DEMAND CS INSECTICIDE | 70.49 | 0.00 | 50 | Cyhalothrin, lambda | 3 | NO | NO |
| 1021-1688 | ANVIL 10+10 ULV | 0.00 | 1,356.25 | 46 | Phenothrin; Piperonyl butoxide | 3 | YES | NO |
| 432-1304 | TEMPO 10 WP INSECTICIDE | 20.50 | 1.13 | 43 | Cyfluthrin, beta | 3 | NO | NO |
| 73079-4 | BORACTIN INSECTICIDE POWDER | 0.00 | 5.33 | 39 | Boric acid | 3 | NO | NO |
| 352-746 | ADVION ANT GEL | 0.00 | 1.62 | 37 | Indoxacarb | 3 | NO | NO |
| 1677-196 | ECO 2000-XP FRESHBAIT | 0.00 | 4.59 | 33 | Boric acid | 3 | NO | NO |
| 6218-47 | SUMMIT B.T.I. BRIQUETS | 0.00 | 21.12 | 32 | Bacillus thuringiensis subspecies israelensis strain BMP 144 | 3 | NO | NO |
| 279-9554 | CB INSECTICIDE WITH DELTAMETHRIN | 3.60 | 0.00 | 30 | 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 |
|------------|--|---------------|--------------|-------------|---|---------------|------------|---------------|
| 1677-195 | ECO2000-RX FRESHBAIT | 0.00 | 5.13 | 30 | Boric acid | 3 | NO | NO |
| 499-362 | WHITMIRE PT 515 WASP FREEZE | 6.95 | 24.20 | 27 | D-trans Allethrin; Phenothrin | 3 | YES | NO |
| 66222-210 | QUALI-PRO ABAMECTIN 0.15 EC | 1.49 | 0.00 | 27 | Avermectin | 2 | NO | NO |
| 73049-19 | VECTOBAC CG BIOLOGICAL LARVICIDE GRANULES | 0.00 | 13,600.57 | 25 | Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52 | 3 | NO | NO |
| 499-370 | JOHNSON WAX PROFESSIONAL BRAND GRANULAR ANT BAIT | 0.07 | 7.31 | 21 | Avermectin | 3 | NO | NO |
| 432-1254 | MAXFORCE PROFESSIONAL INSECT CONTROL ROACH KILLER | 30.01 | 7.25 | 19 | Hydramethylnon | 3 | YES | YES |
| 432-1256 | MAXFORCE FC ANT BAIT STATIONS | 15.38 | 0.23 | 18 | Fipronil | 3 | YES | NO |
| 48813-1 | SUFFOIL-X | 5.28 | 0.00 | 18 | Petroleum distillates | 3 | NO | NO |
| 100-1489 | DUPONT ACELEPRYN INSECTICIDE | 4.53 | 0.00 | 18 | DPX-E2Y45 | 0 | NO | NO |
| 432-1375 | PRE-EMPT FLY BAIT | 0.00 | 0.26 | 18 | Imidacloprid; (Z)-9-Tricosene | 3 | NO | NO |
| 228-588 | MALLET 75 WP | 0.00 | 15.95 | 17 | Imidacloprid | 3 | NO | NO |
| 862-23 | PRESCRIPTION TREATMENT BRAND ULTRA-FINE OIL ALL SEASON HORTICULTURAL | 1.26 | 0.00 | 16 | Mineral oil | 3 | NO | NO |
| 1677-43 | STER-BAC | 5.90 | 0.00 | 15 | Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride | 1 | NO | NO |
| 53871-3 | STIMUKIL FLY BAIT | 0.07 | 13.50 | 14 | (Z)-9-Tricosene; Methomyl | 3 | NO | NO |
| 432-1369 | MAJESTY | 0.04 | 0.00 | 14 | Imidacloprid | 3 | NO | NO |
| 73049-10 | VECTOBAC G BIOLOGICAL LARVICIDE GRANULES | 1.25 | 76.00 | 13 | Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52 | 3 | NO | NO |
| 8033-106 | TRISTAR 8.5 SL INSECTICIDE | 1.11 | 0.00 | 13 | Acetamiprid | 3 | NO | NO |
| 59639-96 | DISTANCE INSECT GROWTH REGULATOR | 0.44 | 0.00 | 13 | Pyriproxyfen | 3 | NO | NO |
| 5905-368 | OMNI SUPREME SPRAY | 46.08 | 4.00 | 12 | Mineral oil | 3 | NO | NO |
| 70506-24 | UP-STAR GOLD INSECTICIDE | 24.39 | 0.00 | 12 | Bifenthrin | 3 | YES | NO |
| 279-3206 | TALSTAR TC FLOWABLE TERMITICIDE/INSECTICIDE | 0.16 | 0.00 | 12 | Bifenthrin | 3 | YES | NO |
| 62719-291 | CONSERVE SC TURF AND ORNAMENTAL | 7.73 | 0.00 | 11 | Spinosad | 3 | NO | NO |

| EPA Reg. # | EPA Product Name | Volume (Gals) | Weight (Lbs) | No. Appl's. | Active Ingredient(s) | EPA Tox. Cat. | EPA Carcin | CA Dev. Toxin |
|------------|--|---------------|--------------|-------------|--|---------------|------------|---------------|
| 100-1088 | SCIMITAR GC INSECTICIDE | 0.97 | 0.00 | 11 | Cyhalothrin, lambda | 3 | NO | NO |
| 9688-255 | SPECTRACIDE COMMERCIAL WASP & HORNET KILLER 3 | 2.05 | 0.00 | 10 | Deltamethrin; S-Bioallethrin | 3 | YES | NO |
| 2724-786 | RF2050 SPRAY | 1.19 | 0.00 | 10 | Tetramethrin; Ethofenprox; Piperonyl butoxide | 3 | YES | NO |
| 1021-1771 | PYGANIC CROP PROTECTION EC 1.4 II | 0.38 | 0.00 | 10 | Pyrethrins | 3 | YES | NO |
| 2724-274 | GOLDEN MALRIN RF-128 FLY KILLER | 0.13 | 0.51 | 10 | Methomyl; (Z)-9-Tricosene | 3 | NO | NO |
| 73049-39 | DIPEL DF DRY FLOWABLE BIOLOGICAL INSECTICIDE | 0.01 | 0.17 | 10 | Bacillus thuringiensis, subsp. Kurstaki, strain ABTS-351, fermentation solids and solubles | 3 | NO | NO |
| 1001-73 | ECOLOGIX COCKROACH BAIT | 0.00 | 0.86 | 10 | Xanthine; Oxyapurinol | 3 | NO | NO |
| 42750-153 | BENEFIT 60 WP | 0.00 | 0.53 | 10 | Imidacloprid | 3 | NO | NO |
| 53883-145 | LAMBDA 9.7 EW INSECTICIDE | 5.00 | 0.00 | 9 | Cyhalothrin, lambda | 2 | NO | NO |
| 9688-190 | SPECTRACIDE DESTROYER BRAND WASP & HORNET KILLER | 0.51 | 0.00 | 9 | Cyhalothrin, lambda; Prallethrin | 3 | NO | NO |
| 432-1471 | KONTOS | 0.19 | 0.00 | 9 | Spirotetramat | 3 | NO | NO |
| 499-492 | PRESCRIPTION TREATMENT BRAND 388B ADVANCE ANT GEL BAIT | 0.14 | 0.24 | 9 | Borax | 3 | NO | NO |
| 432-1455 | BES 0026 FLY SPOT BAIT | 0.00 | 1.00 | 9 | Imidacloprid; (Z)-9-Tricosene | 3 | NO | NO |
| 279-3287 | FLONICAMID 50SG INSECTICIDE | 0.00 | 0.68 | 9 | Fonicamid | 3 | NO | NO |
| 70051-2 | TRIACT 70 | 4.36 | 0.00 | 8 | Neem oil | 3 | NO | NO |
| 499-515 | MOTHEREARTH GRANULAR SCATTER BAIT | 0.23 | 0.00 | 8 | Boric acid | 3 | NO | NO |
| 432-1402 | DECATHLON 20 WP GREENHOUSE AND NURSERY INSECTICIDE | 0.00 | 0.30 | 8 | Cyfluthrin | 3 | NO | NO |
| 83100-6 | LADA 2F INSECTICIDE | 6.50 | 0.00 | 7 | Imidacloprid | 3 | NO | NO |
| 70051-27 | AZANTIN XL BIOLOGICAL INSECTICIDE | 0.33 | 0.00 | 7 | Azadirachtin | 3 | NO | NO |
| 66222-40 | PEDESTAL | 0.17 | 0.00 | 7 | Novaluron | 3 | NO | NO |
| 4-80 | BONIDE HORTICULTURAL AND DORMANT SPRAY OIL | 0.68 | 0.00 | 6 | Mineral oil | 3 | NO | NO |
| 2724-446 | ZOECON RF-437 MOSQUITO GROWTH REGULATOR SR-20 | 0.00 | 24.00 | 6 | S-Methoprene | 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 |
|------------|---|---------------|--------------|-------------|--|---------------|------------|---------------|
| 352-651 | ADVION INSECT GRANULE | 0.00 | 0.38 | 6 | Indoxacarb | 3 | NO | NO |
| 432-1252 | MAXFORCE PROFESSIONAL INSECT CONTROL ANT KILLER BA | 0.00 | 0.33 | 6 | Hydramethylnon | 3 | YES | YES |
| 228-624 | NUFARM CHLORPYRIFOS SPC 4 INSECTICIDE | 30.97 | 0.00 | 5 | Chlorpyrifos | 2 | NO | NO |
| 66222-19 | CHLORPYRIFOS 4E | 11.75 | 0.00 | 5 | Chlorpyrifos | 2 | NO | NO |
| 67425-14 | ECOPCO ACU CONTACT INSECTICIDE | 0.93 | 0.00 | 5 | Phenylethyl propionate | 3 | NO | NO |
| 2724-476 | ENSTAR II INSECT GROWTH REGULATOR (ENSTAR 5E) | 0.24 | 0.00 | 5 | (S)-Kinoprene | 2 | NO | NO |
| 499-531 | PRESCRIPTION TREATMENT BRAND ALPINE PRESSURIZED INSECTICIDE | 0.19 | 0.00 | 5 | Dinotefuran | 3 | NO | NO |
| 73766-1 | ADIOS ANT KILLER GEL | 0.06 | 0.00 | 5 | Disodium octaborate tetrahydrate | 3 | NO | NO |
| 100-1066 | BORDER INSECTICIDE | 0.04 | 0.00 | 5 | Cyhalothrin, lambda | 3 | NO | NO |
| 499-470 | WHITMIRE MICRO-GEN TC 198 | 0.03 | 0.74 | 5 | Cyfluthrin | 3 | NO | NO |
| 9444-131 | BAYER ADVANCED ANT KILLER POWER PEN READYTO-USE BAIT | 0.01 | 0.18 | 5 | Boric acid | 3 | NO | NO |
| 62637-3 | ACROBE MOSQUITO BIOLARVICIDE GRANULE | 0.00 | 56.31 | 5 | Bacillus thuringiensis subspecies israelensis strain BMP 144 | 3 | NO | NO |
| 2724-375 | ALTOSID BRIQUETS | 0.00 | 37.26 | 5 | S-Methoprene | 3 | NO | NO |
| 73314-6 | NoFly WP | 0.00 | 3.81 | 5 | Paecilomyces fumosoroseus strain FE 9901, blastospores | 3 | NO | NO |
| 432-1457 | MERIT FXT TABLET INSECTICIDE | 0.00 | 3.61 | 5 | Imidacloprid | 3 | NO | NO |
| 432-1312 | GARANT T&O 2F | 3.44 | 0.00 | 4 | Imidacloprid | 3 | NO | NO |
| 73049-38 | VECTOBAC 12AS BIOLOGICAL LARVICIDE | 1.06 | 1.00 | 4 | Bacillus thuringiensis, subsp. israelensis, strain AM 65-52 | 3 | NO | NO |
| 400-508 | FLORAMITE SC | 0.16 | 0.00 | 4 | Bifenazate | 3 | NO | NO |
| 2724-804 | RF2129 EC | 0.04 | 0.13 | 4 | Ethofenprox; Piperonyl butoxide | 3 | YES | NO |
| 241-392 | PHANTOM TERMITICIDE-INSECTICIDE | 0.03 | 0.00 | 4 | Chlorfenapyr | 3 | YES | NO |
| 3095-47 | PIC LIQUID ANT BAIT KILLER | 0.01 | 0.00 | 4 | Sodium tetraborate (pentahydrate) | 3 | NO | NO |
| 9444-131 | DRAX ANT KILL GEL | 0.00 | 2.07 | 4 | 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 |
|------------|---|---------------|--------------|-------------|--|---------------|------------|---------------|
| 5481-553 | AMVAC SMALL PRO-STRIP | 0.00 | 0.46 | 4 | DDVP | 3 | YES | NO |
| 100-1486 | DUPONT ADVION COCKROACH BAIT ARENA | 0.00 | 0.12 | 4 | Indoxacarb | 3 | NO | NO |
| 432-1464 | DYLOX 420 SL TURF AND ORNAMENTAL INSECTICIDE | 82.25 | 0.00 | 3 | Trichlorfon | 3 | YES | NO |
| 53883-229 | QUALI-PRO IMIDACLOPRID 2F TURF & ORNAMENTAL INSECT | 7.73 | 0.00 | 3 | Imidacloprid | 3 | NO | NO |
| 100-1501 | DUPONT ARILON INSECTICIDE | 7.00 | 0.00 | 3 | Indoxacarb | 3 | NO | NO |
| 42750-115 | IMIDIPRO SYSTEMIC INSECTICIDE | 2.72 | 0.00 | 3 | Imidacloprid | 3 | NO | NO |
| 53883-244 | QUALI-PRO LAMBDA GC-0 | 2.22 | 0.00 | 3 | Cyhalothrin, lambda | 2 | NO | NO |
| 279-3155 | TALSTAR NURSERY FLOWABLE INSECTICIDE/MITICIDE | 1.13 | 0.00 | 3 | Bifenthrin | 3 | YES | NO |
| 3125-452 | MARATHON 1% GRANULAR GREENHOUSE AND NURSERY INSECTICIDE | 0.11 | 0.00 | 3 | Imidacloprid | 3 | NO | NO |
| 68539-11 | MOLT-X | 0.00 | 0.00 | 3 | Azadirachtin | 3 | NO | NO |
| 66222-199 | QUALI-PRO IMIDACLOPRID 75 WSB | 0.00 | 14.41 | 3 | Imidacloprid | 3 | NO | NO |
| 6218-47 | ANTI-MOS BRIQUETS | 0.00 | 11.32 | 3 | Bacillus thuringiensis subspecies israelensis strain BMP 144 | 3 | NO | NO |
| 2724-274 | ZOECON FLYTEK(TM) FLY BAIT | 0.00 | 1.58 | 3 | Methomyl; (Z)-9-Tricosene | 3 | NO | NO |
| 86203-11 | SAFARI 20SG INSECTICIDE | 0.00 | 0.53 | 3 | Dinotefuran | 3 | NO | NO |
| 149-8 | TERRO ANT KILLER II | 0.00 | 0.18 | 3 | Borax | 3 | NO | NO |
| 499-496 | PRESCRIPTION TREATMENT BRAND ADVANCE 360A DUAL CHOICE ANT BAIT STATIONS | 0.00 | 0.09 | 3 | Avermectin | 3 | NO | NO |
| 64405-1 | BORA-CARE | 1.00 | 0.00 | 2 | Disodium octaborate tetrahydrate | 3 | NO | NO |
| 1270-93 | ZEPOSECTOR INSECTICIDE SPRAY | 0.28 | 0.00 | 2 | Pyrethrins; Piperonyl butoxide; N-octyl bicycloheptene dicarboximide | 3 | YES | NO |
| 71711-4 | SEPRO AKARI 5SC MITICIDE/INSECTICIDE | 0.09 | 0.00 | 2 | Fenpyroximate | 2 | NO | NO |
| 67425-4 | ECOPCO AC CONTACT INSECTICIDE | 0.09 | 0.00 | 2 | Phenylethyl propionate | 3 | NO | NO |
| 279-3385 | DRAX ANT KILL GEL | 0.08 | 0.07 | 2 | Boric acid | 3 | NO | NO |
| 73748-7 | BIFENTHRIN 7.9 TERMITICIDE/INSECTICIDE | 0.08 | 0.00 | 2 | Bifenthrin | 3 | YES | NO |

| EPA Reg. # | EPA Product Name | Volume (Gals) | Weight (Lbs) | No. Appl's. | Active Ingredient(s) | EPA Tox. Cat. | EPA Carcin | CA Dev. Toxin |
|------------|--|---------------|--------------|-------------|---|---------------|------------|---------------|
| 499-437 | WHITMIRE PT 2120 TR PRECLUDE | 0.06 | 0.00 | 2 | Fenoxycarb | 3 | YES | NO |
| 9444-168 | ZEP TOTAL CONTROL TOTAL RELEASE FOGGER TOTAL CONTROL SYSTEMS | 0.04 | 0.00 | 2 | Esfenvalerate; Prallethrin; Pyriproxyfen | 3 | NO | NO |
| 432-1255 | MAXFORCE GRANULAR INSECT BAIT | 0.03 | 0.00 | 2 | Hydramethylnon | 3 | YES | YES |
| 432-1308 | DYLOX 6.2 GRANULAR INSECTICIDE | 0.00 | 2,020.00 | 2 | Trichlorfon | 3 | YES | NO |
| 432-1318 | MERIT 75 WSP | 0.00 | 26.18 | 2 | Imidacloprid | 3 | NO | NO |
| 73049-20 | DIONNE LARVA HALT II WSP MOSQUITO CONTROL | 0.00 | 0.28 | 2 | Bacillus sphaericus 2362, serotype H5a5b, strain ABTS 1743 solids, spores and insecticidal toxins (See also PC Code 119801) | 3 | NO | NO |
| 81880-5 | SANMITE MITICIDE/INSECTICIDE | 0.00 | 0.25 | 2 | Pyridaben | 2 | NO | NO |
| 432-1301 | TEMPO 20 WP IN WATER SOLUBLE PACKETS | 0.00 | 0.08 | 2 | Cyfluthrin | 3 | NO | NO |
| 100-1485 | DUPONT ADVION ANT BAIT ARENA | 0.00 | 0.07 | 2 | Indoxacarb | 3 | NO | NO |
| 432-1506 | MAXFORCE QUANTUM ANT BAIT | 0.00 | 0.05 | 2 | Imidacloprid | 3 | NO | NO |
| 56-73 | EATON'S ANSWER BORIC ACID INSECTICIDAL DUST | 0.00 | 0.03 | 2 | Boric acid | 3 | NO | NO |
| 264-349 | CLEAN CROP SEVIN BRAND 4F CARBARYL INSECTICIDE | 4.00 | 0.00 | 1 | Carbaryl | 3 | NO | NO |
| 228-625 | NUFARM CHLORPYRIFOS SPC 2 INSECTICIDE | 1.50 | 0.00 | 1 | Chlorpyrifos | 2 | NO | NO |
| 66222-19 | CHLORPYRIFOS 4E AG | 1.00 | 0.00 | 1 | Chlorpyrifos | 2 | NO | NO |
| 8033-96 | TRANSPORT (R) GHP INSECTICIDE | 0.65 | 0.00 | 1 | Acetamiprid; Bifenthrin | 3 | YES | NO |
| 228-708 | NUFARM LAMBDA-CYHALOTHRIN 1 EC INSECTICIDE | 0.63 | 0.00 | 1 | Cyhalothrin, lambda | 2 | NO | NO |
| 66222-192 | QUALI-PRO BIFENTHRIN GOLF & NURSERY 7 9F | 0.56 | 0.00 | 1 | Bifenthrin | 3 | YES | NO |
| 432-992 | DRIONE INSECTICIDE | 0.25 | 0.00 | 1 | Pyrethrins; Piperonyl butoxide; Silica gel | 3 | YES | NO |
| 499-465 | PRO-CONTROL FOGGER II | 0.16 | 0.00 | 1 | Pyrethrins; Piperonyl butoxide; N-octyl bicycloheptene dicarboximide | 3 | YES | NO |

| EPA Reg. # | EPA Product Name | Volume (Gals) | Weight (Lbs) | No. Appl's. | Active Ingredient(s) | EPA Tox. Cat. | EPA Carcin | CA Dev. Toxin |
|------------|--|---------------|--------------|-------------|--|---------------|------------|---------------|
| 499-472 | PRESCRIPTION TREATMENT BRAND ATTAIN TR MICRO TOTAL RELEASE INSECTICIDE | 0.06 | 0.00 | 1 | Bifenthrin | 2 | YES | NO |
| 10163-324 | M-PEDE INSECTICIDE/FUNGICIDE | 0.04 | 0.00 | 1 | Potassium laurate | 2 | NO | NO |
| 655-798 | PRENTOX EXCITE (R) | 0.02 | 0.00 | 1 | Pyrethrins; Piperonyl butoxide | 3 | YES | NO |
| 73766-1 | ADIOS ANT & ROACH KILLER IN A GEL | 0.01 | 0.00 | 1 | Disodium octaborate tetrahydrate | 3 | NO | NO |
| 8033-109 | TRANSPORT (R) MIKRON INSECTICIDE | 0.00 | 0.00 | 1 | Acetamiprid; Bifenthrin | 3 | YES | NO |
| 432-1318 | PROKOZ MERIT 75 WSP | 0.00 | 5.40 | 1 | Imidacloprid | 3 | NO | NO |
| 1021-1177 | PYROCIDE FOGGING CONCENTRATE 5628 | 0.00 | 3.88 | 1 | Pyrethrins; Piperonyl butoxide; N-octyl bicycloheptene dicarboximide | 3 | YES | NO |
| 1021-1424 | PYROCIDE FOGGING CONCENTRATE 7338 | 0.00 | 2.38 | 1 | Pyrethrins; Piperonyl butoxide; N-octyl bicycloheptene dicarboximide | 3 | YES | NO |
| 47000-73 | SSI-50 INSECTICIDE | 0.00 | 1.50 | 1 | Pyrethrins; Piperonyl butoxide; N-octyl bicycloheptene dicarboximide | 3 | YES | NO |
| 53871-5 | FERMONE BT FLOWABLE CONCENTRATE | 0.00 | 1.00 | 1 | Bacillus thuringiensis var. Kurstaki/Aizawai | 3 | NO | NO |
| 499-500 | PRESCRIPTION TREATMENT BRAND ADVANCE COMPRESSED TERMITE BAIT II | 0.00 | 0.82 | 1 | Diflubenzuron | 3 | NO | NO |
| 499-527 | PRESCRIPTION TREATMENT BRAND ALPINE DUST INSECTICIDE | 0.00 | 0.63 | 1 | Dinotefuran; Diatomaceous earth | 3 | NO | NO |
| 2724-274 | GOLDEN MUSCAMYL(TM) FLY BAIT | 0.00 | 0.50 | 1 | Methomyl; (Z)-9-Tricosene | 3 | NO | NO |
| 1677-191 | ECO2000-GR | 0.00 | 0.38 | 1 | Boric acid | 3 | NO | NO |
| 73049-229 | BUTAMIN P&O CONCENTRATE | 0.00 | 0.22 | 1 | Tetramethrin | 3 | YES | NO |
| 1021-1767 | MULTICIDE LICE & DUST MITE SPRAY 27911 | 0.00 | 0.10 | 1 | Phenothrin; N-octyl bicycloheptene dicarboximide | 3 | YES | NO |
| 9444-131 | VICTOR LIQUID ANT KILLING SYSTEM | 0.00 | 0.08 | 1 | Boric acid | 3 | NO | NO |
| 432-1258 | MAXFORCE LARGE ROACH BAIT F.03 | 0.00 | 0.07 | 1 | Fipronil | 3 | YES | NO |
| 9444-131 | KONK KIL ANT BAIT GEL | 0.00 | 0.07 | 1 | 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 |
|-------------------|---|---------------|--------------|-------------|---|---------------|------------|---------------|
| 64405-2 | TERRO SLUG & SNAIL BAIT | 0.00 | 0.06 | 1 | Boric acid | 3 | NO | NO |
| 1021-2560 | EVERGREEN PYRETHRUM CONCENTRATE | 0.00 | 0.06 | 1 | Pyrethrins | 3 | YES | NO |
| 499-444 | WC INSECT FINISH XL II | 0.00 | 0.03 | 1 | Pyrethrins; Piperonyl butoxide | 3 | YES | NO |
| 432-1260 | MAXFORCE ANT BAIT F3 | 0.00 | 0.02 | 1 | Fipronil | 3 | YES | NO |
| Herbicides | | | | | | | | |
| 524-579 | ROUNDUP PROMAX | 243.73 | 2.65 | 1,226 | Glyphosate, potassium salt | 3 | NO | NO |
| 62719-556 | ACCORD XRT II | 411.98 | 0.00 | 539 | Glyphosate, dimethylammonium salt | 3 | NO | NO |
| 62719-527 | GARLON 4 ULTRA | 59.80 | 0.00 | 261 | Triclopyr | 2 | NO | NO |
| 352-622 | DUPONT OUST EXTRA HERBICIDE | 0.29 | 27.94 | 207 | Sulfometuron methyl; Metsulfuron-methyl | 3 | NO | NO |
| 228-397 | RIVERDALE VANQUISH HERBICIDE | 49.15 | 7.88 | 201 | Dicamba, diglycolamine salt | 3 | NO | NO |
| 62719-176 | PATHFINDER II | 279.00 | 0.00 | 183 | Triclopyr, butoxyethyl ester | 3 | NO | NO |
| 524-475 | ROUNDUP ULTRA HERBICIDE | 79.14 | 0.00 | 127 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 62719-324 | GLYPRO | 39.93 | 0.00 | 103 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 432-1516 | ESPLANADE 200 SC | 2.02 | 0.00 | 98 | Indaziflam | 3 | NO | NO |
| 100-937 | PRIMO MAXX | 55.56 | 0.00 | 63 | Trinexapac-ethyl | 3 | NO | NO |
| 62719-517 | ACCORD XRT | 7.36 | 0.00 | 57 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 71995-25 | ROUNDUP WEED & GRASS KILLER SUPER CONCENTRATE | 26.70 | 0.00 | 40 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 524-535 | ROUNDUP QUIKPRO HERBICIDE | 2.63 | 0.00 | 30 | Glyphosate, monoammonium salt; Diquat dibromide | 3 | NO | NO |
| 62719-40 | GARLON 4 | 11.99 | 0.00 | 29 | Triclopyr, butoxyethyl ester | 3 | NO | NO |
| 432-950 | ACCLAIM EXTRA HERBICIDE | 2.05 | 0.00 | 27 | Fenoxaprop-P (+) | 3 | NO | NO |
| 72112-4 | GLYPHOSATE PRO 4TM | 3.40 | 0.00 | 20 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 62719-542 | DIMENSION 2EW | 19.31 | 0.00 | 15 | Dithiopyr | 2 | NO | NO |
| 62719-258 | TURFLON ESTER | 3.49 | 0.00 | 13 | Triclopyr, butoxyethyl ester | 3 | NO | NO |
| 79676-24 | LESCO REG/MAX PGR PLANT GROWTH REGULATOR | 1.67 | 0.00 | 11 | Trinexapac-ethyl | 3 | NO | NO |
| 100-1267 | TENACITY | 0.13 | 0.00 | 10 | Mesotrione | 3 | NO | NO |
| 66222-212 | QUALI-PRO T-NEX 1 AQ | 24.66 | 0.00 | 9 | Trinexapac-ethyl | 3 | NO | NO |
| 62719-305 | LONTREL TURF AND ORNAMENTAL | 2.21 | 0.00 | 9 | Clopyralid | 3 | NO | NO |

| EPA Reg. # | EPA Product Name | Volume (Gals) | Weight (Lbs) | No. Appl's. | Active Ingredient(s) | EPA Tox. Cat. | EPA Carc in | CA Dev. Toxin |
|------------|---|---------------|--------------|-------------|---|---------------|-------------|---------------|
| 34704-890 | AFG PLUS | 6.54 | 0.00 | 8 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 524-517 | ACCORD XL HERBICIDE | 2.54 | 0.00 | 8 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 51036-289 | STERLING | 8.43 | 0.00 | 7 | Dicamba, dimethylamine salt | 2 | NO | NO |
| 62719-445 | DIMENSION* ULTRA 40WP | 0.39 | 91.23 | 7 | Dithiopyr | 3 | NO | NO |
| 66222-213 | QUALI-PRO DITHIOPYR 40 WSB | 0.00 | 29.69 | 7 | Dithiopyr | 3 | NO | NO |
| 228-702 | NUFARM PROSEGE SELECTIVE HERBCIDE | 0.00 | 2.25 | 7 | Halosulfuron-methyl | 3 | NO | NO |
| 10404-44 | LESCO THREE-WAY BENTGRASS SELECTIVE HERBICIDE | 11.53 | 0.00 | 6 | 2,4-D, dimethylamine salt; Dicamba, dimethylamine salt; MCP-P, dimethylamine salt | 3 | NO | NO |
| 1381-192 | CORNERSTONE PLUS | 1.02 | 0.00 | 6 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 100-1014 | PACLOBUTRAZOL 2SC | 3.91 | 0.00 | 4 | Paclobutrazol | 3 | NO | NO |
| 66222-176 | GLYPHOGAN PLUS HERBICIDE | 2.22 | 0.00 | 4 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 62719-322 | PROKOZ GLYPHOSATE PRO | 0.30 | 0.00 | 4 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 524-475 | ROUNDUP ULTRA | 0.02 | 0.00 | 4 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 2217-833 | SPEED ZONE BROADLEAF HERBICIDE | 6.63 | 0.00 | 3 | 2,4-D, 2-ethylhexyl ester; Carfentrazone-ethyl; Dicamba; Mecroprop-p | 3 | YES | NO |
| 2217-759 | EMBARK 2-S PLANT GROWTH REGULATOR | 3.97 | 0.00 | 3 | Mefluidide, diethanolamine salt | 3 | NO | NO |
| 228-366 | RAZOR HERBICIDE | 3.20 | 0.00 | 3 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 42750-247 | DUPONT KRENITE S BRUSH CONTROL AGENT | 2.50 | 0.00 | 3 | Fosamine, ammonium salt | 3 | NO | NO |
| 961-362 | LEBANON FERTILIZER WITH BARRICADE (0.43%) PREEMERGENCE WEED CONTROL (| 0.00 | 2,000.00 | 3 | Prodiamine | 3 | YES | NO |
| 5905-537 | PRO-MATE DIMENSION 0.10% PLUS FERTILIZER | 0.00 | 1,500.00 | 3 | Dithiopyr | 3 | NO | NO |
| 62719-504 | SIGNATURE DIMENSION 0.15 PLUS FERTILIZER | 0.00 | 1,400.00 | 3 | Dithiopyr | 3 | NO | NO |
| 264-267 | PROXY | 26.92 | 0.00 | 2 | Ethephon | 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 |
|------------|--|---------------|--------------|-------------|--|---------------|------------|---------------|
| 432-1230 | PROXY GROWTH REGULATOR | 15.00 | 0.00 | 2 | Ethephon | 1 | NO | NO |
| 2217-930 | EH-1471 HERBICIDE | 6.00 | 3.75 | 2 | 2,4-D, dimethylamine salt; Sulfentrazone; Dicamba, dimethylamine salt; Quinclorac | 3 | NO | NO |
| 2217-543 | TRIMEC HERBICIDE | 2.53 | 0.00 | 2 | 2,4-D, dimethylamine salt; MCP-P, dimethylamine salt; Dicamba, dimethylamine salt | 1 | NO | NO |
| 10088-55 | TURF KING | 2.00 | 0.00 | 2 | Prometon | 3 | NO | NO |
| 432-954 | FINALE SUPER CONCENTRATE WEED, GRASS AND BRUSH KILLER | 0.50 | 0.00 | 2 | Glufosinate-ammonium | 2 | NO | NO |
| 86064-3 | ARMOR TECH PGR 113 MC | 0.17 | 0.00 | 2 | Trinexapac-ethyl | 3 | NO | NO |
| 7969-272 | DRIVE XLR8 HERBICIDE | 0.17 | 0.00 | 2 | Quinclorac | 3 | NO | NO |
| 10163-325 | SCYTHE HERBICIDE | 0.09 | 0.00 | 2 | Nonanoic acid | 2 | NO | NO |
| 60063-28 | GREENYARD CRABGRASS PREVENTER WITH 0.75% PRODIAMINE | 0.00 | 4,000.00 | 2 | Prodiamine | 3 | YES | NO |
| 9198-237 | THE ANDERSONS WEED & GRASS PREVENTER WITH 5% TRAMMEL HERBICIDE (DISPER | 0.00 | 160.00 | 2 | Trifluralin | 3 | YES | NO |
| 228-711 | NUFARM PROSEGE SELECTIVE HERBICIDE2 | 0.00 | 0.09 | 2 | Halosulfuron-methyl | 3 | NO | NO |
| 2217-696 | BETAMEC 4 PRE-EMERGENCE GRASS KILLER | 15.00 | 0.00 | 1 | Bensulide | 3 | NO | NO |
| 228-453 | BATTLESHIP 3 | 2.50 | 0.00 | 1 | MCPA, dimethylamine salt; Triclopyr, triethylamine salt; Fluroxypyr 1-methylheptyl ester | 1 | NO | NO |
| 51036-329 | LESCO T-STORM FLOWABLE | 2.50 | 0.00 | 1 | Thiophanate-methyl | 3 | NO | NO |
| 228-619 | NUFARM SETHOXYDIM SPC HERBICIDE | 1.88 | 0.00 | 1 | Sethoxydim | 3 | NO | NO |
| 228-264 | RIVERDALE TRIPLET SELECTIVE HERBICIDE | 1.22 | 0.00 | 1 | 2,4-D, dimethylamine salt; Dicamba, dimethylamine salt; Mecroprop-p | 1 | YES | NO |
| 66330-276 | DICAMBA DMA 4# AG | 0.88 | 0.00 | 1 | Dicamba, dimethylamine salt | 2 | NO | NO |

| EPA Reg. # | EPA Product Name | Volume (Gals) | Weight (Lbs) | No. Appl's. | Active Ingredient(s) | EPA Tox. Cat. | EPA Carcin | CA Dev. Toxin |
|-------------------|--|---------------|--------------|-------------|--|---------------|------------|---------------|
| 72155-100 | NS Herbicide Concentrate C | 0.56 | 0.00 | 1 | Glyphosate, isopropylamine salt; Diquat dibromide; Indaziflam | 3 | NO | NO |
| 10404-43 | LESCO THREE-WAY SELECTIVE HERBICIDE | 0.44 | 0.00 | 1 | 2,4-D, dimethylamine salt; Dicamba, dimethylamine salt; MCPP-P, dimethylamine salt | 1 | NO | NO |
| 524-343 | ROUNDUP CUSTOM HERBICIDE | 0.09 | 0.00 | 1 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 228-317 | COOL POWER SELECTIVE HERBICIDE | 0.09 | 0.00 | 1 | Dicamba; MCPA, 2-ethyl hexyl ester; Triclopyr, butoxyethyl ester | 3 | NO | NO |
| 279-3265 | F8426 HERBICIDE | 0.06 | 0.00 | 1 | Carfentrazone-ethyl | 3 | NO | NO |
| 62719-324 | AQUAPRO | 0.05 | 0.00 | 1 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 2724-351 | ZOECON RF-259 EMULSIFIABLE CONCENTRATE | 0.00 | 0.00 | 1 | (7S)-Hydroprene | 3 | NO | NO |
| 264-263 | FLOREL BRAND ETHEPHON PLANT GROWTH REGULATOR | 0.00 | 0.00 | 1 | Ethephon | 3 | NO | NO |
| 53883-213 | FERTILIZER WITH 0.1% DITHIOPYR HERBICIDE | 0.00 | 4,000.00 | 1 | Dithiopyr | 3 | NO | NO |
| 9198-176 | ANDERSON'S GOOSE/CRABGRASS CONTROL | 0.00 | 400.00 | 1 | Bensulide; Oxadiazon | 2 | YES | YES |
| 538-60 | STARTER FERTILIZER WITH CRABGRASS PREVENTER | 0.00 | 111.10 | 1 | Siduron | 3 | NO | NO |
| 279-3419 | F7275 70 WG HERBICIDE | 0.00 | 25.00 | 1 | Carfentrazone-ethyl; Quinclorac | 3 | NO | NO |
| 62719-322 | NAF-545 | 0.00 | 0.04 | 1 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 352-439 | DUPONT ESCORT XP HERBICIDE | 0.00 | 0.03 | 1 | Metsulfuron-methyl | 3 | NO | NO |
| 81880-1 | SEDGEHAMMER | 0.00 | 0.01 | 1 | Halosulfuron-methyl | 3 | NO | NO |
| Fungicides | | | | | | | | |
| 100-1364 | DACONIL ACTION | 489.41 | 0.00 | 86 | Acibenzolar-S-methyl; Chlorothalonil | 2 | YES | NO |
| 71065-3 | COMPANION LIQUID BIOLOGICAL FUNGICIDE | 304.50 | 0.00 | 54 | Bacillus subtilis GBO3 | 3 | NO | NO |
| 100-1093 | HERITAGE FUNGICIDE | 0.00 | 90.84 | 37 | Azoxystrobin | 3 | NO | NO |
| 79676-17 | LESCO TWOSOME FUNGICIDE | 121.51 | 0.00 | 36 | Iprodione; Thiophanate-methyl | 3 | NO | NO |
| 7969-290 | INSIGNIA SC INTRINSIC BRAND FUNGICIDE | 23.70 | 0.00 | 34 | Pyraclostrobin | 2 | NO | NO |

| EPA Reg. # | EPA Product Name | Volume (Gals) | Weight (Lbs) | No. Appl's. | Active Ingredient(s) | EPA Tox. Cat. | EPA Carcin | CA Dev. Toxin |
|------------|--|---------------|--------------|-------------|--|---------------|------------|---------------|
| 432-1445 | BAYLETON FLO TURF AND ORNAMENTAL FUNGICIDE | 44.18 | 0.00 | 33 | Triadimefon | 3 | YES | YES |
| 55260-9 | PROPLANT TURF AND ORNAMENTAL FUNGICIDE | 72.76 | 10.00 | 27 | Propamocarb hydrochloride | 3 | NO | NO |
| 70299-1 | ZEROTOL ALGAECIDE/FUNGICIDE | 83.03 | 0.00 | 23 | Hydrogen peroxide | 1 | NO | NO |
| 70127-2 | NOVOZYMES BIOFUNGICIDE GREEN RELEAF 710-140 | 101.00 | 0.00 | 22 | Bacillus licheniformis SB3086; IBA | 3 | NO | NO |
| 432-942 | BANOL TURF AND ORNAMENTAL FUNGICIDE | 47.00 | 0.00 | 21 | Propamocarb hydrochloride | 3 | NO | NO |
| 432-890 | ALIETTE WDG BRAND FUNGICIDE | 0.00 | 624.30 | 21 | Fosetyl-Al | 3 | NO | NO |
| 66222-149 | ARMOR TECH CLT 825 | 24.00 | 1,373.75 | 19 | Chlorothalonil | 2 | YES | NO |
| 69361-27 | TEBUCONAZOLE 3.6F FUNGICIDE | 28.34 | 0.00 | 17 | Tebuconazole | 3 | YES | NO |
| 50534-202 | MANICURE ULTREX TURF & ORNAMENTAL | 0.00 | 476.71 | 13 | Chlorothalonil | 1 | YES | NO |
| 60063-3 | CHLOROSTAR SD TURF AND ORNAMENTAL FUNGICIDE | 0.00 | 235.00 | 13 | Chlorothalonil | 2 | YES | NO |
| 264-1155 | RHAPSODY AS0 | 64.00 | 0.00 | 12 | QST 713 strain of dried Bacillus subtilis | 3 | NO | NO |
| 86064-4 | ARMOR TECH PPZ 143 MC | 28.39 | 0.00 | 12 | Propiconazole | 2 | YES | NO |
| 67702-2 | CAMELOT O FUNGICIDE/BACTERICIDE | 22.75 | 0.00 | 12 | Copper octanoate | 3 | NO | NO |
| 7969-224 | CURALAN EG | 0.00 | 462.66 | 11 | Vinclozolin | 3 | YES | YES |
| 66222-154 | QUALI-PRO CHLOROTHALONIL 720 SFT | 120.07 | 0.00 | 10 | Chlorothalonil | 2 | YES | NO |
| 100-796 | SUBDUE MAXX | 15.89 | 0.00 | 10 | Mefenoxam | 3 | NO | NO |
| 70299-6 | GREENCLEAN PRO GRANULAR ALGAECIDE/FUNGICIDE | 0.00 | 740.00 | 10 | Sodium percarbonate | 1 | NO | NO |
| 9198-115 | THE ANDERSONS TURF FUNGICIDE WITH 5.0% DACONIL | 0.00 | 3,986.00 | 9 | Chlorothalonil | 1 | YES | NO |
| 73314-2 | ACTINO-IRON BIOLOGICAL FUNGICIDE | 0.00 | 29.25 | 8 | Streptomyces lydicus WYEC 108 | 3 | NO | NO |
| 68539-3 | T-22G BIOLOGICAL PLANT PROTECTANT GRANULES | 0.00 | 29.25 | 8 | Trichoderma harzianum rifai strain KRL-AG2 | 3 | NO | NO |
| 66222-161 | QUALI-PRO FOSETYL - AL 80 WDG | 0.00 | 6.43 | 8 | Fosetyl-Al | 3 | NO | NO |
| 66222-41 | PRIMEERAONE PROPICONAZOLA 14.3 | 9.45 | 0.00 | 7 | Propiconazole | 2 | YES | NO |
| 70299-12 | ZEROTOL 2.0 | 4.13 | 0.00 | 7 | Peroxyacetic acid; Hydrogen peroxide | 1 | NO | NO |
| 66222-41 | QUALI-PRO PROPICONAZOLE 14.3 | 39.94 | 0.00 | 6 | Propiconazole | 2 | YES | NO |

| EPA Reg. # | EPA Product Name | Volume (Gals) | Weight (Lbs) | No. Appl's. | Active Ingredient(s) | EPA Tox. Cat. | EPA Carcin | CA Dev. Toxin |
|------------|--|---------------|--------------|-------------|--|---------------|------------|---------------|
| 66222-117 | ORIOUS 3.6F | 21.28 | 0.00 | 6 | Tebuconazole | 3 | YES | NO |
| 432-1505 | CHIPCO 26019T FUNGICIDE | 13.93 | 0.00 | 6 | Iprodione; Trifloxystrobin | 3 | YES | NO |
| 66222-216 | QUALI-PRO MEFENOXAM 2AQ | 2.17 | 0.00 | 6 | Mefenoxam | 2 | NO | NO |
| 70644-1 | NUTROL | 0.00 | 398.00 | 6 | Phosphoric acid, monopotassium salt | 3 | NO | NO |
| 100-794 | SUBDUE GR | 0.00 | 126.00 | 6 | Mefenoxam | 3 | NO | NO |
| 432-1360 | BAYLETON 50 TURF AND ORNAMENTAL FUNGICIDE IN WATER | 0.00 | 38.84 | 6 | Triadimefon | 3 | YES | YES |
| 70870-1 | MILSTOP BROAD SPECTRUM FOLIAR FUNGICIDE | 0.00 | 4.94 | 6 | Potassium bicarbonate | 3 | NO | NO |
| 86064-2 | ARMOR TECH CLT 720 FL | 50.00 | 0.00 | 5 | Chlorothalonil | 2 | YES | NO |
| 66222-134 | THIOPHANATE METHYL 4.5 F | 31.25 | 0.00 | 5 | Thiophanate-methyl | 3 | YES | YES |
| 84059-3 | REGALIA PTO BIOFUNGICIDE FOR USE ON TURF AND ORNAMENTALS | 28.00 | 0.00 | 5 | Reynoutria sachalinensis | 3 | NO | NO |
| 100-1326 | BANNER MAXX II | 23.00 | 0.00 | 5 | Propiconazole | 3 | YES | NO |
| 432-1446 | TARTAN FLO FUNGICIDE | 8.32 | 0.00 | 5 | Triadimefon; Trifloxystrobin | 3 | YES | YES |
| 69592-19 | CEASE | 7.75 | 0.00 | 5 | QST 713 strain of dried Bacillus subtilis | 3 | NO | NO |
| 68173-3 | AFFIRM WDG | 0.00 | 26.42 | 5 | Polyoxin D zinc salt | 3 | NO | NO |
| 432-1223 | PROSTAR 70 WP | 0.00 | 13.00 | 5 | Flutolanil | 3 | NO | NO |
| 100-769 | MEDALLION FUNGICIDE | 0.00 | 0.50 | 5 | Fludioxonil | 3 | NO | NO |
| 228-684 | NUFARM IPRDIONE SPC FUNGICIDE | 27.50 | 0.00 | 4 | Iprodione | 3 | YES | NO |
| 432-888 | CHIPCO 26019 FLO BRAND FUNGICIDE | 21.00 | 0.00 | 4 | Iprodione | 3 | YES | NO |
| 432-888 | SEXTANT FUNGICIDE | 17.50 | 0.00 | 4 | Iprodione | 3 | YES | NO |
| 62719-388 | FORE 80WP RAINSHIELD | 0.00 | 123.50 | 4 | Mancozeb | 3 | YES | NO |
| 60063-3 | LESCO MANICURE ULTRA | 0.00 | 80.00 | 4 | Chlorothalonil | 2 | YES | NO |
| 432-1371 | COMPASS | 0.00 | 12.80 | 4 | Trifloxystrobin | 3 | NO | NO |
| 100-1433 | BRISKWAY | 72.94 | 0.00 | 3 | Azoxystrobin; Difenconazole | 3 | YES | NO |
| 432-1486 | RESERVE FUNGICIDE | 49.94 | 0.00 | 3 | Chlorothalonil; Triticonazole | 2 | YES | NO |
| 100-1451 | APPEAR | 40.00 | 0.00 | 3 | Mono- and di-potassium salts of phosphorous acid | 3 | NO | NO |
| 100-1347 | CONCERT II | 30.00 | 0.00 | 3 | Propiconazole | 1 | YES | NO |
| 83851-9 | AMTIDE TEBU 3.6F FOLIAR FUNGICIDE | 10.51 | 0.00 | 3 | Tebuconazole | 3 | YES | NO |
| 100-741 | ALAMO FUNGICIDE | 4.27 | 0.00 | 3 | Propiconazole | 2 | YES | NO |
| 100-892 | ARBOTECT 20-S FUNGICIDE | 3.31 | 0.00 | 3 | Thiabendazole | 3 | NO | NO |
| 59639-143 | V-10162 VPP FUNGICIDE | 2.44 | 0.00 | 3 | Fluopicolide | 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 |
|------------|--|---------------|--------------|-------------|--|---------------|------------|---------------|
| 71512-13 | SEGWAY FUNGICIDE | 0.91 | 0.00 | 3 | Cyazofamid | 3 | NO | NO |
| 400-521 | TERRAGUARD SC | 0.04 | 0.00 | 3 | Triflumizole | 3 | NO | NO |
| 59639-144 | V-10116 VPP FUNGICIDE | 0.00 | 46.30 | 3 | Metconazole | 3 | NO | NO |
| 7969-255 | HONOR FUNGICIDE | 0.00 | 39.75 | 3 | Nicobifen; Pyraclostrobin | 3 | YES | NO |
| 432-889 | CHIPCO 26019 FUNGICIDE | 38.59 | 0.00 | 2 | Iprodione | 3 | YES | NO |
| 1001-69 | LESCO CAVALIER FLOWABLE | 32.50 | 0.00 | 2 | Thiophanate-methyl | 3 | YES | YES |
| 83472-1 | DECCO FUNGI-PHITE PH | 32.00 | 0.00 | 2 | Mono- and di-potassium salts of phosphorous acid | 3 | NO | NO |
| 228-633 | NUFARM PROPICONAZOLE SPC EC FUNGICIDE | 5.20 | 0.00 | 2 | Propiconazole | 2 | YES | NO |
| 58185-33 | DOMAIN FL | 0.47 | 0.00 | 2 | Thiophanate-methyl | 3 | YES | YES |
| 67702-2 | BONIDE LIQUID COPPER FUNGICIDE CONCENTRATE | 0.13 | 0.00 | 2 | Copper octanoate | 3 | NO | NO |
| 62388-1 | NOGALL | 0.00 | 1.10 | 2 | Agrobacterium radiobacter strain K1026 | 3 | NO | NO |
| 58185-30 | FUNGO 50 WSB WETTABLE POWDER TURF & ORNAMENTAL SYS | 0.00 | 1.00 | 2 | Thiophanate-methyl | 3 | YES | YES |
| 5481-8992 | TURFCIDE 4F | 40.00 | 0.00 | 1 | PCNB | 3 | YES | NO |
| 66222-214 | QUALI-PRO IPRO 2SE | 35.00 | 0.00 | 1 | Iprodione | 3 | YES | NO |
| 50534-209 | MANICURE 6 FLOWABLE | 29.25 | 0.00 | 1 | Chlorothalonil | 3 | YES | NO |
| 464-693 | CHEMICAR 15 | 13.00 | 0.00 | 1 | Glutaraldehyde | 1 | NO | NO |
| 66330-305 | IPRODIONE PRO 25E FUNGICIDE | 5.00 | 0.00 | 1 | Iprodione | 3 | YES | NO |
| 60063-7 | LESCO MANICRUE 6FL | 5.00 | 0.00 | 1 | Chlorothalonil | 2 | YES | NO |
| 100-1216 | BANNER HERITAGE MAXX | 1.50 | 0.00 | 1 | Azoxystrobin; Propiconazole | 3 | YES | NO |
| 71962-1 | AGRI-FOS SYSTEMIC FUNGICIDE | 0.02 | 0.00 | 1 | Mono- and di-potassium salts of phosphorous acid | 3 | NO | NO |
| 9198-210 | ANDERSONS GOLF PRODUCTS FUNGICIDE X | 0.00 | 422.00 | 1 | Iprodione | 3 | YES | NO |
| 9198-204 | ANDERSONS GOLF PRODUCTS FUNGICIDE IX | 0.00 | 338.00 | 1 | Thiophanate-methyl; Chloroneb | 3 | YES | YES |
| 9198-187 | ANDERSONS GOLF PRODUCTS FUNGICIDE VII | 0.00 | 233.20 | 1 | Triadimefon | 3 | YES | YES |
| 100-794 | ANDERSONS GOLF PRODUCTS PYTHIUM CONTROL WITH MEFENOXAM | 0.00 | 150.00 | 1 | Mefenoxam | 3 | NO | NO |
| 432-1477 | PROSTAR 70 WDG FUNGICIDE | 0.00 | 8.00 | 1 | Flutolanil | 3 | NO | NO |
| 66330-56 | VERANDA O | 0.00 | 4.80 | 1 | Polyoxin D zinc salt | 3 | NO | NO |
| 5905-541 | ARMICARB 100 | 0.00 | 2.50 | 1 | Potassium bicarbonate | 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 |
|---|--|---------------|--------------|-------------|--|---------------|------------|---------------|
| Other (Repellents, Biochemical Pesticides, Etc.) | | | | | | | | |
| 60061-71 | PETTIT MARINE PAINT PREMIUM SINGLE SEASON ABLATIVE | 23.00 | 0.00 | 16 | Copper oxide (ous) | 2 | NO | NO |
| 71096-7 | ORTHO BUG-GETA SNAIL & SLUG KILLER 1 | 0.00 | 8.00 | 10 | Metaldehyde | 3 | NO | NO |
| 59807-4 | HORMODIN 1 | 0.00 | 0.31 | 7 | IBA | 3 | NO | NO |
| 73049-15 | PROGIBB 4% PLANT GROWTH REGULATOR SOLUTION | 0.00 | 0.00 | 4 | Gibberellins | 2 | NO | NO |
| 499-368 | WHITMIRE PT 2000 GREEN-SHIELD HORTICULTURAL ALGICIDE, DISINFECTANT | 0.08 | 0.00 | 2 | Alkyl (68%C12, 32%C14) dimethylethylbenzyl ammonium chloride; Alkyl* dimethyl benzyl ammonium chloride *(60%C14, 30%C16, 5%C18, 5%C12) | 1 | NO | NO |
| 1448-212 | CHEMICIDE 100-15 | 14.00 | 0.00 | 1 | Poly(oxyethylene) (dimethylimino) ethylene (dimethylimino) ethylene dichloride | 3 | NO | NO |
| 2217-768 | EMBARK E-Z-TU-USE PLANT GROWTH REGULATOR | 0.75 | 0.00 | 1 | Mefluidide, diethanolamine salt | 3 | NO | NO |
| 73049-67 | DITERA DF BIOLOGICAL NEMATICIDE | 0.00 | 1.00 | 1 | Myrothecium verrucaria, dried fermentation solids & solubles | 3 | NO | NO |

APPENDIX 2: Complete Listing of Pesticide Products Used by the Department of Parks and Recreation in 2013

Pesticide Products Used by DPR in 2013 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 | | | | | | | | |
| 12455-79 | CONTRAC ALL-WEATHER BLOX | 0.00 | 208.06 | 407 | Bromadiolone | 3 | NO | NO |
| 12455-106 | TERAD3 BLOX | 0.20 | 156.19 | 345 | Cholecalciferol | 3 | NO | NO |
| 12455-76 | CONTRAC RODENTICIDE READY TO USE PLACE PAC | 0.00 | 87.07 | 150 | Bromadiolone | 3 | NO | NO |
| 56-58 | JT EATON AC FORMULA 90 RODENTICIDE | 0.22 | 68.38 | 97 | Chlorophacinone | 3 | NO | NO |
| 12455-139 | Final Soft Bait | 1.41 | 84.56 | 85 | Brodifacoum | 3 | NO | NO |
| 7173-202 | MAKI MINI BLOCKS | 0.00 | 32.94 | 53 | Bromadiolone | 3 | NO | NO |
| 12455-89 | FINAL ALL-WEATHER BLOX | 0.00 | 51.89 | 47 | Brodifacoum | 3 | NO | NO |
| 12455-17 | ZP RODENT BAIT AG | 0.00 | 7.46 | 45 | Zinc phosphide | 3 | NO | NO |
| 12455-75 | CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC | 0.00 | 10.79 | 40 | Bromadiolone | 3 | NO | NO |
| 100-1055 | WEATHERBLOK BAIT WITH BITREX | 0.00 | 0.20 | 40 | Brodifacoum | 3 | NO | NO |
| 12455-69 | CONTRAC RODENTICIDE | 0.00 | 0.08 | 32 | Bromadiolone | 3 | NO | NO |
| 12455-97 | FASTRAC PLACE PACS | 0.00 | 3.27 | 30 | Bromethalin | 3 | NO | NO |
| 7173-258 | DIFETHIALONE PASTE PLACE PACKS | 0.00 | 5.03 | 21 | Difethialone | 3 | NO | NO |
| 12455-133 | CONTRAC WITH LUMITRACK | 0.00 | 8.73 | 20 | Bromadiolone | 3 | NO | NO |
| 12455-36 | CONTRAC RAT AND MOUSE BAIT | 0.00 | 26.00 | 19 | Bromadiolone | 3 | NO | NO |
| 56-42 | BAIT BLOCK RODENTICIDE WITH PEANUT BUTTER FLAVORIZ | 0.00 | 0.11 | 15 | Diphacinone | 3 | NO | NO |
| 7173-188 | MAKI RAT AND MOUSE BAIT PACKS (PELLETS) | 0.00 | 6.81 | 7 | Bromadiolone | 3 | NO | NO |
| 3282-110 | DIFETHIALONE MINI BLOCKS | 0.00 | 0.03 | 5 | Difethialone | 3 | NO | NO |
| 12455-97 | TOMCAT QUICKSTRIKE PELLETTED BAIT | 0.00 | 0.01 | 4 | Bromethalin | 3 | NO | NO |
| 47629-16 | DIFENACOU M RAT AND MOUSE BLOCK | 0.00 | 0.31 | 1 | Difenacoum | 3 | NO | NO |
| 12455-39 | QUINTOX RAT AND MOUSE BAIT | 0.00 | 0.13 | 1 | Cholecalciferol | 3 | NO | NO |
| 7173-236 | D-CON RAT & MOUSE BAIT BLOCKS II RODENT CONTROL | 0.00 | 0.01 | 1 | Difethialone | 3 | NO | NO |
| 67517-72 | TOP GUN PELLET RODENTICIDE | 0.00 | 0.00 | 1 | Bromethalin | 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 | | | | | | | | |
| 100-1484 | DUPONT ADVION COCKROACH GEL BAIT | 0.00 | 5.49 | 307 | Indoxacarb | 3 | NO | NO |
| 432-763 | SUSPEND SC | 1.82 | 0.00 | 214 | Deltamethrin | 3 | NO | NO |
| 432-1363 | TEMPO SC INSECTICIDE | 4.25 | 0.00 | 107 | Cyfluthrin, beta | 3 | NO | NO |
| 352-652 | ADVION COCKROACH GEL BAIT | 0.00 | 3.87 | 91 | Indoxacarb | 3 | NO | NO |
| 64405-2 | REDZONE BAIT | 0.00 | 8.63 | 42 | Boric acid | 3 | NO | NO |
| 66222-210 | QUALI-PRO ABAMECTIN 0.15 EC | 1.49 | 0.00 | 27 | Avermectin | 2 | NO | NO |
| 499-362 | WHITMIRE PT 515 WASP FREEZE | 6.89 | 23.70 | 24 | D-trans Allethrin; Phenothrin | 3 | YES | NO |
| 48813-1 | SUFFOIL-X | 5.28 | 0.00 | 18 | Petroleum distillates | 3 | NO | NO |
| 100-1489 | DUPONT ACELEPRYN INSECTICIDE | 4.53 | 0.00 | 18 | DPX-E2Y45 | 0 | NO | NO |
| 432-1264 | MAXFORCE FC ANT KILLER BAIT GEL | 0.00 | 0.24 | 18 | Fipronil | 3 | YES | NO |
| 228-588 | MALLET 75 WP | 0.00 | 15.95 | 17 | Imidacloprid | 3 | NO | NO |
| 862-23 | PRESCRIPTION TREATMENT BRAND ULTRA-FINE OIL ALL SEASON HORTICULTURAL | 1.26 | 0.00 | 16 | Mineral oil | 3 | NO | NO |
| 432-1259 | PRODUCT: RBF5 | 0.00 | 0.33 | 15 | Fipronil | 3 | YES | NO |
| 432-1369 | MAJESTY | 0.04 | 0.00 | 14 | Imidacloprid | 3 | NO | NO |
| 73049-10 | VECTOBAC G BIOLOGICAL LARVICIDE GRANULES | 1.25 | 76.00 | 13 | Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52 | 3 | NO | NO |
| 8033-106 | TRISTAR 8.5 SL INSECTICIDE | 1.11 | 0.00 | 13 | Acetamiprid | 3 | NO | NO |
| 59639-96 | DISTANCE INSECT GROWTH REGULATOR | 0.44 | 0.00 | 13 | Pyriproxyfen | 3 | NO | NO |
| 352-746 | ADVION ANT GEL | 0.00 | 0.46 | 13 | Indoxacarb | 3 | NO | NO |
| 5905-368 | OMNI SUPREME SPRAY | 46.08 | 4.00 | 12 | Mineral oil | 3 | NO | NO |
| 70506-24 | UP-STAR GOLD INSECTICIDE | 24.39 | 0.00 | 12 | Bifenthrin | 3 | YES | NO |
| 62719-291 | CONSERVE SC TURF AND ORNAMENTAL | 7.73 | 0.00 | 11 | Spinosad | 3 | NO | NO |
| 73049-20 | VECTOLEX CG BIOLOGICAL LARVICIDE | 1.25 | 75.00 | 11 | Bacillus sphaericus | 3 | NO | NO |
| 100-1088 | SCIMITAR GC INSECTICIDE | 0.97 | 0.00 | 11 | Cyhalothrin, lambda | 3 | NO | NO |
| 1021-1771 | PYGANIC CROP PROTECTION EC 1.4 II | 0.38 | 0.00 | 10 | Pyrethrins | 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 |
|------------|--|---------------|--------------|-------------|--|-------------|------------|---------------|
| 73049-39 | DIPEL DF DRY FLOWABLE BIOLOGICAL INSECTICIDE | 0.01 | 0.17 | 10 | Bacillus thuringiensis, subsp. Kurstaki, strain ABTS-351, fermentation solids and solubles | 3 | NO | NO |
| 6218-47 | SUMMIT B.T.I. BRIQUETS | 0.00 | 5.92 | 10 | Bacillus thuringiensis subspecies Israelensis strain BMP 144 | 3 | NO | NO |
| 42750-153 | BENEFIT 60 WP | 0.00 | 0.53 | 10 | Imidacloprid | 3 | NO | NO |
| 53883-145 | LAMBDA 9.7 EW INSECTICIDE | 5.00 | 0.00 | 9 | Cyhalothrin, lambda | 2 | NO | NO |
| 432-1471 | KONTOS | 0.19 | 0.00 | 9 | Spirotetramat | 3 | NO | NO |
| 279-3287 | FLONICAMID 50SG INSECTICIDE | 0.00 | 0.68 | 9 | Flonicamid | 3 | NO | NO |
| 70051-2 | TRIACT 70 | 4.36 | 0.00 | 8 | Neem oil | 3 | NO | NO |
| 432-1402 | DECATHLON 20 WP GREENHOUSE AND NURSERY INSECTICIDE | 0.00 | 0.30 | 8 | Cyfluthrin | 3 | NO | NO |
| 83100-6 | LADA 2F INSECTICIDE | 6.50 | 0.00 | 7 | Imidacloprid | 3 | NO | NO |
| 70051-27 | AZANTIN XL BIOLOGICAL INSECTICIDE | 0.33 | 0.00 | 7 | Azadirachtin | 3 | NO | NO |
| 66222-40 | PEDESTAL | 0.17 | 0.00 | 7 | Novaluron | 3 | NO | NO |
| 73079-2 | INTICE GRANULAR BAIT | 0.00 | 0.33 | 7 | Boric acid | 3 | NO | NO |
| 4-80 | BONIDE HORTICULTURAL AND DORMANT SPRAY OIL | 0.68 | 0.00 | 6 | Mineral oil | 3 | NO | NO |
| 228-624 | NUFARM CHLORPYRIFOS SPC 4 INSECTICIDE | 30.97 | 0.00 | 5 | Chlorpyrifos | 2 | NO | NO |
| 66222-19 | CHLORPYRIFOS 4E | 11.75 | 0.00 | 5 | Chlorpyrifos | 2 | NO | NO |
| 67425-14 | ECOPCO ACU CONTACT INSECTICIDE | 0.93 | 0.00 | 5 | Phenylethyl propionate | 3 | NO | NO |
| 2724-476 | ENSTAR II INSECT GROWTH REGULATOR (ENSTAR 5E) | 0.24 | 0.00 | 5 | (S)-Kinoprene | 2 | NO | NO |
| 62637-3 | ACROBE MOSQUITO BIOLARVICIDE GRANULE | 0.00 | 56.31 | 5 | Bacillus thuringiensis subspecies Israelensis strain BMP 144 | 3 | NO | NO |
| 2724-375 | ALTOSID BRIQUETS | 0.00 | 37.26 | 5 | S-Methoprene | 3 | NO | NO |
| 73314-6 | NoFly WP | 0.00 | 3.81 | 5 | Paecilomyces fumosoroseus strain FE 9901, blastospores | 3 | NO | NO |
| 432-1457 | MERIT FXT TABLET INSECTICIDE | 0.00 | 3.61 | 5 | Imidacloprid | 3 | NO | NO |
| 432-1312 | GARANT T&O 2F | 3.44 | 0.00 | 4 | Imidacloprid | 3 | NO | NO |

| EPA Reg. # | EPA Product Name | Volume (Gals) | Weight (Lbs) | No. Appl's. | Active Ingredient(s) | EPA Tox Cat | EPA Carcin | CA Dev. Toxin |
|------------|---|---------------|--------------|-------------|--|-------------|------------|---------------|
| 73049-38 | VECTOBAC 12AS BIOLOGICAL LARVICIDE | 1.06 | 1.00 | 4 | Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52 | 3 | NO | NO |
| 400-508 | FLORAMITE SC | 0.16 | 0.00 | 4 | Bifenazate | 3 | NO | NO |
| 432-1464 | DYLOX 420 SL TURF AND ORNAMENTAL INSECTICIDE | 82.25 | 0.00 | 3 | Trichlorfon | 3 | YES | NO |
| 53883-229 | QUALI-PRO IMIDACLOPRID 2F TURF & ORNAMENTAL INSECT | 7.73 | 0.00 | 3 | Imidacloprid | 3 | NO | NO |
| 42750-115 | IMIDIPRO SYSTEMIC INSECTICIDE | 2.72 | 0.00 | 3 | Imidacloprid | 3 | NO | NO |
| 53883-244 | QUALI-PRO LAMBDA GC-0 | 2.22 | 0.00 | 3 | Cyhalothrin, lambda | 2 | NO | NO |
| 279-3155 | TALSTAR NURSERY FLOWABLE INSECTICIDE/MITICI DE | 1.13 | 0.00 | 3 | Bifenthrin | 3 | YES | NO |
| 3125-452 | MARATHON 1% GRANULAR GREENHOUSE AND NURSERY INSECTICIDE | 0.11 | 0.00 | 3 | Imidacloprid | 3 | NO | NO |
| 68539-11 | MOLT-X | 0.00 | 0.00 | 3 | Azadirachtin | 3 | NO | NO |
| 66222-199 | QUALI-PRO IMIDACLOPRID 75 WSB | 0.00 | 14.41 | 3 | Imidacloprid | 3 | NO | NO |
| 86203-11 | SAFARI 20SG INSECTICIDE | 0.00 | 0.53 | 3 | Dinotefuran | 3 | NO | NO |
| 100-1498 | DUPONT ADVION ANT GEL | 0.00 | 0.02 | 3 | Indoxacarb | 3 | NO | NO |
| 1270-93 | ZEPOSECTOR INSECTICIDE SPRAY | 0.28 | 0.00 | 2 | Pyrethrins; Piperonyl butoxide; N-octyl bicycloheptene dicarboximide | 3 | YES | NO |
| 71711-4 | SEPRO AKARI 5SC MITICIDE/INSECTICI DE | 0.09 | 0.00 | 2 | Fenpyroximate | 2 | NO | NO |
| 499-437 | WHITMIRE PT 2120 TR PRECLUDE | 0.06 | 0.00 | 2 | Fenoxycarb | 3 | YES | NO |
| 432-1308 | DYLOX 6.2 GRANULAR INSECTICIDE | 0.00 | 2,020.00 | 2 | Trichlorfon | 3 | YES | NO |
| 432-1318 | MERIT 75 WSP | 0.00 | 26.18 | 2 | Imidacloprid | 3 | NO | NO |
| 6218-47 | ANTI-MOS BRIQUETS | 0.00 | 9.60 | 2 | Bacillus thuringiensis subspecies Israelensis strain BMP 144 | 3 | NO | NO |
| 81880-5 | SANMITE MITICIDE/INSECTICI DE | 0.00 | 0.25 | 2 | Pyridaben | 2 | NO | NO |
| 432-1460 | MAXFORCE FC ROACH KILLER BAIT GEL F.05 | 0.00 | 0.19 | 2 | Fipronil | 3 | YES | NO |
| 432-1506 | MAXFORCE QUANTUM ANT BAIT | 0.00 | 0.05 | 2 | 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 |
|-------------------|---|---------------|--------------|-------------|--|-------------|------------|---------------|
| 499-496 | PRESCRIPTION TREATMENT BRAND ADVANCE 360A DUAL CHOICE ANT BAIT STATIONS | 0.00 | 0.05 | 2 | Avermectin | 3 | NO | NO |
| 264-349 | CLEAN CROP SEVIN BRAND 4F CARBARYL INSECTICIDE | 4.00 | 0.00 | 1 | Carbaryl | 3 | NO | NO |
| 228-625 | NUFARM CHLORPYRIFOS SPC 2 INSECTICIDE | 1.50 | 0.00 | 1 | Chlorpyrifos | 2 | NO | NO |
| 66222-19 | CHLORPYRIFOS 4E AG | 1.00 | 0.00 | 1 | Chlorpyrifos | 2 | NO | NO |
| 397-13 | STERI-FAB | 1.00 | 0.00 | 1 | Phenothrin; Isopropyl alcohol; Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride; Didecyl dimethyl ammonium chloride | 2 | NO | NO |
| 228-708 | NUFARM LAMBDA-CYHALOTHRIN 1 EC INSECTICIDE | 0.63 | 0.00 | 1 | Cyhalothrin, lambda | 2 | NO | NO |
| 66222-192 | QUALI-PRO BIFENTHRIN GOLF & NURSERY 7 9F | 0.56 | 0.00 | 1 | Bifenthrin | 3 | YES | NO |
| 499-472 | PRESCRIPTION TREATMENT BRAND ATTAIN TR MICRO TOTAL RELEASE INSECTICIDE | 0.06 | 0.00 | 1 | Bifenthrin | 2 | YES | NO |
| 10163-324 | M-PEDE INSECTICIDE/FUNGI CIDE | 0.04 | 0.00 | 1 | Potassium laurate | 2 | NO | NO |
| 432-1318 | PROKOZ MERIT 75 WSP | 0.00 | 5.40 | 1 | Imidacloprid | 3 | NO | NO |
| 64405-2 | TERRO SLUG & SNAIL BAIT | 0.00 | 0.06 | 1 | Boric acid | 3 | NO | NO |
| 499-410 | AVERT PRESCRIPTION TREATMENT TC 93B BAIT | 0.00 | 0.04 | 1 | Avermectin | 3 | NO | NO |
| 432-1260 | MAXFORCE ANT BAIT F3 | 0.00 | 0.02 | 1 | Fipronil | 3 | YES | NO |
| Herbicides | | | | | | | | |
| 524-579 | ROUNDUP PROMAX | 243.73 | 2.65 | 1,226 | Glyphosate, potassium salt | 3 | NO | NO |
| 62719-556 | ACCORD XRT II | 337.33 | 0.00 | 338 | Glyphosate, dimethylammonium salt | 3 | NO | NO |
| 62719-527 | GARLON 4 ULTRA | 56.40 | 0.00 | 253 | Triclopyr | 2 | NO | NO |
| 62719-324 | GLYPRO | 39.93 | 0.00 | 103 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 524-475 | ROUNDUP ULTRA HERBICIDE | 62.75 | 0.00 | 99 | 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 |
|------------|---|---------------|--------------|-------------|---|-------------|------------|---------------|
| 100-937 | PRIMO MAXX | 55.56 | 0.00 | 63 | Trinexapac-ethyl | 3 | NO | NO |
| 62719-517 | ACCORD XRT | 7.36 | 0.00 | 57 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 62719-176 | PATHFINDER II | 102.77 | 0.00 | 54 | Triclopyr, butoxyethyl ester | 3 | NO | NO |
| 71995-25 | ROUNDUP WEED & GRASS KILLER SUPER CONCENTRATE | 26.70 | 0.00 | 40 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 62719-40 | GARLON 4 | 11.99 | 0.00 | 29 | Triclopyr, butoxyethyl ester | 3 | NO | NO |
| 432-950 | ACCLAIM EXTRA HERBICIDE | 2.05 | 0.00 | 27 | Fenoxaprop-P (+) | 3 | NO | NO |
| 72112-4 | GLYPHOSATE PRO 4TM | 3.40 | 0.00 | 20 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 62719-542 | DIMENSION 2EW | 19.31 | 0.00 | 15 | Dithiopyr | 2 | NO | NO |
| 62719-258 | TURFLON ESTER | 3.49 | 0.00 | 13 | Triclopyr, butoxyethyl ester | 3 | NO | NO |
| 79676-24 | LESCO REG/MAX PGR PLANT GROWTH REGULATOR | 1.67 | 0.00 | 11 | Trinexapac-ethyl | 3 | NO | NO |
| 100-1267 | TENACITY | 0.13 | 0.00 | 10 | Mesotrione | 3 | NO | NO |
| 66222-212 | QUALI-PRO T-NEX 1 AQ | 24.66 | 0.00 | 9 | Trinexapac-ethyl | 3 | NO | NO |
| 62719-305 | LONTREL TURF AND ORNAMENTAL | 2.21 | 0.00 | 9 | Clopyralid | 3 | NO | NO |
| 34704-890 | AFG PLUS | 6.54 | 0.00 | 8 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 51036-289 | STERLING | 8.43 | 0.00 | 7 | Dicamba, dimethylamine salt | 2 | NO | NO |
| 62719-445 | DIMENSION* ULTRA 40WP | 0.39 | 91.23 | 7 | Dithiopyr | 3 | NO | NO |
| 66222-213 | QUALI-PRO DITHIOPYR 40 WSB | 0.00 | 29.69 | 7 | Dithiopyr | 3 | NO | NO |
| 228-702 | NUFARM PROSEDGE SELECTIVE HERBICIDE | 0.00 | 2.25 | 7 | Halosulfuron-methyl | 3 | NO | NO |
| 10404-44 | LESCO THREE-WAY BENTGRASS SELECTIVE HERBICIDE | 11.53 | 0.00 | 6 | 2,4-D, dimethylamine salt; Dicamba, dimethylamine salt; MCP-P, dimethylamine salt | 3 | NO | NO |
| 100-1014 | PACLOBUTRAZOL 2SC | 3.91 | 0.00 | 4 | Paclobutrazol | 3 | NO | NO |
| 66222-176 | GLYPHOGAN PLUS HERBICIDE | 2.22 | 0.00 | 4 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 62719-322 | PROKOZ GLYPHOSATE PRO | 0.30 | 0.00 | 4 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 524-475 | ROUNDUP ULTRA | 0.02 | 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 |
|------------|---|---------------|--------------|-------------|--|-------------|------------|---------------|
| 2217-833 | SPEED ZONE BROADLEAF HERBICIDE | 6.63 | 0.00 | 3 | 2,4-D, 2-ethylhexyl ester; Carfentrazone-ethyl; Dicamba; Mecroprop-p | 3 | YES | NO |
| 2217-759 | EMBARK 2-S PLANT GROWTH REGULATOR | 3.97 | 0.00 | 3 | Mefluidide, diethanolamine salt | 3 | NO | NO |
| 5905-537 | PRO-MATE DIMENSION 0.10% PLUS FERTILIZER | 0.00 | 1,500.00 | 3 | Dithiopyr | 3 | NO | NO |
| 62719-504 | SIGNATURE DIMENSION 0.15 PLUS FERTILIZER | 0.00 | 1,400.00 | 3 | Dithiopyr | 3 | NO | NO |
| 264-267 | PROXY | 26.92 | 0.00 | 2 | Ethephon | 1 | NO | NO |
| 432-1230 | PROXY GROWTH REGULATOR | 15.00 | 0.00 | 2 | Ethephon | 1 | NO | NO |
| 2217-930 | EH-1471 HERBICIDE | 6.00 | 3.75 | 2 | 2,4-D, dimethylamine salt; Sulfentrazone; Dicamba, dimethylamine salt; Quinclorac | 3 | NO | NO |
| 2217-543 | TRIMEC HERBICIDE | 2.53 | 0.00 | 2 | 2,4-D, dimethylamine salt; MCP-P, dimethylamine salt; Dicamba, dimethylamine salt | 1 | NO | NO |
| 86064-3 | ARMOR TECH PGR 113 MC | 0.17 | 0.00 | 2 | Trinexapac-ethyl | 3 | NO | NO |
| 7969-272 | DRIVE XLR8 HERBICIDE | 0.17 | 0.00 | 2 | Quinclorac | 3 | NO | NO |
| 10163-325 | SCYTHE HERBICIDE | 0.09 | 0.00 | 2 | Nonanoic acid | 2 | NO | NO |
| 60063-28 | GREENYARD CRABGRASS PREVENTER WITH 0.75% PRODIAMINE | 0.00 | 4,000.00 | 2 | Prodiamine | 3 | YES | NO |
| 228-711 | NUFARM PROSEGE SELECTIVE HERBICIDE2 | 0.00 | 0.09 | 2 | Halosulfuron-methyl | 3 | NO | NO |
| 2217-696 | BETAMEC 4 PRE-EMERGENCE GRASS KILLER | 15.00 | 0.00 | 1 | Bensulide | 3 | NO | NO |
| 228-366 | RAZOR HERBICIDE | 3.05 | 0.00 | 1 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 51036-329 | LESCO T-STORM FLOWABLE | 2.50 | 0.00 | 1 | Thiophanate-methyl | 3 | NO | NO |
| 228-453 | BATTLESHIP 3 | 2.50 | 0.00 | 1 | MCPA, dimethylamine salt; Triclopyr, triethylamine salt; Fluroxypyr 1-methylheptyl ester | 1 | NO | NO |
| 228-619 | NUFARM SETHOXYDIM SPC HERBICIDE | 1.88 | 0.00 | 1 | Sethoxydim | 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 |
|-------------------|--|---------------|--------------|-------------|---|-------------|------------|---------------|
| 228-264 | RIVERDALE TRIPLET SELECTIVE HERBICIDE | 1.22 | 0.00 | 1 | 2,4-D, dimethylamine salt; Dicamba, dimethylamine salt; Mecroprop-p | 1 | YES | NO |
| 66330-276 | DICAMBA DMA 4# AG | 0.88 | 0.00 | 1 | Dicamba, dimethylamine salt | 2 | NO | NO |
| 10404-43 | LESCO THREE-WAY SELECTIVE HERBICIDE | 0.44 | 0.00 | 1 | 2,4-D, dimethylamine salt; Dicamba, dimethylamine salt; MCP-P, dimethylamine salt | 1 | NO | NO |
| 228-317 | COOL POWER SELECTIVE HERBICIDE | 0.09 | 0.00 | 1 | Dicamba; MCPA, 2-ethyl hexyl ester; Triclopyr, butoxyethyl ester | 3 | NO | NO |
| 279-3265 | F8426 HERBICIDE | 0.06 | 0.00 | 1 | Carfentrazone-ethyl | 3 | NO | NO |
| 62719-324 | AQUAPRO | 0.05 | 0.00 | 1 | Glyphosate, isopropylamine salt | 3 | NO | NO |
| 264-263 | FLOREL BRAND ETHEPHON PLANT GROWTH REGULATOR | 0.00 | 0.00 | 1 | Ethephon | 3 | NO | NO |
| 53883-213 | FERTILIZER WITH 0.1% DITHIOPYR HERBICIDE | 0.00 | 4,000.00 | 1 | Dithiopyr | 3 | NO | NO |
| 9198-176 | ANDERSON'S GOOSE/CRABGRASS CONTROL | 0.00 | 400.00 | 1 | Bensulide; Oxadiazon | 2 | YES | YES |
| 538-60 | STARTER FERTILIZER WITH CRABGRASS PREVENTER | 0.00 | 111.10 | 1 | Siduron | 3 | NO | NO |
| 279-3419 | F7275 70 WG HERBICIDE | 0.00 | 25.00 | 1 | Carfentrazone-ethyl; Quinclorac | 3 | NO | NO |
| 81880-1 | SEDGEHAMMER | 0.00 | 0.01 | 1 | Halosulfuron-methyl | 3 | NO | NO |
| Fungicides | | | | | | | | |
| 100-1364 | DACONIL ACTION | 489.41 | 0.00 | 86 | Acibenzolar-S-methyl; Chlorothalonil | 2 | YES | NO |
| 71065-3 | COMPANION LIQUID BIOLOGICAL FUNGICIDE | 304.50 | 0.00 | 54 | Bacillus subtilis GBO3 | 3 | NO | NO |
| 100-1093 | HERITAGE FUNGICIDE | 0.00 | 90.84 | 37 | Azoxystrobin | 3 | NO | NO |
| 79676-17 | LESCO TWOSOME FUNGICIDE | 121.51 | 0.00 | 36 | Iprodione; Thiophanate-methyl | 3 | NO | NO |
| 7969-290 | INSIGNIA SC INTRINSIC BRAND FUNGICIDE | 23.70 | 0.00 | 34 | Pyraclostrobin | 2 | NO | NO |
| 432-1445 | BAYLETON FLO TURF AND ORNAMENTAL FUNGICIDE | 44.18 | 0.00 | 33 | Triadimefon | 3 | YES | YES |

| EPA Reg. # | EPA Product Name | Volume (Gals) | Weight (Lbs) | No. Appl's. | Active Ingredient(s) | EPA Tox Cat | EPA Carcin | CA Dev. Toxin |
|------------|--|---------------|--------------|-------------|--|-------------|------------|---------------|
| 55260-9 | PROPLANT TURF AND ORNAMENTAL FUNGICIDE | 72.76 | 10.00 | 27 | Propamocarb hydrochloride | 3 | NO | NO |
| 70299-1 | ZEROTOL ALGAECIDE/FUNGICIDE | 83.03 | 0.00 | 23 | Hydrogen peroxide | 1 | NO | NO |
| 70127-2 | NOVOZYMES BIOFUNGICIDE GREEN RELEAF 710-140 | 101.00 | 0.00 | 22 | Bacillus licheniformis SB3086; IBA | 3 | NO | NO |
| 432-942 | BANOL TURF AND ORNAMENTAL FUNGICIDE | 47.00 | 0.00 | 21 | Propamocarb hydrochloride | 3 | NO | NO |
| 432-890 | ALIETTE WDG BRAND FUNGICIDE | 0.00 | 624.30 | 21 | Fosetyl-Al | 3 | NO | NO |
| 66222-149 | ARMOR TECH CLT 825 | 24.00 | 1,373.75 | 19 | Chlorothalonil | 2 | YES | NO |
| 69361-27 | TEBUCONAZOLE 3.6F FUNGICIDE | 28.34 | 0.00 | 17 | Tebuconazole | 3 | YES | NO |
| 50534-202 | MANICURE ULTREX TURF & ORNAMENTAL | 0.00 | 476.71 | 13 | Chlorothalonil | 1 | YES | NO |
| 60063-3 | CHLOROSTAR SD TURF AND ORNAMENTAL FUNGICIDE | 0.00 | 235.00 | 13 | Chlorothalonil | 2 | YES | NO |
| 264-1155 | RHAPSODY AS0 | 64.00 | 0.00 | 12 | QST 713 strain of dried Bacillus subtilis | 3 | NO | NO |
| 86064-4 | ARMOR TECH PPZ 143 MC | 28.39 | 0.00 | 12 | Propiconazole | 2 | YES | NO |
| 67702-2 | CAMELOT O FUNGICIDE/BACTERICIDE | 22.75 | 0.00 | 12 | Copper octanoate | 3 | NO | NO |
| 7969-224 | CURALAN EG | 0.00 | 462.66 | 11 | Vinclozolin | 3 | YES | YES |
| 66222-154 | QUALI-PRO CHLOROTHALONIL 720 SFT | 120.07 | 0.00 | 10 | Chlorothalonil | 2 | YES | NO |
| 100-796 | SUBDUE MAXX | 15.89 | 0.00 | 10 | Mefenoxam | 3 | NO | NO |
| 70299-6 | GREENCLEAN PRO GRANULAR ALGAECIDE/FUNGICIDE | 0.00 | 740.00 | 10 | Sodium percarbonate | 1 | NO | NO |
| 9198-115 | THE ANDERSONS TURF FUNGICIDE WITH 5.0% DACONIL | 0.00 | 3,986.00 | 9 | Chlorothalonil | 1 | YES | NO |
| 73314-2 | ACTINO-IRON BIOLOGICAL FUNGICIDE | 0.00 | 29.25 | 8 | Streptomyces lydicus WYEC 108 | 3 | NO | NO |
| 68539-3 | T-22G BIOLOGICAL PLANT PROTECTANT GRANULES | 0.00 | 29.25 | 8 | Trichoderma harzianum rifai strain KRL-AG2 | 3 | NO | NO |
| 66222-161 | QUALI-PRO FOSETYL -AL 80 WDG | 0.00 | 6.43 | 8 | Fosetyl-Al | 3 | NO | NO |
| 66222-41 | PRIMEERAONE PROPICONAZOLA 14.3 | 9.45 | 0.00 | 7 | Propiconazole | 2 | YES | NO |
| 70299-12 | ZEROTOL 2.0 | 4.13 | 0.00 | 7 | Peroxyacetic acid; 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 |
|------------|--|---------------|--------------|-------------|--|-------------|------------|---------------|
| 66222-41 | QUALI-PRO PROPICONAZOLE 14.3 | 39.94 | 0.00 | 6 | Propiconazole | 2 | YES | NO |
| 66222-117 | ORIOUS 3.6F | 21.28 | 0.00 | 6 | Tebuconazole | 3 | YES | NO |
| 432-1505 | CHIPCO 26019T FUNGICIDE | 13.93 | 0.00 | 6 | Iprodione; Trifloxystrobin | 3 | YES | NO |
| 66222-216 | QUALI-PRO MEFENOXAM 2AQ | 2.17 | 0.00 | 6 | Mefenoxam | 2 | NO | NO |
| 70644-1 | NUTROL | 0.00 | 398.00 | 6 | Phosphoric acid, monopotassium salt | 3 | NO | NO |
| 100-794 | SUBDUE GR | 0.00 | 126.00 | 6 | Mefenoxam | 3 | NO | NO |
| 432-1360 | BAYLETON 50 TURF AND ORNAMENTAL FUNGICIDE IN WATER | 0.00 | 38.84 | 6 | Triadimefon | 3 | YES | YES |
| 70870-1 | MILSTOP BROAD SPECTRUM FOLIAR FUNGICIDE | 0.00 | 4.94 | 6 | Potassium bicarbonate | 3 | NO | NO |
| 86064-2 | ARMOR TECH CLT 720 FL | 50.00 | 0.00 | 5 | Chlorothalonil | 2 | YES | NO |
| 66222-134 | THIOPHANATE METHYL 4.5 F | 31.25 | 0.00 | 5 | Thiophanate-methyl | 3 | YES | YES |
| 84059-3 | REGALIA PTO BIOFUNGICIDE FOR USE ON TURF AND ORNAMENTALS | 28.00 | 0.00 | 5 | Reynoutria sachalinensis | 3 | NO | NO |
| 100-1326 | BANNER MAXX II | 23.00 | 0.00 | 5 | Propiconazole | 3 | YES | NO |
| 432-1446 | TARTAN FLO FUNGICIDE | 8.32 | 0.00 | 5 | Triadimefon; Trifloxystrobin | 3 | YES | YES |
| 69592-19 | CEASE | 7.75 | 0.00 | 5 | QST 713 strain of dried Bacillus subtilis | 3 | NO | NO |
| 68173-3 | AFFIRM WDG | 0.00 | 26.42 | 5 | Polyoxin D zinc salt | 3 | NO | NO |
| 432-1223 | PROSTAR 70 WP | 0.00 | 13.00 | 5 | Flutolanil | 3 | NO | NO |
| 100-769 | MEDALLION FUNGICIDE | 0.00 | 0.50 | 5 | Fludioxonil | 3 | NO | NO |
| 228-684 | NUFARM IPRODIONE SPC FUNGICIDE | 27.50 | 0.00 | 4 | Iprodione | 3 | YES | NO |
| 432-888 | CHIPCO 26019 FLO BRAND FUNGICIDE | 21.00 | 0.00 | 4 | Iprodione | 3 | YES | NO |
| 432-888 | SEXTANT FUNGICIDE | 17.50 | 0.00 | 4 | Iprodione | 3 | YES | NO |
| 62719-388 | FORE 80WP RAINSHIELD | 0.00 | 123.50 | 4 | Mancozeb | 3 | YES | NO |
| 60063-3 | LESCO MANICURE ULTRA | 0.00 | 80.00 | 4 | Chlorothalonil | 2 | YES | NO |
| 432-1371 | COMPASS | 0.00 | 12.80 | 4 | Trifloxystrobin | 3 | NO | NO |
| 100-1433 | BRISKWAY | 72.94 | 0.00 | 3 | Azoxystrobin; Difenoconazole | 3 | YES | NO |
| 432-1486 | RESERVE FUNGICIDE | 49.94 | 0.00 | 3 | Chlorothalonil; Triticonazole | 2 | YES | NO |
| 100-1451 | APPEAR | 40.00 | 0.00 | 3 | Mono- and di-potassium salts of phosphorous acid | 3 | NO | NO |
| 100-1347 | CONCERT II | 30.00 | 0.00 | 3 | Propiconazole | 1 | YES | NO |
| 83851-9 | AMTIDE TEBU 3.6F FOLIAR FUNGICIDE | 10.51 | 0.00 | 3 | Tebuconazole | 3 | YES | NO |
| 100-741 | ALAMO FUNGICIDE | 4.27 | 0.00 | 3 | Propiconazole | 2 | YES | NO |

| EPA Reg. # | EPA Product Name | Volume (Gals) | Weight (Lbs) | No. Appl's. | Active Ingredient(s) | EPA Tox Cat | EPA Carcin | CA Dev. Toxin |
|------------|--|---------------|--------------|-------------|--|-------------|------------|---------------|
| 100-892 | ARBOTECT 20-S FUNGICIDE | 3.31 | 0.00 | 3 | Thiabendazole | 3 | NO | NO |
| 59639-143 | V-10162 VPP FUNGICIDE | 2.44 | 0.00 | 3 | Fluopicolide | 3 | NO | NO |
| 71512-13 | SEGWAY FUNGICIDE | 0.91 | 0.00 | 3 | Cyazofamid | 3 | NO | NO |
| 400-521 | TERRAGUARD SC | 0.04 | 0.00 | 3 | Triflumizole | 3 | NO | NO |
| 59639-144 | V-10116 VPP FUNGICIDE | 0.00 | 46.30 | 3 | Metconazole | 3 | NO | NO |
| 7969-255 | HONOR FUNGICIDE | 0.00 | 39.75 | 3 | Nicobifen; Pyraclostrobin | 3 | YES | NO |
| 432-889 | CHIPCO 26019 FUNGICIDE | 38.59 | 0.00 | 2 | Iprodione | 3 | YES | NO |
| 1001-69 | LESCO CAVALIER FLOWABLE | 32.50 | 0.00 | 2 | Thiophanate-methyl | 3 | YES | YES |
| 83472-1 | DECCO FUNGI-PHITE PH | 32.00 | 0.00 | 2 | Mono- and di-potassium salts of phosphorous acid | 3 | NO | NO |
| 228-633 | NUFARM PROPICONAZOLE SPC EC FUNGICIDE | 5.20 | 0.00 | 2 | Propiconazole | 2 | YES | NO |
| 58185-33 | DOMAIN FL | 0.47 | 0.00 | 2 | Thiophanate-methyl | 3 | YES | YES |
| 67702-2 | BONIDE LIQUID COPPER FUNGICIDE CONCENTRATE | 0.13 | 0.00 | 2 | Copper octanoate | 3 | NO | NO |
| 62388-1 | NOGALL | 0.00 | 1.10 | 2 | Agrobacterium radiobacter strain K1026 | 3 | NO | NO |
| 58185-30 | FUNGO 50 WSB WETTABLE POWDER TURF & ORNAMENTAL SYS | 0.00 | 1.00 | 2 | Thiophanate-methyl | 3 | YES | YES |
| 5481-8992 | TURFCIDE 4F | 40.00 | 0.00 | 1 | PCNB | 3 | YES | NO |
| 66222-214 | QUALI-PRO IPRO 2SE | 35.00 | 0.00 | 1 | Iprodione | 3 | YES | NO |
| 50534-209 | MANICURE 6 FLOWABLE | 29.25 | 0.00 | 1 | Chlorothalonil | 3 | YES | NO |
| 464-693 | CHEMICAR 15 | 13.00 | 0.00 | 1 | Glutaraldehyde | 1 | NO | NO |
| 66330-305 | IPRODIONE PRO 25E FUNGICIDE | 5.00 | 0.00 | 1 | Iprodione | 3 | YES | NO |
| 60063-7 | LESCO MANICRUE 6FL | 5.00 | 0.00 | 1 | Chlorothalonil | 2 | YES | NO |
| 100-1216 | BANNER HERITAGE MAXX | 1.50 | 0.00 | 1 | Azoxystrobin; Propiconazole | 3 | YES | NO |
| 71962-1 | AGRI-FOS SYSTEMIC FUNGICIDE | 0.02 | 0.00 | 1 | Mono- and di-potassium salts of phosphorous acid | 3 | NO | NO |
| 9198-210 | ANDERSONS GOLF PRODUCTS FUNGICIDE X | 0.00 | 422.00 | 1 | Iprodione | 3 | YES | NO |
| 9198-204 | ANDERSONS GOLF PRODUCTS FUNGICIDE IX | 0.00 | 338.00 | 1 | Thiophanate-methyl; Chloroneb | 3 | YES | YES |
| 9198-187 | ANDERSONS GOLF PRODUCTS FUNGICIDE VII | 0.00 | 233.20 | 1 | Triadimefon | 3 | YES | YES |
| 100-794 | ANDERSONS GOLF PRODUCTS PYTHIUM CONTROL WITH MEFENOXAM | 0.00 | 150.00 | 1 | 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 |
|---|--|---------------|--------------|-------------|--|-------------|------------|---------------|
| 432-1477 | PROSTAR 70 WDG FUNGICIDE | 0.00 | 8.00 | 1 | Flutolanil | 3 | NO | NO |
| 66330-56 | VERANDA O | 0.00 | 4.80 | 1 | Polyoxin D zinc salt | 3 | NO | NO |
| 5905-541 | ARMICARB 100 | 0.00 | 2.50 | 1 | Potassium bicarbonate | 3 | NO | NO |
| Other (Repellents, Biochemical Pesticides, Etc.) | | | | | | | | |
| 60061-71 | PETTIT MARINE PAINT PREMIUM SINGLE SEASON ABLATIVE | 23.00 | 0.00 | 16 | Copper oxide (ous) | 2 | NO | NO |
| 71096-7 | ORTHO BUG-GETA SNAIL & SLUG KILLER 1 | 0.00 | 8.00 | 10 | Metaldehyde | 3 | NO | NO |
| 59807-4 | HORMODIN 1 | 0.00 | 0.31 | 7 | IBA | 3 | NO | NO |
| 73049-15 | PROGIBB 4% PLANT GROWTH REGULATOR SOLUTION | 0.00 | 0.00 | 4 | Gibberellins | 2 | NO | NO |
| 499-368 | WHITMIRE PT 2000 GREEN-SHIELD HORTICULTURAL ALGICIDE, DISINFECTANT | 0.08 | 0.00 | 2 | Alkyl (68%C12, 32%C14) dimethylethylbenzyl ammonium chloride; Alkyl* dimethyl benzyl ammonium chloride *(60%C14, 30%C16, 5%C18, 5%C12) | 1 | NO | NO |
| 1448-212 | CHEMICIDE 100-15 | 14.00 | 0.00 | 1 | Poly(oxyethylene) (dimethylimino) ethylene (dimethylimino) ethylene dichloride | 3 | NO | NO |
| 2217-768 | EMBARK E-Z-TU-USE PLANT GROWTH REGULATOR | 0.75 | 0.00 | 1 | Mefluidide, diethanolamine salt | 3 | NO | NO |
| 73049-67 | DITERA DF BIOLOGICAL NEMATICIDE | 0.00 | 1.00 | 1 | Myrothecium verrucaria, dried fermentation solids & solubles | 3 | NO | NO |

APPENDIX 3: Complete Listing of “Best Management Practices” Insecticide Used Citywide in 2013

| EPA Reg. # | EPA Prod Name | Volume in Gallons | Weight in Pounds | Total Applications | Active Ingredient Data |
|------------|---|-------------------|------------------|--------------------|--|
| 100-1484 | DUPONT ADVION COCKROACH GEL BAIT | 0.00 | 167.37 | 4,717 | Indoxacarb |
| 64405-2 | REDZONE BAIT | 0.40 | 782.12 | 3,054 | Boric acid |
| 432-1460 | MAXFORCE FC ROACH KILLER BAIT GEL F.05 | 0.12 | 71.77 | 2,122 | Fipronil |
| 73049-429 | VECTOMAX FG | 0.00 | 644.70 | 2,091 | Bacillus sphaericus; Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52 |
| 432-1259 | PRODUCT: RBF5 | 0.86 | 92.13 | 1,915 | Fipronil |
| 432-1257 | MAXFORCE ROACH BAIT F.05 | 0.00 | 73.55 | 1,814 | Fipronil |
| 73049-20 | VECTOLEX CG BIOLOGICAL LARVICIDE | 1.33 | 31252.42 | 1,129 | Bacillus sphaericus |
| 67425-14 | ECOPCO ACU | 54.95 | 5.70 | 1,067 | Phenylethyl propionate |
| 279-3384 | ROACH KIL COMMERCIAL | 0.00 | 387.19 | 1,023 | Boric acid |
| 73766-1 | GOURMET ANT BAIT GEL | 1.06 | 19.28 | 960 | Disodium octaborate tetrahydrate |
| 100-1498 | DUPONT ADVION ANT GEL | 0.59 | 57.75 | 921 | Indoxacarb |
| 64405-2 | ECOLOGICAL ANT & INSECT BAIT | 0.00 | 55.74 | 394 | Boric acid |
| 499-406 | AVERT PRESCRIPTION TREATMENT TC 93A BAIT | 0.00 | 9.64 | 264 | Avermectin |
| 100-1488 | DUPONT ADVION MT FIRE ANT BAIT | 0.00 | 25.08 | 256 | Indoxacarb |
| 432-1264 | MAXFORCE FC ANT KILLER BAIT GEL | 0.19 | 6.01 | 133 | Fipronil |
| 73079-2 | INTICE GRANULAR BAIT | 0.25 | 8.36 | 118 | Boric acid |
| 1021-1828 | MGK ROACH BAIT 2822 | 0.00 | 3.54 | 103 | Avermectin |
| 241-313 | SIEGE PBS GEL INSECTICIDE | 0.00 | 110.54 | 95 | Hydramethylnon |
| 432-1262 | MAXFORCE IBH10 | 1.38 | 10.06 | 91 | Hydramethylnon |
| 64405-8 | NIBOR BORATE INSECTICIDE AND FUNGICIDE | 0.00 | 92.93 | 90 | Disodium octaborate tetrahydrate |
| 1021-1603 | NYLAR 10EC | 84.95 | 0.00 | 77 | Pyriproxyfen |
| 499-410 | AVERT PRESCRIPTION TREATMENT TC 93B BAIT | 0.00 | 3.68 | 63 | Avermectin |
| 73079-4 | BORACTIN INSECTICIDE POWDER | 0.00 | 5.33 | 39 | Boric acid |
| 1677-196 | ECO 2000-XP FRESHBAIT | 0.00 | 4.59 | 33 | Boric acid |
| 6218-47 | SUMMIT B.T.I. BRIQUETS | 0.00 | 21.12 | 32 | Bacillus thuringiensis subspecies Israelensis strain BMP 144 |
| 1677-195 | ECO2000-RX FRESHBAIT | 0.00 | 5.13 | 30 | Boric acid |
| 73049-19 | VECTOBAC CG BIOLOGICAL LARVICIDE GRANULES | 0.00 | 13600.57 | 25 | Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52 |
| 499-370 | JOHNSON WAX PROFESSIONAL BRAND GRANULAR ANT BAIT | 0.07 | 7.31 | 21 | Avermectin |
| 432-1254 | MAXFORCE PROFESSIONAL INSECT CONTROL ROACH KILLER | 30.01 | 7.25 | 19 | Hydramethylnon |
| 432-1256 | MAXFORCE FC ANT BAIT STATIONS | 15.38 | 0.23 | 18 | Fipronil |

| | | | | | |
|-----------|--|------|-------|----|---|
| 48813-1 | SUFFOIL-X | 5.28 | 0.00 | 18 | Petroleum distillates |
| 432-1375 | PRE-EMPT FLY BAIT | 0.00 | 0.26 | 18 | Imidacloprid; (Z)-9-Tricosene |
| 73049-10 | VECTOBAC G BIOLOGICAL LARVICIDE GRANULES | 1.25 | 76.00 | 13 | Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52 |
| 59639-96 | DISTANCE INSECT GROWTH REGULATOR | 0.44 | 0.00 | 13 | Pyriproxyfen |
| 62719-291 | CONSERVE SC TURF AND ORNAMENTAL | 7.73 | 0.00 | 11 | Spinosad |
| 73049-39 | DIPEL DF DRY FLOWABLE BIOLOGICAL INSECTICIDE | 0.01 | 0.17 | 10 | Bacillus thuringiensis, subsp. Kurstaki, strain ABTS-351, fermentation solids and solubles |
| 432-1455 | BES 0026 FLY SPOT BAIT | 0.00 | 1.00 | 9 | Imidacloprid; (Z)-9-Tricosene |
| 70051-2 | TRIACT 70 | 4.36 | 0.00 | 8 | Neem oil |
| 499-515 | MOTHEREARTH GRANULAR SCATTER BAIT | 0.23 | 0.00 | 8 | Boric acid |
| 2724-446 | ZOECON RF-437 MOSQUITO GROWTH REGULATOR SR-20 | 0.00 | 24.00 | 6 | S-Methoprene |
| 432-1252 | MAXFORCE PROFESSIONAL INSECT CONTROL ANT KILLER BA | 0.00 | 0.33 | 6 | Hydramethylnon |
| 67425-14 | ECOPCO ACU CONTACT INSECTICIDE | 0.93 | 0.00 | 5 | Phenylethyl propionate |
| 73766-1 | ADIOS ANT KILLER GEL | 0.06 | 0.00 | 5 | Disodium octaborate tetrahydrate |
| 62637-3 | ACROBE MOSQUITO BIOLARVICIDE GRANULE | 0.00 | 56.31 | 5 | Bacillus thuringiensis subspecies Israelensis strain BMP 144 |
| 2724-375 | ALTOSID BRIQUETS | 0.00 | 37.26 | 5 | S-Methoprene |
| 73049-38 | VECTOBAC 12AS BIOLOGICAL LARVICIDE | 1.06 | 1.00 | 4 | Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52 |
| 3095-47 | PIC LIQUID ANT BAIT KILLER | 0.01 | 0.00 | 4 | Sodium tetraborate (pentahydrate) |
| 100-1486 | DUPONT ADVION COCKROACH BAIT ARENA | 0.00 | 0.12 | 4 | Indoxacarb |
| 100-1501 | DUPONT ARILON INSECTICIDE | 7.00 | 0.00 | 3 | Indoxacarb |
| 6218-47 | ANTI-MOS BRIQUETS | 0.00 | 11.32 | 3 | Bacillus thuringiensis subspecies Israelensis strain BMP 144 |
| 64405-1 | BORA-CARE | 1.00 | 0.00 | 2 | Disodium octaborate tetrahydrate |
| 67425-4 | ECOPCO AC CONTACT INSECTICIDE | 0.09 | 0.00 | 2 | Phenylethyl propionate |
| 279-3385 | DRAX ANT KILL GEL | 0.08 | 0.07 | 2 | Boric acid |
| 432-1255 | MAXFORCE GRANULAR INSECT BAIT | 0.03 | 0.00 | 2 | Hydramethylnon |
| 73049-20 | DIONNE LARVA HALT II WSP MOSQUITO CONTROL | 0.00 | 0.28 | 2 | Bacillus sphaericus 2362, serotype H5a5b, strain ABTS 1743 solids, spores and insecticidal toxins (See also PC Code 119801) |
| 100-1485 | DUPONT ADVION ANT BAIT ARENA | 0.00 | 0.07 | 2 | Indoxacarb |
| 432-1506 | MAXFORCE QUANTUM ANT BAIT | 0.00 | 0.05 | 2 | Imidacloprid |
| 56-73 | EATON'S ANSWER BORIC ACID INSECTICIDAL DUST | 0.00 | 0.03 | 2 | Boric acid |
| 10163-324 | M-PEDE INSECTICIDE/FUNGICIDE | 0.04 | 0.00 | 1 | Potassium laurate |
| 73766-1 | ADIOS ANT & ROACH KILLER IN A GEL | 0.01 | 0.00 | 1 | Disodium octaborate tetrahydrate |
| 53871-5 | FERMONE BT FLOWABLE | 0.00 | 1.00 | 1 | Bacillus thuringiensis |

| CONCENTRATE | | | | | var. Kurstaki/Aizawai |
|-------------|--|------|------|---|------------------------------------|
| 499-527 | PRESCRIPTION TREATMENT BRAND ALPINE DUST INSECTICIDE | 0.00 | 0.63 | 1 | Dinotefuran; Diatomaceous earth |
| 1677-191 | ECO2000-GR | 0.00 | 0.38 | 1 | Boric acid |
| 432-1258 | MAXFORCE LARGE ROACH BAIT F.03 | 0.00 | 0.07 | 1 | Fipronil |
| 64405-2 | TERRO SLUG & SNAIL BAIT | 0.00 | 0.06 | 1 | Boric acid |
| 432-1260 | MAXFORCE ANT BAIT F3 | 0.00 | 0.02 | 1 | Fipronil |