



Pesticide Use by New York City Agencies in 2024

New York City Department of Health and Mental Hygiene
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EXECUTIVE SUMMARY

Local Law 54 of 2007 requires the New York City Department of Health and Mental Hygiene (The Health Department) to summarize pesticide use by City agencies annually. New York City agencies account for a small fraction of all pesticides used in the city. New York State receives pesticide use data from all commercial applicators. New York City agencies' use in 2022 (the last year for which New York State data has been processed) accounted for an estimated 5% of the total volume of liquid pesticides, and 18% of the total pounds of solid pesticides applied within the five boroughs of New York City, after excluding mosquito larvicide applications.

In 2024, 35 municipal agencies reported their pesticide use to the Health Department. This report summarizes pesticides applied by or on behalf of agencies on city-owned or -leased property.

Key findings:

- Pesticides were applied 843,418 times by New York City agencies in 2024. Agencies used 20,134 gallons and 195,063 pounds of products (Table 1). There was an increase in number of applications from 2023, due to a change in reporting larviciding by individual catch basin. There was a decrease in pesticide use by volume, driven by a decline in use of CO₂ rodenticide gas and liquid insecticides.
- The Health Department conducts larviciding to prevent spread of West Nile Virus and other mosquito-borne diseases. With the increase in the reporting of individual larvicide applications in catch basins, mosquitos moved to the most targeted pest in 2024, followed by cockroaches and rats, based on total number of applications (Table 3).
- Most liquid or gas pesticide products (69% by volume) and solid products (52% by weight) used by city agencies were rodenticides and insecticides, respectively (Table 1). After excluding larvicides (31% of all solid products), rodenticides make up the highest percentage of solid pesticide products used (47% by weight).
- Insecticides
 - Insecticides were the most frequently applied type of pesticide, accounting for 83% of all applications (Table 1).
 - The volume of liquid insecticides decreased 32% in 2024, compared with 2023 (Figure 2).
 - Liquid pyrethroid products targeting cockroaches and bed bugs decreased 74% and 55%, respectively, from 2023 to 2024, continuing a downward trend (Figure 6).
 - A sharp increase (64%) in the number of mosquito larvicide applications was associated with a 21% increase in use of these products by weight, compared with 2023.
 - “Best Management Practices” (BMP) insecticide products (Appendix 3) include gel and bait insecticides with little potential for human exposure. Use reported by weight was 1.4 times higher in 2024 than 2023 and made up 75% of insecticide applications by weight after excluding larvicides. Applications to treat cockroaches

increased 1.4 times by weight from 2023 to 2024 due to an increase in the use of insect growth regulator (IGR) bait stations, other baits and gels (Figure 4).

- Herbicides
 - Liquid herbicide product use increased only 2% in 2024 (Figure 2) (1,288 to 1318 gallons). Glyphosate use reported by volume was 99% lower than in 2012 (Figure 3). The Parks Department has phased out use of glyphosate products in areas of parks accessible to the public as required by 2021 amendments to Local Law 37.
 - The use of solid herbicide products in 2024 decreased 13% from 2023. The use of outdoor granular turf formulations – mainly on golf courses and large institutional lawns – continued at higher levels compared to earlier years.
 - The Parks department has mostly eliminated the use of synthetic herbicides, except for treatments of dangerous or invasive plants, as required by 2021 amendments to Local Law 37.
- Rodenticides
 - Use of solid rodenticide products decreased 21% by weight from 2023 (Figure 1). The Health Department calibrates rodenticide applications based on findings from neighborhood rat ‘indexing.’

Pesticide Use by New York City Agencies in 2024

I. BACKGROUND

When Local Law 37 was enacted on May 9, 2005, New York City (NYC) 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 for pesticide use on property owned or leased by the City, including the prohibition of certain products, posting of warning notices prior to pesticide use, and the requirement that agencies report their pesticide use annually.

With the enactment of Local Law 37, prohibitions of 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. By May 2006, use of pesticides classified by the EPA as of July 19, 2004, as possible, probable, or known human carcinogens was prohibited. Finally, by November 2006, use of pesticides classified by the State of California’s Office of Environmental Health Hazard Assessment as developmental toxicants as of March 4, 2005, was prohibited. In May 2021 the law was further amended to include prohibition of any additional chemicals added to the EPA and California lists since the original law. The legislation further amended the law to prohibit any chemicals listed as a carcinogen by the World Health Organization’s International Association for Research on Cancer (IARC) – including glyphosate, a commonly used herbicide listed as “probably carcinogenic to humans” – as of the date of the law’s passage. Additional prohibitions on use of synthetic pesticide chemicals in city parks went into effect in late 2022, eighteen months after the adoption of the amended law. The impact of the prohibitions in city parks is evident in this report.

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. Local Law 37 also empowered the New York City Department of Health and Mental Hygiene (The Health Department) to consider and grant requests for waivers from prohibition on a case-by-case basis. The Health Department issues annual waivers from prohibition of insecticide gels containing the ingredients fipronil, hydramethylnon, and avermectin due to their effectiveness and low potential for human exposure. The Health Department maintains a webpage on Local Law 37 at <http://nyc.gov/health/ll37> that includes a list of all waivers granted to agencies, as well as the original waiver applications.

In October 2007, New York City enacted Local Law 54, which requires the Health Department to issue an agency pesticide use summary report to the City Council and the Mayor. This eighteenth annual summary report demonstrates that city agencies have made significant improvements to the quality and delivery of pesticide use data since the enactment of Local Law 37. In 2006, only three agencies provided data in an electronic format that enabled summarization. In 2024, all agencies reported data electronically.

II. SOURCES OF PESTICIDE USE DATA

New York City agencies are required to report their pesticide use for the preceding calendar year to the Health Department by February 1. This report summarizes data received by the Health Department for pesticides applied during calendar year 2024.

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, the target pest, the date, and location the product was applied, and what agency or contractor applied it. The Health Department 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 active ingredients. In addition, the Health Department links these data to the EPA Office of Pesticide Programs' List of Chemicals Evaluated for Carcinogenic Potential, the State of California's List of Chemicals Known to the State to Cause Cancer or Reproductive Toxicity, and the IARC carcinogen list, all available for download at <http://nyc.gov/health/ll37>.

III. METHODS AND LIMITATIONS

The Health Department hosts an electronic reporting tool, the New York City Pesticide Use Reporting System (NYCPURS), that all agencies, contractors, and licensed pest control applicators can register to use. Data from NYCPURS and some external electronic sources were imported into a single database, where they were checked for quality and validity. Weight and volumetric units were standardized to pounds and gallons, respectively. Products sold in solid form are primarily reported by weight and liquids and gases primarily by volume. Each record of data was assigned an agency identifier corresponding to the source agency. Data were analyzed using Microsoft SQL, Excel, and Access. We analyzed data by pesticide type and chemical class, and report total numbers, pounds, and gallons of applications for New York City and by agency on whose behalf the pesticides were applied.

Summary statistics are reported by agency, based on records the Health Department has evaluated for completeness. It is not possible to know if an agency reported every pesticide application. Many agencies depend upon contractors to maintain records of pesticides applied and may not be certain that all contractors have fully complied with Local Law 37 reporting requirements. Additional limitations in the data include:

- Staff and contractor turnover have led to difficulty maintaining dependable and timely reporting at some agencies.
- Year-to-year variation in agency pesticide use can be due to many factors, including but not limited to changes in practice, budgets, and the incidence of actual pest problems.
- Decisions on whether a single application is reported by an entire building or by individual apartment or office suite, as well as reporting of diluted versus undiluted amounts of applied pesticides, can significantly affect the reported amounts per application and total number of applications in a year. Because of variations in practice across agencies and contractors, uniformity in reporting cannot be assured.

Despite the above-mentioned limitations, the Health Department continues its efforts to improve the data quality by promoting increased use of NYCPURS. Reporting errors, especially in reporting incorrect units, were further reduced in 2024 due to input standardization and consistent formatting in the NYCPURS system.

In 2024, 98% of records were either imported or directly entered into the NYCPURS system, with the remainder reported in electronic format outside of the NYCPURS system. We expect to see further improvements in the data over the next year, as more agencies and contractors migrate existing electronic or paper systems to the NYCPURS system. 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 applied by NYC Agencies are second-generation anticoagulants (SGARs), for example, brodifacoum, bromadiolone and difethialone. Some common rodenticide products used by agencies in 2024 (all SGARs) were: Contrac All-Weather Blox®, Contrac Rodenticide®, Final Rodenticide®, and Difethialone Paste Place Packs®. First-generation anticoagulants – such as warfarin, chlorophacinone and diphacinone – are rarely used. One advantage of SGARs is that they do not require multiple doses to kill a rat. However, there is growing awareness of the widespread ecological harm associated with use of SGARs and the need to reduce their use.

In 2024, DPR, NYCHA, and NYCPS continued use of non-anticoagulant dry ice (frozen carbon dioxide) or gas cannisters in sensitive outdoor locations, such as near city parks, building exteriors, squares and outdoor areas on school properties. In 2017, the Health Department worked with federal and state regulators to receive approval for this rodent control method, which has no risk of secondary poisoning to predatory animals.

In 2024, a total of 13,879 gallons and 63,843 pounds of rodenticides were applied by city agencies, accounting for 69% by volume liquid/gas pesticide and 33% by weight of solid pesticide – 47% by weight after excluding mosquito larvicides (Table 1).

Insecticides

A total of 1,005 gallons and 101,097 pounds of insecticides were applied by NYC agencies in 2024, accounting for 5% by volume, and 52% by weight across all applications (Table 1).

Biological insecticides applied to target mosquito larvae account for 59% of insecticides by weight. When those products are excluded, 41,145 pounds of insecticides by weight were applied, making up 31% of solid pesticides applied. Insecticides used by NYC agencies in 2024 fell largely into three classes of products: conventional pyrethrins and pyrethroids, organophosphates and carbamates, and “Best Management Practices” (BMP) 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, cyhalothrin, esfenvalerate, and deltamethrin. Pyrethrin and pyrethroid products used by agencies in 2024 include STERI-FAB, Demand CS Insecticide®, Temprid SC Insecticide®, Suspend SC Insecticide®, and Conquer Residual Insecticide Concentrate.

In 2024, pyrethrins and pyrethroids accounted for 64% of total liquid insecticides applied by volume and 2% of solid insecticides by weight – 4% by weight when excluding mosquito larvicides. These products made up 3% of the total number of insecticide applications. There was a 33% decrease in pyrethroids applied by volume in 2024.

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 has also allowed the registrations for several carbamates to lapse.

The main organophosphate active ingredients used in 2024 were outdoor applications of trichlorfon on some golf courses, which are exempt from Local Law 37 use prohibitions. The only carbamate active ingredient applied in 2024 was carbaryl. Organophosphate and carbamate products applied by agencies in 2024 include Dylox 420 SL Turf and Ornamental Insecticide®, Dylox 6.2 Granular Insecticide, and Lesco Sevin SL.

These products remain a very small percentage of the insecticides used by city agencies, making up well below 1% of the total number of insecticide applications. Reports submitted by agencies showed that in 2024, the use of organophosphates and carbamates accounted for only 5% of liquid insecticides applied by agencies by volume (a small increase from 2023 levels) and 6%

of total solids by weight after excluding mosquito larvicides (an increase from 2023 levels due to a higher quantity of granular product used).

“Best Management Practices” Insecticides

The market offers several highly effective insecticide products with little or no potential risk for human exposure. 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 programs and are referred to as “Best Management Practices” Insecticides (BMP). Integrated pest management involves sealing cracks, fixing leaks and removing garbage to deprive pests of food, water and shelter with the aim of minimizing pesticide use. A complete list of BMP insecticides is 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®, Optigard Cockroach Gel, Gourmet Ant Bait Gel, Vendetta Plus Cockroach Gel Bait, and DuPont Advion Cockroach Gel Bait®.

In 2024, 31% of the total insecticides applied by volume, and 90% by weight, were insecticidal dusts, gels and baits, insect growth regulators, or biological larvicides. Excluding mosquito larvicides, the total drops to 75% of solid insecticide products by weight.

Herbicides

New York City agencies used herbicides in 2024 primarily for vegetation control in parks and for the maintenance of highways and street medians. The active ingredients most frequently used were triclopyr, butoxyethyl ester, imazamox and Glufosinate-ammonium. A total of 1,318 gallons and 21,989 pounds of herbicides were applied in 2024, accounting for 7% of total pesticide volume and 11% of total pesticide weight overall (16% after excluding mosquito larviciding). (Table 1)

Glyphosate

Though recent use by NYC agencies has been declining, glyphosates remain a commonly used liquid herbicide in the US, best known as Roundup® products. Glyphosate is a broad-spectrum, non-selective systemic herbicide that can be used throughout the growing season. In early 2015, the International Agency for Research on Cancer (IARC), a branch of the World Health Organization (WHO), changed the classification for glyphosate to a “probable human carcinogen.” However, a risk assessment by the European Food Safety Authority (EFSA) determined that glyphosate is “unlikely to pose a carcinogenic hazard to humans.”¹ Glyphosate shows little acute toxicity, but there has been growing concern that chronic exposure may increase risk of certain

1. ¹ European Food Safety Authority. Conclusion on the peer review of the pesticide risk assessment of the active substance glyphosate. *Efsa J* 2015;13:4302.

cancers. There is also some evidence that heavy use of the chemical in warm climates with soil high in certain toxic metals could present significant risk for developing kidney damage in agricultural workers. Glyphosate use had increased as agencies phased out the use of other herbicides prohibited under Local Law 37 but has been declining since 2013. The amendments to Local Law 37 passed in 2023 now prohibit the use of glyphosate products due to IARC classifying the chemical as a probable carcinogen. In 2024, 2% of liquid herbicide use (by volume) contained glyphosate compared to 53% in 2016 (Figure 3). Practically all the glyphosate use in 2024 was on a single NYC golf course that is exempt from the product prohibition or around medians where vehicle traffic creates a hazard.

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, benfenin, benfluralin, and prodiamine. Agencies used dinitroaniline products containing prodiamine in 2024, including Lebanon Fertilizer with Barricade (0.43%) Preemer, Turfgrass Fertilizer with Barricade (0.43%) Preemer, and Quali-Pro Prodiamine 4L ® applied on city golf courses.

Chlorophenoxyacetic/Benzoic Acids

The chlorophenoxyacetic acid herbicides are a family of related chemicals that are often combined in products. EPA classifies one member of this class of pesticides – mecoprop-p – as a suspected carcinogen. 2,4-D is also now prohibited due to classification by IARC as possibly carcinogenic to humans. Common chlorophenoxyacetic acid active ingredients are 2,4-D, MCPP, mecoprop-p, dicamba and MCPA. Common chlorophenoxyacetic acid products used by agencies in 2024 were NUP-16011 Herbicide, Cool Power Selective Herbicide®, Armortech® Threesome™, and Clash Selective Herbicide. In 2024, the only uses of these products were a small number of applications on the city's golf courses, and in parks and botanical gardens with waivers.

Ureas

Like dinitroaniline herbicides, urea herbicides are of low acute toxicity, but chronic exposure may pose some risks. Classification as a possible human carcinogen varies within the group. Sulfonylureas are of low acute toxicity and have been so classified. All urea herbicides are highly persistent. None of the ureas used by NYC agencies in 2024 is classified by the EPA as a human carcinogen. Common urea active ingredients are sulfometuron methyl, metsulfuron-methyl and halosulfuron-methyl. Common urea products used by NYC agencies in 2024 were Sedgehammer®, Nufarm Prosedge Selective Herbicide2, Dupont Viewpoint Herbicide®, and Dupont Oust Herbicide®. In 2024, the only uses of these products were applications along city highways by the DOT and a small number of applications on city golf courses and parks.

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 applied by NYC on golf courses, which are exempt from Local Law 37 prohibitions.

The active ingredients of fungicides commonly used in NYC in 2024 were acibenzolar-S-methyl, chlorothalonil, tebuconazole, fosetyl-Al, thiabendazole, trichoderma harzianum rifai strain KRL-AG2, thiophanate-methyl, propamocarb hydrochloride, iprodione, and QST 713 strain of dried *Bacillus subtilis*. Common fungicide products applied in 2024 include T-22G Biological Plant Protectant Granules, Daconil Action®, Banol Turf and Ornamental Fungicide®, Armor Tech CLT 720 XL Fungicide®, 12ESP705 Fungicide®, Aliette WDG Brand Fungicide, and Rhapsody AS0.

Fungicides represented less than 1% of the total number of pesticide applications in 2024, but they made up 19% of total volume of liquid pesticides applied and 4% of total weight of solid products – 6% after excluding mosquito larvicides (Table 1). The total volume of liquid and weight of solid fungicides reported have increased since 2023 (Figure 1 & 2).

B. SUMMARY OF CITYWIDE PESTICIDE USE

Pesticide use can be measured and compared in several ways. Throughout the remainder of this report, we describe frequency of applications and quantity applied. Quantities for liquid applications are typically measured as volume in gallons. Quantities for solid applications are typically measured as weight in pounds. However, if a liquid product was reported by a city agency or contractor in pounds, it was included in weight measures.

Pesticides were applied 843,418 times by New York City agencies in 2024, 42% more than in 2023, due to a 64% increase in reports of larvicide applications that was driven by a change to reporting individual catch basin applications. In addition, there was a 22% decrease in reports of pyrethroid applications targeting roaches and bed bugs, primarily at NYCHA. The pesticides applied most frequently by New York City agencies (by application count) were insecticides. Insecticides were the also the most heavily used solid products (52% by weight). However, rodenticides were the most heavily used solid products when excluding larvicides (47% by weight), and the most heavily used liquid/gas (69% by volume). In 2024, 59% of the insecticides reported by weight were bacterial products designed to kill mosquito larvae in stagnant waters away from human contact. Excluding these products used as part of the Health Department mosquito-borne disease control programs, 30% of total solid pesticides by weight were insecticides and 47% were rodenticides. The majority of rodenticide applied by city agencies is placed directly into rat burrows and poses little risk of exposure to the public. Table 1 summarizes these findings of applications by pesticide type.

Table 1. Total Applications Reported Applied by NYC Agencies in 2024, by Pesticide Type

Pesticide Type	Volume		Weight			Times Applied	
	Gallons	% of Total	Pounds	% of Total	% without larvicide	Number	% of Total
Rodenticide	13879.29	68.9%	63843.17	32.7%	47.2%	142880	16.9%
Insecticide	1005.23	5.0%	101097.35	51.8%	30.5%	695719	82.5%
Herbicide	1318.46	6.5%	21989.44	11.3%	16.3%	3440	0.4%
Fungicide	3838.08	19.1%	8133.03	4.2%	6.0%	1289	0.2%
Other	93.16	0.5%	0.48	0.0%	0.0%	90	0.0%
Totals	20,134		195,063			843,418	

Table 2 lists the ten most frequently used products for each pesticide type on New York City owned or leased property in 2024. For each, we list the total volume, weight, and number of applications (No. Apps), as well as the active ingredient(s), the EPA toxicity category (EPA Tox Cat), whether the product is considered a known, possible, or suspect carcinogen by EPA (EPA Carcin), whether the product is listed by the State of California as a reproductive or developmental hazard (CA Dev Toxin), and whether the product is listed as carcinogen by IARC (IARC Carcin). 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 labels require 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 slightly toxic, while Toxicity Category 4 products are considered relatively non-toxic, and both carry the signal word “Caution.” A complete list of products used by New York City by pesticide type is included in Appendix 1.

Table 2. Ten Most Frequently Applied Pesticide Products by NYC Agencies in 2024 by Type

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Apps	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev Toxin	IARC Carcin
Rodenticides									
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.30	24018.72	78501	Difethialone	3	NO	NO	NO
12455-69	CONTRAC RODENTICIDE	0.00	16039.94	20833	Bromadiolone	3	NO	NO	NO
12455-90	FINAL RODENTICIDE	0.00	8035.23	12955	Brodifacoum	3	NO	NO	NO
12455-56	DITRAC TRACKING POWDER	0.00	402.30	10114	Diphacinone	2	NO	NO	NO
12455-146	CONTRAC SOFT BAIT	0.00	654.00	3101	Bromadiolone	3	NO	NO	NO
7173-310	Bromethalin Soft Bait II	0.00	475.37	2982	Bromethalin	3	NO	NO	NO
7173-308	Chlorophacinone Soft Bait	0.00	884.81	2835	Chlorophacinone	3	NO	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	1.06	2682.79	2794	Bromadiolone	3	NO	NO	NO
100-1055	WEATHERBLOK BAIT WITH BITREX	0.00	1323.50	1902	Brodifacoum	3	NO	NO	NO
7173-297	BROMADIOLONE PASTE 0901	0.00	372.55	1008	Bromadiolone	3	NO	NO	NO
Insecticides									

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Apps	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev Toxin	IARC Carcin
73049-429	VECTOMAX FG	0.00	12867.49	479020	Bacillus sphaericus; Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52	3	NO	NO	NO
100-1484	DUPONT ADVION COCKROACH GEL BAIT	9.02	1552.66	64371	Indoxacarb	3	NO	NO	NO
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	40.48	6.19	47749	(7S)-Hydroprene	3	NO	NO	NO
2724-469	ZOECON (S)-HYDROPRENE ROACH CONTROL STATION II	0.51	16966.79	23121	(7S)-Hydroprene	3	NO	NO	NO
64405-2	REDZONE BAIT	0.00	10798.12	16991	Boric acid	3	NO	NO	NO
100-1290	OPTIGARD COCKROACH GEL BAIT	0.00	309.00	12481	Emamectin, benzoate	3	NO	NO	NO
101563-4	SUSPEND SC INSECTICIDE	27.50	1.15	8033	Deltamethrin	3	NO	NO	NO
499-510	PRESCRIPTION TREATMENT BRAND ALPINE COCKROACH GEL BAIT PISTON CAN	0.00	80.70	7887	Dinotefuran	3	NO	NO	NO
74578-12	TREE-AGE R10	71.87	0.00	7886	Emamectin, benzoate	2	NO	NO	NO
1021-2593	VENDETTA PLUS COCKROACH GEL BAIT	0.66	123.03	4953	Avermectin; Pyriproxyfen	3	NO	YES	NO
Herbicides									
62719-527	GARLON 4 ULTRA	123.59	99.38	431	Triclopyr	2	NO	NO	NO
62719-519	MILESTONE	22.14	0.00	414	Aminopyralid, triisopropanolamine salt	3	NO	NO	NO
62719-176	PATHFINDER II	92.42	225.63	388	Triclopyr, butoxyethyl ester	3	NO	NO	NO
7969-443	DERRINGER HERBICIDE	199.41	0.00	359	Glufosinate-ammonium	2	NO	NO	NO
101563-144	ESPLANADE 200 SC	5.27	0.00	358	Indaziflam	3	NO	NO	NO
228-534	NUFARM POLARIS HERBICIDE	52.50	0.00	354	Imazapyr, isopropylamine salt	3	NO	NO	NO
101563-177	METHOD 240SL HERBICIDE	10.20	0.00	354	Aminocyclopyrachlor potassium salt	3	NO	NO	NO
100-937	PRIMO MAXX	39.60	0.00	59	Trinexapac-ethyl	3	NO	NO	NO
228-743	NUP-18013	20.45	0.00	55	Glufosinate-ammonium	3	NO	NO	NO
62719-542	DIMENSION 2EW	64.57	0.00	50	Dithiopyr	2	NO	NO	NO
Fungicides									

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Apps	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev Toxin	IARC Carcin
68539-3	T-22G BIOLOGICAL PLANT PROTECTANT GRANULES	0.00	95.06	119	Trichoderma harzianum rifai strain KRL-AG2	3	NO	NO	NO
100-1364	DACONIL ACTION	822.76	6.25	107	Acibenzolar-S-methyl; Chlorothalonil	2	YES	NO	YES
53883-353	QUALI-PRO T-NEX	42.98	0.00	66	Trinexapac-ethyl	3	NO	NO	NO
101563-21	BANOL TURF AND ORNAMENTAL FUNGICIDE	136.39	0.00	60	Propamocarb hydrochloride	3	NO	NO	NO
228-630-86064	ArmorTech TMI 2020 FLO	132.37	0.00	41	Thiophanate-methyl; Iprodione	3	YES	YES	NO
86064-6	ArmorTech ZOXY 2F	55.67	0.00	34	Azoxystrobin	3	NO	NO	NO
101563-162	12ESP705 FUNGICIDE	0.00	1056.50	34	Fosetyl-Al	3	NO	NO	NO
60063-7-10404	LESCO MANICRUE 6FL	297.64	0.00	31	Chlorothalonil	2	YES	NO	YES
69526-13	CIVITAS	110.00	0.00	29	Mineral oil	3	NO	NO	NO
89442-1	TEBUCONAZOLE 3.6 SELECT	41.99	0.00	27	Tebuconazole	3	YES	NO	NO
Other									
59807-4	HORMODIN 1	0.00	0.48	66	IBA	3	NO	NO	NO
60061-142	PETTIT NEPTUNE 5 HARD HYBRID ABLATIVE ANTIFOULING PAINT	17.00	0.00	17	Copper oxide (ous)	2	NO	NO	NO
70299-16-84732	GREEN STOP LIQUID ALGAECIDE	0.97	0.00	2	Hydrogen peroxide, Peroxyacetic acid	1	NO	NO	NO
73049-15	PROGIBB 4% PLANT GROWTH REGULATOR SOLUTION	0.00	0.00	2	Gibberellins	2	NO	NO	NO
63838-5	BROMMAX 7.1	70.00	0.00	1	Sodium bromide; Sodium hypochlorite	1	NO	NO	NO
14802-8-74466	MICROBE LIFE ALGAWAY 5.4 ALGAECIDE FOR PONDS	4.25	0.00	1	Poly(oxyethylene) (dimethylimino) ethylene (dimethylimino) ethylene dichloride	3	NO	NO	NO
70299-19	SANIDATE 5.0	0.94	0.00	1	Hydrogen peroxide, Peroxyacetic acid	1	NO	NO	NO

C. CHANGES IN PESTICIDE USE

Table 3 contains a complete list of application amounts by target pest.

Table 3: List of pesticide applications by New York City Agencies by target pest, 2024

Target Pest	Volume in Gallons	Weight in Pounds	Total Applications	% of Total Applications
Mosquitoes	396.27	59893.35	480480	57.0%
Roaches	86.58	23540.81	175750	20.8%
Rats	13886.15	56012.46	113576	13.5%
Mice	1.08	6668.81	26858	3.2%
Ants	3.79	12215.84	12820	1.5%
Other Pests	199.07	1442.90	8111	1.0%
Emerald Ash Borer	71.87	0.00	7886	<1%
Missing Target Organism	31.48	1229.17	6182	<1%
Bed bugs	67.00	780.20	4640	<1%
Weeds, vines, or grasses	1318.46	21989.44	3440	<1%
Flying insects	70.86	696.37	2072	<1%
Fungal Disease or Infestation	3838.08	8133.03	1289	<1%
Other Crawling Insects	162.38	2438.55	289	<1%
Termites	1.15	14.96	21	<1%
Other Rodents	0.00	7.59	4	<1%
Totals	20,134.2	195,063.5	843,418	

The level of completeness of city agency pesticide reporting has improved dramatically since 2008, with more recent years being most reflective of real variation in pest control practices. Figures 1 and 2 show trends through 2024 in use of pesticides by type, with solid and liquid products reported by weight and volume, respectively.

In Figure 1, the Health Department mosquito control program larvicides are charted separately from other insecticides, because they represent a large proportion of agency insecticide use and their year-to-year use varies more with weather than other insecticides. Larvicide use (Figure 1) increased 21% by weight and 64% by application count in 2024. The 64% rise is primarily due to an increase in the number of individual sewer catch basins treated as separate applications. Larvicides continue to make up the majority of solid insecticide products used by weight (59%). Use of solid rodenticide products declined in 2024 (21% by weight, from 2023 to 2024), after three years of increases. Solid insecticide use went up considerably in 2024 due to more than twice the amount of best practice baits and gels used. Herbicide levels remained steady with the use of outdoor granular turf formulations that include fertilizer (adding to the product weight) mainly on golf courses and large institutional lawns (Figure 1).

Figure 1: Pesticides Applied by City Agencies Reported by Weight

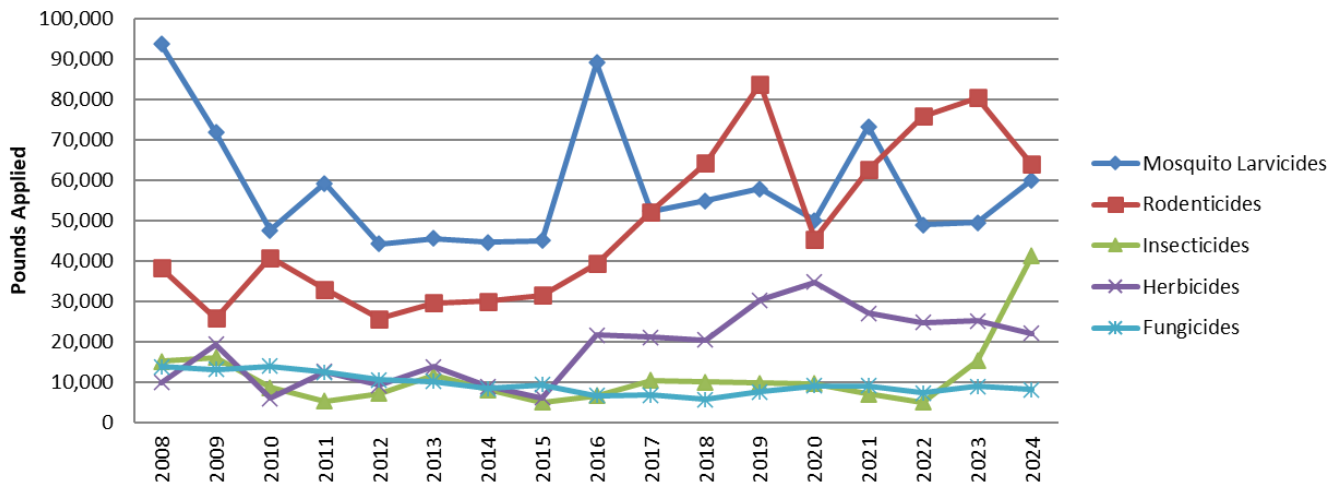
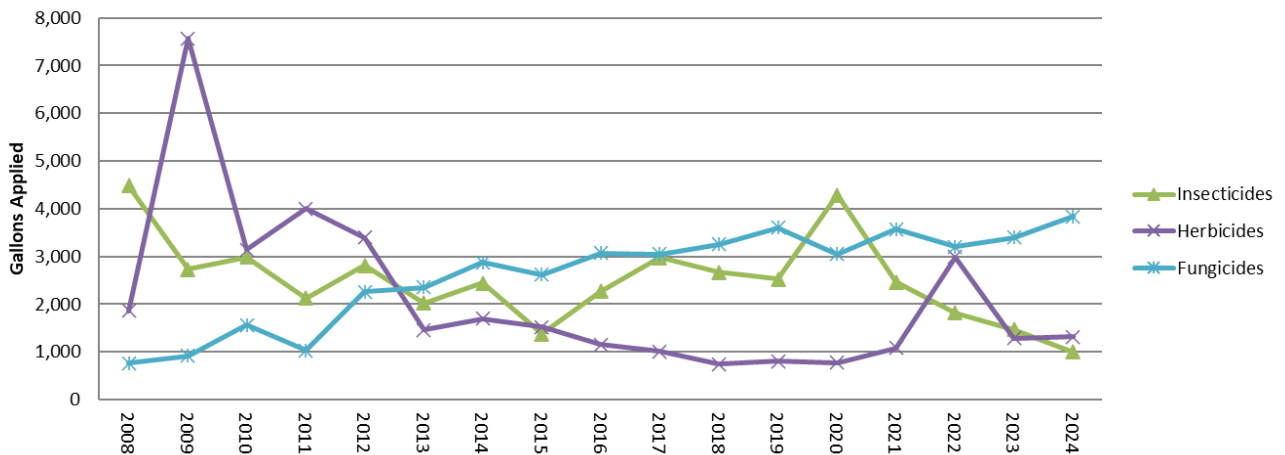
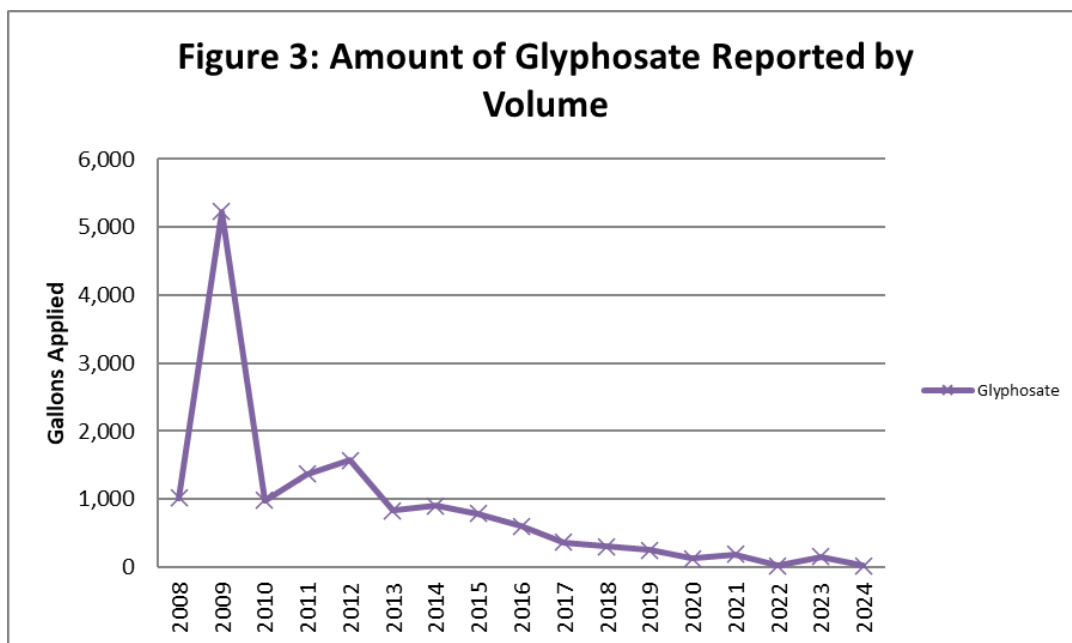


Figure 2: Pesticides Applied by City Agencies Reported by Volume

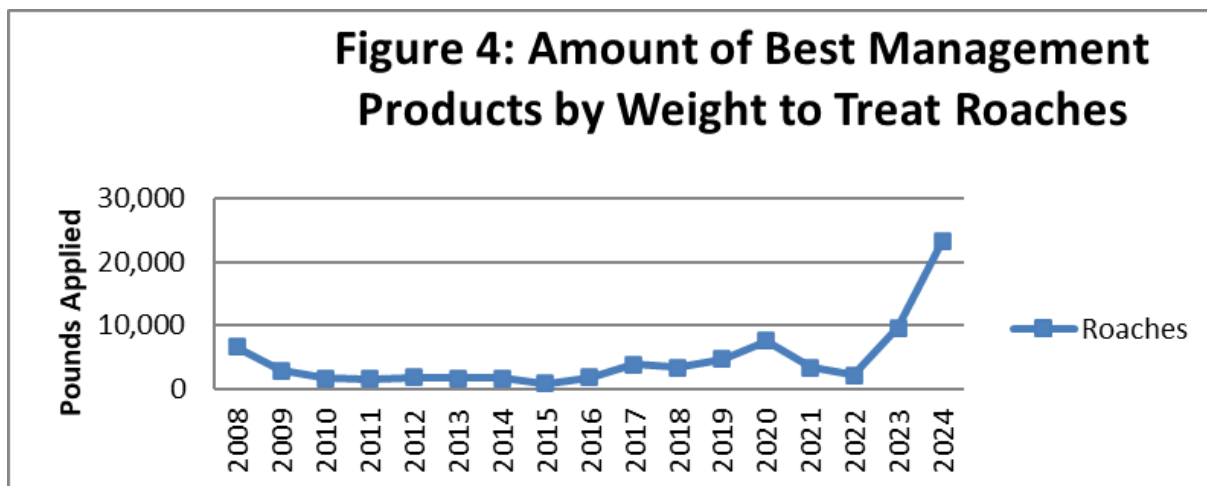


Rodenticides and mosquito larvicides are not included in Figure 2 as those products are almost exclusively solid formulations reported by weight. However, in 2024 agencies continued to use a carbon dioxide (CO₂) gas product that was reported by volume. The volume amount of that CO₂ gas rodenticide was much higher than the other pesticide types reported in Figure 2 and is not included in Figure 2, which aims to track liquid volume amounts. There was a 32% decrease in liquid insecticide use in 2024 compared to 2023, due to a decrease in use of pyrethroids and liquid BMP insecticides (Appendix 1 & 3). From 2008 to 2024, there was a 78% decrease in the volume of liquid insecticides used (Figure 2). Liquid herbicide use increased 2% by volume (Figure 2) from 2023 to 2024, but there has been a 99% decrease in glyphosate levels applied since 2012 (Figure 3).



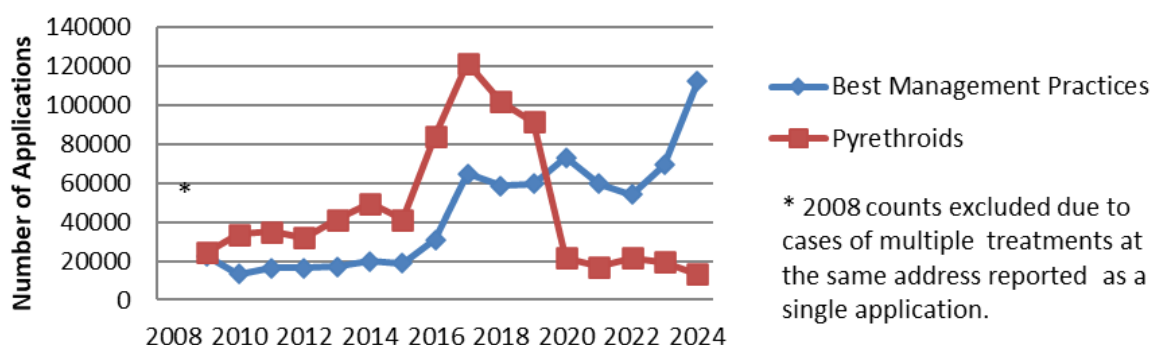
Use of spray formulations vs. Best Management Practices

The reported use of BMP products to combat roaches had declined in recent years from a higher level in 2020 but increased sharply in 2024. BMP product use was 1.4 times higher in 2024 compared with 2023 due to large increases in the amount of insect growth regulator, bait, and gel products used (Figure 4).



There was an 33% decrease in the number of pyrethroid applications and a 62% increase in the number of BMP applications to treat roaches from 2023 to 2024 (Figure 5).

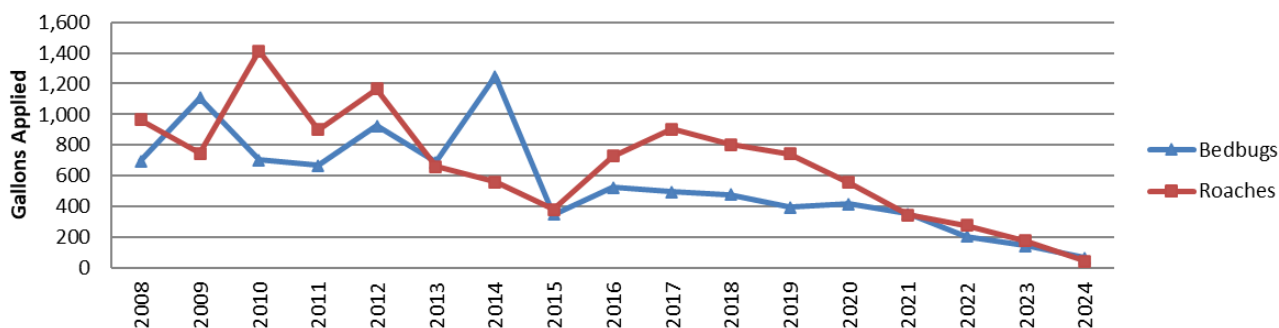
Figure 5: Number of Applications of Insecticide to Treat Roaches



Bed Bugs vs. Roaches

Use of pyrethroid spray products targeting roaches decreased 74% by volume, and the number of applications decreased 33% from 2023 to 2024 (Figures 5 and 6). There was also a 55% decrease in gallons of pyrethroids used by city agencies to treat bed bugs from 2023 to 2024 (Figure 6). However, citywide, the number of pyrethroid applications to treat bed bugs increased 93% in 2024. Total volume of pyrethroid use for control of bed bugs has remained low since 2015 compared with previous years, while volume for cockroaches has declined from a high in 2017 (Figure 6).

Figure 6: Amount of Pyrethroids Reported by Volume to Treat Bed Bugs and Roaches



Rodents

Rodenticide use decreased by 21% in 2024 by weight (Figure 1), while the number of applications increased by 9%. Use varies year to year according to findings during the ongoing neighborhood rat surveillance and control initiative ([Rat Indexing - NYC Health](#)). The decrease

in rodenticide by weight was due to lower amounts of anti-coagulant products and Rat Ice used in 2024.

Mosquitoes

Mosquito control measures include larviciding (killing larvae) and adulticiding (killing flying adults). The Health Department Vector Control program and their contractors were the primary applicators; 59,943.10 pounds of mosquito larvicide and 395 gallons of adulticide were applied in 2024. The application count increased 64% from 2023 while the amount of larvicide applied in sewer catch basins by weight rose less significantly (21%, Figure 1). The agency continues to monitor mosquito populations across the five boroughs, especially the populations that commonly carry mosquito-borne pathogens such as the West Nile and Zika viruses. The amount of adulticide applied by the Health Department varies year to year depending on weather and severity of mosquito infestations. There was no significant change in the number of adulticide applications from 2023 to 2024 (data not shown).

D. SUMMARY OF AGENCIES' PESTICIDE USE

For each reporting agency, we summarize total pesticide use by pesticide type, followed by a listing of pesticide products used.

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. The agency contracts for pest management services. Table 4 summarizes ACS pesticide use by pesticide type. Table 5 lists all pesticide products used in 2024.

Table 4: Types of Pesticides Used by ACS in 2024

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0	0.0%	96.49	82.7%	563	35.9%
Insecticide	4.14	100.0%	20.21	17.3%	1,004	64.1%
Totals	4.14		116.70		1,567	

Table 5: Pesticide Products Used by ACS in 2024

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin	IARC Carcin
Rodenticides									
7173-308	Chlorophacinone Soft Bait	0.00	47.69	187	Chlorophacinone	3	NO	NO	NO
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	21.76	152	Difethialone	3	NO	NO	NO
7173-310	Bromethalin Soft Bait II	0.00	14.92	124	Bromethalin	3	NO	NO	NO
12455-146	CONTRAC SOFT BAIT	0.00	8.33	73	Bromadiolone	3	NO	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	1.54	15	Bromadiolone	3	NO	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	IARC Carcin
12455-69	CONTRAC RODENTICIDE	0.00	2.25	12	Bromadiolone	3	NO	NO	NO
Insecticides									
100-1484	DUPONT ADVION COCKROACH GEL BAIT	0.00	8.44	483	Indoxacarb	3	NO	NO	NO
101563-4	SUSPEND SC INSECTICIDE	2.42	0.00	168	Deltamethrin	3	NO	NO	NO
101563-165	TEMPRID SC-F INSECTICIDE	1.24	0.00	158	Cyfluthrin, beta; Imidacloprid	3	NO	NO	NO
64405-2	REDZONE BAIT	0.00	10.90	137	Boric acid	3	NO	NO	NO
89459-59	ENVI ACU CONTACT Insecticide	0.42	0.00	20	Phenylethyl propionate	3	NO	NO	NO
100-1498	DUPONT ADVION ANT GEL	0.00	0.40	18	Indoxacarb	3	NO	NO	NO
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.04	0.00	10	(7S)-Hydroprene	3	NO	NO	NO
1021-2796	MGK Formula 3113	0.00	0.15	5	Clothianidin; Pyriproxyfen	0	NO	NO	NO
499-550	TC-323	0.02	0.25	4	Prallethrin	3	NO	NO	NO
64405-37	Nibor-D Insecticide Foam + IGR	0.00	0.06	1	Disodium octaborate tetrahydrate; Pyriproxyfen	3	NO	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. DFTA contracts with non-profit senior service providers to administer 76 different city-owned and city-leased sites, 33 of which engage in food preparation or storage. These facilities are privately operated and contract individually with private vendors for pest control to address typical structural urban pest issues, such as roaches, rodents, and flies. Pesticide use arranged by privately operated facilities with 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 2024.

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 BPL pesticide use by pesticide type. Table 7 lists all pesticide products used in 2024.

Table 6: Types of Pesticides Used by BPL in 2024

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

Rodenticide	0	0.0%	134.33	70.9%	432	40.6%
Insecticide	1.17	100.0%	55.00	29.1%	633	59.4%
Totals	1.17		189.33		1,065	

Table 7: Pesticide Products Used by BPL in 2024 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	IARC Carcin
Rodenticides									
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	119.67	332	Difethialone	3	NO	NO	NO
12455-56	DITRAC TRACKING POWDER	0.00	0.90	48	Diphacinone	2	NO	NO	NO
87235-1-88689	EZ SOFT - SOFT BAIT RODENTICIDE	0.00	11.51	40	Bromadiolone	3	NO	NO	NO
7173-113	ROZOL TRACKING POWDER	0.00	2.25	12	Chlorophacinone	2	NO	NO	NO
Insecticides									
100-1484	DUPONT ADVION COCKROACH GEL BAIT	0.00	2.30	144	Indoxacarb	3	NO	NO	NO
64405-2	REDZONE BAIT	0.00	31.50	90	Boric acid	3	NO	NO	NO
1021-1641-57076	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.12	0.00	88	Esfenvalerate	3	NO	NO	NO
101563-4	SUSPEND SC INSECTICIDE	0.04	0.00	82	Deltamethrin	3	NO	NO	NO
100-1498	DUPONT ADVION ANT GEL	0.00	1.63	78	Indoxacarb	3	NO	NO	NO
101563-140	MAXFORCE QUANTUM ANT BAIT	0.00	0.99	56	Imidacloprid	3	NO	NO	NO
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.01	0.00	30	(7S)-Hydroprene	3	NO	NO	NO
279-9554	CB INSECTICIDE WITH DELTAMETHRIN	0.00	9.00	22	Deltamethrin	3	NO	NO	NO
1021-1815	EVERCIDE ESFENVALERATE 6.4% CS	0.01	0.00	16	Esfenvalerate	3	NO	NO	NO
499-568	PT ALPINE PRESSURIZED FLY BAIT	0.00	2.38	6	Dinotefuran	3	NO	NO	NO
53883-384	CSI WASP KILLER	0.00	0.75	4	Prallethrin	3	NO	NO	NO
100-1486	DUPONT ADVION COCKROACH BAIT ARENA	0.00	0.10	4	Indoxacarb	3	NO	NO	NO
101563-6	DELTA DUST	0.00	0.31	3	Deltamethrin	3	NO	NO	NO
499-557	Alpine WSG	0.00	3.83	2	Novaluron	3	NO	NO	NO
499-550	TC-323	0.00	1.25	2	Prallethrin	3	NO	NO	NO
64405-37	Nibor-D Insecticide Foam + IGR	0.00	0.88	2	Disodium octaborate tetrahydrate; Pyriproxyfen	3	NO	NO	NO
101563-119	BES 0026 FLY SPOT BAIT	0.00	0.09	2	Imidacloprid; (Z)-9-Tricosene	3	NO	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	IARC Carcin
64405-5	RTU WOOD PRESERVATIVE/PES TICIDE	1.00	0.00	1	Disodium octaborate tetrahydrate	3	NO	NO	NO
101563-165	TEMPRID SC-F INSECTICIDE	0.00	0.00	1	Cyfluthrin, beta; Imidacloprid	3	NO	NO	NO

Board of Elections

The Board of Elections is the administrative body that oversees elections through staff at its main and five borough offices. The agency contracts for pest control through the citywide contract administered by DCAS. Table 8 summarizes BOE pesticide use by pesticide type. Table 9 lists all pesticide products used in 2024.

Table 8: Types of Pesticides Used by BOE in 2024

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0	0.0%	2.26	80.3%	13	25.5%
Insecticide	0.08	100.0%	0.56	19.7%	38	74.5%
Totals	0.08		2.81		51	

Table 9: Pesticide Products Used by BOE in 2024 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	IARC Carcin
Rodenticides									
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	1.37	8	Difethialone	3	NO	NO	NO
7173-310	Bromethalin Soft Bait II	0.00	0.14	2	Bromethalin	3	NO	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	0.12	2	Bromadiolone	3	NO	NO	NO
7173-308	Chlorophacinone Soft Bait	0.00	0.63	1	Chlorophacinone	3	NO	NO	NO
Insecticides									
100-1484	DUPONT ADVION COCKROACH GEL BAIT	0.00	0.56	25	Indoxacarb	3	NO	NO	NO
101563-4	SUSPEND SC INSECTICIDE	0.03	0.00	7	Deltamethrin	3	NO	NO	NO
101563-165	TEMPRID SC-F INSECTICIDE	0.04	0.00	5	Cyfluthrin, beta; Imidacloprid	3	NO	NO	NO
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.00	0.00	1	(7S)-Hydroprene	3	NO	NO	NO

Chief Medical Examiner

The Office of Chief Medical Examiner (OCME) is responsible for investigating deaths in unusual circumstances, approving requests for cremations, providing additional forensic services to support criminal investigations, and managing all functions of the city mortuary. The agency contracts for pest control through the citywide contract administered by DCAS. Table 10 summarizes OCME pesticide use by pesticide type. Table 11 lists all pesticide products used in 2024.

Table 10: Types of Pesticides Used by OCME in 2024

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	5.2	74.0%	35	15.0%
Insecticide	0.7	100.0%	1.8	26.0%	198	85.0%
Totals	0.66		6.99		233	

Table 11: Pesticide Products Used by OCME in 2024

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin	IARC Carcin
Rodenticides									
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	1.72	14	Difethialone	3	NO	NO	NO
7173-308	Chlorophacinone Soft Bait	0.00	2.00	11	Chlorophacinone	3	NO	NO	NO
12455-69	CONTRAC RODENTICIDE	0.00	0.44	3	Bromadiolone	3	NO	NO	NO
7173-310	Bromethalin Soft Bait II	0.00	0.34	3	Bromethalin	3	NO	NO	NO
12455-89	FINAL ALL-WEATHER BLOX	0.00	0.35	2	Brodifacoum	3	NO	NO	NO
12455-146	CONTRAC SOFT BAIT	0.00	0.33	2	Bromadiolone	3	NO	NO	NO
Insecticides									
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.20	0.00	50	(7S)-Hydroprene	3	NO	NO	NO
101563-165	TEMPRID SC-F INSECTICIDE	0.39	0.00	47	Cyfluthrin, beta; Imidacloprid	3	NO	NO	NO
101563-4	SUSPEND SC INSECTICIDE	0.05	0.00	46	Deltamethrin	3	NO	NO	NO
100-1484	DUPONT ADVION COCKROACH GEL BAIT	0.00	1.43	41	Indoxacarb	3	NO	NO	NO
100-1498	DUPONT ADVION ANT GEL	0.00	0.39	13	Indoxacarb	3	NO	NO	NO
89459-59	ENVI ACU CONTACT Insecticide	0.02	0.00	1	Phenylethyl propionate	3	NO	NO	NO

The City University of New York (CUNY) is the nation's largest urban public university and consists of 25 institutions. The University serves more than 225,000 degree-credit students and 273,000 adult continuing and professional education students. Individual institutions contract for pest control services through private vendors. The data reports were received from a subset of the following 11 colleges: Borough of Manhattan Community College, Brooklyn College, College of Staten Island, NYC College of Technology, The Graduate Center, Hunter College, John Jay College, Kingsborough Community College, LaGuardia Community College, Queens College, and Queens Borough Community College. Table 12 summarizes CUNY pesticide use by pesticide type. Table 13 lists all pesticide products used in 2024.

Table 12: Types of Pesticides Used by CUNY in 2024

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	61.5	57.3%	336	30.6%
Insecticide	26.4	100.0%	45.8	42.7%	762	69.4%
Totals	26.37		107.33		1,098	

Table 13: Pesticide Products Used by CUNY in 2024 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	IARC Carcin
Rodenticides									
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	46.31	308	Difethialone	3	NO	NO	NO
12455-69	CONTRAC RODENTICIDE	0.00	3.56	13	Bromadiolone	3	NO	NO	NO
7173-297	BROMADIOLONE PASTE 0901	0.00	10.50	12	Bromadiolone	3	NO	NO	NO
56-42	BAIT BLOCK RODENTICIDE WITH PEANUT BUTTER FLAVORIZ	0.00	0.63	1	Diphacinone	3	NO	NO	NO
12455-56	DITRAC TRACKING POWDER	0.00	0.50	1	Diphacinone	2	NO	NO	NO
82744-2-56	JT EATON NECTUS SOFT BAIT 2G SECOND GENERATION RODENTICIDE	0.00	0.04	1	Bromadiolone	3	NO	NO	NO
Insecticides									
100-1484	DUPONT ADVION COCKROACH GEL BAIT	0.00	11.60	220	Indoxacarb	3	NO	NO	NO
101563-165	TEMPRID SC-F INSECTICIDE	0.52	0.00	162	Cyfluthrin, beta; Imidacloprid	3	NO	NO	NO
89459-59	ENVI ACU CONTACT Insecticide	7.89	3.28	113	Phenylethyl propionate	3	NO	NO	NO
64405-2	REDZONE BAIT	0.00	1.05	85	Boric acid	3	NO	NO	NO
100-1498	DUPONT ADVION ANT GEL	0.00	4.01	67	Indoxacarb	3	NO	NO	NO
499-550	TC-323	0.81	21.13	35	Prallethrin	3	NO	NO	NO
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.04	0.00	21	(7S)-Hydroprene	3	NO	NO	NO
53883-276	DELTA 4.75% SC	17.00	0.00	15	Deltamethrin	3	NO	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	IARC Carcin
101563-4	SUSPEND SC INSECTICIDE	0.03	0.00	10	Deltamethrin	3	NO	NO	NO
2724-352	ZOECON RF-291 EMULSIFIABLE CONCENTRATE WITH PRECOR	0.06	0.00	4	S-Methoprene	3	NO	NO	NO
279-9554	CB INSECTICIDE WITH DELTAMETHRIN	0.00	2.98	4	Deltamethrin	3	NO	NO	NO
53883-444	CSI 16-189 Concentrate	0.01	0.00	3	(7S)-Hydroprene, Pyriproxyfen, Imidacloprid	3	NO	NO	NO
499-568	PT ALPINE PRESSURIZED FLY BAIT	0.00	0.38	3	Dinotefuran	3	NO	NO	NO
101563-119	BES 0026 FLY SPOT BAIT	0.00	0.38	3	Imidacloprid; (Z)-9-Tricosene	3	NO	NO	NO
499-561	TC-315	0.00	0.23	3	Dinotefuran	3	NO	NO	NO
1021-2593	VENDETTA PLUS COCKROACH GEL BAIT	0.00	0.10	3	Avermectin; Pyriproxyfen	3	NO	YES	NO
100-1066	DEMAND CS INSECTICIDE	0.00	0.06	2	Cyhalothrin, lambda	3	NO	NO	NO
101563-6	DELTA DUST	0.00	0.39	2	Deltamethrin	3	NO	NO	NO
241-392	PHANTOM TERMITICIDE-INSECTICIDE	0.00	0.13	2	Chlorfenapyr	3	YES	NO	NO
1021-2796	MGK Formula 3113	0.00	0.01	2	Clothianidin; Pyriproxyfen	0	NO	NO	NO
53883-335	N + P Regulator	0.00	0.00	1	Pyriproxyfen; Novaluron	3	NO	NO	NO
64405-37	Nibor-D Insecticide Foam + IGR	0.00	0.06	1	Disodium octaborate tetrahydrate; Pyriproxyfen	3	NO	NO	NO
100-1486	DUPONT ADVION COCKROACH BAIT ARENA	0.00	0.01	1	Indoxacarb	3	NO	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 55 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. Several agencies are housed in DCAS managed buildings, and the DCAS report reflects these applications. DCAS also managed a citywide contract for pest management services that city agencies could use from September 1, 2019, to August 31, 2024. Table 14 summarizes DCAS pesticide use by pesticide type. Table 15 lists all pesticide products used in 2024.

Table 14: Types of Pesticides Used by DCAS in 2024

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	272.7	90.1%	882	48.9%
Insecticide	2.7	100.0%	29.8	9.9%	921	51.1%
Totals	2.71		302.52		1,803	

Table 15: Pesticide Products Used by DCAS in 2024 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	IARC Carcin
Rodenticides									
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	96.43	301	Difethialone	3	NO	NO	NO
12455-146	CONTRAC SOFT BAIT	0.00	43.19	230	Bromadiolone	3	NO	NO	NO
7173-310	Bromethalin Soft Bait II	0.00	30.99	155	Bromethalin	3	NO	NO	NO
7173-308	Chlorophacinone Soft Bait	0.00	56.50	134	Chlorophacinone	3	NO	NO	NO
12455-69	CONTRAC RODENTICIDE	0.00	11.75	30	Bromadiolone	3	NO	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	13.81	17	Bromadiolone	3	NO	NO	NO
12455-80	DITRAC ALL-WEATHER BLOX	0.00	10.28	9	Diphacinone	3	NO	NO	NO
12455-139	Final Soft Bait	0.00	9.39	3	Brodifacoum	3	NO	NO	NO
12455-89	FINAL ALL-WEATHER BLOX	0.00	0.13	2	Brodifacoum	3	NO	NO	NO
100-1055	WEATHERBLOK BAIT WITH BITREX	0.00	0.22	1	Brodifacoum	3	NO	NO	NO
Insecticides									
100-1484	DUPONT ADVION COCKROACH GEL BAIT	0.00	7.56	317	Indoxacarb	3	NO	NO	NO
101563-4	SUSPEND SC INSECTICIDE	1.42	0.00	241	Deltamethrin	3	NO	NO	NO
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.46	0.00	134	(7S)-Hydroprene	3	NO	NO	NO
101563-165	TEMPRID SC-F INSECTICIDE	0.55	0.00	70	Cyfluthrin, beta; Imidacloprid	3	NO	NO	NO
64405-2	REDZONE BAIT	0.00	15.91	66	Boric acid	3	NO	NO	NO
100-1498	DUPONT ADVION ANT GEL	0.00	1.33	37	Indoxacarb	3	NO	NO	NO
499-561	TC-315	0.00	0.11	17	Dinotefuran	3	NO	NO	NO
73079-6	GREEN ZONE GRANULAR BAIT	0.00	3.91	9	Boric acid	3	NO	NO	NO
89459-59	ENVI ACU CONTACT Insecticide	0.27	0.00	5	Phenylethyl propionate	3	NO	NO	NO
53883-389	CSI 16-145 Lambda Cyhalothrin	0.00	0.00	5	Cyhalothrin, lambda	3	NO	NO	NO
499-370	PT 370 ASCEND FIRE ANT STOPPER BAIT	0.00	0.50	5	Avermectin	3	NO	YES	NO
1021-2796	MGK Formula 3113	0.00	0.02	4	Clothianidin; Pyriproxyfen	0	NO	NO	NO
499-550	TC-323	0.00	0.09	3	Prallethrin	3	NO	NO	NO
73766-1	GOURMET ANT BAIT GEL	0.00	0.02	2	Disodium octaborate tetrahydrate	3	NO	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	IARC Carcin
101563-5	ESP005 Insecticide	0.01	0.00	1	Cyfluthrin, beta; Flupyradifurone	0	NO	NO	NO
101563-6	DELTA DUST	0.01	0.00	1	Deltamethrin	3	NO	NO	NO
101563-140	MAXFORCE QUANTUM ANT BAIT	0.00	0.18	1	Imidacloprid	3	NO	NO	NO
53883-455	CSI 16-172A Aerosol	0.00	0.13	1	Imidacloprid, Indoxacarb, Novaluron, Pyriproxyfen	3	NO	NO	NO
101563-93	TEMPO 1% PROFESSIONAL INSECTICIDE	0.00	0.06	1	Cyfluthrin	3	NO	NO	NO
100-1486	DUPONT ADVION COCKROACH BAIT ARENA	0.00	0.02	1	Indoxacarb	3	NO	NO	NO

Correction, Department of

The Department of Correction (DOC) is responsible for New York City's incarcerated population, housing the majority on Rikers Island. It oversees 44 facilities, including eleven correctional facilities which have food preparation areas, laundries, residential areas, and office space. DOC does not employ contractors for pest management purposes but relies on in-house pest control professionals and works with DCAS in maintaining certain facilities. Table 16 summarizes DOC pesticide use by pesticide type. Table 17 lists all pesticide products used in 2024.

Table 16: Types of Pesticides Used by DOC in 2024

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	1.2	14.6%	144.1	93.0%	81	24.0%
Insecticide	6.9	85.4%	10.9	7.0%	257	76.0%
Totals	8.13		155.00		338	

Table 17: Pesticide Products Used by DOC in 2024 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	IARC Carcin
Rodenticides									
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	141.46	48	Difethialone	3	NO	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	1.06	2.62	32	Bromadiolone	3	NO	NO	NO
7173-172	ROZOL BLUE TRACKING POWDER	0.13	0.00	1	Chlorophacinone	2	NO	NO	NO
Insecticides									
101563-86	TEMPO SC INSECTICIDE	0.18	0.00	57	Cyfluthrin, beta	3	NO	NO	NO
1021-2593	VENDETTA PLUS COCKROACH GEL BAIT	0.63	3.07	46	Avermectin; Pyriproxyfen	3	NO	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	IARC Carcin
100-1498	DUPONT ADVION ANT GEL	0.00	1.66	37	Indoxacarb	3	NO	NO	NO
101563-119	BES 0026 FLY SPOT BAIT	1.09	0.32	33	Imidacloprid; (Z)-9-Tricosene	3	NO	NO	NO
499-507	PRESCRIPTION TREATMENT BRAND ALPINE COCKROACH GEL BAIT RESERVOIR	0.00	1.60	26	Dinotefuran	3	NO	NO	NO
101563-49	PRODUCT: RBF5	0.23	0.20	12	Fipronil	3	YES	NO	NO
64405-2-74455	ECOLOGICAL ANT & INSECT BAIT	0.03	3.31	12	Boric acid	3	NO	NO	NO
73079-2	INTICE GRANULAR BAIT	0.00	0.29	12	Boric acid	3	NO	NO	NO
397-13	STERI-FAB	4.65	0.00	9	Phenothrin; Isopropyl alcohol; Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride; Didecyl dimethyl ammonium chloride	2	NO	NO	NO
1021-2796	MGK Formula 3113	0.00	0.26	6	Clothianidin; Pyriproxyfen	0	NO	NO	NO
101563-165	TEMPRID SC-F INSECTICIDE	0.01	0.00	4	Cyfluthrin, beta; Imidacloprid	3	NO	NO	NO
73079-6	GREEN ZONE GRANULAR BAIT	0.00	0.21	2	Boric acid	3	NO	NO	NO
9688-255-8845	SPECTRACIDE COMMERCIAL WASP & HORNET KILLER 3	0.13	0.00	1	Deltamethrin; S-Bioallethrin	3	YES	NO	NO

Economic Development Corporation

The New York City Economic Development Corporation (NYCEDC) fosters inclusive economic development across all five boroughs by helping to lay the foundations of growth, advancing quality jobs across sectors and promoting access to opportunity. NYCEDC is responsible for contracting for pest control, including rodent control, in publicly accessible open spaces within the lots of private buildings. Table 18 summarizes NYCEDC pesticide use by pesticide type. Table 19 lists all pesticide products used in 2024.

Table 18: Types of Pesticides Used by NYCEDC in 2024

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	992.03	496013.6%	1,278	100.0%
Totals	0.00		992.03		1,278	

Table 19: Pesticide Products Used by NYCEDC in 2024 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	IARC Carcin
Rodenticides									
100-1055	WEATHERBLOK BAIT WITH BITREX	0.00	866.52	1,110	Brodifacoum	3	NO	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	101.30	138	Bromadiolone	3	NO	NO	NO
12455-89	FINAL ALL-WEATHER BLOX	0.00	24.21	30	Brodifacoum	3	NO	NO	NO

Education, Department of (New York City Public Schools)

NYC Public Schools (NYCPS) provides primary and secondary education to more than 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 approximately 20 in-house licensed pest management professionals who conduct monthly monitoring inspections and respond to pest problems for approximately 900 schools. NYCPS contracts with several pest management companies to provide services for an additional 300 schools. NYS Department of Environmental Conservation (DEC) more strictly regulates pesticide use at schools. More information is available here: <https://www.dec.ny.gov/chemical/41822.html>. Table 20 summarizes NYCPS pesticide use by pesticide type. Table 21 lists all pesticide products used in 2024.

Table 20: Types of Pesticides Used by NYCPS in 2024

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	10152.1	99.1%	7997.4	45.1%	14,041	32.5%
Insecticide	90.7	0.9%	9725.4	54.9%	29,200	67.5%
Totals	10,242.83		17,722.77		43,241	

Table 21: Pesticide Products Used by NYCPS in 2024 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	IARC Carcin
Rodenticides									
7173-258	DIFETHIALON E PASTE PLACE PACKS	0.00	6,204.89	12,220	Difethialone	3	NO	NO	NO
7173-304	BROMETHALIN SOFT BAIT	0.00	78.33	486	Bromethalin	3	NO	NO	NO
82744-2-56	JT EATON NECTUS SOFT BAIT 2G SECOND GENERATION RODENTICIDE	0.00	283.75	424	Bromadiolone	3	NO	NO	NO
12455-69	CONTRAC RODENTICIDE	0.00	609.03	325	Bromadiolone	3	NO	NO	NO
12455-36	CONTRAC RAT AND MOUSE BAIT	0.00	245.00	209	Bromadiolone	3	NO	NO	NO
12455-146	CONTRAC SOFT BAIT	0.00	145.87	197	Bromadiolone	3	NO	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	IARC Carcin
7173-297	BROMADIOLO NE PASTE 0901	0.00	4.30	71	Bromadiolone	3	NO	NO	NO
7173-313	IGI CARBON DIOXIDE	10,152.13	0.00	50	Carbon dioxide	2	NO	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	9.88	50	Bromadiolone	3	NO	NO	NO
12455-148	Rat Ice	0.00	415.00	8	Carbon dioxide	2	NO	NO	NO
7969-382	Selontra Rodent Bait	0.00	1.32	1	Cholecalciferol	3	NO	NO	NO
Insecticides									
64405-2	REDZONE BAIT	0.00	9,223.20	11,597	Boric acid	3	NO	NO	NO
499-510	PRESCRIPTIO N TREATMENT BRAND ALPINE COCKROACH GEL BAIT PISTON CAN	0.00	80.70	7,887	Dinotefuran	3	NO	NO	NO
100-1484	DUPONT ADVION COCKROACH GEL BAIT	0.00	46.55	5,746	Indoxacarb	3	NO	NO	NO
1021-2593	VENDETTA PLUS COCKROACH GEL BAIT	0.00	23.81	1,183	Avermectin; Pyriproxyfen	3	NO	YES	NO
73079-6	GREEN ZONE GRANULAR BAIT	0.00	193.79	1,029	Boric acid	3	NO	NO	NO
100-1498	DUPONT ADVION ANT GEL	0.00	5.14	575	Indoxacarb	3	NO	NO	NO
397-13	STERI-FAB	4.60	7.13	170	Phenothrin; Isopropyl alcohol; Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride; Didecyl dimethyl ammonium chloride	2	NO	NO	NO
73079-14	IMIDACLOPRID GRANULAR BAIT	0.00	13.41	135	Imidacloprid	3	NO	NO	NO
101563-122	MAXFORCE FC ROACH KILLER BAIT GEL F.05	0.00	3.51	122	Fipronil	3	YES	NO	NO
53883-424-82540	Strike Max Alacer Roach Gel Bait	0.00	0.07	111	Indoxacarb	3	NO	NO	NO
89459-84	RF2228 LH AEROSOL	10.98	0.00	76	Cyhalothrin, lambda; (7S)-Hydroprene	3	NO	NO	NO
1021-2796	MGK Formula 3113	0.00	0.86	58	Clothianidin; Pyriproxyfen	0	NO	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	IARC Carcin
64405-8	NIBOR BORATE INSECTICIDE AND FUNGICIDE	0.00	57.09	56	Disodium octaborate tetrahydrate	3	NO	NO	NO
499-473	WHITMIRE MICRO-GEN TC 205 INJECTION SYSTEM	10.56	0.00	53	Cyhalothrin, lambda	3	NO	NO	NO
101563-140	MAXFORCE QUANTUM ANT BAIT	0.00	0.60	48	Imidacloprid	3	NO	NO	NO
101563-119	BES 0026 FLY SPOT BAIT	45.50	0.00	45	Imidacloprid; (Z)-9- Tricosene	3	NO	NO	NO
73766-1	GOURMET ANT BAIT GEL	0.00	0.46	39	Disodium octaborate tetrahydrate	3	NO	NO	NO
499-550	TC-323	10.17	4.06	38	Prallethrin	3	NO	NO	NO
499-410	AVERT PRESCRIPTIO N TREATMENT TC 93B BAIT	0.00	0.14	29	Avermectin	3	NO	YES	NO
2724-786-89459	Zenprox Wasp- X2 Spray	7.57	0.00	27	Tetramethrin; Piperonyl butoxide; Ethofenprox	3	YES	NO	NO
2724-484	RF 9707 AEROSOL	0.80	5.94	27	(7S)-Hydroprene	3	NO	NO	NO
100-1486	DUPONT ADVION COCKROACH BAIT ARENA	0.00	16.38	26	Indoxacarb	3	NO	NO	NO
432-1531	BES0600 INSECTICIDE	0.00	0.43	24	Clothianidin	0	NO	NO	NO
499-507	PRESCRIPTIO N TREATMENT BRAND ALPINE COCKROACH GEL BAIT RESERVOIR	0.00	0.32	23	Dinotefuran	3	NO	NO	NO
101563-4	SUSPEND SC INSECTICIDE	0.00	0.02	16	Deltamethrin	3	NO	NO	NO
101563-23	DRIONE INSECTICIDE	0.00	1.59	15	Pyrethrins; Piperonyl butoxide; Silica gel	3	YES	NO	NO
2724-469	ZOECON (S)- HYDROPRENE ROACH CONTROL STATION II	0.51	0.00	13	(7S)-Hydroprene	3	NO	NO	NO
101563-46	MAXFORCE FC ANT BAIT STATIONS	0.00	0.15	9	Fipronil	3	YES	NO	NO
499-370	PT 370 ASCEND FIRE ANT STOPPER BAIT	0.00	0.72	6	Avermectin	3	NO	YES	NO
101563-47	MAXFORCE ROACH BAIT F.05	0.00	0.09	6	Fipronil	3	YES	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	IARC Carcin
53883-283	DM DUST 0.05% INSECTICIDE	0.00	0.04	4	Deltamethrin	3	NO	NO	NO
6218-47	SUMMIT B.T.I. BRIQUETS	0.00	37.69	2	Bacillus thuringiensis subspecies Israelensis strain BMP 144	3	NO	NO	NO
279-3206	TALSTAR TC FLOWABLE TERMITICIDE/I NSECTICIDE	0.00	0.81	2	Bifenthrin	3	YES	NO	NO
5481-13	ALCO FLY FIGHTER INSECT SPRAY PRESSURIZED	0.00	0.50	1	DDVP	3	YES	NO	YES
499-500	PRESCRIPTIO N TREATMENT BRAND ADVANCE COMPRESSED TERMITE BAIT II	0.00	0.19	1	Diflubenzuron	3	NO	NO	NO
499-527	PRESCRIPTIO N TREATMENT BRAND ALPINE DUST INSECTICIDE	0.00	0.04	1	Dinotefuran; Diatomaceous earth	3	NO	NO	NO

Environmental Protection, Department of

The Department of Environmental Protection (DEP) has more than 1,700 facilities upstate and in NYC. 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 NYC. DEP contracts for some pest control services and employs approximately 10 licensed applicators for maintenance of roadways and other infrastructure in the watershed. Table 22 summarizes DEP pesticide use by pesticide type. Table 23 lists all pesticide products used in 2024.

Table 22: Types of Pesticides Used by DEP in 2024

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	675.0	99.6%	1,225	87.9%
Insecticide	2.6	4.5%	2.4	0.4%	111	8.0%
Herbicide	55.6	95.5%	0.0	0.0%	57	4.1%
Totals	58.22		677.44		1,393	

Table 23: Pesticide Products Used by DEP in 2024 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	IARC Carcin
Rodenticides									

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin	IARC Carcin
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	430.92	930	Difethialone	3	NO	NO	NO
7173-202	MAKI MINI BLOCKS	0.00	206.29	199	Bromadiolone	3	NO	NO	NO
12455-69	CONTRAC RODENTICIDE	0.00	21.78	42	Bromadiolone	3	NO	NO	NO
12455-137-3240	RAMPAGE PELLETED BAIT	0.01	0.66	20	Bromethalin	3	NO	NO	NO
7173-308	Chlorophacinone Soft Bait	0.00	5.44	16	Chlorophacinone	3	NO	NO	NO
12455-132-3240	TOMCAT WITH BROMETHALIN BAIT CHUNX	0.00	5.00	6	Bromethalin	3	NO	NO	NO
12455-146	CONTRAC SOFT BAIT	0.00	1.59	6	Bromadiolone	3	NO	NO	NO
7173-258-3282	D-CON BAIT PASTE POUCHES	0.00	1.81	2	Difethialone	3	NO	NO	NO
12455-89	FINAL ALL-WEATHER BLOX	0.00	0.18	2	Brodifacoum	3	NO	NO	NO
7173-205	GENERATION PELLETS	0.00	1.25	1	Difethialone	3	NO	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	0.12	1	Bromadiolone	3	NO	NO	NO
Insecticides									
101563-4	SUSPEND SC INSECTICIDE	0.08	0.00	25	Deltamethrin	3	NO	NO	NO
1021-1641-57076	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.19	0.00	23	Esfenvalerate	3	NO	NO	NO
241-392	PHANTOM TERMITICIDE-INSECTICIDE	0.77	0.00	13	Chlorfenapyr	3	YES	NO	NO
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.05	0.00	12	(7S)-Hydroprene	3	NO	NO	NO
149-8-64405	TERRO PCO LIQUID ANT BAIT	0.08	0.00	7	Borax	3	NO	NO	NO
101563-165	TEMPRID SC-F INSECTICIDE	0.05	0.00	7	Cyfluthrin, beta; Imidacloprid	3	NO	NO	NO
64405-2	REDZONE BAIT	0.00	2.13	7	Boric acid	3	NO	NO	NO
9688-190-8845	SPECTRACIDE DESTROYER BRAND WASP & HORNET KILLER	1.41	0.00	6	Cyhalothrin, lambda; Prallethrin	3	NO	NO	NO
100-1498	DUPONT ADVION ANT GEL	0.01	0.07	6	Indoxacarb	3	NO	NO	NO
100-1484	DUPONT ADVION COCKROACH GEL BAIT	0.00	0.21	4	Indoxacarb	3	NO	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	IARC Carcin
499-496	PRESCRIPTION TREATMENT BRAND ADVANCE 360A DUAL CHOICE ANT BAIT STATIONS	0.00	0.00	1	Avermectin	3	NO	YES	NO
Herbicides									
83100-76	GF-1280	2.41	0.00	29	Glyphosate, dimethylammonium salt	3	NO	NO	YES
7969-464	FINALE XL	32.23	0.00	17	Glufosinate-ammonium	2	NO	NO	NO
7969-443	DERRINGER HERBICIDE	0.45	0.00	6	Glufosinate-ammonium	2	NO	NO	NO
7969-444	FINALE HERBICIDE	18.00	0.00	3	Glufosinate-ammonium	2	NO	NO	NO
42750-247	DUPONT KRENITE S BRUSH CONTROL AGENT	2.50	0.00	2	Fosamine, ammonium salt	3	NO	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 control through the citywide contract administered by DCAS. Table 24 summarizes pesticide use by pesticide type. Table 25 lists all pesticide products used by DOF in 2024.

Table 24: Types of Pesticides Used by DOF in 2024

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	2.5	67.9%	20	21.1%
Insecticide	0.2	0.0%	1.2	32.1%	75	78.9%
Totals	0.22		3.74		95	

Table 25: Pesticide Products Used by DOF in 2024 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	IARC Carcin
Rodenticides									
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	2.05	17	Difethialone	3	NO	NO	NO
7173-308	Chlorophacinone Soft Bait	0.00	0.38	2	Chlorophacinone	3	NO	NO	NO
12455-146	CONTRAC SOFT BAIT	0.00	0.11	1	Bromadiolone	3	NO	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	IARC Carcin
100-1484	DUPONT ADVION COCKROACH GEL BAIT	0.00	1.11	46	Indoxacarb	3	NO	NO	NO
101563-165	TEMPRID SC-F INSECTICIDE	0.13	0.00	17	Cyfluthrin, beta; Imidacloprid	3	NO	NO	NO
64405-2	REDZONE BAIT	0.00	0.09	6	Boric acid	3	NO	NO	NO
101563-4	SUSPEND SC INSECTICIDE	0.04	0.00	5	Deltamethrin	3	NO	NO	NO
89459-59	ENVI ACU CONTACT Insecticide	0.05	0.00	1	Phenylethyl propionate	3	NO	NO	NO

Fire Department

The Fire Department of New York City (FDNY) is responsible for protection against fires and fire hazards, and providing emergency medical services, technical rescue and response to various biological, chemical and radioactive hazards. FDNY manages some 350 facilities throughout the city and contracts for pest control services. Table 26 summarizes FDNY pesticide use by pesticide type. Table 27 lists all pesticide products used in 2024.

Table 26: Types of Pesticides Used by FDNY in 2024

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0	0.0%	519.13	71.9%	2,480	41.0%
Insecticide	7.13	100.0%	202.79	28.1%	3,572	59.0%
Totals	7.13		721.92		6,052	

Table 27: Pesticide Products Used by FDNY in 2024 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	IARC Carcin
Rodenticides									
7173-310	Bromethalin Soft Bait II	0.00	81.73	576	Bromethalin	3	NO	NO	NO
7173-308	Chlorophacinone Soft Bait	0.00	167.38	568	Chlorophacinone	3	NO	NO	NO
12455-146	CONTRAC SOFT BAIT	0.00	104.46	568	Bromadiolone	3	NO	NO	NO
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	66.34	514	Difethialone	3	NO	NO	NO
12455-69	CONTRAC RODENTICIDE	0.00	71.23	116	Bromadiolone	3	NO	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	23.83	110	Bromadiolone	3	NO	NO	NO
12455-89	FINAL ALL-WEATHER BLOX	0.00	2.20	18	Brodifacoum	3	NO	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	IARC Carcin
87235-4	MONARK SB	0.00	1.85	8	Difenacoum	3	NO	NO	NO
7173-205	GENERATION PELLETS	0.00	0.13	2	Difethialone	3	NO	NO	NO
Insecticides									
101563-4	SUSPEND SC INSECTICIDE	6.62	0.00	1,706	Deltamethrin	3	NO	NO	NO
100-1484	DUPONT ADVION COCKROACH GEL BAIT	0.00	4.86	933	Indoxacarb	3	NO	NO	NO
64405-2	REDZONE BAIT	0.00	168.16	604	Boric acid	3	NO	NO	NO
100-1498	DUPONT ADVION ANT GEL	0.00	2.34	116	Indoxacarb	3	NO	NO	NO
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.39	0.00	110	(7S)-Hydroprene	3	NO	NO	NO
499-550	TC-323	0.00	9.00	28	Prallethrin	3	NO	NO	NO
1021-2796	MGK Formula 3113	0.00	0.10	20	Clothianidin; Pyriproxyfen	0	NO	NO	NO
101563-165	TEMPRID SC-F INSECTICIDE	0.10	0.00	14	Cyfluthrin, beta; Imidacloprid	3	NO	NO	NO
499-370	PT 370 ASCEND FIRE ANT STOPPER BAIT	0.00	7.69	10	Avermectin	3	NO	YES	NO
53883-444	CSI 16-189 Concentrate	0.01	0.00	4	(7S)-Hydroprene, Pyriproxyfen, Imidacloprid	3	NO	NO	NO
68850-2	LABYRINTH TERMITE BAIT	0.00	9.39	4	Diffubenzuron	3	NO	NO	NO
53883-455	CSI 16-172A Aerosol	0.00	0.50	4	Imidacloprid, Indoxacarb, Novaluron, Pyriproxyfen	3	NO	NO	NO
53883-466-82540	Strike Max Alacer Ant Gel Bait	0.00	0.26	4	Indoxacarb	3	NO	NO	NO
101563-6	DELTA DUST	0.00	0.04	3	Deltamethrin	3	NO	NO	NO
53883-335	N + P Regulator	0.01	0.00	2	Pyriproxyfen; Novaluron	3	NO	NO	NO
2724-469	ZOECON (S)-HYDROPRENE ROACH CONTROL STATION II	0.00	0.00	2	(7S)-Hydroprene	3	NO	NO	NO
2724-786	RF2050 SPRAY	0.00	0.25	2	Tetramethrin; Ethofenprox; Piperonyl butoxide	3	YES	NO	NO
101563-93	TEMPO 1% PROFESSIONAL INSECTICIDE	0.00	0.13	2	Cyfluthrin	3	NO	NO	NO
100-1486	DUPONT ADVION COCKROACH BAIT ARENA	0.00	0.05	2	Indoxacarb	3	NO	NO	NO
499-561	TC-315	0.00	0.02	2	Dinotefuran	3	NO	NO	NO

Health + Hospitals

New York City Health + Hospitals (H+H) is an integrated healthcare delivery system with its own 522,000-member health plan, MetroPlus, and is the largest municipal healthcare organization in the country. H+H serves 1.1 million New Yorkers every year and more than 382,000 are uninsured. H+H provides comprehensive medical, mental health and substance abuse services through its more than 70 locations including 11 acute care hospitals, 5 skilled nursing facilities, and 6 large diagnostic and treatment centers. H+H Health and Home Care also provides in-home services for New Yorkers. Pest control protocols differ among facilities because each is managed separately. A few facilities have pest control professionals on staff, but the majority rely on outside contractors. Table 28 summarizes H+H pesticide use by pesticide type. Table 29 lists products by pesticide types in 2024.

Table 28: Types of Pesticides Used by H+H in 2024

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0	0.0%	235.73	44.5%	328	11.4%
Insecticide	1.91	100.0%	293.95	55.5%	2,542	88.6%
Totals	1.91		529.68		2,870	

Table 29: Pesticide Products Used by H+H in 2024 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	IARC Carcin
Rodenticides									
100-1055	WEATHERBLOK BAIT WITH BITREX	0.00	130.90	257	Brodifacoum	3	NO	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	91.44	36	Bromadiolone	3	NO	NO	NO
12455-56	DITRAC TRACKING POWDER	0.00	10.78	24	Diphacinone	2	NO	NO	NO
7173-297	BROMADIOLONE PASTE 0901	0.00	1.80	7	Bromadiolone	3	NO	NO	NO
7173-205	GENERATION PELLETS	0.00	0.81	4	Difethialone	3	NO	NO	NO
Insecticides									
100-1484	DUPONT ADVION COCKROACH GEL BAIT	0.00	40.56	1,304	Indoxacarb	3	NO	NO	NO
100-1498	DUPONT ADVION ANT GEL	0.00	21.44	428	Indoxacarb	3	NO	NO	NO
64405-37	Nibor-D Insecticide Foam + IGR	0.00	186.38	276	Disodium octaborate tetrahydrate; Pyriproxyfen	3	NO	NO	NO
73079-12	SILICIDE(TM)	0.00	37.81	252	Diatomaceous earth	3	NO	NO	NO
101563-59	TEMPO 10 WP INSECTICIDE	0.00	0.39	201	Cyfluthrin, beta	3	NO	NO	NO
89186-1	Aprehend	1.91	0.00	49	Beauveria bassiana GHA	3	NO	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	IARC Carcin
499-550	TC-323	0.00	4.81	13	Prallethrin	3	NO	NO	NO
6218-47	SUMMIT B.T.I. BRIQUETS	0.00	2.21	12	Bacillus thuringiensis subspecies Israelensis strain BMP 144	3	NO	NO	NO
499-507	PRESCRIPTION TREATMENT BRAND ALPINE COCKROACH GEL BAIT RESERVOIR	0.00	0.03	4	Dinotefuran	3	NO	NO	NO
499-568	PT ALPINE PRESSURIZED FLY BAIT	0.00	0.31	2	Dinotefuran	3	NO	NO	NO
2724-375	ALTOSID BRIQUETS	0.00	0.01	1	S-Methoprene	3	NO	NO	NO

Health and Mental Hygiene, Department of

The Department of Health and Mental Hygiene (The Health Department) protects and promotes the health of all New Yorkers. The Bureau of Veterinary and Pest Control Services at the Health Department protects the public from animal- and vector-borne diseases, and other hazards, including those that result from uncontrolled rodents or unregulated animals. Two programs, Pest Control Services (PCS) and Vector Surveillance and Control (VSC) have pest management responsibilities. VSC is charged with mosquito management and uses licensed pest management staff and outside contractors. PCS focuses on rodent control – performing inspections, cleanups, and treatments of both private and public property. Currently, PCS employs approximately 40 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. 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 28 and 29. The Healthy Homes Program in the Bureau of Environmental Disease and Injury Prevention uses a private contractor to provide high quality pest control in the homes of children with asthma. Pest management in facilities operated by the Health Department is done through private contractors. Table 30 summarizes the Health Department pesticide use by pesticide type. Table 31 lists all pesticide products used in 2024.

Table 30 Types of Pesticides Used by the Health Department in 2024

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	22532.9	27.3%	36,635	7.1%
Insecticide	396.5	100.0%	59882.1	72.7%	480,671	92.9%
Totals	396.45		82,414.95		517,306	

Table 31 Pesticide Products Used by the Health Department in 2024 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	IARC Carcin
Rodenticides									
12455-69	CONTRAC RODENTICIDE	0.00	13,219.75	18,629	Bromadiolone	3	NO	NO	NO
12455-90	FINAL RODENTICIDE	0.00	7,798.06	12,783	Brodifacoum	3	NO	NO	NO
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	726.87	3,124	Difethialone	3	NO	NO	NO
12455-133	CONTRAC WITH LUMITRACK	0.00	290.49	746	Bromadiolone	3	NO	NO	NO
100-1055	WEATHERBLOK BAIT WITH BITREX	0.00	283.92	454	Brodifacoum	3	NO	NO	NO
12455-146	CONTRAC SOFT BAIT	0.00	47.36	402	Bromadiolone	3	NO	NO	NO
7173-297	BROMADIOLONE PASTE 0901	0.00	82.42	344	Bromadiolone	3	NO	NO	NO
12455-139	Final Soft Bait	0.00	33.19	86	Brodifacoum	3	NO	NO	NO
7173-205	GENERATION PELLETS	0.00	12.75	17	Difethialone	3	NO	NO	NO
7173-310	Bromethalin Soft Bait II	0.00	6.84	15	Bromethalin	3	NO	NO	NO
7173-308	Chlorophacinone Soft Bait	0.00	13.31	12	Chlorophacinone	3	NO	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	3.94	9	Bromadiolone	3	NO	NO	NO
12455-36	CONTRAC RAT AND MOUSE BAIT	0.00	11.63	8	Bromadiolone	3	NO	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	2.35	6	Bromadiolone	3	NO	NO	NO
Insecticides									
73049-429	VECTOMAX FG	0.00	12,862.67	478,988	Bacillus sphaericus; Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52	3	NO	NO	NO
73049-10	VECTOBAC G BIOLOGICAL LARVICIDE GRANULES	0.00	40,050.46	877	Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52	3	NO	NO	NO
73049-20	VECTOLEX CG BIOLOGICAL LARVICIDE	0.00	966.81	382	Bacillus sphaericus	3	NO	NO	NO
100-1484	DUPONT ADVION COCKROACH GEL BAIT	0.00	8.68	141	Indoxacarb	3	NO	NO	NO
1021-1795-8329	DUET DUAL-ACTION ADULTICIDE	395.2325781	0	83	Phenothrin; Piperonyl butoxide; Prallethrin	3	YES	NO	NO
64405-2	REDZONE BAIT	0.00	2.71	68	Boric acid	3	NO	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	IARC Carcin
101563-4	SUSPEND SC INSECTICIDE	0.29	0.00	41	Deltamethrin	3	NO	NO	NO
101563-165	TEMPRID SC-F INSECTICIDE	0.22	0.00	28	Cyfluthrin, beta; Imidacloprid	3	NO	NO	NO
100-1498	DUPONT ADVION ANT GEL	0.00	0.51	21	Indoxacarb	3	NO	NO	NO
73049-501	VBC-60394 FG BIOLOGICAL LARVICIDE FINE GRANULE	0.00	5,990.00	20	Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52	3	NO	NO	NO
89459-59	ENVI ACU CONTACT Insecticide	0.69	0.00	12	Phenylethyl propionate	3	NO	NO	NO
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.02	0.00	6	(7S)-Hydroprene	3	NO	NO	NO
2724-469	ZOECON (S)-HYDROPRENE ROACH CONTROL STATION II	0.00	0.00	1	(7S)-Hydroprene	3	NO	NO	NO
499-370	PT 370 ASCEND FIRE ANT STOPPER BAIT	0.00	0.13	1	Avermectin	3	NO	YES	NO
53883-466-82540	Strike Max Alacer Ant Gel Bait	0.00	0.07	1	Indoxacarb	3	NO	NO	NO
100-1485	DUPONT ADVION ANT BAIT ARENA	0.00	0.03	1	Indoxacarb	3	NO	NO	NO

Homeless Services, Department of

The Department of Homeless Services (DHS) manages homeless shelters and dormitory facilities across NYC. Of these, six are Family Services operated, five provide dormitory facilities for families with children, one facility – Preventative Assistance and Temporary Housing (PATH) – is an intake facility, and five adult facilities 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 32 summarizes DHS pesticide use by pesticide type. Table 33 lists all pesticide products used in 2024.

Table 32: Types of Pesticides Used by DHS in 2024

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	101.3	73.6%	617	37.6%
Insecticide	3.9	100.0%	36.4	26.4%	1,023	62.4%
Totals	3.92		137.65		1,640	

Table 33: Pesticide Products Used by DHS in 2024 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	IARC Carcin
Rodenticides									
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	72.80	465	Difethialone	3	NO	NO	NO
7173-310	Bromethalin Soft Bait II	0.00	16.40	97	Bromethalin	3	NO	NO	NO
12455-146	CONTRAC SOFT BAIT	0.00	5.73	33	Bromadiolone	3	NO	NO	NO
7173-308	Chlorophacinone Soft Bait	0.00	5.75	20	Chlorophacinone	3	NO	NO	NO
12455-69	CONTRAC RODENTICIDE	0.00	0.56	2	Bromadiolone	3	NO	NO	NO
Insecticides									
100-1484	DUPONT ADVION COCKROACH GEL BAIT	0.00	25.94	613	Indoxacarb	3	NO	NO	NO
101563-4	SUSPEND SC INSECTICIDE	1.70	0.00	228	Deltamethrin	3	NO	NO	NO
64405-2	REDZONE BAIT	0.00	8.96	45	Boric acid	3	NO	NO	NO
100-1498	DUPONT ADVION ANT GEL	0.00	1.36	40	Indoxacarb	3	NO	NO	NO
89459-59	ENVI ACU CONTACT Insecticide	1.94	0.00	36	Phenylethyl propionate	3	NO	NO	NO
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.08	0.00	30	(7S)-Hydroprene	3	NO	NO	NO
101563-165	TEMPRID SC-F INSECTICIDE	0.20	0.00	26	Cyfluthrin, beta; Imidacloprid	3	NO	NO	NO
1021-2796	MGK Formula 3113	0.00	0.01	4	Clothianidin; Pyriproxyfen	0	NO	NO	NO
101563-119	BES 0026 FLY SPOT BAIT	0.00	0.13	1	Imidacloprid; (Z)-9-Tricosene	3	NO	NO	NO

Housing Authority

The New York City Housing Authority (NYCHA) manages more than 2,200 residential buildings and more than 170,000 apartments, as well as office space and grounds that cover approximately 2,300 acres. NYCHA currently has a staff of more than 100 pest management professionals who perform routine inspections and treatments, carry out specialized intensive integrated pest management 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 rodents, cockroaches and bed bugs, and exterior rats, and weeds. Mosquito control and supplemental treatments are done by vendor services. Table 34 summarizes NYCHA pesticide use by pesticide type on NYCHA property. Table 35 lists the products used in 2024.

Table 34: Types of Pesticides Used by NYCHA in 2024

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

Rodenticide	0	0.0%	19247.41	46.7%	70,942	30.6%
Insecticide	121.00	100.0%	21954.45	53.3%	160,695	69.4%
Totals	121.00		41,201.86		231,637	

Table 35: Pesticide Products Used by NYCHA in 2024 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	IARC Carcin
Rodenticides									
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	15,525.95	57,537	Difethialone	3	NO	NO	NO
12455-56	DITRAC TRACKING POWDER	0.00	383.69	9,833	Diphacinone	2	NO	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	1,302.56	1,283	Bromadiolone	3	NO	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.00	676.73	621	Bromadiolone	3	NO	NO	NO
12455-69	CONTRAC RODENTICIDE	0.00	884.72	544	Bromadiolone	3	NO	NO	NO
7173-297	BROMADIOLONE PASTE 0901	0.00	250.61	482	Bromadiolone	3	NO	NO	NO
12455-139	Final Soft Bait	0.00	123.96	454	Brodifacoum	3	NO	NO	NO
7173-308	Chlorophacinone Soft Bait	0.00	35.62	126	Chlorophacinone	3	NO	NO	NO
12455-146	CONTRAC SOFT BAIT	0.00	7.79	39	Bromadiolone	3	NO	NO	NO
12455-90	FINAL RODENTICIDE	0.00	52.42	16	Brodifacoum	3	NO	NO	NO
7173-113	ROZOL TRACKING POWDER	0.00	0.44	3	Chlorophacinone	2	NO	NO	NO
56-42	BAIT BLOCK RODENTICIDE WITH PEANUT BUTTER FLAVORIZ	0.00	0.17	2	Diphacinone	3	NO	NO	NO
12455-148	Rat Ice	0.00	2.00	1	Carbon dioxide	2	NO	NO	NO
12455-80	DITRAC ALL-WEATHER BLOX	0.00	0.75	1	Diphacinone	3	NO	NO	NO
Insecticides									
100-1484	DUPONT ADVION COCKROACH GEL BAIT	0.00	1,362.90	53,165	Indoxacarb	3	NO	NO	NO
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	39.00	0.00	47,247	(7S)-Hydroprene	3	NO	NO	NO
2724-469	ZOECON (S)-HYDROPRENE ROACH CONTROL STATION II	0.00	16,962.43	23,084	(7S)-Hydroprene	3	NO	NO	NO
100-1290	OPTIGARD COCKROACH GEL BAIT	0.00	309.00	12,481	Emamectin, benzoate	3	NO	NO	NO
101563-4	SUSPEND SC INSECTICIDE	5.30	0.00	4,024	Deltamethrin	3	NO	NO	NO
64405-2	REDZONE BAIT	0.00	1,227.97	3,858	Boric acid	3	NO	NO	NO
1021-2593	VENDETTA PLUS COCKROACH GEL BAIT	0.00	94.03	3,652	Avermectin; Pyriproxyfen	3	NO	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	IARC Carcin
1021-2776	VBC3 INSECTICIDE	64.36	0.00	2,526	Clothianidin; Piperonyl butoxide; Metofluthrin (ISO)	0	YES	NO	NO
101563-165	TEMPRID SC-F INSECTICIDE	2.77	0.00	2,434	Cyfluthrin, beta; Imidacloprid	3	NO	NO	NO
397-13	STERI-FAB	0.00	1,373.84	2,383	Phenothrin; Isopropyl alcohol; Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride; Didecyl dimethyl ammonium chloride	2	NO	NO	NO
101563-134	TEMPRID SC INSECTICIDE	0.46	0.00	1,901	Cyfluthrin, beta; Imidacloprid	3	NO	NO	NO
73766-1	GOURMET ANT BAIT GEL	0.00	12.52	848	Disodium octaborate tetrahydrate	3	NO	NO	NO
100-1679	Advion Trio	0.00	22.07	820	Indoxacarb; Pyriproxyfen; Novaluron	3	NO	NO	NO
53883-438	CSI 16-107G Indoxacarb Powder	0.00	9.67	507	Indoxacarb	3	NO	NO	NO
100-1486	DUPONT ADVION COCKROACH BAIT ARENA	0.00	306.32	438	Indoxacarb	3	NO	NO	NO
279-9554	CB INSECTICIDE WITH DELTAMETHRIN	0.00	77.63	326	Deltamethrin	3	NO	NO	NO
1021-2796	MGK Formula 3113	0.00	7.51	305	Clothianidin; Pyriproxyfen	0	NO	NO	NO
101563-119	BES 0026 FLY SPOT BAIT	0.00	154.30	154	Imidacloprid; (Z)-9-Tricosene	3	NO	NO	NO
9688-239-8845	HOT SHOT ULTRA LIQUID ROACH BAIT	1.35	0.00	86	Dinotefuran	3	NO	NO	NO
432-1531	BES0600 INSECTICIDE	0.00	6.13	85	Clothianidin	0	NO	NO	NO
73079-12	SILICIDE(TM)	0.00	9.00	68	Diatomaceous earth	3	NO	NO	NO
499-304	WHITMIRE OPTEM ME PT 600	0.05	0.00	67	Cyfluthrin	3	NO	NO	NO
499-550	TC-323	7.51	0.22	60	Prallethrin	3	NO	NO	NO
2724-352	ZOECON RF-291 EMULSIFIABLE CONCENTRATE WITH PRECOR	0.14	0.00	49	S-Methoprene	3	NO	NO	NO
73079-4	BORACTIN INSECTICIDE POWDER	0.00	14.56	45	Boric acid	3	NO	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	IARC Carcin
101563-47	MAXFORCE ROACH BAIT F.05	0.00	0.57	25	Fipronil	3	YES	NO	NO
100-1066	DEMAND CS INSECTICIDE	0.02	0.00	12	Cyhalothrin, lambda	3	NO	NO	NO
100-1498	DUPONT ADVION ANT GEL	0.00	0.36	11	Indoxacarb	3	NO	NO	NO
101563-49	PRODUCT: RBF5	0.00	0.17	11	Fipronil	3	YES	NO	NO
53883-415	CSI 16-105 Delta+Tekko Pro Aerosol	0.00	1.41	5	Deltamethrin; Novaluron; Pyriproxyfen	3	NO	NO	NO
2724-421	ZOECON RF-292 BRIQUET	0.00	0.26	4	S-Methoprene	3	NO	NO	NO
101563-86	TEMPO SC INSECTICIDE	0.00	0.00	3	Cyfluthrin, beta	3	NO	NO	NO
53883-276	DELTA 4.75% SC	0.00	0.00	2	Deltamethrin	3	NO	NO	NO
2724-484	RF 9707 AEROSOL	0.00	0.75	2	(7S)-Hydroprene	3	NO	NO	NO
499-568	PT ALPINE PRESSURIZED FLY BAIT	0.00	0.40	2	Dinotefuran	3	NO	NO	NO
89459-59	ENVI ACU CONTACT Insecticide	0.03	0.00	1	Phenylethyl propionate	3	NO	NO	NO
6218-47	SUMMIT B.T.I. BRIQUETS	0.00	0.23	1	Bacillus thuringiensis subspecies israelensis strain BMP 144	3	NO	NO	NO
101563-6	DELTA DUST	0.00	0.13	1	Deltamethrin	3	NO	NO	NO
100-1485	DUPONT ADVION ANT BAIT ARENA	0.00	0.05	1	Indoxacarb	3	NO	NO	NO
499-561	TC-315	0.00	0.01	1	Dinotefuran	3	NO	NO	NO

*NOTE: In some cases, the data reflect the amount of liquid insecticide when diluted with one gallon of water, not the amount of insecticide used during each application.

Housing Preservation and Development

Housing Preservation and Development (HPD) oversees occupied and vacant residential and commercial buildings, vacant lots, and a limited number of agency offices. In addition, its Emergency Repair Program occasionally encounters and responds to rats and fleas in occupied private buildings. HPD has no certified applicators on staff and contracts for pest management services. Table 36 summarizes HPD pesticide use by pesticide type. Table 37 lists all pesticide products used in 2024.

Table 36: Types of Pesticides Used by HPD in 2024

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0	0.0%	214.43	83.3%	306	48.9%
Insecticide	1.32	100.0%	42.92	16.7%	320	51.1%
Totals	1.32		257.36		626	

Table 37: Pesticide Products Used by HPD in 2024

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin	IARC Carcin
Rodenticides									
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	87.54	210	Difethialone	3	NO	NO	NO
12455-79	CONTRAC ALL- WEATHER BLOX	0.00	123.85	91	Bromadiolone	3	NO	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	2.94	2	Bromadiolone	3	NO	NO	NO
7173-304	BROMETHALIN SOFT BAIT	0.00	0.09	2	Bromethalin	3	NO	NO	NO
12455-146	CONTRAC SOFT BAIT	0.00	0.01	1	Bromadiolone	3	NO	NO	NO
Insecticides									
100-1498	DUPONT ADVION ANT GEL	0.00	34.41	95	Indoxacarb	3	NO	NO	NO
1021-2593	VENDETTA PLUS COCKROACH GEL BAIT	0.00	1.63	59	Avermectin; Pyriproxyfen	3	NO	YES	NO
101563-4	SUSPEND SC INSECTICIDE	0.62	0.00	58	Deltamethrin	3	NO	NO	NO
100-1484	DUPONT ADVION COCKROACH GEL BAIT	0.00	4.34	26	Indoxacarb	3	NO	NO	NO
101563-49	PRODUCT: RBF5	0.00	0.72	26	Fipronil	3	YES	NO	NO
53883-92	CYPER TC INSECTICIDE	0.38	0.01	21	Cypermethrin, beta	3	YES	NO	NO
101563-165	TEMPRID SC-F INSECTICIDE	0.15	0.00	16	Cyfluthrin, beta; Imidacloprid	3	NO	NO	NO
8033-109-279	TRANSPORT (R) MIKRON INSECTICIDE	0.04	0.00	4	Acetamiprid; Bifenthrin	3	YES	NO	NO
1021-1641- 57076	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.01	0.00	4	Esfenvalerate	3	NO	NO	NO
279-3206	TALSTAR TC FLOWABLE TERMITICIDE/INSECT ICIDE	0.09	0.00	3	Bifenthrin	3	YES	NO	NO
64405-2	REDZONE BAIT	0.00	1.25	2	Boric acid	3	NO	NO	NO
101563-119	BES 0026 FLY SPOT BAIT	0.00	0.50	2	Imidacloprid; (Z)-9-Tricosene	3	NO	NO	NO
1021-1828	MGK ROACH BAIT 2822	0.00	0.06	2	Avermectin	3	NO	YES	NO
89459-59	ENVI ACU CONTACT Insecticide	0.03	0.00	1	Phenylethyl propionate	3	NO	NO	NO
100-1218	DEMON MAX INSECTICIDE	0.00	0.00	1	Cypermethrin, beta	2	YES	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 38 summarizes HRA pesticide use by pesticide type. Table 39 lists the products used in 2024.

Table 38: Types of Pesticides Used by HRA in 2024

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0	0.0%	22.19	76.2%	113	17.0%
Insecticide	3.09	100.0%	6.94	23.8%	553	83.0%
Totals	3.09		29.13		666	

Table 39: Pesticide Products Used by HRA in 2024 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	IARC Carcin
Rodenticides									
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	8.22	57	Difethialone	3	NO	NO	NO
7173-308	Chlorophacinone Soft Bait	0.00	7.00	27	Chlorophacinone	3	NO	NO	NO
7173-310	Bromethalin Soft Bait II	0.00	2.72	14	Bromethalin	3	NO	NO	NO
12455-146	CONTRAC SOFT BAIT	0.00	2.67	8	Bromadiolone	3	NO	NO	NO
12455-69	CONTRAC RODENTICIDE	0.00	1.25	6	Bromadiolone	3	NO	NO	NO
87235-4	MONARK SB	0.00	0.33	1	Difenacoum	3	NO	NO	NO
Insecticides									
100-1484	DUPONT ADVION COCKROACH GEL BAIT	0.00	5.71	252	Indoxacarb	3	NO	NO	NO
101563-4	SUSPEND SC INSECTICIDE	1.69	0.00	183	Deltamethrin	3	NO	NO	NO
101563-165	TEMPRID SC-F INSECTICIDE	0.31	0.00	40	Cyfluthrin, beta; Imidacloprid	3	NO	NO	NO
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.12	0.00	31	(7S)-Hydroprene	3	NO	NO	NO
64405-2	REDZONE BAIT	0.00	0.87	16	Boric acid	3	NO	NO	NO
89459-59	ENVI ACU CONTACT Insecticide	0.97	0.00	15	Phenylethyl propionate	3	NO	NO	NO
100-1498	DUPONT ADVION ANT GEL	0.00	0.30	15	Indoxacarb	3	NO	NO	NO
499-550	TC-323	0.00	0.06	1	Prallethrin	3	NO	NO	NO

The New York Public Library (NYPL), through its 85 branches, services residents in the boroughs of Manhattan, the Bronx, and Staten Island. Pest management is provided by private contractors. No application data was provided by NYPL for 2024.

Parks and Recreation

New York City 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 more than 100 certified pesticide applicators. Herbicides account for the largest share of DPR's total pesticide use by weight. Contractors are hired for pest management when peripheral rodent problems arise on capital projects.

DPR reports include pesticides applied on all city-owned golf courses. Local Law 37 exempts these locations from pesticide prohibitions. These tables also include data from sister organizations that operate on DPR property, such as zoos, conservancies, and botanic gardens. Table 40 summarizes pesticide use by pesticide type. Table 41 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 in 2024. Appendix 2 includes a complete product listing for DPR.

Table 40: Types of Pesticides Used by DPR in 2024

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	3,725.19	42.4%	8,753.31	18.4%	5,259	29.6%
Insecticide	319.77	3.6%	8,688.18	18.3%	9950	56.1%
Herbicide	809.64	9.2%	21,989.44	46.2%	1161	6.5%
Fungicide	3,838.08	43.7%	8,133.03	17.1%	1289	7.3%
Other	93.16	1.1%	0.48	0.0%	90	0.5%
Totals	8,785.84		47,564.43		17,749	

Table 41: Ten Most Frequently Applied Pesticide Products by DPR in 2024 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	IARC Carcin
Rodenticides									
12455-69	CONTRAC RODENTICIDE	0.00	1,148.94	915	Bromadiolone	3	NO	NO	NO
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	189.70	726	Difethialone	3	NO	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	938.38	652	Bromadiolone	3	NO	NO	NO
12455-36	CONTRAC RAT AND MOUSE BAIT	0.13	1,163.13	627	Bromadiolone	3	NO	NO	NO
12455-146	CONTRAC SOFT BAIT	0.00	77.21	375	Bromadiolone	3	NO	NO	NO
12455-56	DITRAC TRACKING POWDER	0.00	6.42	208	Diphacinone	2	NO	NO	NO
12455-148	Rat Ice	0.00	3,945.00	198	Carbon dioxide	2	NO	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	IARC Carcin
12455-137	Rampage Pelleted Bait	0.00	24.03	197	Bromethalin	3	NO	NO	NO
12455-90	FINAL RODENTICIDE	0.00	184.75	156	Brodifacoum	3	NO	NO	NO
7173-205	GENERATION PELLETS	0.06	335.06	155	Difethialone	3	NO	NO	NO
Insecticides									
74578-12	TREE-AGE R10	71.87	0.00	7,886	Emamectin, benzoate	2	NO	NO	NO
101563-4	SUSPEND SC INSECTICIDE	3.46	1.13	478	Deltamethrin	3	NO	NO	NO
100-1484	DUPONT ADVION COCKROACH GEL BAIT	9.02	6.79	354	Indoxacarb	3	NO	NO	NO
100-1498	DUPONT ADVION ANT GEL	0.00	4.68	240	Indoxacarb	3	NO	NO	NO
74779-17	RTSA 4% EMAMECTIN BENZOATE	4.56	0	111	Emamectin, benzoate	3	NO	NO	NO
64405-2	REDZONE BAIT	0.00	28	102	Boric acid	3	NO	NO	NO
101563-165	TEMPRID SC-F INSECTICIDE	0.66	0	85	Cyfluthrin, beta; Imidacloprid	3	NO	NO	NO
499-550	TC-323	6.31	69	75	Prallethrin	3	NO	NO	NO
101563-6	DELTA DUST	0.00	2	52	Deltamethrin	3	NO	NO	NO
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.00	6.19	47	(7S)-Hydroprene	3	NO	NO	NO
Herbicides									
62719-527	GARLON 4 ULTRA	61.58	99.38	332	Triclopyr	2	NO	NO	NO
62719-176	PATHFINDER II	5.94	225.63	69	Triclopyr, butoxyethyl ester	3	NO	NO	NO
62719-519	MILESTONE	1.95	0.00	62	Aminopyralid, triisopropanolamine salt	3	NO	NO	NO
100-937	PRIMO MAXX	39.60	0.00	59	Trinexapac-ethyl	3	NO	NO	NO
228-743	NUP-18013	20.45	0.00	55	Glufosinate-ammonium	3	NO	NO	NO
62719-542	DIMENSION 2EW	64.57	0.00	50	Dithiopyr	2	NO	NO	NO
86064-3	ARMOR TECH PGR 113 MC	20.39	0.00	47	Trinexapac-ethyl	3	NO	NO	NO
89442-7	TRIN-PAC SELECT	19.64	0.00	46	Trinexapac-ethyl	3	NO	NO	NO
241-437-67690	CLEARCAST HERBICIDE	9.46	0.00	41	Imazamox	3	NO	NO	NO
62719-324	GLYPRO	6.08	0.00	33	Glyphosate, isopropylamine salt	3	NO	NO	YES
Fungicides									
68539-3	T-22G BIOLOGICAL PLANT PROTECTANT GRANULES	0.00	95.06	119	Trichoderma harzianum rifai strain KRL-AG2	3	NO	NO	NO
100-1364	DACONIL ACTION	822.76	6.25	107	Acibenzolar-S-methyl; Chlorothalonil	2	YES	NO	YES
53883-353	QUALI-PRO T-NEX	42.98	0.00	66	Trinexapac-ethyl	3	NO	NO	NO
101563-21	BANOL TURF AND ORNAMENTAL FUNGICIDE	136.39	0.00	60	Propamocarb hydrochloride	3	NO	NO	NO
228-630-86064	ArmorTech TMI 2020 FLO	132.37	0.00	41	Thiophanate-methyl; Iprodione	3	YES	YES	NO
86064-6	ArmorTech ZOXY 2F	55.67	0.00	34	Azoxystrobin	3	NO	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	IARC Carcin
101563-162	12ESP705 FUNGICIDE	0.00	1,056.50	34	Fosetyl-Al	3	NO	NO	NO
60063-7-10404	LESCO MANICRUE 6FL	297.64	0.00	31	Chlorothalonil	2	YES	NO	YES
69526-13	CIVITAS	110.00	0.00	29	Mineral oil	3	NO	NO	NO
89442-1	TEBUCONAZOLE 3.6 SELECT	41.99	0.00	27	Tebuconazole	3	YES	NO	NO
Other									
59807-4	HORMODIN 1	0.00	0.48	66	IBA	3	NO	NO	NO
60061-142	PETTIT NEPTUNE 5 HARD HYBRID ABLATIVE ANTIFOULING PAINT	17.00	0.00	17	Copper oxide (ous)	2	NO	NO	NO
70299-16-84732	GREEN STOP LIQUID ALGAECIDE	0.97	0.00	2	Hydrogen peroxide, Peroxyacetic acid	1	NO	NO	NO
73049-15	PROGIBB 4% PLANT GROWTH REGULATOR SOLUTION	0.00	0.00	2	Gibberellins	2	NO	NO	NO
63838-5	BROMMAX 7.1	70.00	0.00	1	Sodium bromide; Sodium hypochlorite	1	NO	NO	NO
14802-8-74466	MICROBE LIFE ALGAWAY 5.4 ALGAECIDE FOR PONDS	4.25	0.00	1	Poly(oxyethylene) (dimethylimino) ethylene (dimethylimino) ethylene dichloride	3	NO	NO	NO
70299-19	SANIDATE 5.0	0.94	0.00	1	Hydrogen peroxide, Peroxyacetic acid	1	NO	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, nine Housing Police Service Areas, and other investigative and specialized units. The major pest issues facing its facilities are structural pests (in and around buildings) and are managed by private contractors as needed. Table 42 summarizes NYPD pesticide use by pesticide type. Table 43 lists all pesticide products used in 2024.

Table 42 Types of Pesticides Used by NYPD in 2024

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0	0.0%	401.76	83.5%	1,685	54.1%
Insecticide	4.46	100.0%	79.58	16.5%	1,427	45.9%
Totals	4.46		481.34		3,112	

Table 43: Pesticide Products Used by NYPD in 2024 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	IARC Carcin
Rodenticides									
7173-308	Chlorophacinone Soft Bait	0.00	156.75	438	Chlorophacinone	3	NO	NO	NO
7173-310	Bromethalin Soft Bait II	0.00	58.66	437	Bromethalin	3	NO	NO	NO
12455-146	CONTRAC SOFT BAIT	0.00	79.50	350	Bromadiolone	3	NO	NO	NO
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	46.16	285	Difethialone	3	NO	NO	NO
12455-69	CONTRAC RODENTICIDE	0.00	45.88	103	Bromadiolone	3	NO	NO	NO
12455-89	FINAL ALL-WEATHER BLOX	0.00	4.59	36	Brodifacoum	3	NO	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	6.79	20	Bromadiolone	3	NO	NO	NO
87235-4	MONARK SB	0.00	3.44	16	Difenacoum	3	NO	NO	NO
Insecticides									
101563-4	SUSPEND SC INSECTICIDE	3.60	0.00	694	Deltamethrin	3	NO	NO	NO
100-1484	DUPONT ADVION COCKROACH GEL BAIT	0.00	6.02	375	Indoxacarb	3	NO	NO	NO
64405-2	REDZONE BAIT	0.00	72.10	218	Boric acid	3	NO	NO	NO
101563-165	TEMPRID SC-F INSECTICIDE	0.51	0.00	65	Cyfluthrin, beta; Imidacloprid	3	NO	NO	NO
100-1498	DUPONT ADVION ANT GEL	0.00	0.68	38	Indoxacarb	3	NO	NO	NO
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.07	0.00	18	(7S)-Hydroprene	3	NO	NO	NO
1021-2796	MGK Formula 3113	0.00	0.02	6	Clothianidin; Pyriproxyfen	0	NO	NO	NO
89459-59	ENVI ACU CONTACT Insecticide	0.14	0.00	4	Phenylethyl propionate	3	NO	NO	NO
53883-466-82540	Strike Max Alacer Ant Gel Bait	0.00	0.01	4	Indoxacarb	3	NO	NO	NO
2724-469	ZOECON (S)-HYDROPRENE ROACH CONTROL STATION II	0.00	0.00	2	(7S)-Hydroprene	3	NO	NO	NO
499-370	PT 370 ASCEND FIRE ANT STOPPER BAIT	0.00	0.75	2	Avermectin	3	NO	YES	NO
499-550	TC-323	0.14	0.00	1	Prallethrin	3	NO	NO	NO

Queens Public Libraries

The Queens Public Library (QPL) manages 64 libraries, as well as indoor, outdoor and office facilities. Contractors are hired for pest management as needed and the major pest infestations are roaches and mice. QPL reported no pesticide applications for 2024.

Sanitation, Department of

The Department of Sanitation (DSNY) manages garages, office buildings, transfer stations, and various publicly owned lots throughout the city. Because of the nature of the agency's work – managing garbage – pest problems are endemic at some facilities, so DSNY employs two certified pesticide applicators who make routine visits to facilities and respond to emergency calls. DSNY also contracts for weed control on some of the city's rights-of-way. Table 44 summarizes DSNY pesticide use by pesticide type. Table 45 lists the products used in 2024.

Table 44: Types of Pesticides Used by DSNY in 2024

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.00	0.0%	286.82	99.5%	449	25.5%
Insecticide	5.67	100.0%	1.31	0.5%	1,310	74.5%
Totals	5.67		288.13		1,759	

Table 45: List of Pesticides Applied by DSNY in 2024

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin	IARC Carcin
Rodenticides									
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.30	101.31	251	Difethialone	3	NO	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.47	268.20	218	Bromadiolone	3	NO	NO	NO
12455-89	FINAL ALL-WEATHER BLOX	0.00	32.76	29	Brodifacoum	3	NO	NO	NO
12455-139	Final Soft Bait	0.00	24.88	23	Brodifacoum	3	NO	NO	NO
56-42-8254	EATON'S ALL-WEATHER BAIT BLOCKS RODENTICIDE WITH MOLASSES/PEA NUT BUTTE	0.00	19.06	8	Diphacinone	3	NO	NO	NO
Insecticides									
2724-351-50809	ZOECON GENCOR 9% EMULSIFIABLE CONCENTRATE	3.16	0.00	631	(7S)-Hydroprene	3	NO	NO	NO
100-1066	DEMAND CS INSECTICIDE	0.75	0.99	488	Cyhalothrin, lambda	3	NO	NO	NO
432-763-62719	SUSPEND SC	0.57	0.09	135	Deltamethrin	3	NO	NO	NO
100-1484	DUPONT ADVION COCKROACH GEL BAIT	0.00	3.06	75	Indoxacarb	3	NO	NO	NO
101563-165	TEMPRID SC-F INSECTICIDE	0.41	0.00	52	Cyfluthrin, beta; Imidacloprid	3	NO	NO	NO
64405-2	REDZONE BAIT	0.00	0.09	26	Boric acid	3	NO	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	IARC Carcin
279-3206	TALSTAR TC FLOWABLE TERMITICIDE/INSECTICIDE	0.90	0.31	24	Bifenthrin	3	YES	NO	NO
73766-1	GOURMET ANT BAIT GEL	0.28	0.68	22	Disodium octaborate tetrahydrate	3	NO	NO	NO
499-550	TC-323	3.01	0.00	17	Prallethrin	3	NO	NO	NO
1021-2593	VENDETTA PLUS COCKROACH GEL BAIT	0.03	0.39	10	Avermectin; Pyriproxyfen	3	NO	YES	NO
89459-59	ENVI ACU CONTACT Insecticide	0.07	0.00	3	Phenylethyl propionate	3	NO	NO	NO
101563-4	SUSPEND SC INSECTICIDE	0.00	0.00	2	Deltamethrin	3	NO	NO	NO
499-462	PRO-CONTROL FOGGER IV	0.61	0.00	1	Pyrethrins; Cyfluthrin; Piperonyl butoxide	3	YES	NO	NO
499-557	Alpine WSG	0.00	0.27	1	Novaluron	3	NO	NO	NO
100-1498	DUPONT ADVION ANT GEL	0.00	0.04	1	Indoxacarb	3	NO	NO	NO

School Construction Authority

The School Construction Authority (SCA) designs and constructs safe, attractive and environmentally sound public schools for children throughout the many communities of New York City. They are dedicated to building and modernizing schools in a responsible, cost-effective manner while achieving the highest standards of excellence in safety, quality, and integrity. Table 46 summarizes pesticide use by pesticide type. Table 47 lists all pesticide products used by SCA in 2024.

Table 46: Types of Pesticides Used by SCA in 2024

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	943.9	99.5%	4,907	98.5%
Insecticide	0.1	100.0%	5.2	0.5%	75	1.5%
Totals	0.05		949.04		4,982	

Table 47: Pesticide Products Used by SCA in 2024

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin	IARC Carcin
Rodenticides									
7173-310	Bromethalin Soft Bait II	0.00	240.64	1,420	Bromethalin	3	NO	NO	NO
7173-308	Chlorophacinone Soft Bait	0.00	369.00	1,252	Chlorophacinone	3	NO	NO	NO
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	111.15	893	Difethialone	3	NO	NO	NO
12455-146	CONTRAC SOFT BAIT	0.00	128.79	812	Bromadiolone	3	NO	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	IARC Carcin
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	69.63	372	Bromadiolone	3	NO	NO	NO
12455-69	CONTRAC RODENTICIDE	0.00	15.19	86	Bromadiolone	3	NO	NO	NO
12455-89	FINAL ALL-WEATHER BLOX	0.00	7.58	62	Brodifacoum	3	NO	NO	NO
87235-4	MONARK SB	0.00	0.99	6	Difenacoum	3	NO	NO	NO
100-1055	WEATHERBLOK BAIT WITH BITREX	0.00	0.88	4	Brodifacoum	3	NO	NO	NO
Insecticides									
64405-2	REDZONE BAIT	0.00	3.00	28	Boric acid	3	NO	NO	NO
100-1484	DUPONT ADVION COCKROACH GEL BAIT	0.00	0.09	15	Indoxacarb	3	NO	NO	NO
101563-4	SUSPEND SC INSECTICIDE	0.05	0.00	12	Deltamethrin	3	NO	NO	NO
499-370	PT 370 ASCEND FIRE ANT STOPPER BAIT	0.00	1.25	8	Avermectin	3	NO	YES	NO
100-1498	DUPONT ADVION ANT GEL	0.00	0.71	8	Indoxacarb	3	NO	NO	NO
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.00	0.00	2	(7S)-Hydroprene	3	NO	NO	NO
499-550	TC-323	0.00	0.13	2	Prallethrin	3	NO	NO	NO

Transportation, Department of

The Department of Transportation (DOT) has a staff of more than 4,000 that oversees one of the most complex urban transportation networks in the world. 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 48 summarizes DOT pesticide use by pesticide type. Table 49 lists all pesticide products used in 2024.

Table 48: Types of Pesticides Used by DOT in 2024

Pesticide Type	Volume		Weight		Times Applied	
	Gallons	% of Total	Pounds	% of Total	Number	% of Total
Rodenticide	0.0	0.0%	41.5	90.1%	173	6.7%
Insecticide	0.5	0.1%	4.6	9.9%	194	7.5%
Herbicide	453.2	99.9%	0	0.0%	2,222	85.8%
Totals	453.74		46.07		2,589	

Table 49: Pesticide Products Used by DOT in 2024

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

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin	IARC Carcin
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	16.12	109	Difethialone	3	NO	NO	NO
7173-310	Bromethalin Soft Bait II	0.00	10.64	23	Bromethalin	3	NO	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	4.44	19	Bromadiolone	3	NO	NO	NO
7173-308	Chlorophacinone Soft Bait	0.00	5.63	11	Chlorophacinone	3	NO	NO	NO
12455-69	CONTRAC RODENTICIDE	0.00	3.63	7	Bromadiolone	3	NO	NO	NO
12455-146	CONTRAC SOFT BAIT	0.00	1.06	4	Bromadiolone	3	NO	NO	NO
Insecticides									
100-1484	DUPONT ADVION COCKROACH GEL BAIT	0.00	3.72	87	Indoxacarb	3	NO	NO	NO
101563-165	TEMPRID SC-F INSECTICIDE	0.41	0.00	53	Cyfluthrin, beta; Imidacloprid	3	NO	NO	NO
64405-2	REDZONE BAIT	0.00	0.53	36	Boric acid	3	NO	NO	NO
100-1498	DUPONT ADVION ANT GEL	0.00	0.32	10	Indoxacarb	3	NO	NO	NO
101563-4	SUSPEND SC INSECTICIDE	0.05	0.00	7	Deltamethrin	3	NO	NO	NO
89459-59	ENVI ACU CONTACT Insecticide	0.05	0.00	1	Phenylethyl propionate	3	NO	NO	NO
Herbicides									
101563-144	ESPLANADE 200 SC	5.27	0.00	358	Indaziflam	3	NO	NO	NO
228-534	NUFARM POLARIS HERBICIDE	52.50	0.00	354	Imazapyr, isopropylamine salt	3	NO	NO	NO
101563-177	METHOD 240SL HERBICIDE	10.20	0.00	354	Aminocyclopyrachl or potassium salt	3	NO	NO	NO
7969-443	DERRINGER HERBICIDE	198.95	0.00	353	Glufosinate-ammonium	2	NO	NO	NO
62719-519	MILESTONE	20.19	0.00	352	Aminopyralid, triisopropanolamine salt	3	NO	NO	NO
62719-176	PATHFINDER II	86.48	0.00	319	Triclopyr, butoxyethyl ester	3	NO	NO	NO
62719-527	GARLON 4 ULTRA	62.01	0.00	99	Triclopyr	2	NO	NO	NO
53883-505	PRAMITOL 25E	15.00	0.00	21	Prometon	3	NO	NO	NO
101563-188	DUPONT VIEWPOINT HERBICIDE	2.59	0.00	8	Aminocyclopyrachl or; Imazapyr; Metsulfuron-methyl	3	NO	NO	NO
228-397	RIVERDALE VANQUISH HERBICIDE	0.03	0.00	4	Dicamba, diglycolamine salt	3	NO	NO	NO

APPENDIX 1: Complete Listing of Pesticide Products Used by New York City Agencies by Pesticide Type in 2024

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox. Cat.	EPA Carcin	CA Dev. Toxin	IARC Carcin
Rodenticides									
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.30	24018.72	78501	Difethialone	3	NO	NO	NO
12455-69	CONTRAC RODENTICIDE	0.00	16039.94	20833	Bromadiolone	3	NO	NO	NO
12455-90	FINAL RODENTICIDE	0.00	8035.23	12955	Brodifacoum	3	NO	NO	NO
12455-56	DITRAC TRACKING POWDER	0.00	402.30	10114	Diphacinone	2	NO	NO	NO
12455-146	CONTRAC SOFT BAIT	0.00	654.00	3101	Bromadiolone	3	NO	NO	NO
7173-310	Bromethalin Soft Bait II	0.00	475.37	2982	Bromethalin	3	NO	NO	NO
7173-308	Chlorophacinone Soft Bait	0.00	884.81	2835	Chlorophacinone	3	NO	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	1.06	2682.79	2794	Bromadiolone	3	NO	NO	NO
100-1055	WEATHERBLOK BAIT WITH BITREX	0.00	1323.50	1902	Brodifacoum	3	NO	NO	NO
7173-297	BROMADIOLONE PASTE 0901	0.00	372.55	1008	Bromadiolone	3	NO	NO	NO
12455-36	CONTRAC RAT AND MOUSE BAIT	0.13	1419.75	844	Bromadiolone	3	NO	NO	NO
12455-133	CONTRAC WITH LUMITRACK	0.00	325.24	832	Bromadiolone	3	NO	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.00	806.20	677	Bromadiolone	3	NO	NO	NO
12455-139	Final Soft Bait	0.00	213.04	629	Brodifacoum	3	NO	NO	NO
7173-304	BROMETHALIN SOFT BAIT	0.00	78.41	488	Bromethalin	3	NO	NO	NO
82744-2-56	JT EATON NECTUS SOFT BAIT 2G SECOND GENERATION RODENTICIDE	0.00	283.80	425	Bromadiolone	3	NO	NO	NO
7173-202	MAKI MINI BLOCKS	0.00	279.91	326	Bromadiolone	3	NO	NO	NO
12455-76	CONTRAC RODENTICIDE READY TO USE PLACE PAC	0.47	268.20	218	Bromadiolone	3	NO	NO	NO
12455-148	Rat Ice	0.00	4362.00	207	Carbon dioxide	2	NO	NO	NO
12455-137	Rampage Pelleted Bait	0.00	24.03	197	Bromethalin	3	NO	NO	NO
12455-89	FINAL ALL-WEATHER BLOX	0.00	72.25	182	Brodifacoum	3	NO	NO	NO
7173-205	GENERATION PELLETS	0.06	350.00	179	Difethialone	3	NO	NO	NO
12455-95	FASTRAC ALL-WEATHER BLOX	0.00	49.94	111	Bromethalin	3	NO	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	IARC Carcin
7173-313	IGI CARBON DIOXIDE	13876.96	0.00	109	Carbon dioxide	2	NO	NO	NO
12455-106	TERAD3 BLOX	0.00	96.88	81	Cholecalciferol	3	NO	NO	NO
7173-218	GENERATION MINI BLOCKS	0.00	48.59	66	Difethialone	3	NO	NO	NO
12455-75	CONTRAC RAT AND MOUSE BAIT READY TO USE PLACE PAC	0.00	16.75	61	Bromadiolone	3	NO	NO	NO
87235-1-88689	EZ SOFT - SOFT BAIT RODENTICIDE	0.00	11.51	40	Bromadiolone	3	NO	NO	NO
87235-4	MONARK SB	0.00	7.61	34	Difenacoum	3	NO	NO	NO
12455-162	Cholecalciferol Blox	0.00	144.09	29	Cholecalciferol	3	NO	NO	NO
12455-137-3240	RAMPAGE PELLETED BAIT	0.01	0.66	20	Bromethalin	3	NO	NO	NO
12455-97	FASTRAC PLACE PACS	0.00	2.61	16	Bromethalin	3	NO	NO	NO
12455-80	DITRAC ALL-WEATHER BLOX	0.00	17.35	15	Diphacinone	3	NO	NO	NO
7173-113	ROZOL TRACKING POWDER	0.00	2.69	15	Chlorophacinone	2	NO	NO	NO
7173-188	MAKI RAT AND MOUSE BAIT PACKS (PELLETS)	0.00	29.00	11	Bromadiolone	3	NO	NO	NO
12455-61	LIQUA-TOX II	0.17	0.00	10	Diphacinone, sodium salt	3	NO	NO	NO
56-42-8254	EATON'S ALL-WEATHER BAIT BLOCKS RODENTICIDE WITH MOLASSES/PEANUT BUTTE	0.00	19.06	8	Diphacinone	3	NO	NO	NO
12455-132-3240	TOMCAT WITH BROMETHALIN BAIT CHUNX	0.00	5.00	6	Bromethalin	3	NO	NO	NO
56-42	BAIT BLOCK RODENTIICDE WITH PEANUT BUTTER FLAVORIZ	0.00	1.42	6	Diphacinone	3	NO	NO	NO
7173-238	GENERATION MEAL	0.00	5.50	4	Difethialone	3	NO	NO	NO
91601-1	ContraPest®	0.00	1.52	3	4-Vinylcyclohexene diepoxide; Triptolide	3	NO	NO	YES
7173-258-3282	D-CON BAIT PASTE POUCHES	0.00	1.81	2	Difethialone	3	NO	NO	NO
7173-172	ROZOL BLUE TRACKING POWDER	0.13	0.00	1	Chlorophacinone	2	NO	NO	NO
12455-17	ZP RODENT BAIT AG	0.00	7.50	1	Zinc phosphide	3	NO	NO	NO
7969-382	Selontra Rodent Bait	0.00	1.32	1	Cholecalciferol	3	NO	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	IARC Carcin
61282-97-56	JT Eaton™ Answer® Kills Mice with Reusable Bait Station A	0.00	0.31	1	Bromethalin	3	NO	NO	NO
Insecticides									
73049-429	VECTOMAX FG	0.00	12867.49	479020	Bacillus sphaericus; Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52	3	NO	NO	NO
100-1484	DUPONT ADVION COCKROACH GEL BAIT	9.02	1552.66	64371	Indoxacarb	3	NO	NO	NO
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	40.48	6.19	47749	(7S)-Hydroprene	3	NO	NO	NO
2724-469	ZOECON (S)-HYDROPRENE ROACH CONTROL STATION II	0.51	16966.79	23121	(7S)-Hydroprene	3	NO	NO	NO
64405-2	REDZONE BAIT	0.00	10798.12	16991	Boric acid	3	NO	NO	NO
100-1290	OPTIGARD COCKROACH GEL BAIT	0.00	309.00	12481	Emamectin, benzoate	3	NO	NO	NO
101563-4	SUSPEND SC INSECTICIDE	27.50	1.15	8033	Deltamethrin	3	NO	NO	NO
499-510	PRESCRIPTION TREATMENT BRAND ALPINE COCKROACH GEL BAIT PISTON CAN	0.00	80.70	7887	Dinotefuran	3	NO	NO	NO
74578-12	TREE-AGE R10	71.87	0.00	7886	Emamectin, benzoate	2	NO	NO	NO
1021-2593	VENDETTA PLUS COCKROACH GEL BAIT	0.66	123.03	4953	Avermectin; Pyriproxyfen	3	NO	YES	NO
101563-165	TEMPRID SC-F INSECTICIDE	8.69	0.00	3286	Cyfluthrin, beta; Imidacloprid	3	NO	NO	NO
397-13	STERI-FAB	9.25	1380.96	2562	Phenothrin; Isopropyl alcohol; Alkyl (60%C14, 25%C12, 15%C16) dimethylbenzyl ammonium chloride; Didecyl dimethyl ammonium chloride	2	NO	NO	NO
1021-2776	VBC3 INSECTICIDE	64.36	0.00	2526	Clothianidin; Piperonyl butoxide; Metofluthrin (ISO)	0	YES	NO	NO
101563-134	TEMPRID SC INSECTICIDE	0.46	0.00	1901	Cyfluthrin, beta; Imidacloprid	3	NO	NO	NO
100-1498	DUPONT ADVION ANT GEL	0.01	81.78	1854	Indoxacarb	3	NO	NO	NO
73079-6	GREEN ZONE GRANULAR BAIT	0.00	199.41	1043	Boric acid	3	NO	NO	NO
73766-1	GOURMET ANT BAIT GEL	0.28	13.68	911	Disodium octaborate tetrahydrate	3	NO	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	IARC Carcin
73049-10	VECTOBAC G BIOLOGICAL LARVICIDE GRANULES	0.00	40050.46	877	Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52	3	NO	NO	NO
100-1679	Advion Trio	0.00	22.07	820	Indoxacarb; Pyriproxyfen; Novaluron	3	NO	NO	NO
2724-351-50809	ZOECON GENCOR 9% EMULSIFIABLE CONCENTRATE	3.16	0.00	631	(7S)-Hydroprene	3	NO	NO	NO
53883-438	CSI 16-107G Indoxacarb Powder	0.00	9.67	507	Indoxacarb	3	NO	NO	NO
100-1066	DEMAND CS INSECTICIDE	0.77	1.43	505	Cyhalothrin, lambda	3	NO	NO	NO
100-1486	DUPONT ADVION COCKROACH BAIT ARENA	0.00	322.88	472	Indoxacarb	3	NO	NO	NO
1021-2796	MGK Formula 3113	0.00	8.95	410	Clothianidin; Pyriproxyfen	0	NO	NO	NO
73049-20	VECTOLEX CG BIOLOGICAL LARVICIDE	0.00	966.81	382	Bacillus sphaericus	3	NO	NO	NO
279-9554	CB INSECTICIDE WITH DELTAMETHRIN	0.00	89.61	352	Deltamethrin	3	NO	NO	NO
73079-12	SILICIDE(TM)	0.00	47.06	321	Diatomaceous earth	3	NO	NO	NO
499-550	TC-323	27.98	110.69	280	Prallethrin	3	NO	NO	NO
64405-37	Nibor-D Insecticide Foam + IGR	0.00	187.38	280	Disodium octaborate tetrahydrate; Pyriproxyfen	3	NO	NO	NO
101563-119	BES 0026 FLY SPOT BAIT	46.59	155.71	240	Imidacloprid; (Z)-9-Tricosene	3	NO	NO	NO
89459-59	ENVI ACU CONTACT Insecticide	12.88	3.28	218	Phenylethyl propionate	3	NO	NO	NO
101563-59	TEMPO 10 WP INSECTICIDE	0.00	0.48	205	Cyfluthrin, beta	3	NO	NO	NO
432-763-62719	SUSPEND SC	0.66	0.09	140	Deltamethrin	3	NO	NO	NO
73079-14	IMIDACLOPRID GRANULAR BAIT	0.00	13.41	135	Imidacloprid	3	NO	NO	NO
101563-122	MAXFORCE FC ROACH KILLER BAIT GEL F.05	0.00	4.14	132	Fipronil	3	YES	NO	NO
1021-1641-57076	CONQUER RESIDUAL INSECTICIDE CONCENTRATE	0.31	0.00	115	Esfenvalerate	3	NO	NO	NO
74779-17	RTSA 4% EMAMECTIN BENZOATE	4.56	0.00	111	Emamectin, benzoate	3	NO	NO	NO
53883-424-82540	Strike Max Alacer Roach Gel Bait	0.00	0.07	111	Indoxacarb	3	NO	NO	NO
432-1531	BES0600 INSECTICIDE	0.00	6.56	109	Clothianidin	0	NO	NO	NO
101563-140	MAXFORCE QUANTUM ANT BAIT	0.00	2.54	108	Imidacloprid	3	NO	NO	NO
9688-239-8845	HOT SHOT ULTRA LIQUID ROACH BAIT	1.35	0.00	86	Dinotefuran	3	NO	NO	NO
1021-1795-8329	DUET DUAL-ACTION ADULTICIDE	395.23	0.00	83	Phenothrin; Piperonyl butoxide; Prallethrin	3	YES	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	IARC Carcin
101563-86	TEMPO SC INSECTICIDE	15.66	0.00	83	Cyfluthrin, beta	3	NO	NO	NO
89459-84	RF2228 LH AEROSOL	10.98	0.00	76	Cyhalothrin, lambda; (7S)-Hydroprene	3	NO	NO	NO
499-304	WHITMIRE OPTEM ME PT 600	0.05	0.00	67	Cyfluthrin	3	NO	NO	NO
101563-6	DELTA DUST	0.01	2.92	62	Deltamethrin	3	NO	NO	NO
64405-8	NIBOR BORATE INSECTICIDE AND FUNGICIDE	0.00	57.09	56	Disodium octaborate tetrahydrate	3	NO	NO	NO
499-473	WHITMIRE MICRO-GEN TC 205 INJECTION SYSTEM	10.56	0.00	53	Cyhalothrin, lambda	3	NO	NO	NO
2724-352	ZOECON RF-291 EMULSIFIABLE CONCENTRATE WITH PRECOR	0.21	0.00	53	S-Methoprene	3	NO	NO	NO
499-507	PRESCRIPTION TREATMENT BRAND ALPINE COCKROACH GEL BAIT RESERVOIR	0.00	1.96	53	Dinotefuran	3	NO	NO	NO
89186-1	Aprehend	1.91	0.00	49	Beauveria bassiana GHA	3	NO	NO	NO
101563-49	PRODUCT: RBF5	0.23	1.09	49	Fipronil	3	YES	NO	NO
73079-4	BORACTIN INSECTICIDE POWDER	0.00	14.56	45	Boric acid	3	NO	NO	NO
9688-190-8845	SPECTRACIDE DESTROYER BRAND WASP & HORNET KILLER	6.88	26.56	44	Cyhalothrin, lambda; Prallethrin	3	NO	NO	NO
499-370	PT 370 ASCEND FIRE ANT STOPPER BAIT	0.00	11.03	32	Avermectin	3	NO	YES	NO
499-561	TC-315	0.00	0.38	32	Dinotefuran	3	NO	NO	NO
101563-47	MAXFORCE ROACH BAIT F.05	0.00	0.66	31	Fipronil	3	YES	NO	NO
279-3206	TALSTAR TC FLOWABLE TERMITICIDE/INSECTICIDE	0.99	1.13	29	Bifenthrin	3	YES	NO	NO
2724-484	RF 9707 AEROSOL	0.80	6.69	29	(7S)-Hydroprene	3	NO	NO	NO
6218-47	SUMMIT B.T.I. BRIQUETS	0.01	49.07	29	Bacillus thuringiensis subspecies israelensis strain BMP 144	3	NO	NO	NO
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	0.14	29	Avermectin	3	NO	YES	NO
53883-244-66222	QUALI-PRO LAMBDA GC-0	12.07	0.00	28	Cyhalothrin, lambda	2	NO	NO	NO
2724-786-89459	Zenprox Wasp-X2 Spray	7.57	0.00	27	Tetramethrin; Piperonyl butoxide; Ethofenprox	3	YES	NO	NO
53883-514	QUALI-PRO IMIDACLOPRID 2F TURF & ORNAMENTAL INSECTICIDE	36.98	0.00	26	Imidacloprid	3	NO	NO	NO
53883-92	CYPER TC INSECTICIDE	0.38	0.01	21	Cypermethrin, beta	3	YES	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	IARC Carcin
73049-501	VBC-60394 FG BIOLOGICAL LARVICIDE FINE GRANULE	0.00	5990.00	20	Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52	3	NO	NO	NO
53883-276	DELTA 4.75% SC	17.05	0.00	19	Deltamethrin	3	NO	NO	NO
4-80	BONIDE HORTICULTURAL AND DORMANT SPRAY OIL	0.77	0.00	19	Mineral oil	3	NO	NO	NO
71532-28-91026	FENVASTAR ECOCAP	0.00	2.50	19	Esfenvalerate	3	NO	NO	NO
241-392	PHANTOM TERMITICIDE-INSECTICIDE	2.27	0.13	18	Chlorfenapyr	3	YES	NO	NO
70051-2-59807	TRIACT 70	2.24	0.00	18	Neem oil	3	NO	NO	NO
100-1551	Ference	13.20	0.00	17	Cytraniliprole	0	NO	NO	NO
87290-24	WILLOWOOD LAMBDA-CY 1 EC	12.43	0.00	16	Cyhalothrin, lambda	2	NO	NO	NO
1021-1815	EVERCIDE ESFENVALERATE 6.4% CS	0.01	0.00	16	Esfenvalerate	3	NO	NO	NO
101563-23	DRIONE INSECTICIDE	0.00	1.59	15	Pyrethrins; Piperonyl butoxide; Silica gel	3	YES	NO	NO
86203-11-59639	SAFARI 20SG INSECTICIDE	0.44	60.00	14	Dinotefuran	3	NO	NO	NO
73049-56	VECTOBAC WDG BIOLOGICAL LARVICIDE	0.00	17.60	14	Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52	3	NO	NO	NO
499-568	PT ALPINE PRESSURIZED FLY BAIT	0.00	3.46	13	Dinotefuran	3	NO	NO	NO
1021-2574	MGK FORMULA 2964	0.00	2.00	13	Esfenvalerate; Prallethrin; Piperonyl butoxide	3	YES	NO	NO
64405-2-74455	ECOLOGICAL ANT & INSECT BAIT	0.03	3.31	12	Boric acid	3	NO	NO	NO
73079-2	INTICE GRANULAR BAIT	0.00	0.29	12	Boric acid	3	NO	NO	NO
100-1485	DUPONT ADVION ANT BAIT ARENA	0.00	0.28	12	Indoxacarb	3	NO	NO	NO
53883-366	QUALI-PRO BIFENTHRIN GOLF & NURSERY 7 9F	4.83	0.00	10	Bifenthrin	3	YES	NO	NO
53883-466-82540	Strike Max Alacer Ant Gel Bait	0.00	0.35	10	Indoxacarb	3	NO	NO	NO
101563-46	MAXFORCE FC ANT BAIT STATIONS	0.00	0.15	9	Fipronil	3	YES	NO	NO
149-8-64405	TERRO PCO LIQUID ANT BAIT	0.08	0.00	7	Borax	3	NO	NO	NO
53883-444	CSI 16-189 Concentrate	0.02	0.00	7	(7S)-Hydroprene, Pyriproxyfen, Imidacloprid	3	NO	NO	NO
53883-365	QUALI-PRO BIFENTHRIN I/T 7.9F	1.70	0.00	6	Bifenthrin	3	YES	NO	NO
62719-523	BLACKHAWK	0.00	21.44	6	Spinosad	3	NO	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	IARC Carcin
432-1312-73220	QUALI-PRO IMIDACLOPRID 2F	12.25	0.00	5	Imidacloprid	3	NO	NO	NO
74578-10	TREE-AGE G4	2.41	0.00	5	Emamectin, benzoate	3	NO	NO	NO
89442-24	BIFEN G/N 7.9SC SELECT	0.80	0.00	5	Bifenthrin	3	YES	NO	NO
4-419	BONIDE ALL SEASONS HORTICULTURAL SPRAY OIL RTU	0.26	0.00	5	Mineral oil	3	NO	NO	NO
53883-389	CSI 16-145 Lambda Cyhalothrin	0.00	0.00	5	Cyhalothrin, lambda	3	NO	NO	NO
100-1636	Provaunt WDG	0.00	48.84	5	Indoxacarb	3	NO	NO	NO
53883-415	CSI 16-105 Delta+Tekko Pro Aerosol	0.00	1.41	5	Deltamethrin; Novaluron; Pyriproxyfen	3	NO	NO	NO
101563-93	TEMPO 1% PROFESSIONAL INSECTICIDE	0.00	1.06	5	Cyfluthrin	3	NO	NO	NO
53883-455	CSI 16-172A Aerosol	0.00	0.63	5	Imidacloprid, Indoxacarb, Novaluron, Pyriproxyfen	3	NO	NO	NO
73049-39	DIPEL DF DRY FLOWABLE BIOLOGICAL INSECTICIDE	0.00	0.12	5	Bacillus thuringiensis, subsp. Kurstaki, strain ABTS-351, fermentation solids and solubles	3	NO	NO	NO
279-3457	TRIPLE CROWN GOLF INSECTICIDE	3.05	0.00	4	Bifenthrin; Cypermethrin, zeta; Imidacloprid	2	YES	NO	NO
100-1489	DUPONT ACELEPRYN INSECTICIDE	2.52	0.00	4	Chlorantraniliprole	0	NO	NO	NO
86869-5	LAMBDA SELECT	0.93	0.00	4	Cyhalothrin, lambda	2	NO	NO	NO
82074-1	MYCOTROL ES	0.05	0.00	4	Beauveria bassiana GHA	3	NO	NO	NO
8033-109-279	TRANSPORT (R) MIKRON INSECTICIDE	0.04	0.00	4	Acetamiprid; Bifenthrin	3	YES	NO	NO
73049-498	PROGIBB LV PLUS PLANT GROWTH REGULATOR SOLUTION	0.00	0.00	4	Gibberellins	3	NO	NO	NO
68850-2	LABYRINTH TERMITE BAIT	0.00	9.39	4	Diffubenzuron	3	NO	NO	NO
101563-14	DELTA GARD G INSECTICIDE GRANULE	0.00	8.63	4	Deltamethrin	3	NO	NO	NO
53883-384	CSI WASP KILLER	0.00	0.75	4	Prallethrin	3	NO	NO	NO
2724-421	ZOECON RF-292 BRIQUET	0.00	0.26	4	S-Methoprene	3	NO	NO	NO
53883-283	DM DUST 0.05% INSECTICIDE	0.00	0.04	4	Deltamethrin	3	NO	NO	NO
69526-5	PURESpray SPRAY OIL 10E	16.41	0.00	3	Mineral oil	3	NO	NO	NO
101563-60	MERIT 2F INSECTICIDE	12.35	0.00	3	Imidacloprid	3	NO	NO	NO
100-1088	SCIMITAR GC INSECTICIDE	5.65	0.00	3	Cyhalothrin, lambda	3	NO	NO	NO
432-1312-67760	GARANT T&O 2F	4.13	0.00	3	Imidacloprid	3	NO	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	IARC Carcin
9688-190	CHEMSICO WASP & HORNET KILLER LE	0.72	0.00	3	Cyhalothrin, lambda; Prallethrin	3	NO	NO	NO
71711-4-67690	SEPRO AKARI 5SC MITICIDE/INSECTICIDE	0.55	0.00	3	Fenpyroximate	2	NO	NO	NO
62719-291	CONSERVE SC TURF AND ORNAMENTAL	0.11	0.00	3	Spinosad	3	NO	NO	NO
48813-1-68539	SUFFOIL-X	0.09	1.00	3	Petroleum distillates	3	NO	NO	NO
100-1543	MAINSRING GH & N	0.02	0.00	3	Cyantraniliprole	0	NO	NO	NO
53883-335	N + P Regulator	0.01	0.00	3	Pyriproxyfen; Novaluron	3	NO	NO	NO
499-557	Alpine WSG	0.00	4.10	3	Novaluron	3	NO	NO	NO
85306-1	SELECT TCS	0.00	0.90	3	Fipronil	3	YES	NO	NO
432-1227-10404	LESCO SEVIN SL	11.19	0.00	2	Carbaryl	3	YES	YES	NO
5481-643	DYLOX 420 SL TURF AND ORNAMENTAL INSECTICIDE	3.40	0.00	2	Trichlorfon	3	YES	NO	NO
10163-324	M-PEDE INSECTICIDE/FUNGICIDE	2.00	0.47	2	Potassium laurate	2	NO	NO	NO
100-1487	PROVAUNT	1.13	0.00	2	Indoxacarb	3	NO	NO	NO
59639-96	DISTANCE INSECT GROWTH REGULATOR	0.12	0.00	2	Pyriproxyfen	3	NO	NO	NO
70506-121	UPI-2005 EXP-06 RUP INSECTICIDE	0.06	0.00	2	Cyhalothrin, lambda	2	NO	NO	NO
149-8	TERRO ANT KILLER II	0.02	0.00	2	Borax	3	NO	NO	NO
70506-537	FLORAMITE SC	0.01	0.00	2	Bifenazate	3	NO	NO	NO
81880-29-10163	Sanmite SC Miticide Insecticide	0.00	0.00	2	Pyridaben	3	NO	NO	NO
101563-143	SUSPEND POLYZONE	0.00	0.05	2	Deltamethrin	3	NO	NO	NO
5481-641	DYLOX 6.2 GRANULAR INSECTICIDE	0.00	1380.00	2	Trichlorfon	3	YES	NO	NO
5481-641-432	Dylox 6.2 Granular Insecticide	0.00	960.00	2	Trichlorfon	3	YES	NO	NO
100-1500	ACELEPRYN G	0.00	262.50	2	Chlorantraniliprole	0	NO	NO	NO
82074-2	BOTANIGARD 22WP	0.00	2.40	2	Beauveria bassiana GHA	3	NO	NO	NO
6218-86	MOSQUITO BITS	0.00	1.51	2	Bacillus thuringiensis subsp. israelensis, Strain SUM-6218	3	NO	NO	NO
71910-10	Zecken Rollen Tick Tubes	0.00	0.49	2	Permethrin	3	YES	NO	NO
2724-786	RF2050 SPRAY	0.00	0.25	2	Tetramethrin; Ethofenprox; Piperonyl butoxide	3	YES	NO	NO
1021-1828	MGK ROACH BAIT 2822	0.00	0.06	2	Avermectin	3	NO	YES	NO
5481-643-432	Dylox 420 SL	32.00	0.00	1	Trichlorfon	3	YES	NO	NO
70506-150	IMIGOLD 2F TURF & ORNAMENTAL INSECTICIDE	3.19	0.00	1	Imidacloprid	3	NO	NO	NO
64405-5	RTU WOOD PRESERVATIVE/PESTICIDE	1.00	0.00	1	Disodium octaborate tetrahydrate	3	NO	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	IARC Carcin
499-462	PRO-CONTROL FOGGER IV	0.61	0.00	1	Pyrethrins; Cyfluthrin; Piperonyl butoxide	3	YES	NO	NO
228-588	MALLET 75 WP	0.47	0.00	1	Imidacloprid	3	NO	NO	NO
100-1078	SCIMITAR CS INSECTICIDE	0.25	0.00	1	Cyhalothrin, lambda	3	NO	NO	NO
42750- 115-74779	XYTECT 2F INSECTICIDE	0.17	0.00	1	Imidacloprid	3	NO	NO	NO
70051-9- 59807	AZATIN O BIOLOGICAL INSECTICIDE	0.13	0.00	1	Azadirachtin	3	NO	NO	NO
9688-255- 8845	SPECTRACIDE COMMERCIAL WASP & HORNET KILLER 3	0.13	0.00	1	Deltamethrin; S- Bioallethrin	3	YES	NO	NO
2724-793	RF2067-EW	0.06	0.00	1	(S)-Kinoprene	3	NO	NO	NO
239-2699	ORTHO HOME DEFENSE INDOOR AND OUTDOOR INSECT KILLER 2	0.01	0.00	1	Bifenthrin	3	YES	NO	NO
101563-5	ESP005 Insecticide	0.01	0.00	1	Cyfluthrin, beta; Flupyradifurone	0	NO	NO	NO
101563- 130	SPIROTETRAMAT 240 SC GREENHOUSE AND NURSERY INSECTICIDE/MITICIDE	0.00	0.00	1	Spirotetramat	3	NO	NO	NO
499-496	PRESCRIPTION TREATMENT BRAND ADVANCE 360A DUAL CHOICE ANT BAIT STATIONS	0.00	0.00	1	Avermectin	3	NO	YES	NO
100-1218	DEMON MAX INSECTICIDE	0.00	0.00	1	Cypermethrin, beta	2	YES	NO	NO
49538-5	PHYTON-016-B	0.00	0.00	1	Copper sulfate (pentahydrate)	2	NO	NO	NO
961-427	TURF FERTILIZER WITH ACELEPRYN PLUS DIMENSION 167	0.00	5750.00	1	Dithiopyr, DPX- E2Y45	3	NO	NO	NO
53883-513	QUALI-PRO IMIDACLOPRID 75 WSB	0.00	1.00	1	Imidacloprid	3	NO	NO	NO
5481-13	ALCO FLY FIGHTER INSECT SPRAY PRESSURIZED	0.00	0.50	1	DDVP	3	YES	NO	YES
499-500	PRESCRIPTION TREATMENT BRAND ADVANCE COMPRESSED TERMITE BAIT II	0.00	0.19	1	Diflubenzuron	3	NO	NO	NO
59639- 170-74779	TRANSTECT 70WSP INSECTICIDE	0.00	0.11	1	Dinotefuran	3	NO	NO	NO
499-527	PRESCRIPTION TREATMENT BRAND ALPINE DUST INSECTICIDE	0.00	0.04	1	Dinotefuran; Diatomaceous earth	3	NO	NO	NO
2724-375	ALTOSID BRIQUETS	0.00	0.01	1	S-Methoprene	3	NO	NO	NO
Herbicides									
62719-527	GARLON 4 ULTRA	123.59	99.38	431	Triclopyr	2	NO	NO	NO
62719-519	MILESTONE	22.14	0.00	414	Aminopyralid, triisopropanolamin e salt	3	NO	NO	NO
62719-176	PATHFINDER II	92.42	225.63	388	Triclopyr, butoxyethyl ester	3	NO	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	IARC Carcin
7969-443	DERRINGER HERBICIDE	199.41	0.00	359	Glufosinate-ammonium	2	NO	NO	NO
101563-144	ESPLANADE 200 SC	5.27	0.00	358	Indaziflam	3	NO	NO	NO
228-534	NUFARM POLARIS HERBICIDE	52.50	0.00	354	Imazapyr, isopropylamine salt	3	NO	NO	NO
101563-177	METHOD 240SL HERBICIDE	10.20	0.00	354	Aminocyclopyrachlor potassium salt	3	NO	NO	NO
100-937	PRIMO MAXX	39.60	0.00	59	Trinexapac-ethyl	3	NO	NO	NO
228-743	NUP-18013	20.45	0.00	55	Glufosinate-ammonium	3	NO	NO	NO
62719-542	DIMENSION 2EW	64.57	0.00	50	Dithiopyr	2	NO	NO	NO
86064-3	ARMOR TECH PGR 113 MC	20.39	0.00	47	Trinexapac-ethyl	3	NO	NO	NO
89442-7	TRIN-PAC SELECT	19.64	0.00	46	Trinexapac-ethyl	3	NO	NO	NO
241-437-67690	CLEARCAST HERBICIDE	9.46	0.00	41	Imazamox	3	NO	NO	NO
62719-324	GLYPRO	6.08	0.00	33	Glyphosate, isopropylamine salt	3	NO	NO	YES
1001-91	GWN-6010 PLANT GROWTH REGULATOR	0.75	150.81	32	Prohexadione calcium	3	NO	NO	NO
10163-325	SCYTHE HERBICIDE	0.00	557.50	32	Nonanoic acid	2	NO	NO	NO
83100-76	GF-1280	2.43	0.00	30	Glyphosate, dimethylammonium salt	3	NO	NO	YES
67690-46	LEGACY TURF GROWTH REGULATOR	6.55	0.00	23	Trinexapac-ethyl; Flurprimidol	2	NO	NO	NO
53883-505	PRAMITOL 25E	15.00	0.00	21	Prometon	3	NO	NO	NO
432-950	ACCLAIM EXTRA HERBICIDE	6.19	0.00	20	Fenoxaprop-P (+)	3	NO	NO	NO
524-517	ACCORD XL HERBICIDE	1.66	0.00	19	Glyphosate, isopropylamine salt	3	NO	NO	YES
7969-464	FINALE XL	32.23	0.00	17	Glufosinate-ammonium	2	NO	NO	NO
62719-687	VASTLAN	18.26	0.00	17	Triclopyr, Choline Salt	2	NO	NO	NO
100-1267	TENACITY	0.28	0.00	16	Mesotrione	3	NO	NO	NO
101563-40	PROXY GROWTH REGULATOR	86.72	0.00	14	Ethephon	1	NO	NO	NO
7969-327	PYLEX HERBICIDE	0.50	0.00	12	Topramezone	3	NO	NO	NO
524-579	ROUNDUP PROMAX	9.08	0.00	10	Glyphosate, potassium salt	3	NO	NO	YES
67702-26	Fiesta Herbicide	210.08	0.00	9	Iron HEDTA	3	NO	NO	NO
81880-1-10163	SEDGEHAMMER	2.70	0.25	9	Halosulfuron-methyl	3	NO	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	IARC Carcin
92967-1	AVENGER WEED KILLER CONCENTRATE	7.92	0.00	8	Limonene	3	NO	NO	NO
101563-188	DUPONT VIEWPOINT HERBICIDE	2.59	0.00	8	Aminocyclopyrachlor; Imazapyr; Metsulfuron-methyl	3	NO	NO	NO
62719-560	EF-1343	0.44	0.00	8	Florasulam	3	NO	NO	NO
279-3265	F8426 HERBICIDE	0.19	0.00	8	Carfentrazone-ethyl	3	NO	NO	NO
241-416-10404	LESCO PRE-M AQUACAP HERBICIDE	20.75	0.00	7	Pendimethalin	3	YES	NO	NO
228-615	CLASH SELECTIVE HERBICIDE	3.89	0.00	7	Dicamba, diglycolamine salt	3	NO	NO	NO
70299-23	AXXE BROAD SPECTRUM HERBICIDE	0.00	68.00	7	Nonanoic acid, ammonium salt	2	NO	NO	NO
71368-112	CHEETAH	0.38	0.00	6	Glufosinate-ammonium	2	NO	NO	NO
100-1014	PACLOBUTRAZOL 2SC	14.30	0.00	5	Paclobutrazol	3	NO	NO	NO
228-741	NUP-16011 Herbicide	11.07	0.00	5	2,4-D, 2-ethylhexyl ester; Fluroxypyr 1-methylheptyl ester; Flumioxazin; Triclopyr, butoxyethyl ester	3	NO	NO	NO
71368-114	Panther SC - Non-Crop Herbicide	1.63	0.00	5	Flumioxazin	0	NO	NO	NO
524-529	ROUNDUP PRO CONCENTRATE	1.51	0.00	5	Glyphosate, isopropylamine salt	3	NO	NO	YES
228-379	DIABLO HERBICIDE	1.43	0.00	5	Dicamba, dimethylamine salt	3	NO	NO	NO
228-317	COOL POWER SELECTIVE HERBICIDE	0.65	0.00	5	Dicamba; MCPA, 2-ethyl hexyl ester; Triclopyr, butoxyethyl ester	3	NO	NO	NO
66222-151	ETHEPHON 2SL	21.88	0.00	4	Ethephon	1	NO	NO	NO
228-409	TRIPLET LOW ODOR PREMIUM SELECTIVE HERBICIDE	11.00	0.00	4	2,4-D, triisopropanolamine salt; Dicamba; MCPP-P, dimethylamine salt	1	NO	NO	NO
228-397	RIVERDALE VANQUISH HERBICIDE	0.03	0.00	4	Dicamba, diglycolamine salt	3	NO	NO	NO
7969-444	FINALE HERBICIDE	18.00	0.00	3	Glufosinate-ammonium	2	NO	NO	NO
66222-151-73220	QUALI-PRO ETHEPHON 2 SL	16.68	0.00	3	Ethephon	1	NO	NO	NO
2217-1072	EH-1663 Herbicide	4.85	0.00	3	Pyrimisulfan	3	NO	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	IARC Carcin
89442-57	PS.H.1001	1.47	0.00	3	Quinclorac, Dimethylamine Salt	3	NO	NO	NO
53883-336	QUINCLORAC 1.5 L	1.45	0.00	3	Quinclorac, Dimethylamine Salt	3	NO	NO	NO
62719-566	TURFLON ESTER ULTRA	1.18	0.00	3	Triclopyr, butoxyethyl ester	3	NO	NO	NO
1381-253	ASCEND SL	0.47	0.00	3	Gibberellins; IBA; Cytokinin	3	NO	NO	NO
62719-305	LONTREL TURF AND ORNAMENTAL	0.42	0.00	3	Clopyralid	3	NO	NO	NO
59639-258	Regiment EZ Herbicide	0.20	0.00	3	Bispyribac-sodium	3	NO	NO	NO
2217-696	BETAMEC 4 PRE-EMERGENCE GRASS KILLER	20.50	0.00	2	Bensulide	3	NO	NO	NO
53883-379	QUALI-PRO PRODIAMINE 4L	20.13	0.00	2	Prodiamine	3	YES	NO	NO
100-1412	CLARELLE	5.72	0.00	2	Paclobutrazol	3	NO	NO	NO
2217-656-72112	VESSEL	3.00	0.00	2	Dicamba, dimethylamine salt; 2,4-D, dimethylamine salt; MCP-P, dimethylamine salt	1	NO	NO	NO
2217-833	SPEED ZONE BROADLEAF HERBICIDE	2.92	0.00	2	2,4-D, 2-ethylhexyl ester; Carfentrazone-ethyl; Dicamba; Mecroprop-p	3	YES	NO	NO
42750-247	DUPONT KRENITE S BRUSH CONTROL AGENT	2.50	0.00	2	Fosamine, ammonium salt	3	NO	NO	NO
7969-398	Segment II Herbicide	2.00	0.00	2	Sethoxydim	2	NO	NO	NO
62097-24-53883	PAC-LOW	1.50	0.00	2	Paclobutrazol	3	NO	NO	NO
538-317-961	Lebanon ProScape Fertilizer with 0.08% MESO Preemergent Weed Control	0.00	550.00	2	Mesotrione	3	NO	NO	NO
524-535	ROUNDUP QUIKPRO HERBICIDE	2.34	0.00	2	Glyphosate, monoammonium salt; Diquat dibromide	3	NO	NO	YES
228-711	NUFARM PROSEGE SELECTIVE HERBICIDE2	0.00	16.87	2	Halosulfuron-methyl	3	NO	NO	NO
53883-500	CSI 21-405 Dimension 2EW	7.36	0.00	1	Dithiopyr	2	NO	NO	NO
86064-5	ARMORTECH (R) THREESOME(TM)	7.25	0.00	1	2,4-D, dimethylamine salt; Dicamba, dimethylamine salt; MCP-P, dimethylamine salt	1	NO	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	IARC Carcin
89442-22-72159	3-WAY MAX TURF & ORNAMENTAL BROADLEAF HERBICIDE	5.00	0.00	1	Dicamba, dimethylamine salt; 2,4-D; MCPA, dimethylamine salt	2	NO	NO	YES
87373-4-5905	HELENA T-METHYL 4.5 F-T&O	5.00	0.00	1	Thiophanate-methyl	3	YES	YES	NO
228-312	TRIPLET SF	4.77	0.00	1	Dicamba, dimethylamine salt; 2,4-D, dimethylamine salt; MCPP-P, dimethylamine salt	1	NO	NO	NO
53883-399	Quali Pro Dithiopyr L	2.25	0.00	1	Dithiopyr	2	NO	NO	NO
228-744	Q-BALL HERBICIDE	2.00	0.00	1	Quinclorac, Dimethylamine Salt	3	NO	NO	NO
2217-758	TRIMEC 937 HERBICIDE	1.72	0.00	1	2,4-D, 2-ethylhexyl ester; 2,4-DP-P, isooctyl ester; Dicamba	2	NO	NO	NO
42750-224-10404	LESCO Quin-Way 1.5L Herbicide	1.00	0.00	1	Quinclorac, Dimethylamine Salt	3	NO	NO	NO
7969-272	DRIVE XLR8 HERBICIDE	0.60	0.00	1	Quinclorac	3	NO	NO	NO
62719-92	CONFRONT	0.45	0.00	1	Clopyralid, triethanolamine; Triclopyr, triethylamine salt	1	NO	NO	NO
92967-4	AVENGER AG BURNDOWN HERBICIDE	0.28	0.00	1	Limonene	3	NO	NO	NO
53883-172-87245	CHOICE TURF PREMIUM LAWN CARE FERTILIZER WITH 0.37% PRODIAMINE HERBICI	0.00	8750.00	1	Prodiamine	3	YES	NO	NO
10404-86	LESCO DIMENSION 0.15% PLUS FERTILIZER	0.00	5250.00	1	Dithiopyr	3	NO	NO	NO
961-362-89063	TURFGRASS FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL	0.00	4500.00	1	Prodiamine	3	YES	NO	NO
9198-154	THE ANDERSONS FERTILIZER WITH .125% DIMENSION(R) AND 1.0% RONSTAR(R)	0.00	1500.00	1	Dithiopyr; Oxadiazon	3	YES	YES	NO
9198-176	ANDERSON'S GOOSE/CRABGRASS CONTROL	0.00	252.00	1	Bensulide; Oxadiazon	2	YES	YES	NO
9198-213	THE ANDERSONS 0.25% GRANULAR DITHIOPYR HERBICIDE	0.00	49.00	1	Dithiopyr	3	NO	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	IARC Carcin
62719-445	DIMENSION* ULTRA 40WP	0.00	1.25	1	Dithiopyr	3	NO	NO	NO
352-401	DUPONT OUST HERBICIDE	0.00	0.01	1	Sulfometuron methyl	3	NO	NO	NO
Fungicides									
68539-3	T-22G BIOLOGICAL PLANT PROTECTANT GRANULES	0.00	95.06	119	Trichoderma harzianum rifai strain KRL-AG2	3	NO	NO	NO
100-1364	DACONIL ACTION	822.76	6.25	107	Acibenzolar-S-methyl; Chlorothalonil	2	YES	NO	YES
53883-353	QUALI-PRO T-NEX	42.98	0.00	66	Trinexapac-ethyl	3	NO	NO	NO
101563-21	BANOL TURF AND ORNAMENTAL FUNGICIDE	136.39	0.00	60	Propamocarb hydrochloride	3	NO	NO	NO
228-630-86064	ArmorTech TMI 2020 FLO	132.37	0.00	41	Thiophanate-methyl; Iprodione	3	YES	YES	NO
86064-6	ArmorTech ZOXY 2F	55.67	0.00	34	Azoxystrobin	3	NO	NO	NO
101563-162	12ESP705 FUNGICIDE	0.00	1056.50	34	Fosetyl-Al	3	NO	NO	NO
60063-7-10404	LESCO MANICRUE 6FL	297.64	0.00	31	Chlorothalonil	2	YES	NO	YES
69526-13	CIVITAS	110.00	0.00	29	Mineral oil	3	NO	NO	NO
89442-1	TEBUCONAZOLE 3.6 SELECT	41.99	0.00	27	Tebuconazole	3	YES	NO	NO
100-1633	Secure Action	36.60	0.00	26	Fluazinam; Acibenzolar-S-methyl	3	YES	NO	NO
53883-310	QUALI-PRO CHLOROTHALONIL 720 SFT	134.55	40.00	24	Chlorothalonil	2	YES	NO	YES
228-633	NUFARM PROPICONAZOLE SPC EC FUNGICIDE	42.48	0.00	21	Propiconazole	2	YES	NO	NO
101563-210	Densicor	14.71	0.00	21	Prothioconazole	3	NO	NO	NO
432-1505	CHIPCO 26019T FUNGICIDE	114.61	0.00	20	Iprodione; Trifloxystrobin	3	YES	NO	NO
83170-1	DUTCH TRIG	0.12	0.00	20	Verticillium dahliae isolate WCS 850	3	NO	NO	NO
70299-12	ZEROTOL 2.0	12.92	0.00	19	Peroxyacetic acid; Hydrogen peroxide	1	NO	NO	NO
53883-433	QUALI-PRO MEFENOXAM 2AQ	17.38	0.00	18	Mefenoxam	2	NO	NO	NO
7969-349	Xzemplar Fungicide	10.39	0.00	17	Fluxapyroxad	3	NO	NO	NO
53883-310-86064	Armor Tech CLT 720 XL Fungicide	359.49	0.00	16	Chlorothalonil	2	YES	NO	YES
101563-113	TARTAN FLO FUNGICIDE	53.11	0.00	16	Triadimefon; Trifloxystrobin	3	YES	YES	NO
66222-117-86064	ARMOR TECH TEB360 XL	30.05	0.00	16	Tebuconazole	3	YES	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	IARC Carcin
101563-18	ALIETTE WDG BRAND FUNGICIDE	44.00	587.55	15	Fosetyl-Al	3	NO	NO	NO
101563-152	TEBUCONAZOLE SC TURF AND ORNAMENTAL FUNGICIDE	43.03	0.00	15	Tebuconazole	3	YES	NO	NO
42750-99	TEBUCONAZOLE 3.6FL	42.84	0.00	15	Tebuconazole	3	YES	NO	NO
100-892	ARBOTECT 20-S FUNGICIDE	30.37	0.00	15	Thiabendazole	3	YES	NO	NO
7969-404	Maxtima Fungicide	12.78	0.00	15	Mefentrifluconazole	3	NO	NO	NO
68539-13	PB133	0.05	15.98	15	Potassium bicarbonate	3	NO	NO	NO
89442-28	IPRODIONE 2F SELECT	102.81	0.00	14	Iprodione	3	YES	NO	NO
264-1155	RHAPSODY ASO	17.50	0.00	14	QST 713 strain of dried Bacillus subtilis	3	NO	NO	NO
70870-1-68539	MILSTOP BROAD SPECTRUM FOLIAR FUNGICIDE	0.02	1.20	13	Potassium bicarbonate	3	NO	NO	NO
66222-117	ORIOUS 3.6F	23.97	0.00	12	Tebuconazole	3	YES	NO	NO
91234-199-86064	CYA 345	8.20	0.00	12	Cyazofamid	3	NO	NO	NO
228-737-52287	NUP-15013 Fungicide	20.64	0.00	11	Fluazinam	3	YES	NO	NO
89442-37	Fluazinam 40SC Select	18.28	0.00	11	Fluazinam	3	YES	NO	NO
100-1654	A22070 Fungicide	58.09	0.00	10	Azoxystrobin; Propiconazole	2	YES	NO	NO
5481-617	EQUUS DF	20.00	910.00	10	Chlorothalonil	2	YES	NO	YES
68173-3-1001	AFFIRM WDG	0.00	104.55	10	Polyoxin D zinc salt	3	NO	NO	NO
432-888	CHIPCO 26019 FLO BRAND FUNGICIDE	86.31	0.00	9	Iprodione	3	YES	NO	NO
71512-13-2217	SEGWAY FUNGICIDE	11.67	0.00	9	Cyazofamid	3	NO	NO	NO
86064-1	ARMORTECH CLT 825 DF	0.00	225.00	9	Chlorothalonil	2	YES	NO	YES
60063-7	ECHO 720	73.84	0.00	8	Chlorothalonil	2	YES	NO	YES
55260-9-89442	Propam Select	64.75	0.00	8	Propamocarb hydrochloride	3	NO	NO	NO
86064-4	ARMOR TECH PPZ 143 MC	46.49	0.00	8	Propiconazole	2	YES	NO	NO
432-888-10404	LESCO 18 PLUS TURF & ORNAMENTAL FUNGICIDE	42.23	0.00	8	Iprodione	3	YES	NO	NO
100-1433	BRISKWAY	19.86	0.00	8	Azoxystrobin; Difenoconazole	3	YES	NO	NO
53883-323-86064	ARMOR TECH TMI 2020XL	28.49	0.00	7	Thiophanate-methyl; Iprodione	3	YES	YES	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	IARC Carcin
100-1477	Ascernity	15.46	0.00	7	Difenoconazole	3	YES	NO	NO
84059-28	MBI-110 EP	2.29	0.00	7	Bacillus amyloliquefaciens strain F727	3	NO	NO	NO
60063-3-10404	LESCO MANICURE ULTRA	0.00	900.00	7	Chlorothalonil	2	YES	NO	YES
100-1326-10404	LESCO Spectator Ultra Fungicide	28.75	0.00	6	Propiconazole	3	YES	NO	NO
228-739	NUP-15014 Fungicide	23.88	0.00	6	Tebuconazole; Fluazinam	3	YES	NO	NO
228-630-10404	LESCO TWOSOME FUNGICIDE	13.06	0.00	6	Iprodione; Thiophanate-methyl	3	YES	YES	NO
228-623-10404	LESCO SPECTATOR ULTRA 1.3 FUNGICIDE	12.38	0.00	6	Propiconazole	2	YES	NO	NO
53883-454-10404	LESCO Drax Fungicide	4.98	0.00	6	Fluazinam	3	YES	NO	NO
432-890-10404	LESCO PRODIGY SIGNATURE	0.00	242.00	6	Fosetyl-AI	3	NO	NO	NO
59639-144	V-10116 VPP FUNGICIDE	0.00	31.00	6	Metconazole	3	NO	NO	NO
53883-343	AZOXYSTROBIN 50 WG	0.00	9.08	6	Azoxystrobin	3	NO	NO	NO
9688-123-8845	SPECTRACIDE IMMUNOX MULTI-PURPOSE FUNGICIDE SPRAY CONCENTRATE	0.04	0.56	5	Myclobutanil	3	NO	YES	NO
7969-196	EMERALD FUNGICIDE	0.00	25.77	5	Nicobifen	2	YES	NO	NO
86064-9	ArmorTech TM 462 F	34.71	0.00	4	Thiophanate-methyl	3	YES	YES	NO
50534-209-100	MANICURE 6 FLOWABLE	20.00	0.00	4	Chlorothalonil	3	NO	NO	NO
89442-14	THIOPHANATE METHYL 4.5F SELECT	18.41	0.00	4	Thiophanate-methyl	3	YES	YES	NO
7969-290	INSIGNIA SC INTRINSIC BRAND FUNGICIDE	8.15	0.00	4	Pyraclostrobin	2	NO	NO	NO
264-1155-68539	CEASE	4.80	0.00	4	QST 713 strain of dried Bacillus subtilis	3	NO	NO	NO
100-1600	A19649 200SC Turf	4.34	0.00	4	Pydiflumetofen	3	NO	NO	NO
53883-393	CSI 15-114 Azoxystrobin	3.48	0.00	4	Azoxystrobin	3	NO	NO	NO
7969-350	LEXICON INTRINSIC BRAND FUNGICIDE	3.30	0.00	4	Fluxapyroxad; Pyraclostrobin	3	NO	NO	NO
53883-477	CSI 19-349 Fludioxonil	2.23	0.00	4	Fludioxonil	3	NO	NO	NO
60063-59-52287	Harrell's ProtectMAX(TM) Azoxy 25C Turf & Ornamental Fungicide	0.63	0.00	4	Azoxystrobin	2	NO	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	IARC Carcin
100-1550	HERITAGE ACTION	0.31	8.25	4	Acibenzolar-S-methyl; Azoxystrobin	3	NO	NO	NO
70299-15	GC PRO	0.00	242.00	4	Sodium percarbonate	1	NO	NO	NO
61842-30-90930	MILLER LIME=SULFUR SOLUTION	34.00	0.00	3	Lime-sulfur	1	NO	NO	NO
72112-2	TRANSOM 4.5 F	15.42	0.00	3	Thiophanate-methyl	3	YES	YES	NO
228-626	NUFARM T-METHYL PRO 4.5 F FUNGICIDE	10.00	0.00	3	Thiophanate-methyl	3	YES	YES	NO
67702-2-67690	CAMELOT O FUNGICIDE/BACTERICIDE	7.91	0.00	3	Copper octanoate	3	NO	NO	NO
228-737	NUP-15013 Fungicide	7.29	0.00	3	Fluazinam	3	YES	NO	NO
83070-8	ADVAN PROPAMOCARB	6.50	0.00	3	Propamocarb hydrochloride	3	NO	NO	NO
70051-107-59807	TRIATHLON BA	4.50	0.00	3	Bacillus subtilis var. amyloliquefaciens strain D747	0	NO	NO	NO
53883-313	QUALI-PRO CHLOROTHALONIL DF	4.13	50.00	3	Chlorothalonil	2	YES	NO	YES
101563-112	BAYLETON FLO TURF AND ORNAMENTAL FUNGICIDE	3.31	0.00	3	Triadimefon	3	YES	YES	NO
7969-184	Insignia Fungicide	2.91	0.00	3	Pyraclostrobin	3	NO	NO	NO
69526-5-499	PRESCRIPTION TREATMENT BRAND ULTRA-PURE OIL (WIDESCRIPTRO, HORTICULTUR	1.91	0.00	3	Mineral oil	3	NO	NO	NO
1001-70	3336 G	0.00	1260.00	3	Thiophanate-methyl	3	YES	YES	NO
53883-440	CSI 16-190 AZOXY + PPZ	0.00	1175.00	3	Propiconazole; Azoxystrobin	3	YES	NO	NO
89442-46	FluazTeb Select	36.07	0.00	2	Fluazinam; Tebuconazole	3	YES	NO	NO
2217-1049	EF-716 FUNGICIDE	16.00	0.00	2	Azoxystrobin; Cyazofamid	3	NO	NO	NO
89442-41	AzProp Select	10.00	0.00	2	Propiconazole; Azoxystrobin	3	YES	NO	NO
50534-211-100	DACONIL ZN FLOWABLE FUNGICIDE	10.00	0.00	2	Chlorothalonil	2	NO	NO	NO
53883-375-86064	QUALI-PRO IPRO 2SE	9.25	0.00	2	Iprodione	3	YES	NO	NO
42750-99-89442	TEBUCONAZOLE 3.6F SELECT	3.82	0.00	2	Tebuconazole	3	YES	NO	NO
100-1326	BANNER MAXX II	3.13	0.00	2	Propiconazole	3	YES	NO	NO
93051-4	Rightline Azox 2 SC	1.87	0.00	2	Azoxystrobin	3	NO	NO	NO
89442-21	AZOXY 2SC SELECT	1.84	0.00	2	Azoxystrobin	3	NO	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	IARC Carcin
89442-3	PPZ 41.8 SELECT	1.69	0.00	2	Propiconazole	2	YES	NO	NO
7969-255	HONOR FUNGICIDE	1.52	18.57	2	Nicobifen; Pyraclostrobin	3	YES	NO	NO
84059-3	REGALIA BIOPROTECTANT CONCENTRATE	1.13	0.00	2	Reynoutria sachalinensis	3	NO	NO	NO
8033-138-279	Serata Fungicide	1.09	8.70	2	Picarbutrazox	3	NO	NO	NO
62719-402-10404	LESCO MANCOZEB DG TURF AND ORNAMENTAL FUNGICIDE	0.00	96.00	2	Mancozeb	3	YES	NO	NO
53883-380	QUALI-PRO IPRO 2	0.00	40.00	2	Iprodione	3	YES	NO	NO
53883-418	CSI 15-128B Azoxy + Propiconazole	0.00	32.00	2	Azoxystrobin; Propiconazole	3	YES	NO	NO
53883-363	BUMPER 14.3 EC (PROPICONAZOLE) FUNGICIDE	0.00	31.25	2	Propiconazole	3	YES	NO	NO
228-626-52287	NUFARM T-METHYL SPC 4.5 F FUNGICIDE	0.00	14.56	2	Thiophanate- methyl	3	YES	YES	NO
464-693-63288	CHEMICAR 15	75.00	0.00	1	Glutaraldehyde	1	NO	NO	NO
228-623	NUFARM PROPICONAZOLE SPC 14.3 MEC FUNGICIDE	42.50	0.00	1	Propiconazole	2	YES	NO	NO
71711-28-2217	Pedigree Fungicide SC	12.66	0.00	1	Flutolanil	3	NO	NO	NO
100-1231	INSTRATA	9.53	0.00	1	Chlorothalonil; Fludioxonil; Propiconazole	3	YES	NO	YES
101563-148	ES TC006A	7.50	0.00	1	Mono- and di- potassium salts of phosphorous acid	0	NO	NO	NO
101563-223	19ESP006	5.44	0.00	1	Fluopyram, Propamocarb hydrochloride, Prothioconazole	3	NO	NO	NO
100-1694	DACONIL SDG	2.50	0.00	1	Chlorothalonil	1	YES	NO	YES
7969-403	NAVICON INTRINSIC BRAND FUNGICIDE	1.16	0.00	1	Pyraclostrobin; Mefentrifluconazole	3	NO	NO	NO
70506-571	TERRAZOLE 4EC	1.00	0.00	1	Terrazole	1	YES	NO	NO
100-1216	BANNER HERITAGE MAXX	1.00	0.00	1	Azoxystrobin; Propiconazole	3	YES	NO	NO
71512-20-100	SECURE	0.39	0.00	1	Fluazinam	2	YES	NO	NO
71512-13-279	SEGWAY FUNGICIDE	0.31	0.00	1	Cyazofamid	3	NO	NO	NO
73806-1	K-PHITE 7LP Fungicide	0.18	0.00	1	Mono- and di- potassium salts of phosphorous acid	3	NO	NO	NO
961-277	LEBANON TURF FUNGICIDE CONTAINS DACONIL	0.00	400.00	1	Chlorothalonil	3	YES	NO	YES
9198-115	THE ANDERSONS TURF FUNGICIDE WITH 5.0% DACONIL	0.00	360.00	1	Chlorothalonil	1	YES	NO	YES

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox. Cat.	EPA Carc in	CA Dev. Toxin	IARC Carcin
50534-202-100	MANICURE ULTREX TURF & ORNAMENTAL	0.00	84.40	1	Chlorothalonil	1	NO	NO	NO
53883-483	Quali-Pro TM 4.5	0.00	20.00	1	Thiophanate-methyl	3	YES	YES	NO
70506-272	PEGASUS DFX	0.00	20.00	1	Chlorothalonil	1	YES	NO	YES
70506-187	MICROTHIOL DISPERSS	0.00	15.00	1	Sulfur	3	NO	NO	NO
91234-199-53883	Gateway Fungicide SC	0.00	2.50	1	Cyazofamid	3	NO	NO	NO
91234-199-52287	Harrells ProtectMAX Cyazo	0.00	2.50	1	Cyazofamid	3	NO	NO	NO
100-1093	HERITAGE FUNGICIDE	0.00	1.25	1	Azoxystrobin	3	NO	NO	NO
62388-1-93445	NOGALL	0.00	0.55	1	Agrobacterium radiobacter strain K1026	3	NO	NO	NO
100-1434	MEDALLION WDG	0.00	0.00	1	Fludioxonil	3	NO	NO	NO
Other (Repellents, Biochemical Pesticides, Etc.)									
59807-4	HORMODIN 1	0.00	0.48	66	IBA	3	NO	NO	NO
60061-142	PETTIT NEPTUNE 5 HARD HYBRID ABLATIVE ANTIFOULING PAINT	17.00	0.00	17	Copper oxide (ous)	2	NO	NO	NO
70299-16-84732	GREEN STOP LIQUID ALGAECIDE	0.97	0.00	2	Hydrogen peroxide, Peroxyacetic acid	1	NO	NO	NO
73049-15	PROGIBB 4% PLANT GROWTH REGULATOR SOLUTION	0.00	0.00	2	Gibberellins	2	NO	NO	NO
63838-5	BROMMAX 7.1	70.00	0.00	1	Sodium bromide; Sodium hypochlorite	1	NO	NO	NO
14802-8-74466	MICROBE LIFE ALGAWAY 5.4 ALGAECIDE FOR PONDS	4.25	0.00	1	Poly(oxyethylene) (dimethylimino) ethylene (dimethylimino) ethylene dichloride	3	NO	NO	NO
70299-19	SANIDATE 5.0	0.94	0.00	1	Hydrogen peroxide, Peroxyacetic acid	1	NO	NO	NO

APPENDIX 2: Complete Listing of Pesticide Products Used by the Department of Parks and Recreation in 2024

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin	IARC Carcin
Rodenticides									
12455-69	CONTRAC RODENTICIDE	0.00	1,148.94	915	Bromadiolone	3	NO	NO	NO
7173-258	DIFETHIALONE PASTE PLACE PACKS	0.00	189.70	726	Difethialone	3	NO	NO	NO
12455-79	CONTRAC ALL-WEATHER BLOX	0.00	938.38	652	Bromadiolone	3	NO	NO	NO
12455-36	CONTRAC RAT AND MOUSE BAIT	0.13	1,163.13	627	Bromadiolone	3	NO	NO	NO
12455-146	CONTRAC SOFT BAIT	0.00	77.21	375	Bromadiolone	3	NO	NO	NO
12455-56	DITRAC TRACKING POWDER	0.00	6.42	208	Diphacinone	2	NO	NO	NO
12455-148	Rat Ice	0.00	3,945.00	198	Carbon dioxide	2	NO	NO	NO
12455-137	Rampage Pelleted Bait	0.00	24.03	197	Bromethalin	3	NO	NO	NO
12455-90	FINAL RODENTICIDE	0.00	184.75	156	Brodifacoum	3	NO	NO	NO
7173-205	GENERATION PELLETS	0.06	335.06	155	Difethialone	3	NO	NO	NO
7173-202	MAKI MINI BLOCKS	0.00	73.63	127	Bromadiolone	3	NO	NO	NO
7173-310	Bromethalin Soft Bait II	0.00	11.36	116	Bromethalin	3	NO	NO	NO
12455-95	FASTRAC ALL-WEATHER BLOX	0.00	49.94	111	Bromethalin	3	NO	NO	NO
7173-297	BROMADIOLONE PASTE 0901	0.00	22.92	92	Bromadiolone	3	NO	NO	NO
12455-133	CONTRAC WITH LUMITRACK	0.00	34.75	86	Bromadiolone	3	NO	NO	NO
12455-106	TERAD3 BLOX	0.00	96.88	81	Cholecalciferol	3	NO	NO	NO
100-1055	WEATHERBLOK BAIT WITH BITREX	0.00	41.06	76	Brodifacoum	3	NO	NO	NO
7173-218	GENERATION MINI BLOCKS	0.00	48.59	66	Difethialone	3	NO	NO	NO
12455-139	Final Soft Bait	0.00	21.63	63	Brodifacoum	3	NO	NO	NO
7173-313	IGI CARBON DIOXIDE	3,724.83	0.00	59	Carbon dioxide	2	NO	NO	NO
12455-86	CONTRAC RODENTICIDE PLACE PAC	0.00	129.47	56	Bromadiolone	3	NO	NO	NO
7173-308	Chlorophacinone Soft Bait	0.00	11.75	30	Chlorophacinone	3	NO	NO	NO
12455-162	Cholecalciferol Blox	0.00	144.09	29	Cholecalciferol	3	NO	NO	NO
12455-97	FASTRAC PLACE PACS	0.00	2.61	16	Bromethalin	3	NO	NO	NO
7173-188	MAKI RAT AND MOUSE BAIT PACKS (PELLETS)	0.00	29.00	11	Bromadiolone	3	NO	NO	NO
12455-61	LIQUA-TOX II	0.17	0.00	10	Diphacinone, sodium salt	3	NO	NO	NO
12455-80	DITRAC ALL-WEATHER BLOX	0.00	6.32	5	Diphacinone	3	NO	NO	NO
7173-238	GENERATION MEAL	0.00	5.50	4	Difethialone	3	NO	NO	NO
91601-1	ContraPest®	0.00	1.52	3	4-Vinylcyclohexene diepoxide; Triptolide	3	NO	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	IARC Carcin
87235-4	MONARK SB	0.00	0.99	3	Difenacoum	3	NO	NO	YES
56-42	BAIT BLOCK RODENTICIDE WITH PEANUT BUTTER FLAVORIZ	0.00	0.63	3	Diphacinone	3	NO	NO	NO
12455-17	ZP RODENT BAIT AG	0.00	7.50	1	Zinc phosphide	3	NO	NO	NO
61282-97-56	JT Eaton TM Answer [®] Kills Mice with Reusable Bait Station A	0.00	0.31	1	Bromethalin	3	NO	NO	NO
12455-89	FINAL ALL- WEATHER BLOX	0.00	0.25	1	Brodifacoum	3	NO	NO	NO
Insecticides									
74578-12	TREE-AGE R10	71.87	0.00	7,886	Emamectin, benzoate	2	NO	NO	NO
101563-4	SUSPEND SC INSECTICIDE	3.46	1.13	478	Deltamethrin	3	NO	NO	NO
100-1484	DUPONT ADVION COCKROACH GEL BAIT	9.02	6.79	354	Indoxacarb	3	NO	NO	NO
100-1498	DUPONT ADVION ANT GEL	0.00	4.68	240	Indoxacarb	3	NO	NO	NO
74779-17	RTSA 4% EMAMECTIN BENZOATE	4.56	0	111	Emamectin, benzoate	3	NO	NO	NO
64405-2	REDZONE BAIT	0.00	28	102	Boric acid	3	NO	NO	NO
101563-165	TEMPRID SC-F INSECTICIDE	0.66	0	85	Cyfluthrin, beta; Imidacloprid	3	NO	NO	NO
499-550	TC-323	6.31	69	75	Prallethrin	3	NO	NO	NO
101563-6	DELTA DUST	0.00	2	52	Deltamethrin	3	NO	NO	NO
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	0.00	6.19	47	(7S)-Hydroprene	3	NO	NO	NO
9688-190-8845	SPECTRACIDE DESTROYER BRAND WASP & HORNET KILLER	5.47	26.56	38	Cyhalothrin, lambda; Prallethrin	3	NO	NO	NO
73049-429	VECTOMAX FG	0.00	4.82	32	Bacillus sphaericus; Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52	3	NO	NO	NO
53883-244-66222	QUALI-PRO LAMBDA GC-0	12.07	0.00	28	Cyhalothrin, lambda	2	NO	NO	NO
53883-514	QUALI-PRO IMIDACLOPRID 2F TURF & ORNAMENTAL INSECTICIDE	36.98	0.00	26	Imidacloprid	3	NO	NO	NO
101563-86	TEMPO SC INSECTICIDE	15.48	0.00	23	Cyfluthrin, beta	3	NO	NO	NO
4-80	BONIDE HORTICULTURAL AND DORMANT SPRAY OIL	0.77	0.00	19	Mineral oil	3	NO	NO	NO
2724-469	ZOECON (S)- HYDROPRENE ROACH CONTROL STATION II	0.00	4.36	19	(7S)-Hydroprene	3	NO	NO	NO
71532-28-91026	FENVASTAR ECOCAP	0.00	2.50	19	Esfenvalerate	3	NO	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	IARC Carcin
70051-2-59807	TRIACT 70	2.24	0.00	18	Neem oil	3	NO	NO	NO
100-1551	Ference	13.20	0.00	17	Cyrantraniliprole	0	NO	NO	NO
87290-24	WILLOWOOD LAMBDA-CY 1 EC	12.43	0.00	16	Cyhalothrin, lambda	2	NO	NO	NO
86203-11-59639	SAFARI 20SG INSECTICIDE	0.44	60.00	14	Dinotefuran	3	NO	NO	NO
6218-47	SUMMIT B.T.I. BRIQUETS	0.01	8.95	14	Bacillus thuringiensis subspecies israelensis strain BMP 144	3	NO	NO	NO
73049-56	VECTOBAC WDG BIOLOGICAL LARVICIDE	0.00	17.60	14	Bacillus thuringiensis, subsp. israelensis, strain AM 65-52	3	NO	NO	NO
1021-2574	MGK FORMULA 2964	0.00	2.00	13	Esfenvalerate; Prallethrin; Piperonyl butoxide	3	YES	NO	NO
53883-366	QUALI-PRO BIFENTHRIN GOLF & NURSERY 7 9F	4.83	0.00	10	Bifenthrin	3	YES	NO	NO
101563-122	MAXFORCE FC ROACH KILLER BAIT GEL F.05	0.00	0.63	10	Fipronil	3	YES	NO	NO
100-1485	DUPONT ADVION ANT BAIT ARENA	0.00	0.20	10	Indoxacarb	3	NO	NO	NO
499-561	TC-315	0.00	0.01	9	Dinotefuran	3	NO	NO	NO
53883-365	QUALI-PRO BIFENTHRIN I/T 7.9F	1.70	0.00	6	Bifenthrin	3	YES	NO	NO
62719-523	BLACKHAWK	0.00	21.44	6	Spinosad	3	NO	NO	NO
432-1312-73220	QUALI-PRO IMIDACLOPRID 2F	12.25	0.00	5	Imidacloprid	3	NO	NO	NO
74578-10	TREE-AGE G4	2.41	0.00	5	Emamectin, benzoate	3	NO	NO	NO
89442-24	BIFEN G/N 7.9SC SELECT	0.80	0.00	5	Bifenthrin	3	YES	NO	NO
4-419	BONIDE ALL SEASONS HORTICULTURAL SPRAY OIL RTU	0.26	0.00	5	Mineral oil	3	NO	NO	NO
432-763-62719	SUSPEND SC	0.09	0.00	5	Deltamethrin	3	NO	NO	NO
100-1636	Provaunt WDG	0.00	48.84	5	Indoxacarb	3	NO	NO	NO
73049-39	DIPEL DF DRY FLOWABLE BIOLOGICAL INSECTICIDE	0.00	0.12	5	Bacillus thuringiensis, subsp. Kurstaki, strain ABTS-351, fermentation solids and solubles	3	NO	NO	NO
279-3457	TRIPLE CROWN GOLF INSECTICIDE	3.05	0.00	4	Bifenthrin; Cypermethrin, zeta; Imidacloprid	2	YES	NO	NO
100-1489	DUPONT ACELEPRYN INSECTICIDE	2.52	0.00	4	Chlorantraniliprole	0	NO	NO	NO
86869-5	LAMBDA SELECT	0.93	0.00	4	Cyhalothrin, lambda	2	NO	NO	NO
82074-1	MYCOTROL ES	0.05	0.00	4	Beauveria bassiana GHA	3	NO	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	IARC Carcin
73049-498	PROGIBB LV PLUS PLANT GROWTH REGULATOR SOLUTION	0.00	0.00	4	Gibberellins	3	NO	NO	NO
101563-14	DELTAGARD G INSECTICIDE GRANULE	0.00	8.63	4	Deltamethrin	3	NO	NO	NO
101563-59	TEMPO 10 WP INSECTICIDE	0.00	0.09	4	Cyfluthrin, beta	3	NO	NO	NO
69526-5	PURESpray SPRAY OIL 10E	16.41	0.00	3	Mineral oil	3	NO	NO	NO
101563-60	MERIT 2F INSECTICIDE	12.35	0.00	3	Imidacloprid	3	NO	NO	NO
100-1088	SCIMITAR GC INSECTICIDE	5.65	0.00	3	Cyhalothrin, lambda	3	NO	NO	NO
432-1312-67760	GARANT T&O 2F	4.13	0.00	3	Imidacloprid	3	NO	NO	NO
241-392	PHANTOM TERMITICIDE-INSECTICIDE	1.50	0.00	3	Chlorfenapyr	3	YES	NO	NO
9688-190	CHEMSICO WASP & HORNET KILLER LE	0.72	0.00	3	Cyhalothrin, lambda; Prallethrin	3	NO	NO	NO
71711-4-67690	SEPRO AKARI 5SC MITICIDE/INSECTICIDE	0.55	0.00	3	Fenpyroximate	2	NO	NO	NO
89459-59	ENVI ACU CONTACT Insecticide	0.14	0.00	3	Phenylethyl propionate	3	NO	NO	NO
62719-291	CONSERVE SC TURF AND ORNAMENTAL	0.11	0.00	3	Spinosad	3	NO	NO	NO
48813-1-68539	SUFFOIL-X	0.09	1.00	3	Petroleum distillates	3	NO	NO	NO
100-1543	MAINSRING GH & N	0.02	0.00	3	Cyantraniliprole	0	NO	NO	NO
73079-6	GREEN ZONE GRANULAR BAIT	0.00	1.50	3	Boric acid	3	NO	NO	NO
85306-1	SELECT TCS	0.00	0.90	3	Fipronil	3	YES	NO	NO
101563-140	MAXFORCE QUANTUM ANT BAIT	0.00	0.78	3	Imidacloprid	3	NO	NO	NO
100-1066	DEMAND CS INSECTICIDE	0.00	0.38	3	Cyhalothrin, lambda	3	NO	NO	NO
432-1227-10404	LESCO SEVIN SL	11.19	0.00	2	Carbaryl	3	YES	YES	NO
5481-643	DYLOX 420 SL TURF AND ORNAMENTAL INSECTICIDE	3.40	0.00	2	Trichlorfon	3	YES	NO	NO
10163-324	M-PEDE INSECTICIDE/FUNGICIDE	2.00	0.47	2	Potassium laurate	2	NO	NO	NO
100-1487	PROVAUNT	1.13	0.00	2	Indoxacarb	3	NO	NO	NO
59639-96	DISTANCE INSECT GROWTH REGULATOR	0.12	0.00	2	Pyriproxyfen	3	NO	NO	NO
70506-121	UPI-2005 EXP-06 RUP INSECTICIDE	0.06	0.00	2	Cyhalothrin, lambda	2	NO	NO	NO
53883-276	DELTA 4.75% SC	0.05	0.00	2	Deltamethrin	3	NO	NO	NO
149-8	TERRO ANT KILLER II	0.02	0.00	2	Borax	3	NO	NO	NO
70506-537	FLORAMITE SC	0.01	0.00	2	Bifenazate	3	NO	NO	NO
81880-29-10163	Sanmite SC Miticide Insecticide	0.00	0.00	2	Pyridaben	3	NO	NO	NO
101563-143	SUSPEND POLYZONE	0.00	0.05	2	Deltamethrin	3	NO	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	IARC Carcin
5481-641	DYLOX 6.2 GRANULAR INSECTICIDE	0.00	1,380.00	2	Trichlorfon	3	YES	NO	NO
5481-641-432	Dylox 6.2 Granular Insecticide	0.00	960.00	2	Trichlorfon	3	YES	NO	NO
100-1500	ACELEPRYN G	0.00	262.50	2	Chlorantraniliprole	0	NO	NO	NO
82074-2	BOTANIGARD 22WP	0.00	2.40	2	Beauveria bassiana GHA	3	NO	NO	NO
6218-86	MOSQUITO BITS	0.00	1.51	2	Bacillus thuringiensis subsp. israelensis, Strain SUM-6218	3	NO	NO	NO
101563-93	TEMPO 1% PROFESSIONAL INSECTICIDE	0.00	0.88	2	Cyfluthrin	3	NO	NO	NO
71910-10	Zecken Rollen Tick Tubes	0.00	0.49	2	Permethrin	3	YES	NO	NO
5481-643-432	Dylox 420 SL	32.00	0.00	1	Trichlorfon	3	YES	NO	NO
70506-150	IMIGOLD 2F TURF & ORNAMENTAL INSECTICIDE	3.19	0.00	1	Imidacloprid	3	NO	NO	NO
228-588	MALLET 75 WP	0.47	0.00	1	Imidacloprid	3	NO	NO	NO
100-1078	SCIMITAR CS INSECTICIDE	0.25	0.00	1	Cyhalothrin, lambda	3	NO	NO	NO
42750-115-74779	XYTECT 2F INSECTICIDE	0.17	0.00	1	Imidacloprid	3	NO	NO	NO
70051-9-59807	AZATIN O BIOLOGICAL INSECTICIDE	0.13	0.00	1	Azadirachtin	3	NO	NO	NO
2724-793	RF2067-EW	0.06	0.00	1	(S)-Kinoprene	3	NO	NO	NO
239-2699	ORTHO HOME DEFENSE INDOOR AND OUTDOOR INSECT KILLER 2	0.01	0.00	1	Bifenthrin	3	YES	NO	NO
101563-130	SPIROTETRAMAT 240 SC GREENHOUSE AND NURSERY INSECTICIDE/MITICIDE	0.00	0.00	1	Spirotetramat	3	NO	NO	NO
49538-5	PHYTON-016-B	0.00	0.00	1	Copper sulfate (pentahydrate)	2	NO	NO	NO
961-427	TURF FERTILIZER WITH ACELEPRYN PLUS DIMENSION 167	0.00	5,750.00	1	Dithiopyr, DPX-E2Y45	3	NO	NO	NO
53883-513	QUALI-PRO IMIDACLOPRID 75 WSB	0.00	1.00	1	Imidacloprid	3	NO	NO	NO
73079-12	SILICIDE(TM)	0.00	0.25	1	Diatomaceous earth	3	NO	NO	NO
59639-170-74779	TRANSTECT 70WSP INSECTICIDE	0.00	0.11	1	Dinotefuran	3	NO	NO	NO
53883-466-82540	Strike Max Alacer Ant Gel Bait	0.00	0.01	1	Indoxacarb	3	NO	NO	NO
Herbicides									
62719-527	GARLON 4 ULTRA	61.58	99.38	332	Triclopyr	2	NO	NO	NO
62719-176	PATHFINDER II	5.94	225.63	69	Triclopyr, butoxyethyl ester	3	NO	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	IARC Carcin
62719-519	MILESTONE	1.95	0.00	62	Aminopyralid, triisopropylamine salt	3	NO	NO	NO
100-937	PRIMO MAXX	39.60	0.00	59	Trinexapac-ethyl	3	NO	NO	NO
228-743	NUP-18013	20.45	0.00	55	Glufosinate-ammonium	3	NO	NO	NO
62719-542	DIMENSION 2EW	64.57	0.00	50	Dithiopyr	2	NO	NO	NO
86064-3	ARMOR TECH PGR 113 MC	20.39	0.00	47	Trinexapac-ethyl	3	NO	NO	NO
89442-7	TRIN-PAC SELECT	19.64	0.00	46	Trinexapac-ethyl	3	NO	NO	NO
241-437-67690	CLEARCAST HERBICIDE	9.46	0.00	41	Imazamox	3	NO	NO	NO
62719-324	GLYPRO	6.08	0.00	33	Glyphosate, isopropylamine salt	3	NO	NO	YES
1001-91	GWN-6010 PLANT GROWTH REGULATOR	0.75	150.81	32	Prohexadione calcium	3	NO	NO	NO
10163-325	SCYTHE HERBICIDE	0.00	557.50	32	Nonanoic acid	2	NO	NO	NO
67690-46	LEGACY TURF GROWTH REGULATOR	6.55	0.00	23	Trinexapac-ethyl; Flurprimidol	2	NO	NO	NO
432-950	ACCLAIM EXTRA HERBICIDE	6.19	0.00	20	Fenoxaprop-P (+)	3	NO	NO	NO
524-517	ACCORD XL HERBICIDE	1.66	0.00	19	Glyphosate, isopropylamine salt	3	NO	NO	YES
62719-687	VASTLAN	18.26	0.00	17	Triclopyr, Choline Salt	2	NO	NO	NO
100-1267	TENACITY	0.28	0.00	16	Mesotrione	3	NO	NO	NO
101563-40	PROXY GROWTH REGULATOR	86.72	0.00	14	Ethephon	1	NO	NO	NO
7969-327	PYLEX HERBICIDE	0.50	0.00	12	Topramezone	3	NO	NO	NO
524-579	ROUNDUP PROMAX	9.08	0.00	10	Glyphosate, potassium salt	3	NO	NO	YES
67702-26	Fiesta Herbicide	210.08	0.00	9	Iron HEDTA	3	NO	NO	NO
81880-1-10163	SEDGEHAMMER	2.70	0.25	9	Halosulfuron-methyl	3	NO	NO	NO
92967-1	AVENGER WEED KILLER CONCENTRATE	7.92	0.00	8	Limonene	3	NO	NO	NO
62719-560	EF-1343	0.44	0.00	8	Florasulam	3	NO	NO	NO
279-3265	F8426 HERBICIDE	0.19	0.00	8	Carfentrazone-ethyl	3	NO	NO	NO
241-416-10404	LESCO PRE-M AQUACAP HERBICIDE	20.75	0.00	7	Pendimethalin	3	YES	NO	NO
228-615	CLASH SELECTIVE HERBICIDE	3.89	0.00	7	Dicamba, diglycolamine salt	3	NO	NO	NO
70299-23	AXXE BROAD SPECTRUM HERBICIDE	0.00	68.00	7	Nonanoic acid, ammonium salt	2	NO	NO	NO
71368-112	CHEETAH	0.38	0.00	6	Glufosinate-ammonium	2	NO	NO	NO
100-1014	PACLOBUTRAZOL 2SC	14.30	0.00	5	Paclobutrazol	3	NO	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	IARC Carcin
228-741	NUP-16011 Herbicide	11.07	0.00	5	2,4-D, 2-ethylhexyl ester; Fluroxypyr 1-methylheptyl ester; Flumioxazin; Triclopyr, butoxyethyl ester	3	NO	NO	NO
71368-114	Panther SC - Non-Crop Herbicide	1.63	0.00	5	Flumioxazin	0	NO	NO	NO
524-529	ROUNDUP PRO CONCENTRATE	1.51	0.00	5	Glyphosate, isopropylamine salt	3	NO	NO	YES
228-379	DIABLO HERBICIDE	1.43	0.00	5	Dicamba, dimethylamine salt	3	NO	NO	NO
228-317	COOL POWER SELECTIVE HERBICIDE	0.65	0.00	5	Dicamba; MCPA, 2-ethyl hexyl ester; Triclopyr, butoxyethyl ester	3	NO	NO	NO
66222-151	ETHEPHON 2SL	21.88	0.00	4	Ethephon	1	NO	NO	NO
228-409	TRIPLET LOW ODOR PREMIUM SELECTIVE HERBICIDE	11.00	0.00	4	2,4-D, triisopropanolamine salt; Dicamba; MCPP-P, dimethylamine salt	1	NO	NO	NO
66222-151-73220	QUALI-PRO ETHEPHON 2 SL	16.68	0.00	3	Ethephon	1	NO	NO	NO
2217-1072	EH-1663 Herbicide	4.85	0.00	3	Pyrimisulfan	3	NO	NO	NO
89442-57	PS.H.1001	1.47	0.00	3	Quinclorac, Dimethylamine Salt	3	NO	NO	NO
53883-336	QUINCLORAC 1.5 L	1.45	0.00	3	Quinclorac, Dimethylamine Salt	3	NO	NO	NO
62719-566	TURFLON ESTER ULTRA	1.18	0.00	3	Triclopyr, butoxyethyl ester	3	NO	NO	NO
1381-253	ASCEND SL	0.47	0.00	3	Gibberellins; IBA; Cytokinin	3	NO	NO	NO
62719-305	LONTREL TURF AND ORNAMENTAL	0.42	0.00	3	Clopyralid	3	NO	NO	NO
59639-258	Regiment EZ Herbicide	0.20	0.00	3	Bispyribac-sodium	3	NO	NO	NO
2217-696	BETAMEC 4 PRE-EMERGENCE GRASS KILLER	20.50	0.00	2	Bensulide	3	NO	NO	NO
53883-379	QUALI-PRO PRODIAMINE 4L	20.13	0.00	2	Prodiamine	3	YES	NO	NO
100-1412	CLARELLE	5.72	0.00	2	Paclobutrazol	3	NO	NO	NO
2217-656-72112	VESSEL	3.00	0.00	2	Dicamba, dimethylamine salt; 2,4-D, dimethylamine salt; MCPP-P, dimethylamine salt	1	NO	NO	NO
2217-833	SPEED ZONE BROADLEAF HERBICIDE	2.92	0.00	2	2,4-D, 2-ethylhexyl ester; Carfentrazone-ethyl; Dicamba; Mecroprop-p	3	YES	NO	NO
7969-398	Segment II Herbicide	2.00	0.00	2	Sethoxydim	2	NO	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	IARC Carcin
62097-24-53883	PAC-LOW	1.50	0.00	2	Paclobutrazol	3	NO	NO	NO
538-317-961	Lebanon ProScape Fertilizer with 0.08% MESO Preemergent Weed Control	0.00	550.00	2	Mesotrione	3	NO	NO	NO
524-535	ROUNDUP QUIKPRO HERBICIDE	2.34	0.00	2	Glyphosate, monoammonium salt; Diquat dibromide	3	NO	NO	YES
228-711	NUFARM PROSEDGE SELECTIVE HERBICIDE2	0.00	16.87	2	Halosulfuron-methyl	3	NO	NO	NO
53883-500	CSI 21-405 Dimension 2EW	7.36	0.00	1	Dithiopyr	2	NO	NO	NO
86064-5	ARMORTECH (R) THREESOME(TM)	7.25	0.00	1	2,4-D, dimethylamine salt; Dicamba, dimethylamine salt; MCP-P, dimethylamine salt	1	NO	NO	NO
89442-22-72159	3-WAY MAX TURF & ORNAMENTAL BROADLEAF HERBICIDE	5.00	0.00	1	Dicamba, dimethylamine salt; 2,4-D; MCPA, dimethylamine salt	2	NO	NO	YES
87373-4-5905	HELENA T-METHYL 4.5 F-T&O	5.00	0.00	1	Thiophanate-methyl	3	YES	YES	NO
228-312	TRIPLET SF	4.77	0.00	1	Dicamba, dimethylamine salt; 2,4-D, dimethylamine salt; MCP-P, dimethylamine salt	1	NO	NO	NO
53883-399	Quali Pro Dithiopyr L	2.25	0.00	1	Dithiopyr	2	NO	NO	NO
228-744	Q-BALL HERBICIDE	2.00	0.00	1	Quinclorac, Dimethylamine Salt	3	NO	NO	NO
2217-758	TRIMEC 937 HERBICIDE	1.72	0.00	1	2,4-D, 2-ethylhexyl ester; 2,4-DP-P, isooctyl ester; Dicamba	2	NO	NO	NO
42750-224-10404	LESCO Quin-Way 1.5L Herbicide	1.00	0.00	1	Quinclorac, Dimethylamine Salt	3	NO	NO	NO
7969-272	DRIVE XLR8 HERBICIDE	0.60	0.00	1	Quinclorac	3	NO	NO	NO
62719-92	CONFRONT	0.45	0.00	1	Clopyralid, triethanolamine; Triclopyr, triethylamine salt	1	NO	NO	NO
92967-4	AVENGER AG BURNDOWN HERBICIDE	0.28	0.00	1	Limonene	3	NO	NO	NO
83100-76	GF-1280	0.03	0.00	1	Glyphosate, dimethylammonium salt	3	NO	NO	YES

EPA Reg. #	EPA Product Name	Volume (Gals)	Weight (Lbs)	No. Appl's.	Active Ingredient(s)	EPA Tox Cat	EPA Carcin	CA Dev. Toxin	IARC Carcin
53883-172-87245	CHOICE TURF PREMIUM LAWN CARE FERTILIZER WITH 0.37% PRODIAMINE HERBICI	0.00	8,750.00	1	Prodiamine	3	YES	NO	NO
10404-86	LESCO DIMENSION 0.15% PLUS FERTILIZER	0.00	5,250.00	1	Dithiopyr	3	NO	NO	NO
961-362-89063	TURFGRASS FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL	0.00	4,500.00	1	Prodiamine	3	YES	NO	NO
9198-154	THE ANDERSONS FERTILIZER WITH .125% DIMENSION(R) AND 1.0% RONSTAR(R)	0.00	1,500.00	1	Dithiopyr; Oxadiazon	3	YES	YES	NO
9198-176	ANDERSON'S GOOSE/CRABGRASS CONTROL	0.00	252.00	1	Bensulide; Oxadiazon	2	YES	YES	NO
9198-213	THE ANDERSONS 0.25% GRANULAR DITHIOPYR HERBICIDE	0.00	49.00	1	Dithiopyr	3	NO	NO	NO
62719-445	DIMENSION* ULTRA 40WP	0.00	1.25	1	Dithiopyr	3	NO	NO	NO
352-401	DUPONT OUST HERBICIDE	0.00	0.01	1	Sulfometuron methyl	3	NO	NO	NO
Fungicides									
68539-3	T-22G BIOLOGICAL PLANT PROTECTANT GRANULES	0.00	95.06	119	Trichoderma harzianum rifai strain KRL-AG2	3	NO	NO	NO
100-1364	DACONIL ACTION	822.76	6.25	107	Acibenzolar-S-methyl; Chlorothalonil	2	YES	NO	YES
53883-353	QUALI-PRO T-NEX	42.98	0.00	66	Trinexapac-ethyl	3	NO	NO	NO
101563-21	BANOL TURF AND ORNAMENTAL FUNGICIDE	136.39	0.00	60	Propamocarb hydrochloride	3	NO	NO	NO
228-630-86064	ArmorTech TMI 2020 FLO	132.37	0.00	41	Thiophanate-methyl; Iprodione	3	YES	YES	NO
86064-6	ArmorTech ZOXY 2F	55.67	0.00	34	Azoxystrobin	3	NO	NO	NO
101563-162	12ESP705 FUNGICIDE	0.00	1,056.50	34	Fosetyl-Al	3	NO	NO	NO
60063-7-10404	LESCO MANICRUE 6FL	297.64	0.00	31	Chlorothalonil	2	YES	NO	YES
69526-13	CIVITAS	110.00	0.00	29	Mineral oil	3	NO	NO	NO
89442-1	TEBUCONAZOLE 3.6 SELECT	41.99	0.00	27	Tebuconazole	3	YES	NO	NO
100-1633	Secure Action	36.60	0.00	26	Fluazinam; Acibenzolar-S-methyl	3	YES	NO	NO
53883-310	QUALI-PRO CHLOROTHALONIL 720 SFT	134.55	40.00	24	Chlorothalonil	2	YES	NO	YES
228-633	NUFARM PROPICONAZOLE SPC EC FUNGICIDE	42.48	0.00	21	Propiconazole	2	YES	NO	NO
101563-210	Densicor	14.71	0.00	21	Prothioconazole	3	NO	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	IARC Carcin
432-1505	CHIPCO 26019T FUNGICIDE	114.61	0.00	20	Iprodione; Trifloxystrobin	3	YES	NO	NO
83170-1	DUTCH TRIG	0.12	0.00	20	Verticillium dahliae isolate WCS 850	3	NO	NO	NO
70299-12	ZEROTOL 2.0	12.92	0.00	19	Peroxyacetic acid; Hydrogen peroxide	1	NO	NO	NO
53883-433	QUALI-PRO MEFENOXAM 2AQ	17.38	0.00	18	Mefenoxam	2	NO	NO	NO
7969-349	Xzemplar Fungicide	10.39	0.00	17	Fluxapyroxad	3	NO	NO	NO
53883-310-86064	Armor Tech CLT 720 XL Fungicide	359.49	0.00	16	Chlorothalonil	2	YES	NO	YES
101563-113	TARTAN FLO FUNGICIDE	53.11	0.00	16	Triadimefon; Trifloxystrobin	3	YES	YES	NO
66222-117-86064	ARMOR TECH TEB360 XL	30.05	0.00	16	Tebuconazole	3	YES	NO	NO
101563-18	ALIETTE WDG BRAND FUNGICIDE	44.00	587.55	15	Fosetyl-Al	3	NO	NO	NO
101563-152	TEBUCONAZOLE SC TURF AND ORNAMENTAL FUNGICIDE	43.03	0.00	15	Tebuconazole	3	YES	NO	NO
42750-99	TEBUCONAZOLE 3.6FL	42.84	0.00	15	Tebuconazole	3	YES	NO	NO
100-892	ARBOTECT 20-S FUNGICIDE	30.37	0.00	15	Thiabendazole	3	YES	NO	NO
7969-404	Maxtima Fungicide	12.78	0.00	15	Mefentrifluconazole	3	NO	NO	NO
68539-13	PB133	0.05	15.98	15	Potassium bicarbonate	3	NO	NO	NO
89442-28	IPRODIONE 2F SELECT	102.81	0.00	14	Iprodione	3	YES	NO	NO
264-1155	RHAPSODY AS0	17.50	0.00	14	QST 713 strain of dried Bacillus subtilis	3	NO	NO	NO
70870-1-68539	MILSTOP BROAD SPECTRUM FOLIAR FUNGICIDE	0.02	1.20	13	Potassium bicarbonate	3	NO	NO	NO
66222-117	ORIUS 3.6F	23.97	0.00	12	Tebuconazole	3	YES	NO	NO
91234-199-86064	CYA 345	8.20	0.00	12	Cyazofamid	3	NO	NO	NO
228-737-52287	NUP-15013 Fungicide	20.64	0.00	11	Fluazinam	3	YES	NO	NO
89442-37	Fluazinam 40SC Select	18.28	0.00	11	Fluazinam	3	YES	NO	NO
100-1654	A22070 Fungicide	58.09	0.00	10	Azoxystrobin; Propiconazole	2	YES	NO	NO
5481-617	EQUUS DF	20.00	910.00	10	Chlorothalonil	2	YES	NO	YES
68173-3-1001	AFFIRM WDG	0.00	104.55	10	Polyoxin D zinc salt	3	NO	NO	NO
432-888	CHIPCO 26019 FLO BRAND FUNGICIDE	86.31	0.00	9	Iprodione	3	YES	NO	NO
71512-13-2217	SEGWAY FUNGICIDE	11.67	0.00	9	Cyazofamid	3	NO	NO	NO
86064-1	ARMORTECH CLT 825 DF	0.00	225.00	9	Chlorothalonil	2	YES	NO	YES
60063-7	ECHO 720	73.84	0.00	8	Chlorothalonil	2	YES	NO	YES
55260-9-89442	Propam Select	64.75	0.00	8	Propamocarb hydrochloride	3	NO	NO	NO
86064-4	ARMOR TECH PPZ 143 MC	46.49	0.00	8	Propiconazole	2	YES	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	IARC Carcin
432-888-10404	LESCO 18 PLUS TURF & ORNAMENTAL FUNGICIDE	42.23	0.00	8	Iprodione	3	YES	NO	NO
100-1433	BRISKWAY	19.86	0.00	8	Azoxystrobin; Difenoconazole	3	YES	NO	NO
53883-323-86064	ARMOR TECH TMI 2020XL	28.49	0.00	7	Thiophanate-methyl; Iprodione	3	YES	YES	NO
100-1477	Ascenity	15.46	0.00	7	Difenoconazole	3	YES	NO	NO
84059-28	MBI-110 EP	2.29	0.00	7	Bacillus amyloliquefaciens strain F727	3	NO	NO	NO
60063-3-10404	LESCO MANICURE ULTRA	0.00	900.00	7	Chlorothalonil	2	YES	NO	YES
100-1326-10404	LESCO Spectator Ultra Fungicide	28.75	0.00	6	Propiconazole	3	YES	NO	NO
228-739	NUP-15014 Fungicide	23.88	0.00	6	Tebuconazole; Fluazinam	3	YES	NO	NO
228-630-10404	LESCO TWOSOME FUNGICIDE	13.06	0.00	6	Iprodione; Thiophanate-methyl	3	YES	YES	NO
228-623-10404	LESCO SPECTATOR ULTRA 1.3 FUNGICIDE	12.38	0.00	6	Propiconazole	2	YES	NO	NO
53883-454-10404	LESCO Drax Fungicide	4.98	0.00	6	Fluazinam	3	YES	NO	NO
432-890-10404	LESCO PRODIGY SIGNATURE	0.00	242.00	6	Fosetyl-Al	3	NO	NO	NO
59639-144	V-10116 VPP FUNGICIDE	0.00	31.00	6	Metconazole	3	NO	NO	NO
53883-343	AZOXYSTROBIN 50 WG	0.00	9.08	6	Azoxystrobin	3	NO	NO	NO
9688-123-8845	SPECTRACIDE IMMUNOX MULTI-PURPOSE FUNGICIDE SPRAY CONCENTRATE	0.04	0.56	5	Myclobutanil	3	NO	YES	NO
7969-196	EMERALD FUNGICIDE	0.00	25.77	5	Nicobifen	2	YES	NO	NO
86064-9	ArmorTech TM 462 F	34.71	0.00	4	Thiophanate-methyl	3	YES	YES	NO
50534-209-100	MANICURE 6 FLOWABLE	20.00	0.00	4	Chlorothalonil	3	NO	NO	NO
89442-14	THIOPHANATE METHYL 4.5F SELECT	18.41	0.00	4	Thiophanate-methyl	3	YES	YES	NO
7969-290	INSIGNIA SC INTRINSIC BRAND FUNGICIDE	8.15	0.00	4	Pyraclostrobin	2	NO	NO	NO
264-1155-68539	CEASE	4.80	0.00	4	QST 713 strain of dried Bacillus subtilis	3	NO	NO	NO
100-1600	A19649 200SC Turf	4.34	0.00	4	Pydiflumetofen	3	NO	NO	NO
53883-393	CSI 15-114 Azoxystrobin	3.48	0.00	4	Azoxystrobin	3	NO	NO	NO
7969-350	LEXICON INTRINSIC BRAND FUNGICIDE	3.30	0.00	4	Fluxapyroxad; Pyraclostrobin	3	NO	NO	NO
53883-477	CSI 19-349 Fludioxonil	2.23	0.00	4	Fludioxonil	3	NO	NO	NO
60063-59-52287	Harrell's ProtectMAX(TM) Azoxy 25C Turf & Ornamental Fungicide	0.63	0.00	4	Azoxystrobin	2	NO	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	IARC Carcin
100-1550	HERITAGE ACTION	0.31	8.25	4	Acibenzolar-S-methyl; Azoxytobin	3	NO	NO	NO
70299-15	GC PRO	0.00	242.00	4	Sodium percarbonate	1	NO	NO	NO
61842-30-90930	MILLER LIME=SULFUR SOLUTION	34.00	0.00	3	Lime-sulfur	1	NO	NO	NO
72112-2	TRANSOM 4.5 F	15.42	0.00	3	Thiophanate-methyl	3	YES	YES	NO
228-626	NUFARM T-METHYL PRO 4.5 F FUNGICIDE	10.00	0.00	3	Thiophanate-methyl	3	YES	YES	NO
67702-2-67690	CAMELOT O FUNGICIDE/BACTERICIDE	7.91	0.00	3	Copper octanoate	3	NO	NO	NO
228-737	NUP-15013 Fungicide	7.29	0.00	3	Fluazinam	3	YES	NO	NO
83070-8	ADVANCE PROPAMOCARB	6.50	0.00	3	Propamocarb hydrochloride	3	NO	NO	NO
70051-107-59807	TRIATHLON BA	4.50	0.00	3	Bacillus subtilis var. amyloliquefaciens strain D747	0	NO	NO	NO
53883-313	QUALI-PRO CHLOROTHALONIL DF	4.13	50.00	3	Chlorothalonil	2	YES	NO	YES
101563-112	BAYLETON FLO TURF AND ORNAMENTAL FUNGICIDE	3.31	0.00	3	Triadimefon	3	YES	YES	NO
7969-184	Insignia Fungicide	2.91	0.00	3	Pyraclostrobin	3	NO	NO	NO
69526-5-499	PRESCRIPTION TREATMENT BRAND ULTRA-PURE OIL (WIDESCRIPTRO, HORTICULTUR	1.91	0.00	3	Mineral oil	3	NO	NO	NO
1001-70	3336 G	0.00	1,260.00	3	Thiophanate-methyl	3	YES	YES	NO
53883-440	CSI 16-190 AZOXY + PPZ	0.00	1,175.00	3	Propiconazole; Azoxytobin	3	YES	NO	NO
89442-46	FluazTeb Select	36.07	0.00	2	Fluazinam; Tebuconazole	3	YES	NO	NO
2217-1049	EF-716 FUNGICIDE	16.00	0.00	2	Azoxytobin; Cyazofamid	3	NO	NO	NO
50534-211-100	DACONIL ZN FLOWABLE FUNGICIDE	10.00	0.00	2	Chlorothalonil	2	NO	NO	NO
89442-41	AzProp Select	10.00	0.00	2	Propiconazole; Azoxytobin	3	YES	NO	NO
53883-375-86064	QUALI-PRO IPRO 2SE	9.25	0.00	2	Iprodione	3	YES	NO	NO
42750-99-89442	TEBUCONAZOLE 3.6F SELECT	3.82	0.00	2	Tebuconazole	3	YES	NO	NO
100-1326	BANNER MAXX II	3.13	0.00	2	Propiconazole	3	YES	NO	NO
93051-4	Rightline Azox 2 SC	1.87	0.00	2	Azoxytobin	3	NO	NO	NO
89442-21	AZOXY 2SC SELECT	1.84	0.00	2	Azoxytobin	3	NO	NO	NO
89442-3	PPZ 41.8 SELECT	1.69	0.00	2	Propiconazole	2	YES	NO	NO
7969-255	HONOR FUNGICIDE	1.52	18.57	2	Nicobifen; Pyraclostrobin	3	YES	NO	NO
84059-3	REGALIA BIOPROTECTANT CONCENTRATE	1.13	0.00	2	Reynoutria sachalinensis	3	NO	NO	NO
8033-138-279	Serata Fungicide	1.09	8.70	2	Picarbutrazox	3	NO	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	IARC Carcin
62719-402-10404	LESCO MANCOZEB DG TURF AND ORNAMENTAL FUNGICIDE	0.00	96.00	2	Mancozeb	3	YES	NO	NO
53883-380	QUALI-PRO IPRO 2	0.00	40.00	2	Iprodione	3	YES	NO	NO
53883-418	CSI 15-128B Azoxy + Propiconazole	0.00	32.00	2	Azoxystrobin; Propiconazole	3	YES	NO	NO
53883-363	BUMPER 14.3 EC (PROPICONAZOLE) FUNGICIDE	0.00	31.25	2	Propiconazole	3	YES	NO	NO
228-626-52287	NUFARM T-METHYL SPC 4.5 F FUNGICIDE	0.00	14.56	2	Thiophanate-methyl	3	YES	YES	NO
464-693-63288	CHEMICAR 15	75.00	0.00	1	Glutaraldehyde	1	NO	NO	NO
228-623	NUFARM PROPICONAZOLE SPC 14.3 MEC FUNGICIDE	42.50	0.00	1	Propiconazole	2	YES	NO	NO
71711-28-2217	Pedigree Fungicide SC	12.66	0.00	1	Flutolanil	3	NO	NO	NO
100-1231	INSTRATA	9.53	0.00	1	Chlorothalonil; Fludioxonil; Propiconazole	3	YES	NO	YES
101563-148	ES TC006A	7.50	0.00	1	Mono- and di-potassium salts of phosphorous acid	0	NO	NO	NO
101563-223	19ESP006	5.44	0.00	1	Fluopyram, Propamocarb hydrochloride, Prothioconazole	3	NO	NO	NO
100-1694	DACONIL SDG	2.50	0.00	1	Chlorothalonil	1	YES	NO	YES
7969-403	NAVICON INTRINSIC BRAND FUNGICIDE	1.16	0.00	1	Pyraclostrobin; Mefentrifluconazole	3	NO	NO	NO
100-1216	BANNER HERITAGE MAXX	1.00	0.00	1	Azoxystrobin; Propiconazole	3	YES	NO	NO
70506-571	TERRAZOLE 4EC	1.00	0.00	1	Terrazole	1	YES	NO	NO
71512-20-100	SECURE	0.39	0.00	1	Fluazinam	2	YES	NO	NO
71512-13-279	SEGWAY FUNGICIDE	0.31	0.00	1	Cyazofamid	3	NO	NO	NO
73806-1	K-PHITE 7LP Fungicide	0.18	0.00	1	Mono- and di-potassium salts of phosphorous acid	3	NO	NO	NO
961-277	LEBANON TURF FUNGICIDE CONTAINS DACONIL	0.00	400.00	1	Chlorothalonil	3	YES	NO	YES
9198-115	THE ANDERSONS TURF FUNGICIDE WITH 5.0% DACONIL	0.00	360.00	1	Chlorothalonil	1	YES	NO	YES
50534-202-100	MANICURE ULTREX TURF & ORNAMENTAL	0.00	84.40	1	Chlorothalonil	1	NO	NO	NO
53883-483	Quali-Pro TM 4.5	0.00	20.00	1	Thiophanate-methyl	3	YES	YES	NO
70506-272	PEGASUS DFX	0.00	20.00	1	Chlorothalonil	1	YES	NO	YES
70506-187	MICROTHIOL DISPERS	0.00	15.00	1	Sulfur	3	NO	NO	NO
91234-199-52287	Harrells ProtectMAX Cyazo	0.00	2.50	1	Cyazofamid	3	NO	NO	NO
91234-199-53883	Gateway Fungicide SC	0.00	2.50	1	Cyazofamid	3	NO	NO	NO
100-1093	HERITAGE FUNGICIDE	0.00	1.25	1	Azoxystrobin	3	NO	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	IARC Carcin
62388-1-93445	NOGALL	0.00	0.55	1	Agrobacterium radiobacter strain K1026	3	NO	NO	NO
100-1434	MEDALLION WDG	0.00	0.00	1	Fludioxonil	3	NO	NO	NO
Other (Repellents, Biochemical Pesticides, Etc.)									
59807-4	HORMODIN 1	0.00	0.48	66	IBA	3	NO	NO	NO
60061-142	PETTIT NEPTUNE 5 HARD HYBRID ABLATIVE ANTIFOULING PAINT	17.00	0.00	17	Copper oxide (ous)	2	NO	NO	NO
70299-16-84732	GREEN STOP LIQUID ALGAECIDE	0.97	0.00	2	Hydrogen peroxide, Peroxyacetic acid	1	NO	NO	NO
73049-15	PROGIBB 4% PLANT GROWTH REGULATOR SOLUTION	0.00	0.00	2	Gibberellins	2	NO	NO	NO
63838-5	BROMMAX 7.1	70.00	0.00	1	Sodium bromide; Sodium hypochlorite	1	NO	NO	NO
14802-8-74466	MICROBE LIFE ALGAWAY 5.4 ALGAECIDE FOR PONDS	4.25	0.00	1	Poly(oxyethylene) (dimethylimino) ethylene (dimethylimino) ethylene dichloride	3	NO	NO	NO
70299-19	SANIDATE 5.0	0.94	0.00	1	Hydrogen peroxide, Peroxyacetic acid	1	NO	NO	NO

APPENDIX 3: Complete Listing of “Best Management Practices” Insecticides

EPA Reg. #	EPA Prod Name	Volume in Gallons	Weight in Pounds	Total Applications	Active Ingredient Data
73049-429	VECTOMAX FG	0.00	12867.49	479,020	Bacillus sphaericus; Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52
100-1484	DUPONT ADVION COCKROACH GEL BAIT	9.02	1552.66	64,371	Indoxacarb
2724-351	ZOECON RF-259 EMULSIFIABLE CONCENTRATE	40.48	6.19	47,749	(7S)-Hydroprene
2724-469	ZOECON (S)-HYDROPRENE ROACH CONTROL STATION II	0.51	16966.79	23,121	(7S)-Hydroprene
64405-2	REDZONE BAIT	0.00	10798.12	16,991	Boric acid
100-1290	OPTIGARD COCKROACH GEL BAIT	0.00	309.00	12,481	Emamectin, benzoate
1021-2593	VENDETTA PLUS COCKROACH GEL BAIT	0.66	123.03	4,953	Avermectin; Pyriproxyfen
100-1498	DUPONT ADVION ANT GEL	0.01	81.78	1,854	Indoxacarb
73079-6	GREEN ZONE GRANULAR BAIT	0.00	199.41	1,043	Boric acid
73766-1	GOURMET ANT BAIT GEL	0.28	13.68	911	Disodium octaborate tetrahydrate
73049-10	VECTOBAC G BIOLOGICAL LARVICIDE GRANULES	0.00	40050.46	877	Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52
100-1679	Advion Trio	0.00	22.07	820	Indoxacarb; Pyriproxyfen; Novaluron
2724-351	ZOECON GENCOR 9% EMULSIFIABLE CONCENTRATE	3.16	0.00	631	(7S)-Hydroprene
53883-438	CSI 16-107G Indoxacarb Powder	0.00	9.67	507	Indoxacarb
100-1486	DUPONT ADVION COCKROACH BAIT ARENA	0.00	322.88	472	Indoxacarb
1021-2796	MGK Formula 3113	0.00	8.95	410	Clothianidin; Pyriproxyfen
73049-20	VECTOLEX CG BIOLOGICAL LARVICIDE	0.00	966.81	382	Bacillus sphaericus
73079-12	SILICIDE(TM)	0.00	47.06	321	Diatomaceous earth
64405-37	Nibor-D Insecticide Foam + IGR	0.00	187.38	280	Disodium octaborate tetrahydrate; Pyriproxyfen
101563-119	BES 0026 FLY SPOT BAIT	46.59	155.71	240	Imidacloprid; (Z)-9-Tricosene
89459-59	ENVI ACU CONTACT Insecticide	12.88	3.28	218	Phenylethyl propionate
73079-14	IMIDACLOPRID GRANULAR BAIT	0.00	13.41	135	Imidacloprid
101563-122	MAXFORCE FC ROACH KILLER BAIT GEL F.05	0.00	4.14	132	Fipronil
101563-140	MAXFORCE QUANTUM ANT BAIT	0.00	2.54	108	Imidacloprid
64405-8	NIBOR BORATE INSECTICIDE AND FUNGICIDE	0.00	57.09	56	Disodium octaborate tetrahydrate
2724-352	ZOECON RF-291 EMULSIFIABLE CONCENTRATE WITH PRECOR	0.21	0.00	53	S-Methoprene
101563-49	PRODUCT: RBF5	0.23	1.09	49	Fipronil
73079-4	BORACTIN INSECTICIDE POWDER	0.00	14.56	45	Boric acid
499-370	PT 370 ASCEND FIRE ANT STOPPER BAIT	0.00	11.03	32	Avermectin
101563-47	MAXFORCE ROACH BAIT F.05	0.00	0.66	31	Fipronil
2724-484	RF 9707 AEROSOL	0.80	6.69	29	(7S)-Hydroprene
6218-47	SUMMIT B.T.I. BRIQUETS	0.01	49.07	29	Bacillus thuringiensis subspecies Israelensis strain BMP 144
499-410	AVERT PRESCRIPTION TREATMENT TC 93B BAIT	0.00	0.14	29	Avermectin
73049-501	VBC-60394 FG BIOLOGICAL LARVICIDE FINE GRANULE	0.00	5990.00	20	Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52
70051-2	TRIACT 70	2.24	0.00	18	Neem oil
73049-56	VECTOBAC WDG BIOLOGICAL LARVICIDE	0.00	17.60	14	Bacillus thuringiensis, subsp. Israelensis, strain AM 65-52
499-568	PT ALPINE PRESSURIZED FLY BAIT	0.00	3.46	13	Dinotefuran
64405-2	ECOLOGICAL ANT & INSECT BAIT	0.03	3.31	12	Boric acid
73079-2	INTICE GRANULAR BAIT	0.00	0.29	12	Boric acid

100-1485	DUPONT ADVION ANT BAIT ARENA	0.00	0.28	12	Indoxacarb
53883-466	Strike Max Alacer Ant Gel Bait	0.00	0.35	10	Indoxacarb
101563-46	MAXFORCE FC ANT BAIT STATIONS	0.00	0.15	9	Fipronil
62719-523	BLACKHAWK	0.00	21.44	6	Spinosad
100-1636	Provaunt WDG	0.00	48.84	5	Indoxacarb
53883-455	CSI 16-172A Aerosol	0.00	0.63	5	Imidacloprid, Indoxacarb, Novaluron, Pyriproxyfen
73049-39	DIPEL DF DRY FLOWABLE BIOLOGICAL INSECTICIDE	0.00	0.12	5	Bacillus thuringiensis, subsp. Kurstaki, strain ABTS-351, fermentation solids and solubles
68850-2	LABYRINTH TERMITE BAIT	0.00	9.39	4	Diflubenzuron
2724-421	ZOECON RF-292 BRIQUET	0.00	0.26	4	S-Methoprene
62719-291	CONSERVE SC TURF AND ORNAMENTAL	0.11	0.00	3	Spinosad
48813-1	SUFFOIL-X	0.09	1.00	3	Petroleum distillates
53883-335	N + P Regulator	0.01	0.00	3	Pyriproxyfen; Novaluron
85306-1	SELECT TCS	0.00	0.90	3	Fipronil
10163-324	M-PEDE INSECTICIDE/FUNGICIDE	2.00	0.47	2	Potassium laurate
100-1487	PROVAUNT	1.13	0.00	2	Indoxacarb
59639-96	DISTANCE INSECT GROWTH REGULATOR	0.12	0.00	2	Pyriproxyfen
6218-86	MOSQUITO BITS	0.00	1.51	2	Bacillus thuringiensis subsp. israelensis, Strain SUM-6218
1021-1828	MGK ROACH BAIT 2822	0.00	0.06	2	Avermectin
64405-5	RTU WOOD PRESERVATIVE/PESTICIDE	1.00	0.00	1	Disodium octaborate tetrahydrate
499-496	PRESCRIPTION TREATMENT BRAND ADVANCE 360A DUAL CHOICE ANT BAIT STATIONS	0.00	0.00	1	Avermectin
499-527	PRESCRIPTION TREATMENT BRAND ALPINE DUST INSECTICIDE	0.00	0.04	1	Dinotefuran; Diatomaceous earth
2724-375	ALTOSID BRIQUETS	0.00	0.01	1	S-Methoprene