

2019 Annual Statewide Pesticide Use Report Chemical Totals

Text files of data are available at <<https://files.cdpr.ca.gov/pub/outgoing/pur/data/>>. Apps = Number of agricultural applications, N/A = Not Available: many nonagricultural pesticide use reports are not legally required to report area treated or number of applications. See Pesticide Use Annual Report Data Access, References, and Definitions Guide for more information.

Chemical	Pounds Applied	Apps
abamectin	51,276.54	69,659
abamectin, other related	0.03	N/A
s-abscisic acid	1,856.38	230
acephate	158,054.76	11,082
acequinocyl	11,808.25	1,903
acetamiprid	63,220.8	21,922
acetic acid	1,506.48	673
acibenzolar-s-methyl	3,242.98	11,622
acid blue 9, diammonium salt	1,303.83	25
acrolein	54,899.48	10
acrylamide/sodium acrylate copolymer	601.32	423
acrylic acid	26,737.5	3,621
agrobacterium radiobacter	248.09	68
alachlor	9.43	1
alcohols, c4-c12, normal	1.6	3
alcohols, c12-c14, aliphatic	1,289.89	N/A
alcohols, c12 - c13, ethoxylated	1,419.51	49
alkyl and alkylaryl poly (oxyethylene) glycols, mixed	7,287.24	805
1-alkyl (c6-c18) amino-3-aminopropane diacetate	0.38	N/A
alpha-alkylaryl-omega-hydroxypoly(oxyethylene)	2,783.57	334
alpha-alkylaryl-omega-hydroxypoly(oxyethylene) phosphate	0.89	3
alkyl (as in fatty acids of coconut oil) monoethanolamide	6.71	N/A
alkyl benzene sulfonic acid	11.9	9
alkyl (50%c14, 40%c12, 10%c16) dimethylbenzyl ammonium chloride	20,866.44	134
alkyl (58%c14, 28%c16, 14%c12) dimethylbenzyl ammonium chloride	1.34	N/A
alkyl (60%c14, 30%c16, 5%c12, 5%c18) dimethylbenzyl ammonium chloride	9,502.93	152
alkyl (61%c12,23%c14,11%c16,2.5%c8 & c10,2.5%c18) dimethyl benzyl ammonium chloride	0.09	N/A

Chemical	Pounds Applied	Apps
alkyl (95%c14, 3%c12, 2%c16) dimethyl benzyl ammonium chloride	0.19	N/A
alkyl (50%c14, 40%c12, 10%c16) dimethylbenzyl ammonium saccharinate	0.09	N/A
alkyl (50%c12, 30%c14, 17%c16, 3%c18) dimethylethylbenzyl ammonium chloride	0.26	1
alkyl (68%c12, 32%c14) dimethylethylbenzyl ammonium chloride	8,484.1	130
alpha-alkyl (c8-c18)-omega-hydroxypoly(oxyethylene) poly(oxypropylene)	75.06	56
alpha-alkyl (c9-c11)-omega-hydroxypoly(oxyethylene)	241,148.23	79,924
alpha-alkyl (c9-c16)-omega-hydroxypoly(oxyethylene)	116,175.69	11,677
alpha-alkyl (c9-c18)-omega-hydroxypoly(oxyethylene)	1,881.53	566
alpha-alkyl (c10-c14)-omega-hydroxypoly(oxyethylene)	293.57	142
alpha-alkyl (c10-c16)-omega-hydroxypoly(oxyethylene)	93,802.26	2,634
alpha-alkyl-omega-hydroxypoly(oxyethylene)	824.01	34
alpha-alkyl (secondary c12-c14)-omega-hydroxypoly(oxyethylene)	9,680.86	1,569
alpha-alkyl (c12-c16)-omega-hydroxypoly(oxyethylene)	35.44	80
alpha-alkyl (mixed)-omega-hydroxypoly (oxyethylene) sulfate	21.46	N/A
alpha-alkyl (c6-c14)-omega-hydroxypoly(oxyethylene) poly(oxypropylene)	0.31	1
alpha-pinene beta-pinene copolymer	293,633.13	28,015
alpha-alkyl (c12-c14)-omega-hydroxypoly(oxyethylene)	52,325.82	7,908
alpha-alkyl (secondary c11-c15)-omega-hydroxypoly(oxyethylene)	2,779.47	200
alpha-alkyl (c12-c15)-omega-hydroxypoly(oxyethylene) sulfate, sodium salt	5,945.88	2,616
alpha-alkylphenyl-omega-hydroxypoly(oxyethylene)	13.22	3
alkyl (c9-c11) oligomeric d-glucopyranoside	7,066.2	3,245
alkyl (c8,c10) polyglucoside	107,654.32	17,863
alkyl(42%c12, 26%c18, 15%c14, 8%c16, 5%c10, 4%c8)1,3-propylenediamine	181,443.99	N/A
alkyl pyridines, mixed	0.06	N/A
allethrin	4.02	17
allethrin, other related	<0.01	N/A
d-allethrin	0.26	N/A
d-allethrin, other related	<0.01	N/A
d-trans allethrin	15.21	N/A
allyl isothiocyanate	0.04	N/A
allyloxypolyethylene glycol acetate	7,836.22	2,916
almond, bitter	<0.01	2
aluminum phosphide	90,236.24	1,540

Chemical	Pounds Applied	Apps
aluminum sulfate	1,331.82	54
ametoctradin	22,657.98	7,893
aminocyclopyrachlor	243.15	N/A
aminocyclopyrachlor, potassium salt	7,274.6	N/A
amino ethoxy vinyl glycine hydrochloride	2,983.44	889
aminopyralid, triisopropanolamine salt	32,088.84	516
4-aminopyridine	11.2	N/A
amitraz	122.85	26
amitrole	14.41	N/A
ammonium citrate	29.55	4
ammonium nonanoate	5,421.19	56
ammonium nitrate	84,496.2	25,695
ammonium propionate	105,158.95	15,519
ammonium sulfate	883,187.07	71,096
amyl acetate	450.07	2,801
para-tert-amylphenol	98.55	41
ancymidol	0.24	828
aromatic 200	93,361.31	3,807
aspergillus flavus strain af36	17.68	2,034
atrazine	21,281.31	321
atrazine, other related	415.17	321
aureobasidium pullulans strain dsm 14940	2,794.06	597
aureobasidium pullulans strain dsm 14941	2,794.06	597
azadirachtin	4,572.21	20,171
azoxystrobin	287,449.13	37,019
bacillus amyloliquefaciens strain d747	298,210.84	6,812
bacillus firmus (strain i-1582)	33.07	N/A
bacillus mycoides isolate j	530.56	1,179
bacillus pumilus, strain qst 2808	7,694.06	8,329
bacillus sphaericus 2362, serotype h5a5b, strain abts 1743 fermentation solids, spores and insecticidal toxins	11,726.29	N/A
bacillus subtilis gb03	3.2	111
bacillus amyloliquefaciens strain mbi 600	683.05	476
bacillus subtilis strain iab/bs03	47.6	588
bacillus thuringiensis (berliner)	8.25	43
bacillus thuringiensis (berliner), subsp. aizawai, gc-91 protein	54,292.47	5,376
bacillus thuringiensis (berliner), subsp. aizawai, serotype h-7	547.99	186
bacillus thuringiensis, subsp. aizawai, strain abts-1857	117,899.96	13,455
bacillus thuringiensis, subsp. aizawai, strain sd-1372, lepidopteran active toxin(s)	1.91	8
bacillus thuringiensis (berliner), subsp. israelensis, serotype h-14	18,284.64	136

Chemical	Pounds Applied	Apps
bacillus thuringiensis, subsp. israelensis, strain am 65-52	56,831.51	1,457
bacillus thuringiensis (berliner), subsp. kurstaki, serotype 3a,3b	27.05	46
bacillus thuringiensis var. kurstaki strain m-200	0.16	1
bacillus thuringiensis (berliner), subsp. kurstaki, strain eg 2348	0.12	2
bacillus thuringiensis, subsp. kurstaki, strain abts-351, fermentation solids and solubles	160,628.17	15,630
bacillus thuringiensis, subsp. kurstaki, strain hd-1	24.5	52
bacillus thuringiensis subspecies kurstaki, genetically engineered strain eg7841 lepidopteran active toxin	2,503.25	513
bacillus thuringiensis (berliner), subsp. kurstaki, strain sa-11	116,356.77	7,079
bacillus thuringiensis (berliner), subsp. kurstaki strain sa-12	335.73	81
bacillus thuringiensis (berliner), subsp. san diego	1.61	N/A
bacteriophage active against xanthomonas campestris pv. vesicatoria and pseudomonas syringae pv. tomato	<0.01	8
balsam fir oil	<0.01	N/A
bandane	0.06	1
beauveria bassiana hf 23	70.68	N/A
beauveria bassiana strain gha	6,182.92	3,858
beauveria bassiana strain ppri 5339	11.07	60
bendiocarb	2.48	N/A
benefin	9,446.19	227
benomyl	0.65	8
bensulfuron methyl	632.14	166
bensulide	310,643.58	8,999
bentazon, sodium salt	8,542.92	621
bentonite	109,165.53	3,492
benzenesulfonic acid, c10-16-alkyl derivatives	7.31	N/A
benzobicyclon	25,106.19	1,492
benzoic acid	5,704.56	22,029
n6-benzyl adenine	477.39	2,357
ortho-benzyl-para-chlorophenol	498.75	1
benzyl diethyl [(2,6-xylyl carbamoyl)methyl] ammonium saccharide	0.03	N/A
beta-conglutin	2,886.91	210
bifenazate	306,965.29	12,452
bifenthrin	312,114.52	33,376
s-bioallethrin	<0.01	N/A
bis butenylene tetrahydro furfural	0.15	N/A

Chemical	Pounds Applied	Apps
n,n-bis-(2-omega-hydroxypoly(oxyethylene)ethyl)alkylamine, alkyl derived from tallow fatty acids	178,679.69	67,748
n,n-bis-(2-(omega-hydroxypoly(oxyethylene)/poly(oxypropylene))ethyl)alkyl (c8-c18) amine	13,985.91	296
bispyribac-sodium	5,971.43	2,153
borax	199,120.71	562
boric acid	590,724.6	69
boscalid	133,502.47	24,542
brodifacoum	13.47	17
bromacil	18,597.34	189
bromacil, lithium salt	1,595.68	N/A
bromadiolone	41.38	214
bromethalin	3.51	151
bromine chloride	3.63	N/A
1-bromo-3-chloro-5,5-dimethyl hydantoin	62,166.07	N/A
bromoxynil heptanoate	12,258.65	1,103
bromoxynil octanoate	35,758.46	1,892
bronopol	760.1	N/A
buffalo gourd root powder	33.26	21
buprofezin	210,526.0	5,815
burkholderia sp strain a396 cells and fermentation media	412,529.07	6,269
2-butoxyethanol	5,066.27	2,496
2-(2-butoxy ethoxy) ethyl thiocyanate	0.01	N/A
butoxy polypropylene glycol	0.06	1
butyl alcohol	47,856.53	17,452
butyl lactate	3,935.37	2,532
alpha-(para-tert-butylphenyl)-omega-hydroxypoly(oxyethylene) phosphate	24,185.21	5,199
cadmium chloride	4.5	22
calcium acid methanearsonate	0.03	N/A
calcium carbonate	205,800.0	N/A
calcium chloride	9,572.99	6,531
calcium hydroxide	4,801,423.19	10,527
calcium hypochlorite	103,020.75	1,369
calcium salts of phosphorous acid	0.2	1
canola oil	2,832.53	2,998
capric acid	131,670.71	1,593
caprylic acid	193,393.12	1,594
capsicum oleoresin	409.18	1,031
captan	375,416.95	5,965
captan, other related	3,449.65	2,552
carbaryl	113,084.49	2,730

Chemical	Pounds Applied	Apps
carbo methoxy ether cellulose, sodium salt	242.57	3,955
complex carbohydrate polymer derivative	38.03	9
carbon	1,378.64	7
carbon dioxide	73,103.89	N/A
carboxin	454.47	21
carfentrazone-ethyl	17,697.9	20,514
casein	8,101.0	3,491
castor oil ethoxylate	24,298.04	7,898
chenopodium ambrosiodes near ambrosiodes	186.26	16
chlordantraniliprole	188,790.82	55,221
chlordecone	<0.01	N/A
chlorfenapyr	12,222.43	809
chlorflurenol, methyl ester	66.51	N/A
chlorine	509,509.73	N/A
chlorine dioxide	704.5	N/A
chlormequat chloride	953.26	2,375
5-chloro-2-(2,4-dichlorophenoxy) phenol	0.5	1
5-chloro-2-methyl-4-isothiazolin-3-one	8,682.59	N/A
chlorophacinone	7.14	328
chloropicrin	8,056,245.74	2,189
chlorothalonil	1,160,778.8	16,668
3-chloro-p-toluidine hydrochloride	0.16	2
chlorpropham	5,595.29	20
chlorpyrifos	12,812.55	367
chlorsulfuron	2,953.43	171
chlorthal-dimethyl	216,597.91	6,750
cholecalciferol	39.0	11
chromobacterium subtsugae strain praa4-1	38,877.44	4,334
citric acid	165,576.64	55,387
clarified hydrophobic extract of neem oil	138,593.11	7,425
clethodim	89,062.19	9,391
clofentezine	30,156.91	2,301
clomazone	45,159.98	1,353
clopyralid	0.12	1
clopyralid, monoethanolamine salt	10,269.06	828
clopyralid,triethylamine salt	76.04	2
clothianidin	20,197.66	6,483
coconut diethanolamide	28,324.16	12,190
coconut imidazoline sodium carboxylate	141.32	376
codling moth granulosis virus	0.35	429
coniothyrium minitans strain con/m/91-08	216.29	167
copper	5,406.36	99
copper ammonium carbonate	90,015.18	3

Chemical	Pounds Applied	Apps
copper ammonium complex	61.81	18
copper carbonate, basic	47.48	N/A
copper citrate chelate	1,893.54	N/A
copper diammonium diacetate complex	1,397.15	156
copper ethanolamine complexes, mixed	1,454,458.93	76
copper ethylenediamine complex	20,125.92	1
copper gluconate chelate	1,834.83	N/A
copper hydroxide	2,780,177.7	42,896
copper naphthenate	4,869.23	N/A
copper octanoate	19,658.14	5,249
copper oxide (ous)	349,805.21	8,247
copper oxychloride	401,812.67	12,611
copper oxychloride sulfate	2,621.05	49
copper salts of fatty and rosin acids	264.92	44
copper sulfate (basic)	1,209,040.07	10,726
copper sulfate (pentahydrate)	1,798,201.08	3,145
copper triethanolamine complex	20,156.65	3
copper-zinc sulfate complex	3.24	1
corn product, hydrolyzed	72,357.65	2,506
corn steep liquor	141,016.62	1,107
corn syrup	18,250.89	1,711
cottonseed flour	88.54	N/A
cottonseed oil	39,588.48	548
coumafuryl	0.15	1
coyote urine	2.8	N/A
creosote	1.48	N/A
cryolite	361,996.92	1,670
cube extracts	0.32	N/A
cyanazine	0.03	2
cyantraniliprole	52,188.74	19,599
cyanuric acid	3.39	2
cyazofamid	3,295.76	3,633
cyclanilide	1,978.47	505
cycloate	43,662.36	3,094
cyclohexanone	0.87	N/A
cyflufenamid	7,615.52	13,259
cyflumetofen	52,390.34	6,574
cyfluthrin	11,236.36	4,722
beta-cyfluthrin	24,195.8	16,700
cyhalofop-butyl	14,468.99	605
cymoxanil	11,601.73	3,865
cypermethrin	20,643.43	705
(s)-cypermethrin	21,290.56	25,370

Chemical	Pounds Applied	Apps
cyprodinil	227,983.83	26,510
cyromazine	2,574.73	2,468
cytokinin (as kinetin)	0.03	31
2,4-d	5,388.54	240
2,4-d, alkanolamine salts (ethanol and isopropanol amines)	7.16	1
2,4-d, butoxyethanol ester	1,616.54	26
2,4-d, butyl ester	32.66	N/A
2,4-d, diethanolamine salt	3,047.49	314
2,4-d, dimethylamine salt	319,741.93	7,376
2,4-d, 2-ethylhexyl ester	23,842.71	296
2,4-d, isooctyl ester	491.46	22
2,4-d, isopropyl ester	13,850.18	7,329
2,4-d, triethylamine salt	11.73	N/A
2,4-d, triisopropanolamine salt	806.55	N/A
2,4-d, triisopropylamine salt	69.2	N/A
daminozide	6,071.19	4,260
dazomet	13,316.8	5
4-(2,4-db), dimethylamine salt	54,941.99	1,038
ddvp	3,331.15	1
ddvp, other related	83.96	N/A
2,4-decadienoic acid, ethyl ester, (2e,4z)-	1.35	83
3-decen-2-one	443.07	N/A
(e)-5-decenol	4.65	37
(e)-5-decen-1-ol	45.02	71
(e)-5-decenyl acetate	741.28	108
alpha-decyl-omega-hydroxypoly(oxyethylene) phosphate	1,044.62	17
decyl phenoxy benzene disulfonic acid, disodium salt	1,108.39	712
deet	16.95	2
deet, other related	0.82	2
deltamethrin	11,894.6	52
derivated natural polymers	1.36	17
desmedipham	145.8	13
dextrin	0.51	N/A
n-dialkyl (60%c14, 30%c16, 5%c12, 5%c18) methyl benzyl ammonium chloride	4.15	N/A
dialkyl phthalate	0.06	1
diatomaceous earth	403,510.18	1,829
diatomaceous earth, other related	0.51	N/A
diazinon	40,065.03	655
1,3-dibromo-5,5-dimethylhydantoin	196.0	N/A
2,2-dibromo-3-nitrilopropionamide	24,408.26	N/A
dibutylphthalate	0.38	N/A

Chemical	Pounds Applied	Apps
dicamba	1,152.68	204
dicamba, dimethylamine salt	15,325.46	488
dicamba, potassium salt	0.01	N/A
dicamba, sodium salt	4,103.26	537
dichlobenil	85,316.39	5
para-dichlorobenzene	1.25	N/A
1,3-dichloro-5,5-dimethylhydantoin	18,460.43	N/A
1,3-dichloro-5-ethyl-5-methylhydantoin	10,142.5	N/A
1,3-dichloropropene	11,300,808.59	2,759
dicloran	19,898.73	1,226
dicofol	4.64	7
didecyl dimethyl ammonium bicarbonate	21,786.37	N/A
didecyl dimethyl ammonium carbonate	21,786.37	N/A
didecyl dimethyl ammonium chloride	1,412.71	298
diethanolamine	352.05	216
diethylene glycol	242,118.05	32,551
difenacoum	0.01	N/A
difenoconazole	65,626.12	18,665
difenzoquat methyl sulfate	17.47	N/A
difethialone	13.79	8
diflubenzuron	34,512.26	7,291
diflufenzopyr, sodium salt	940.23	379
diglycolamine salt of 3,6-dichloro-o-anisic acid	39,835.86	1,792
dihydro-5-heptyl-2(3h)-furanone	<0.01	10
dihydro-5-pentyl-2(3h)-furanone	<0.01	10
n,n-di (hydroxy ethyl) alkyl amine, alkyl derived from soybean fatty acids	0.02	1
diiodomethyl p-tolyl sulfone	355.02	N/A
2-(2-(p-(diisobutyl) phenoxy) ethoxy) ethyl dimethylbenzyl ammonium chloride	2.4	N/A
dikegulac sodium	2,417.41	68
dimethenamid-p	18,318.04	1,203
dimethoate	160,874.36	8,212
dimethomorph	30,632.72	13,945
dimethyl alkyl tertiary amines	6,223.28	22,025
dimethyl and methyl naphthalene sulfonic acid, sodium salt	0.01	N/A
dimethyl dicocoalkyl ammonium salt with naphthalenesulfonic acid, formaldehyde condensate	309.28	223
5,5-dimethylhydantoin	2,869.97	N/A
1,4-dimethylnaphthalene	378.5	N/A
3,7-dimethyl-6-octen-1-ol	70.1	224
dimethylpolysiloxane	227,667.26	153,628
dimethyl silicone fluid emulsion	2,722.85	19,633

Chemical	Pounds Applied	Apps
alpha-(ortho,para-dinonylphenyl)-omega-hydroxypolyoxy(ethylene) phosphate	31.37	2
dinotefuran	76,857.09	4,861
dioctyl dimethyl ammonium chloride	9,837.78	38
dioctyl phthalate	7.74	4
diphacinone	33.92	2,971
diphacinone, sodium salt	1.42	2
diphenylamine	88.76	N/A
dipropylene glycol	0.28	N/A
dipropylene glycol methyl ether	207.59	315
dipropyl isocinchomeronate	0.25	N/A
diquat dibromide	104,999.1	6,324
disodium lauryl sulfosuccinate	3.06	N/A
disodium octaborate anhydrous	68.43	N/A
disodium octaborate tetrahydrate	262,165.01	40
disodium phosphate	1,381.33	51
disulfoton	19.6	N/A
dithiopyr	46,367.37	1,483
diuron	169,639.08	5,755
e,e-8,10-dodecadien-1-ol	861.77	533
z-8-dodecenol	51.53	3,154
e-8-dodecenyl acetate	321.55	3,154
z-8-dodecenyl acetate	4,028.19	3,154
dodecylbenzene sulfonic acid	5,622.33	9,574
dodecylbenzene sulfonic acid, calcium salt	218.95	2,705
dodecyl dimethyl betaine	0.44	2
alpha-(para-dodecylphenyl)-omega-hydroxypoly(oxyethylene)	24,998.4	20,541
dodine	7,583.21	157
dichlorprop, butoxyethanol ester	14.21	N/A
2-(2,4-dp), dimethylamine salt	1.44	N/A
2,4-dp, isooctyl ester	0.09	N/A
2,4-dp-p, dimethylamine salt	39.61	6
edta	1,183.27	1,412
edta, sodium salt	0.07	1
edta, tetrasodium salt	349.42	9,598
(e,e)-9, 11-tetradecadien-1-yl acetate	0.3	3
emamectin benzoate	2,840.07	9,413
emulsifiable methylated vegetable oil	202,136.54	22,757
emulsifiable polyethylene	29.62	5
endosulfan	81.37	3
endothall, dipotassium salt	99,529.43	3
endothall, disodium salt	2,932.61	N/A

Chemical	Pounds Applied	Apps
endothall, mono [n,n-dimethyl alkylamine] salt	73,481.73	N/A
e pn	4.38	N/A
e ptc	181,661.74	1,285
esbiothrin	<0.01	N/A
esfenvalerate	45,421.13	17,577
essential oils	6.76	43
ethalfluralin	40,085.97	609
ethanolamine	686.42	225
ethephon	444,819.23	10,040
ethion	1.87	3
etofenprox	1,314.02	N/A
ethofumesate	11,125.42	169
ethoprop	5,949.56	202
ethoxylated polyaryl phenol	2.02	6
ethyl alcohol	1,238.56	40
ethylene	1,020.62	284
ethylene glycol	48,063.42	5,803
ethylene glycol monomethyl ether	2,453.04	591
2-ethylhexyl sulfate, sodium salt	35.04	9
etoxazole	66,557.39	11,609
famoxadone	6,610.02	1,926
farnesol	28.07	224
fatty acid and phosphatic	0.05	1
fatty acids, methyl esters	188,364.04	4,129
fatty acids, mixed	185,638.87	49,104
fatty acids, c16-18 and c18-unsaturated, branched and linear	982.51	1,929
fatty acids, c16-c18 and c18-unsaturated, methyl esters	488,423.09	39,505
fatty acids derived from tallow	20,935.15	7,908
fenamidone	30,245.41	10,861
fenarimol	16.63	15
fenazaquin	45,100.51	1,337
fenbuconazole	5,579.24	1,347
fenbutatin-oxide	6,455.4	277
fenhexamid	84,296.43	8,100
fenoxaprop-p-ethyl	5.49	3
fenoxycarb	0.32	3
fenpropathrin	58,145.49	7,092
fenpyroximate	28,494.66	5,624
fenthion	0.01	1
fenvalerate	0.01	N/A
fenugreek	0.45	2
ferbam	5.55	N/A

Chemical	Pounds Applied	Apps
ferric sodium edta	8,568.28	489
ferric sulfate (anhydrous)	0.59	N/A
ferrous sulfate	736.02	379
fipronil	23,091.99	24
flazasulfuron	1,514.22	3,204
flonicamid	56,716.29	17,166
florasulam	0.11	1
fluazifop-butyl	93.48	N/A
fluazifop-p-butyl	16,558.19	1,772
fluazinam	2,381.45	188
flubendiamide	785.56	723
fludioxonil	37,531.45	11,374
fluensulfone	2,178.42	64
flumioxazin	82,572.9	15,345
flumiclorac-pentyl	113.07	38
fluopicolide	6,649.71	6,376
fluopyram	126,847.73	33,764
fluoxastrobin	14.76	15
flupyradifurone	63,681.65	20,712
flurecol-methyl	15.87	N/A
fluridone	7,923.89	4
fluroxypyr	14.31	N/A
fluroxypyr, 1-methylheptyl ester	2,097.63	29
flurprimidol	1,904.46	401
flutolanil	5,987.18	33
flutriafol	13,200.65	6,164
tau-fluvalinate	988.6	2,139
fluxapyroxad	54,605.92	11,457
folpet	<0.01	1
foramsulfuron	162.11	29
forchlorfenuron	169.56	754
formaldehyde	3,082.37	N/A
formetanate hydrochloride	42,670.1	1,839
formic acid	351.16	13
fosetyl-al	250,337.85	10,096
fox urine	1.28	N/A
free fatty acids and/or amine salts	926.72	15
freon 12	31.73	N/A
gamma-cyhalothrin	1,219.53	1
garlic	1,097.61	1,606
geraniol	70.1	224
german cockroach pheromone	<0.01	N/A
gibberellins	25,377.51	17,756

Chemical	Pounds Applied	Apps
gliocladium virens gl-21 (spores)	1,217.53	171
glufosinate-ammonium	1,975,044.81	64,103
glutaraldehyde	108,582.73	35
glycerol	71,503.93	12,469
glyceryl stearate	0.01	1
glycolic acid	0.89	N/A
glyphosate	9.81	N/A
glyphosate, dimethylamine salt	172,483.56	1,434
glyphosate, isopropylamine salt	6,306,993.07	82,192
glyphosate, monoammonium salt	10,861.54	31
glyphosate, potassium salt	6,068,782.66	87,891
glyphosate-trimesium	3.0	N/A
gs-omega/kappa-hctx-hv1a (versitude peptide)	21.98	17
halosulfuron-methyl	7,795.95	2,718
heptamethyltrisiloxane ethoxylated	43,700.2	8,071
heptamethyltrisiloxane-1,3-propanediol ether, ethoxylated propoxylated	54,601.79	17,087
heptyl butyrate	27.57	N/A
(z)-9-hexadecenal	0.02	N/A
(z)-11-hexadecen-1-yl acetate	30.07	116
(z)-11-hexadecenal	19.29	81
(z,z)-11,13-hexadecadienal	1,845.78	1,816
hexaflumuron	0.2	N/A
hexazinone	48,280.73	1,171
hexylene glycol	3,316.87	N/A
hexythiazox	82,358.87	10,027
humic acid	2,342.87	1,412
hydramethylnon	311.73	236
hydrogen chloride	1,385.28	N/A
hydrogen cyanamide	579,701.56	1,075
hydrogen peroxide	460,682.38	15,963
hydroprene	3,988.54	48
hydrotreated paraffinic solvent	316,773.14	12,833
1-(2-hydroxyethyl)-2-alkyl-2-imidazoline, alkyl derived from tall oil fatty acids	147.81	1
2-hydroxyethyl octyl sulfide	8.82	N/A
hydroxyethyl octyl sulfide, other related	0.46	N/A
2-hydroxypropyl guar gum	2.79	2
2-(3-hydroxypropyl)-hepta-methyl trisiloxane, ethoxylated, acetate	117,581.93	33,157
iba	29.12	1,498
imazalil	28,838.65	N/A
imazalil sulfate	16,819.77	N/A

Chemical	Pounds Applied	Apps
imazamox, ammonium salt	6,405.83	1,473
imazapic, ammonium salt	51.05	17
imazapyr, isopropylamine salt	91,123.24	1,514
imazethapyr	39.89	4
imazethapyr, ammonium salt	5,538.23	1,223
imazosulfuron	3,976.83	353
imidacloprid	523,769.58	55,584
imiprothrin	<0.01	N/A
indaziflam	41,214.27	25,816
indole	0.02	N/A
indoxacarb	39,591.37	14,470
3-iodo-2-propynyl butylcarbamate	1,302.84	5
iodosulfuron-methyl-sodium	1.61	N/A
ipconazole	28.5	N/A
iprodione	108,238.15	10,502
iron hedta	157.21	N/A
iron phosphate	3,210.72	1,272
isodecyl alcohol	54.95	36
alpha-isodecyl-omega-hydroxypoly(oxyethylene)	1,146.73	868
alpha-isodecyl-omega-hydroxypoly(oxyethylene) phosphate	24,792.76	2,065
isofetamid	1,570.69	163
alpha-isoctadecyl-omega-hydroxypoly(oxyethylene)	845.81	N/A
isooctyl phthalate	2,487.37	590
isoparaffinic hydrocarbons	25,206.57	2,378
isopropyl alcohol	56,944.35	45,551
isopropylamine dodecylbenzene sulfonate	4,928.97	5,829
isoxaben	37,556.65	3,762
kaolin	2,720,805.64	3,337
kasugamycin hydrochloride	2,771.26	957
kerosene	106.53	3
kinoprene	0.15	5
(s)-kinoprene	531.16	813
kresoxim-methyl	17,426.56	2,978
lactic acid	14.69	9
lactose	8,185.7	3,492
lambda-cyhalothrin	96,148.58	73,508
lauric acid	5,405.34	2,616
lauryl alcohol	229.05	192
lauryl dimethylamine oxide	15.11	16
lavandulyl senecioate	4,187.17	8,643
lecithin	752,275.39	76,942
lignin sulfonic acid	4.75	3

Chemical	Pounds Applied	Apps
lignin sulfonic acid, copper salt	0.25	N/A
lignin sulfonic acid, magnesium salt	1.82	1
lignin sulfonic acid, zinc salt	906.79	59
lime	0.1	3
lime-sulfur	1,448,877.48	2,594
limonene	56,870.49	2,393
linalool	0.55	N/A
lindane	0.51	N/A
linear alkyl sulfonate, potassium salt	4.5	1
linuron	50,180.47	3,453
low molecular weight paraffinic oil	112.17	16
magnesium chloride	18.04	N/A
magnesium phosphide	9,660.2	3
malathion	323,904.76	9,539
maleic hydrazide	0.11	N/A
maleic hydrazide, potassium salt	6,920.28	74
mancozeb	1,540,118.72	34,430
mandipropamid	34,913.33	25,614
maneb	3,157.37	98
manganese sulfate	1,121.57	417
margosa oil	41,098.43	3,005
mcpa, dimethylamine salt	76,884.77	2,584
mcpa, 2-ethyl hexyl ester	483.91	20
mcpa, isooctyl ester	3,055.86	N/A
mcpa, sodium salt	0.89	1
mcpp	31.75	N/A
mcpp, dimethylamine salt	43.23	N/A
mcpp, potassium salt	44.56	16
mcpp-p, dimethylamine salt	1,137.1	25
mcpp-p, potassium salt	749.33	4
mecoprop-p	2,767.21	200
mefenoxam	95,359.02	16,904
mefenoxam, other related	87.14	5,058
mefluidide, diethanolamine salt	98.68	N/A
mepiquat chloride	14,385.02	5,135
mesosulfuron-methyl	239.96	285
mesotrione	15,366.32	2,548
meta-cresol	0.28	3
metaflumizone	329.54	5,223
metalaxyl	1,548.46	108
metaldehyde	42,932.32	5,612
metallic silver	<0.01	3
metam-sodium	4,124,364.47	616

Chemical	Pounds Applied	Apps
metarhizium anisopliae strain f52	0.53	20
metconazole	58,876.08	8,691
methidathion	1.52	1
methiocarb	1,830.57	567
methiozolin	0.07	N/A
methomyl	203,184.02	17,573
methoprene	801.46	N/A
s-methoprene	11,535.51	1,503
methoxychlor	9.85	1
methoxyfenozide	512,945.75	36,449
methyl anthranilate	1,208.28	119
methylated fatty acids from canola oil	179,498.05	2,852
methylated naphthalene	0.24	N/A
methylated silica	98.57	174
methylated soybean oil	2,480,146.7	124,015
methyl bromide	1,637,709.07	364
2-methyl-1-butanol	0.99	N/A
methyl cellulose	7.63	4
1-methylcyclopropene	0.59	N/A
methyl-2,3-dichloro-9-hydroxyfluorene-9-carboxylate	0.52	N/A
methyl-2,7-dichloro-9-hydroxyfluorene-9-carboxylate	11.57	N/A
methylene chloride	19.23	N/A
methyl esters of cottonseed oil	4,369.28	92
methyl eugenol	1,138.09	N/A
methyl iodide	9.44	1
(3s, 6r)-3-methyl-6-isopropenyl-9-decen-1-yl acetate	64.6	1,737
(3s, 6s)-3-methyl-6-isopropenyl-9-decen-1-yl acetate	64.6	1,737
2-methyl-4-isothiazolin-3-one	3,072.99	N/A
methyl nonyl ketone	0.03	N/A
n-methyl-n-oleoyltaurine, sodium salt	90.29	9
methyl parathion	10.1	2
methyl parathion, other related	0.33	1
methyl silicone resins	48,307.06	11,900
metiram	12.89	N/A
metofluthrin	11.91	N/A
metolachlor	72,056.71	692
s-metolachlor	269,416.66	4,102
metrafenone	61,878.33	9,919
metribuzin	24,787.4	1,069
mevinphos	149.84	3
mevinphos, other related	99.54	3
milbemectin	0.04	2
mineral oil	30,165,317.52	112,948

Chemical	Pounds Applied	Apps
modified phthalic glycerol alkyd resin	148,083.05	16,848
molasses	5,127.69	10
molinate	0.05	N/A
morpholine	1,078.85	594
msma	7,088.07	20
muscalure	18.0	7
myclobutanil	62,854.05	17,677
myristyl alcohol	46.52	192
myrothecium verrucaria, dried fermentation solids & solubles, strain aarc-0255	21,638.78	555
naa	14.47	656
naa, ammonium salt	248.86	73
naa, ethyl ester	13,843.63	70
naa, potassium salt	613.02	154
naa, sodium salt	1.2	4
nabam	4,796.98	N/A
naled	317,861.2	5,194
naphtha, heavy aromatic	0.12	N/A
naphthalene	0.12	N/A
1-naphthaleneacetamide	7.31	4
naphthalenesulfonic acid, formaldehyde condensate, sodium salt	0.52	N/A
napropamide	17,102.71	1,162
natamycin	96.2	3
nerolidol	70.1	224
nicarbazin	45.2	N/A
nicosulfuron	984.07	725
nitrapyrin	178.67	16
nonanoic acid	12,279.81	384
nonanoic acid, other related	645.35	376
4-nonylphenol, formaldehyde resin, propoxylated	166,817.34	46,823
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)	2,361,688.79	249,743
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene), branched	31,452.54	7,822
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene), phosphate ester	238,842.42	37,154
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene) sulfate, ammonium salt	685.19	164
norflurazon	6,631.21	257
novaluron	25,669.68	6,825
noviflumuron	13.05	1
octhilinone	27,088.51	N/A
n-octyl bicycloheptene dicarboximide	4,630.83	28

Chemical	Pounds Applied	Apps
octyl decyl dimethyl ammonium chloride	42.33	38
alpha-octylphenyl-omega-hydroxypoly(oxyethylene)	7,388.25	2,568
oil of anise	0.01	N/A
oil of black pepper	0.06	N/A
oil of citronella	1.5	N/A
oil of jojoba	12.27	1
oil of orange	486.18	2,355
oleic acid	80,020.32	21,900
oleic acid, ethyl ester	251,326.2	27,959
oleic acid, methyl ester	625,924.32	15,784
orchex 796 oil	996.16	42
organo/modified polysiloxane	80.29	920
organosilicone, poly oxyalkylene ether copolymer	8,706.36	1,742
orthosulfamuron	1.0	1
oryzalin	245,059.86	3,918
oxadiazon	3,626.15	290
oxalic acid	22.02	14
oxamyl	103,763.17	1,764
oxathiapiprolin	2,150.92	7,585
oxirane, 2-methyl-, polymer with oxirane, mono(2-ethylehexyl) ether	17.04	N/A
oxycarboxin	<0.01	1
oxydemeton-methyl	9.43	1
oxyfluorfen	878,203.41	62,047
oxytetracycline, calcium complex	1,284.65	270
oxytetracycline hydrochloride	4,942.27	1,068
oxytetracycline hydrochloride, other related	45.64	1,068
paclobutrazol	6,234.54	7,667
paecilomyces fumosoroseus apopka strain 97	8,341.37	2,938
purpureocillium lilacium strain 251	2,872.18	378
paraquat dichloride	1,340,824.82	24,630
parathion	46.68	1
pcnb	69,718.43	256
pcp, other related	2.37	22
pendimethalin	2,319,035.47	28,787
penflufen	10.66	N/A
penoxsulam	6,609.17	4,263
pentachlorophenol	21.01	22
penthiopyrad	132,930.5	15,469
permethrin	138,561.31	36,217
permethrin, other related	0.41	N/A
peroxyacetic acid	169,586.61	13,688
petroleum distillates	64,119.46	683

Chemical	Pounds Applied	Apps
petroleum distillates, aliphatic	1,131.73	443
petroleum distillates, aromatic	219,993.5	6,002
petroleum distillates, refined	1,764,078.33	7,411
petroleum hydrocarbons	116.23	6
petroleum naphthenic oils	420.69	422
petroleum oil, paraffin based	939,038.38	10,150
petroleum oil, unclassified	6,958,986.46	12,484
phenmedipham	394.65	64
phenol	2.27	3
phenothrin	2,457.71	1
phenothrin, other related	0.01	1
phenylethyl propionate	20.16	N/A
phenylmercuric acetate	1.71	1
ortho-phenylphenol	400.05	41
phorate	30,814.57	427
phosacetin	0.04	1
phosmet	24,686.92	280
phosphamidon	1.4	1
phosphamidon, other related	0.05	1
phosphine	48,882.5	1
phosphoric acid	161,745.13	65,023
phosphoric acid, monopotassium salt	3,350.0	18
picloram	0.83	1
picoxystrobin	0.47	1
pindone	<0.01	N/A
beta-pinene polymer	803.79	164
pine oil	13.55	2
pinoxaden	944.46	266
piperalin	272.25	281
piperine	0.02	N/A
piperonyl butoxide	52,264.41	2,244
piperonyl butoxide, other related	3,721.96	1,972
polyacrylamide, polyethylene glycol mixture	17,900.05	4,750
polyacrylamide polymer	10,837.21	24,125
polyacrylic polymer	3,171.8	6,777
polyalkylene ether	0.04	N/A
polyalkene oxide modified heptamethyl trisiloxane	53,455.84	36,333
polyalkyleneoxide modified polydimethyl-siloxane	51,110.77	4,728
polybutenes	97,291.49	38,257
poly(oxy-1,2-ethanediyl), alpha-isodecyl-omega-hydroxy-phosphate, potassium salt	8,487.01	1,828
polyether modified polysiloxane	78,152.43	36,703
polyethoxylated castor oil	15,486.29	9,011

Chemical	Pounds Applied	Apps
polyethoxy polypropoxy polyethoxy ethanol - iodine complex	0.16	N/A
polyethylene glycol	159,790.37	24,009
polyethylene glycol diacetate	712.38	2,916
polyethylene glycol ditallate	4.46	62
polyethylene glycol mono(3-(tetramethyl-1-(trimethylsiloxy)disiloxanyl)propyl)ether	65,895.86	12,876
polyethylene glycol oleate	716.23	223
polyethylene glycol stearate	60,460.88	27,953
polyhedral occlusion bodies (ob's) of the nuclear polyhedrosis virus of helioverpa zea (corn earworm)	22.03	259
polyoxyethylene polyol fatty acid esters	3,257.82	506
poly-i-para-menthene	11,102.15	1,276
polymerized acrylic acid	806.41	64
polymerized pinene	76,079.0	4,608
polyoxin d, zinc salt	13,107.93	7,784
poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-, mono-c11-14-isoalkyl ethers, c13-rich, phosphates	547.05	1,136
polyoxyethylene cetyl-stearyl ether	448.89	654
poly(oxyethylene) (dimethylimino) ethylene (dimethylimino) ethylene dichloride	1,522.58	2
polyoxyethylene dioleate	1,840.73	1,683
polyoxyethylene mixed fatty acid ester	1,917.81	567
polyoxyethylene polyoxypropylene	110,193.01	21,358
poly(oxyethylene) poly(oxypropylene) glycol monoallyl ether	12,189.84	7,781
polyoxyethylene sorbitol, mixed ether ester	94,008.89	3,815
polyoxyethylene sorbitan mixed fatty acid esters	22,114.4	197
polyoxyethylene sorbitan monolaurate	15,442.7	2,026
polyoxyethylene sorbitan monooleate	28,647.48	6,285
polyoxyethylene sorbitan trioleate	105,571.92	6,185
polyoxyethylene soybean oil fatty acid ester	99,927.86	7,196
polyoxyethylene tall oil fatty acid ester	556.42	235
polyoxyethylene (6) tridecyl alcohol	1.82	1
polypropylene glycol	157.13	2,636
polysaccharide polymer	33.31	679
polysiloxane	2,433.29	719
polysorbate 65	13,259.88	4,415
potash soap	154,553.59	6,787
potassium bicarbonate	468,514.05	10,720
potassium carbonate	1.89	2
potassium hydroxide	5,313.09	6,417
potassium n-methyldithiocarbamate	6,629,297.74	2,872
potassium nitrate	9,714.38	1,736

Chemical	Pounds Applied	Apps
potassium peroxymonosulfate	2,101.85	101
potassium phosphite	1,651,324.8	27,049
potassium salt of hop beta acids	9.21	N/A
potassium silicate	28,004.23	564
prallethrin	1,719.71	5
prodiamine	45,861.59	2,802
prodiamine, other related	1.3	3
prohexadione-calcium	1,545.27	297
prohydrojasmon	<0.01	N/A
prometon	43.5	N/A
prometryn	43,210.15	4,123
propamocarb	400.34	N/A
propamocarb hydrochloride	63,242.31	5,483
propanil	1,855,890.45	4,883
propargite	227,357.1	2,081
propetamphos	0.93	N/A
propiconazole	199,462.18	25,631
propionic acid	207,886.25	37,241
propoxur	14.93	N/A
propylene glycol	122,111.48	40,675
propylene glycol, methyl ether	26.03	9
propylene glycol n-propyl ether	0.34	N/A
propylene oxide	229,979.18	N/A
propyzamide	115,296.84	11,150
prothioconazole	36.6	4
pseudomonas fluorescens, strain a506	66.18	14
putrescent whole egg solids	2.3	N/A
pymetrozine	5,843.35	4,670
pyraclostrobin	132,890.0	37,349
pyraflufen-ethyl	2,774.36	17,368
pyrazon	1.3	N/A
pyrethrins	12,246.56	18,671
pyridaben	2,877.69	664
pyridalyl	542.31	1,022
pyrfluquinazon	101.24	652
pyrimethanil	102,656.37	7,902
pyriofenone	7,825.86	2,768
pyriproxyfen	19,271.08	8,757
pyrithiobac-sodium	139.64	103
pyroxsulam	2,357.05	2,804
qst 713 strain of dried bacillus subtilis	25,388.05	17,479
quillaja	1,635.54	4,055
quinclorac	455.47	4

Chemical	Pounds Applied	Apps
quinclorac, dimethylamine salt	2,158.34	4
quinoxifen	45,485.56	20,177
red cabbage color	282.99	475
resmethrin	2.56	N/A
resmethrin, other related	0.08	N/A
reynoutria sachalinensis	23,074.76	10,166
rimsulfuron	34,416.04	25,699
ronnel	0.12	1
rotenone	0.61	31
rotenone, other related	0.51	31
sabadilla alkaloids	188.34	274
saflufenacil	34,745.92	20,435
salicylic and benzoic esters of propylene glycol	27.19	N/A
saponin	780.2	187
sethoxydim	55,595.9	4,390
siduron	989.67	9
silica aerogel	8,399.19	N/A
silicone	320.07	305
silicone defoamer	227.89	11,122
silica filled polydimethylsiloxane	100.14	2,227
silver, ionic	<0.01	N/A
silver nitrate	0.13	17
simazine	100,447.91	2,700
soap	1.01	1
sodium arsenate	0.02	N/A
sodium bisulfate	12.89	5
sodium bromide	183,118.82	1
sodium bromosulfamate, sodium chlorosulfamate, potassium bromosulfamate, potassium chlorosulfamate	9,548.82	N/A
sodium carbonate	17.44	4
sodium carbonate peroxyhydrate	276,479.28	169
sodium chlorate	554,446.22	662
sodium chloride	146.96	97
sodium chlorite	102,358.11	5
sodium cyanide	2,617.82	N/A
sodium decyl sulfate	2,245.93	N/A
sodium di (1-alkenyl) phenoxy benzene disulfonate	<0.01	N/A
sodium dichloro-s-triazinetrione	63,341.83	N/A
sodium dichloro-s-triazinetrione dihydrate	25,051.21	N/A
sodium diisooctylsulfosuccinate	858.33	2,643
sodium dimethyl dithio carbamate	4,796.98	N/A
sodium dioctylsulfosuccinate	4.91	20
sodium fluoride	0.32	N/A

Chemical	Pounds Applied	Apps
sodium fluosilicate	0.08	N/A
sodium hydroxide	19,226.74	10,421
sodium hypochlorite	1,525,624.05	99
sodium lauroampho acetate	1,695.04	N/A
sodium lauryl sulfate	1,147.98	N/A
sodium metabisulfite	9,166.68	N/A
sodium metaborate	1,073.97	N/A
sodium metaborate tetrahydrate	339.5	6
sodium metasilicate	7.36	3
sodium mono (1-alkenyl) phenoxy benzene disulfonate	0.01	N/A
sodium nitrate	5,058.58	7
sodium alpha-olefin (c14-c16) sulfonate	25,245.05	N/A
sodium persulfate	0.28	N/A
sodium polyacrylate	6,320.34	12,654
sodium tetraborate (pentahydrate)	272.11	N/A
sodium tripolyphosphate	317.6	458
sodium xylene sulfonate	5,361.16	11,597
sorbitan fatty acid esters	4,796.31	164
sorbitan monooleate	42.76	46
sorbitan trioleate	13,782.19	4,432
sorbitol	5,221.85	1,891
soybean fatty acids, dimethylamine salt	3.09	3
soybean oil	70,157.59	2,993
spinetoram	76,395.31	58,912
spinosad	36,159.8	32,732
spirodiclofen	47,910.47	2,794
spiromesifen	37,986.96	4,478
spirotriamat	107,948.11	55,949
starch	1.48	653
streptomyces griseoviridis strain k61	0.64	10
streptomyces lydicus wyec 108	3.49	2,182
streptomycin	0.56	2
streptomycin sulfate	9,881.87	2,090
strychnine	1,091.16	2,085
styrene butadiene copolymer	19,586.53	11,716
sugar	774.84	5
sulfaquinoxaline	0.26	1
sulfentrazone	2,534.54	54
sulfluramid	0.02	N/A
sulfometuron-methyl	14,755.16	35
sulfosulfuron	41.94	5
sulfoxaflor	15,363.79	15,152
sulfur	49,038,554.0	170,396

Chemical	Pounds Applied	Apps
sulfur dioxide	283,376.57	23
sulfuric acid	5,042.2	4,658
sulfuryl fluoride	3,019,149.34	50
tall oil	45,636.68	20,238
tall oil fatty acids	186,469.11	47,491
tallow bis(2-hydroxyethyl)amine	2.8	16
tartrazine	102.63	25
tcmtb	1,934.22	N/A
tebuconazole	116,656.96	22,563
tebufenozide	2,699.81	226
tebuthiuron	7,750.29	1
tembotrione	4,674.08	1,166
temephos	1.55	N/A
1080	1.2	14
terbuthylazine	1,149.02	N/A
terbutryn	0.97	N/A
terrazole	108.22	100
tetrachloroethylene	50.77	N/A
tetrachlorvinphos	63.02	N/A
tetraconazole	7,174.28	6,651
z,e-9,12-tetradecadien-1-yl acetate	159.01	35
e-11-tetradecen-1-yl acetate	7.79	36
z-11-tetradecen-1-yl acetate	0.08	33
tetradecyl dimethyl betaine	0.15	2
tetrakis (hydroxymethyl) phosphonium sulfate	5,313.63	N/A
tetramethrin	9.93	1
alpha-[para-(1,1,3,3-tetramethylbutyl)phenyl]-omega-hydroxypoly(oxyethylene)	8,312.37	9,715
alpha-[para-(1,1,3,3,-tetramethylbutyl)phenyl]-omega-hydroxypoly(oxyethylene) phosphate ester	0.5	4
tetrapotassium pyrophosphate	864.97	9,574
thiabendazole	32,300.34	466
thiabendazole, hypophosphite salt	2.89	N/A
thiamethoxam	52,166.58	27,845
thidiazuron	13,678.02	3,740
thiencarbazone-methyl	21.77	1
thifensulfuron-methyl	0.48	N/A
thiobencarb	654,018.35	2,341
thiophanate	306.91	14
thiophanate-methyl	203,084.77	12,260
thiram	129,590.42	1,417
thyme	10.79	N/A
thyme oil	6.82	N/A

Chemical	Pounds Applied	Apps
thymol	161.98	24
tolfenpyrad	256.19	438
topramezone	20.91	15
toxaphene	0.95	N/A
tralkoxydim	0.44	1
tralomethrin	0.77	N/A
triadimefon	1,178.69	477
triallate	1,421.73	19
tribenuron-methyl	2,374.21	3,446
s,s,s-tributyl phosphorotrithioate	8,104.42	141
tributyl tetradecyl phosphonium chloride	36.0	N/A
tributyltin oxide	0.01	1
trichlorfon	7.2	N/A
trichloro ethylene	1.96	N/A
trichlorofluoromethane	65.43	N/A
trichloro-s-triazinetrione	25,064.96	N/A
2,3,5-trichloro-4-(propylsulfonyl) pyridine	0.48	N/A
2,3,5-trichloro-4-(propylsulfonyl)pyridine, other related	0.05	N/A
trichoderma harzianum rifai strain krl-ag2	94.72	1,771
trichoderma icc 012 asperellum	32.4	29
trichoderma icc 080 gamsii	32.4	29
trichoderma virens strain g-41	11.02	770
triclopyr, butoxyethyl ester	76,034.43	533
triclopyr choline	7,497.71	43
triclopyr, triethylamine salt	513,894.88	4,652
(e)-4-tridecen-1-yl-acetate	0.14	2
(z)-4-tridecen-1-yl-acetate	3.35	2
alpha-tridecyl-omega-hydroxypoly(oxyethanol) phosphate	45,514.85	13,522
triethanolamine	10,111.22	14,645
triethanolamine oleate	2,720.62	2,316
triethylene glycol	1.99	3
trifloxystrobin	99,375.97	25,627
trifloxysulfuron-sodium	142.28	25
triflumizole	28,096.82	4,242
trifluralin	320,049.75	6,904
triflusulfuron-methyl	148.38	116
triforine	0.09	N/A
3-(trimethoxysilyl) propyldimethyloctadecyl ammonium chloride	0.41	1
trimethylamine	0.08	N/A
alpha-2,4,6-trimethyl-4-nonyloxy-omega-hydroxypoly(oxyethylene)	0.36	2

Chemical	Pounds Applied	Apps
alpha-2,6,8-trimethyl-4-nonyloxy-omega-hydroxypoly(oxyethylene)	69,026.93	14,862
trinexapac-ethyl	8,204.57	127
triptolide	0.01	N/A
trisodium phosphate	327.35	220
triticonazole	525.02	132
ulocladium oudemansii (u3 strain)	1,431.16	172
alpha-undecyl-omega-hydroxypoly(oxyethylene)	524,542.73	78,608
uniconzole-p	1.95	964
urea	32,933.85	2,138
urea dihydrogen sulfate	399,044.6	11,281
vanillin	0.07	2
vegetable oil	668,393.31	4,520
(s)-verbenone	26.01	N/A
vinclozolin	11.7	1
4-vinylcyclohexenediepoide	0.91	N/A
vinyl ester polymer	21.61	33
vinyl polymer	1,859.03	4,995
warfarin	2.67	225
warfarin, sodium salt	0.08	1
xanthan gum	9.45	933
xylene	780.92	57
xylene range aromatic solvent	38.41	N/A
2,4-xylenol	0.28	3
yeast	0.06	N/A
yucca schidigera	6,750.06	1,027
zinc chloride	0.55	N/A
zinc naphthenate	4.13	1
zinc phosphide	2,276.98	352
zinc sulfate	4,882.13	1,356
zineb	4.65	4
ziram	585,681.2	5,111
zoxamide	1,603.57	158
unknown	N/A	1