

Pesticide Contamination Prevention Program Report

A.R.S. § 49-303.C

The Arizona Pesticide Contamination Prevention Program was established by the Environmental Quality Act of 1986. The major objective of the program is to prevent or mitigate groundwater pollution by agricultural pesticides. The program is composed of the following four major components:

- 1) **Product chemistry and environmental fate review** – Prior to registering an agricultural-use pesticide with the Arizona Department of Agriculture (ADA), applicants must submit product chemistry and environmental fate data of the associated active ingredient to ADEQ for review and approval. The information is used to determine the potential of the active ingredient to leach to groundwater, and generate the Arizona Groundwater Protection List (GWPL).
- 2) **Groundwater Protection List** – The GWPL is a list of agricultural pesticides and their active ingredients, in use in Arizona, that have the potential to pollute groundwater, based on product chemistry, environmental fate data and groundwater monitoring of the active ingredient(s).
- 3) **Environmental monitoring** – ADEQ, in cooperation with the ADA, monitors groundwater and soils in agricultural areas throughout the state for the presence of agricultural-use pesticide active ingredients on the GWPL.
- 4) **Compilation of data** – ADEQ collects and reports product use information for agricultural pesticides on the GWPL, applied to the soil. Results of pesticide monitoring from groundwater wells are evaluated and stored in the Water Quality Division's groundwater database.

This report which covers calendar year 2012 is in fulfillment of a requirement pursuant to Arizona Revised Statutes (A.R.S.) § 49-303.C that requires ADEQ to report, annually, the following information to the Legislature:

- 1) A list of agricultural-use pesticide active ingredients for which there is a groundwater protection data gap (A.R.S. § 49-303.C.1).
- 2) A list of each agricultural-use pesticide containing an active ingredient that fails the Specific Numeric Values (SNVs) presented in Table 1 (A.R.S. § 49-303.C.2), or determined by an alternative procedure to have the potential to pollute groundwater (A.R.S. § 49-303.C.3).
- 3) The use information on agricultural pesticides on the GWPL that have been applied to the soil in the state during the most recent year, and the county where the pesticide was applied and for what purpose (A.R.S. § 49-303.C.4).

Groundwater Protection Data Gap (A.R.S. § 49-303.C.1)

Prior to registering an agricultural-use pesticide with the ADA, applicants are required to submit the product chemistry and environmental fate data of the associated active ingredient(s) to ADEQ for review and approval (A.R.S. § 49-302). If an agricultural-use pesticide is registered without ADEQ's review and approval of its active ingredient(s), a groundwater protection data gap violation will occur and ADEQ will notify ADA to cancel the registration (A.R.S. § 49-306).

Between 1987 when the program was first implemented and December 31, 2012, a total of 352 agricultural-use pesticide active ingredients or active ingredient groups have completed the product chemistry and environmental fate review and approval process. Registrants have the option of registering with ADA for one or two years at a time. There is no groundwater protection data gap for any of the active ingredients associated with the agricultural-use pesticides registered in Arizona in 2012. This is attributed to the procedures established by ADEQ and the ADA to prevent such violations and the cooperation received from pesticide manufacturers.

Specific Numeric Values (SNVs)

After ADEQ reviews the product chemistry and environmental fate submittal, the data are compared with SNVs, which are criteria adopted by rule. The SNVs, found at A.A.C. R18-6-103.1, are based on the U.S. Environmental Protection Agency's (EPA) criteria for identifying pesticide active ingredients that have the potential to leach to groundwater based on the factors of mobility and persistence in the subsurface environment. The SNVs are presented in Table 1. Active ingredients that exceed any of the SNVs in both mobility and persistence factors must be placed on the GWPL (Arizona Administrative Code (A.A.C.) R18-6-103(1)).

<i>Table 1: Specific Numeric Values</i>	
Property	SNVs
<i>Mobility Factors</i>	
Water Solubility	30 parts per million
Soil Adsorption Coefficient	< 5 milliliters per gram
<i>Persistence Factors</i>	
Hydrolysis (half-life)	25 weeks
Aerobic Soil Metabolism (half-life)	3 weeks
Anaerobic Soil Metabolism (half-life)	3 weeks
Field Dissipation (half-life)	3 weeks

As an alternative to the SNVs, evaluation procedures have been adopted (A.A.C. R18-6-103.2) that allow for consideration of new scientific approaches in determining the pollution potential of agricultural-use pesticides. The guidelines are published on the ADEQ Web site.

In 2012, nine new pesticide active ingredient applications were received by ADEQ, and all were approved for registration with the Arizona Department of Agriculture. Three of those were placed on the GWPL and one application was for an active ingredient that was already on the GWPL, from a different company. The list of new active ingredients approved by ADEQ in 2012 is shown in Table 2.

Table 2: New Active Ingredients Approved in Arizona 2012

	Chemical Name	General Use	Product Brand Names	Registrant
1	Fluopyram*	Herbicide for control of annual grass weeds and some broadleaf weeds in field and vegetable crops	Ro-Neet 6-E Herbicide Helm Ro-Neet Herbicide	Bayer
2	Pinoxaden	Fungicide control agent for foliar application or seed treatment in vegetable crops.	Dividend Extreme Fungicide Inspire Super Fungicide Quadris Top Fungicide	Syngenta
3	Penthiopyrad	Herbicide for control of perennial broad-leaf weeds and sedges in a variety of crops and turf.	Celero Herbicide League Herbicide	DuPont/Nitsui
4	Fluxapyroxad	Fungicide for control of powdery mildew in grape vines and vegetables	Vivando Fungicide	BASF
5	Amicarbazone*	Fungicide for control of diseases in crops, such as wheat, lentils and peanuts.	Proceed MD Fungicide Prosario SC Fungicide Stratego YLD Fungicide	Arysta Lifesciences
6	Fluazinam	Insecticide for use on vegetables and fruit crops	Hachi Hachi Insecticide Torac Insecticide	ISK Biosciences
7	Methomyl**	Is a contact and systemic Insecticide	Rotam Nudrin LV Rotam Nudrin SP	Rotam North America, Inc.
8	Penflufen*	Fungicide for protection against soilborne, seedborne and post-emergence diseases	EverGol Prime	Bayer
9	Cyflufenamid	Fungicide for control of powdery mildew diseases	Miltrex 10 SC Fungicide	Nisso America, Inc.

*Active ingredient placed on the 2013 GWPL

** Active ingredient previously placed on the GWPL, registered to an additional company.

Agricultural Pesticides on the Groundwater Protection List (A.R.S. § 49-303.C.3)

Agricultural-use pesticide active ingredients that fail at least one SNV from both the mobility and persistence factors, or based on environmental fate analysis are considered as having the potential to pollute groundwater are placed on the GWPL. Each year, a new draft GWPL is developed and published for public comment in the *Arizona Administrative Register*. The annual notice consists of additions and deletions from the previous list, based on new registrations and petitions to de-list active ingredients based on established criteria.

The final GWPL is published by July 1 of each year and becomes effective on December 1 of the publication year. The 2013 GWPL containing 85 active ingredients was published in the *Arizona Administrative Register* on March 22, 2013 and will take effect December 1, 2013 (see Table 3). The agricultural pesticides containing these active ingredients are listed in Table 4.

The GWPL enables ADEQ to focus its statewide groundwater and soil monitoring activities on the active ingredients requiring monitoring and testing. If any of these active ingredients are detected in the groundwater or soil as a result of agricultural activities, ADEQ may, depending on the level at which they were detected, require registrants to modify their application rates and use patterns. Ultimately, ADEQ may recommend cancellation of the product registration to prevent further pollution. At the user level, Best Management Practices (BMPs) developed by the applicator should always be implemented when these agricultural-use pesticides on the GWPL are applied to the soil, to reduce or prevent the pollution of groundwater by the associated active ingredients (A.A.C. R18-6-303.A).

Table 3: 2013 Groundwater Protection List

	<i>CAS Number</i>	<i>Chemical Name</i>
1	94-75-7	2,4-D Acid
2	1929-73-3	2,4-D Butoxyethyl Ester
3	5742-19-8	2,4-D Diethanolamine Salt
4	20940-37-8	2,4-D Diethylamine Salt
5	1928-43-4	2,4-D 2-Ethylhexyl Ester
6	5742-17-6	2,4-D Isopropylamine Salt
7	94-11-1	2,4-D Isopropyl Ester
8	32341-80-3	2,4-D Trisopropanolamine Salt
9	135158-54-2	Acibenzolar-S-Methyl
10	129909-90-6	*Amicarbazone*

Table 3: 2013 Groundwater Protection List

	<i>CAS Number</i>	<i>Chemical Name</i>
11	858956-08-8	Aminocyclopyrachlor
12	1912-24-9	Atrazine
13	131860-33-8	Azoxystrobin
14	314-40-9	Bromacil
15	53404-19-6	Bromacil, Lithium Salt
16	63-25-2	Carbaryl
17	128639-02-1	Carfentrazone-Ethyl
18	50008-15-1	Chlorantraniliprole
19	122453-73-0	Chlorfenapyr
20	1702-17-6	Clopyralid
21	420-04-2	Cyanamide
22	113136-77-9	Cyclanilide
23	52918-63-5	Deltamethrin
24	13684-56-5	Desmedipham
25	1918-00-9	Dicamba
26	25059-78-3	Dicamba, DEA Salt
27	104040-79-1	Dicamba, DGA Salt
28	2300-66-5	Dicamba, DMA Salt
29	10007-85-9	Dicamba, Potassium Salt
30	1982-69-0	Dicamba, Sodium Salt
31	110488-70-5	Dimethomorph
32	165252-70-0	Dinotefuran
33	330-54-1	Diuron
34	144-21-8	DSMA (Disodium Methanearsonate)
35	137512-74-4	Emamectin Benzoate
36	115-29-7	Endosulfan
37	104040-78-0	Flazasulfuron

Table 3: 2013 Groundwater Protection List

	<i>CAS Number</i>	<i>Chemical Name</i>
38	158067-0	Flonicamid
39	335104-84-2	Flubendiamide
40	142459-58-3	Flufenacet (Thiafluamide)
41	658066-35-4	*Fluopyram*
42	193740-76-0	Fluoxastrobin
43	66332-96-5	Flutolanil
44	77182-82-2	Glufosinate-Ammonium
45	112226-61-6	Halofenozide
46	100784-20-1	Halosulfuron-Methyl
47	114311-32-9	Imazamox
48	104098-48-8	Imazapic
49	81335-77-5	Imazethapyr
50	101917-66-2	Imazethapyr, Ammonium Salt
51	122548-33-8	Imazosulfuron
52	138261-41-3	Imidacloprid
53	950782-96-2	Indaziflam
54	330-55-2	Linuron
55	128-58-3	MAA (Methanearsonic Acid)
56	374726-62-2	Mandipropamid
57	12427-38-2	Maneb
58	16484-77-8	Mecoprop-P (MCP-P)
59	70630-17-0	Mefenoxam
60	208465-21-8	Mesosulfuron-Methyl
61	16752-77-5	Methomyl**
62	161050-58-4	Methoxyfenozide
63	21087-64-9	Metribuzin
64	2163-80-6	Monosodium Methanearsonate (MSMA)

Table 3: 2013 Groundwater Protection List

	<i>CAS Number</i>	<i>Chemical Name</i>
65	111991-09-04	Nicosulfuron
66	23135-22-0	Oxamyl
67	494793-67-8	*Penflufen*
68	1610-78-0	Prometon
69	7287-19-6	Prometryn
70	18311274-15-7	Propoxycarbazone-sodium
71	94125-34-5	Prosulfuron
72	123312-89-0	Pymetrozine
73	123343-16-8	Pyrithiobac Sodium
74	84087-01-4	Quinclorac
75	372137-35-4	Saflufenacil
76	81591-81-3	Sulfosate
77	107534-96-3	Tebuconazole
78	112410-23-8	Tebufenozide
79	153719-23-4	Thiamethoxam
80	317815-83-1	Thiencarbazone-methyl
81	210631-68-8	Topramezone
82	117718-60-2	Thiazopyr
83	55335-06-3	Triclopyr
84	199119-58-9	Trifloxysulfuron-Sodium
85	95266-40-3	Trinexapac-Ethyl

* New addition to the GWPL

** Active ingredient previously placed on the GWPL, registered to an additional company.

Bold: Ingredients that have been detected historically in Arizona groundwater.

(Most of the detections have dissipated except for those in Table 5)

Table 4: Agricultural Pesticides on the 2012 Groundwater Protection List (GWPL)

<i>Brand Name</i>	<i>EPA1</i>	<i>EPA2</i>	<i>EPA3</i>	<i>CAS NUMBER</i>	<i>ACTIVE INGREDIENT</i>
2,4-D L.V. 4 ESTER	228	139	0	1928-43-4	2,4-D 2-Ethylhexyl Ester
2,4-D L.V. 6 ESTER	228	95	0	1928-43-4	2,4-D 2-Ethylhexyl Ester
2,4-D LV6	1381	101	0	1928-43-4	2,4-D 2-Ethylhexyl Ester
4-SPEED XT SELECTIVE HERBICIDE	228	590	0	1928-43-4	2,4-D 2-Ethylhexyl Ester
AGRISOLUTIONS 2,4-D LV4	1381	102	0	1928-43-4	2,4-D 2-Ethylhexyl Ester
AGRISOLUTIONS SWB 2,4-D LV4	42750	22	9779	1928-43-4	2,4-D 2-Ethylhexyl Ester
BARRAGE HF	5905	529	0	1928-43-4	2,4-D 2-Ethylhexyl Ester
FORMULA 190 LIQUID WEED KILLER	10807	205	70799	1928-43-4	2,4-D 2-Ethylhexyl Ester
GODONS PASTURE PRO BRUSH KILLER FOR HARD- TO-KILL BRUSH	2217	952	0	1928-43-4	2,4-D 2-Ethylhexyl Ester
GORDONS LV 400 2,4-D WEED KILLER	2217	77	0	1928-43-4	2,4-D 2-Ethylhexyl Ester
LOW VOL 4 ESTER WEED KILLER	34704	124	0	1928-43-4	2,4-D 2-Ethylhexyl Ester
LOW VOL 6 DETER WEED KILLER	34704	125	0	1928-43-4	2,4-D 2-Ethylhexyl Ester
SALVO LOW VOLATILE WEED KILLER	34704	609	0	1928-43-4	2,4-D 2-Ethylhexyl Ester
SALVO POSTEMERGENCE BROADLEAF HERBICIDE	34704	609	0	1928-43-4	2,4-D 2-Ethylhexyl Ester
TENKOZ LO-VOL 4 2,4-D LOW VOLATILE HERBICIDE	228	139	55467	1928-43-4	2,4-D 2-Ethylhexyl Ester
TENKOZ LO-VOL 4 SOLVENTLESS HERBICIDE	71368	14	55467	1928-43-4	2,4-D 2-Ethylhexyl Ester
TENKOZ LO-VOL 6 2,4-D LOW VOLATILE HERBICIDE	71368	11	55467	1928-43-4	2,4-D 2-Ethylhexyl Ester
T-ZONE BROADLEAF HERBICIDE FOR TOUGH WEEDS	2217	920	0	1928-43-4	2,4-D 2-Ethylhexyl Ester
WEEDONE LV4 EC BROAD LEAF HERBICIDE	228	139	71368	1928-43-4	2,4-D 2-Ethylhexyl Ester
WEEDONE LV4 SOLVENTLESS BROADLEAF HERBICIDE	71368	14	0	1928-43-4	2,4-D 2-Ethylhexyl Ester
WEEDONE LV6 EC BROADLEAF HERBICIDE	71368	11	0	1928-43-4	2,4-D 2-Ethylhexyl Ester
WHITOUT 2,4-D	34704	1032	0	1928-43-4	2,4-D 2-Ethylhexyl Ester
AGRISOLUTIONS PHENOXY 088 BROADLEAF HERBICIDE	42750	36	9779	94-75-7	2,4-D Acid
ALLIGARE PICLORAM + 2,4-D	81927	15	0	94-75-7	2,4-D Acid

Table 4: Agricultural Pesticides on the 2012 Groundwater Protection List (GWPL)

<i>Brand Name</i>	<i>EPA1</i>	<i>EPA2</i>	<i>EPA3</i>	<i>CAS NUMBER</i>	<i>ACTIVE INGREDIENT</i>
RTU					
CURTAIL HERBICIDE	62719	48	0	94-75-7	2,4-D Acid
HARD BALL	5905	549	0	94-75-7	2,4-D Acid
HELENA 2010	5905	542	0	94-75-7	2,4-D Acid
RECOIL BROAD SPECTRUM HERBICIDE	71368	35	0	94-75-7	2,4-D Acid
UNISON	5905	542	0	94-75-7	2,4-D Acid
WEEDONE 638 BROADLEAF HERBICIDE	71368	3	0	94-75-7	2,4-D Acid
AGRISOLUTIONS PHENOXY 088 BROADLEAF HERBICIDE	42750	36	9779	1929-73-3	2,4-D Butoxyethyl Ester
TURFLON D	62719	67	0	1929-73-3	2,4-D Butoxyethyl Ester
HIVOL-44	5481	509	0	94-11-1	2,4-D Isopropyl Ester
LEFFINGWELL-HIVOL-44 PLANT GROWTH REGULATOR	64864	31	0	94-11-1	2,4-D Isopropyl Ester
CURTAIL HERBICIDE	62719	48	0	32341-80-3	2,4-D Trisopropanolamine Salt
TRUPOWER 3 SELECTIVE HERBICIDE	228	551	0	32341-80-3	2,4-D Trisopropanolamine Salt
ACTIGARD 50 WG PLANT ACTIVATOR	100	922	0	135158-54-2	Acibenzolar-S-Methyl
BLOCKADE 50WG PLANT ACTIVATOR	100	922	0	135158-54-2	Acibenzolar-S-Methyl
AATREX 4L HERBICIDE	100	497	0	1912-24-9	Atrazine
AATREX 4L HERBICIDE	100	497	0	1912-24-9	Atrazine
AATREX NINE-O HERBICIDE	100	585	0	1912-24-9	Atrazine
AATREX NINE-O HERBICIDE	100	585	0	1912-24-9	Atrazine
AGRISOLUTIONS ATRAZINE 4L	1381	158	0	1912-24-9	Atrazine
AGRISOLUTIONS ATRAZINE 90DF	9779	253	0	1912-24-9	Atrazine
AGRISOULTIONS ATRAZINE 90DF	9779	253	0	1912-24-9	Atrazine
ATRAZINE 4L HERBICIDE	34704	69	0	1912-24-9	Atrazine
ATRAZINE 4L HERBICIDE	100	497	72693	1912-24-9	Atrazine
ATRAZINE 4L HERBICIDE	66222	36	0	1912-24-9	Atrazine
ATRAZINE 90 WDG HERBICIDE	34704	622	0	1912-24-9	Atrazine
ATRAZINE 90DF HERBICIDE	19713	76	0	1912-24-9	Atrazine
ATRIZINE 90 WDG HERBICIDE	34704	622	0	1912-24-9	Atrazine
BROCLEAN	51036	256	34704	1912-24-9	Atrazine
BUCTRIL BRAND + ATRAZINE HERBICIDE	264	477	0	1912-24-9	Atrazine
CALLISTO® XTRA HERBICIDE	100	1359	0	1912-24-9	Atrazine

Table 4: Agricultural Pesticides on the 2012 Groundwater Protection List (GWPL)

Brand Name	EPA1	EPA2	EPA3	CAS NUMBER	ACTIVE INGREDIENT
DREXEL ATRA - 5 HERBICIDE	19713	80	0	1912-24-9	Atrazine
DREXEL ATRAZINE 4L HERBICIDE	19713	11	0	1912-24-9	Atrazine
DREXEL ATRAZINE 90DF HERBICIDE	19713	76	0	1912-24-9	Atrazine
DUPONT CINCH ATZ LITE HERBICIDE	352	623	0	1912-24-9	Atrazine
LEXAR EZ HERBICIDE	100	1414	0	1912-24-9	Atrazine
LEXAR HERBICIDE	100	1201	0	1912-24-9	Atrazine
LUMAX EZ HERBICIDE	100	1442	0	1912-24-9	Atrazine
LUMAX SELECTIVE HERBICIDE	100	1152	0	1912-24-9	Atrazine
MANA ATRAZINE 90DF HERBICIDE	66222	229	0	1912-24-9	Atrazine
MANA ATRAZINE 90DF HERBICIDE	66222	229	0	1912-24-9	Atrazine
SLIDER ATZ	34704	1041	0	1912-24-9	Atrazine
SLIDER ATZ LITE	34704	1042	0	1912-24-9	Atrazine
SYN-A17227A HERBICIDE	100	1356	0	1912-24-9	Atrazine
ABOUND FLOWABLE FUNGICIDE	100	1098	0	131860-33-8	Azoxystrobin
AZOXYSTROBIN DRY TECHNICAL MANUFACTURING USE CONCENTRATE FUNGICIDE	100	1120	0	131860-33-8	Azoxystrobin
BAYER CROPSCIENCE PROTÉGÉ-FL SEED APPLIED FUNGICIDE	264	982	0	131860-33-8	Azoxystrobin
BAYER CROPSCIENCE SOYGARD L WITH PROTÉGÉ	264	991	0	131860-33-8	Azoxystrobin
DYNASTY	100	1159	0	131860-33-8	Azoxystrobin
DYNASTY CST FUNGICIDE	100	1177	0	131860-33-8	Azoxystrobin
HEADWAY FUNGICIDE	100	1216	0	131860-33-8	Azoxystrobin
HERITAGE FUNGICIDE	100	1093	0	131860-33-8	Azoxystrobin
HERITAGE G FUNGICIDE	100	1323	0	131860-33-8	Azoxystrobin
HERITAGE TL	100	1191	0	131860-33-8	Azoxystrobin
HIGHWAY	100	1216	0	131860-33-8	Azoxystrobin
ORTHO DISEASE CONTROL PRO	100	1191	0	131860-33-8	Azoxystrobin
QUADRIS FLOWABLE FUNGICIDE	100	1098	0	131860-33-8	Azoxystrobin
QUADRIS OPTI FUNGICIDE	100	1171	0	131860-33-8	Azoxystrobin
QUADRIS S	100	1222	0	131860-33-8	Azoxystrobin
QUILT FUNGICIDE	100	1178	0	131860-33-8	Azoxystrobin
QUILT XCEL FUNGICIDE	100	1324	0	131860-33-8	Azoxystrobin
RENOWN FUNGICIDE	100	1315	0	131860-33-8	Azoxystrobin

Table 4: Agricultural Pesticides on the 2012 Groundwater Protection List (GWPL)

Brand Name	EPA1	EPA2	EPA3	CAS NUMBER	ACTIVE INGREDIENT
UNIFORM FUNGICIDE	100	1187	0	131860-33-8	Azoxystrobin
BROMACIL 80 WP HERBICIDE	70506	83	0	314-40-9	Bromacil
BROMACIL/DIURON 40+40 DF HERBICIDE	70506	84	0	314-40-9	Bromacil
DUPONT HYVAR X HERBICIDE	352	287	0	314-40-9	Bromacil
WILLOWOOD BROMACIL 80DF	87290	27	0	314-40-9	Bromacil
WILLOWOOD DIURON / BROMACIL 80DF	87290	31	0	314-40-9	Bromacil
10% SEVIN GRANULES	34704	289	0	63-25-2	Carbaryl
2% SEVIN BAIT	2935	556	0	63-25-2	Carbaryl
ALLPRO 10% CARBARYL DUST	769	229	0	63-25-2	Carbaryl
ALLPRO CARBARYL 4L	45735	25	769	63-25-2	Carbaryl
CARBARYL 4L INSECTICIDE	34704	447	0	63-25-2	Carbaryl
CARBARYL BAIT	34704	483	0	63-25-2	Carbaryl
CARBARYL CUTWORM BAIT	34704	1021	0	63-25-2	Carbaryl
DREXEL CARBARYL 4L	19713	49	0	63-25-2	Carbaryl
FIRST CHOICE CARBARYL CUTWORM BAIT	34704	1021	0	63-25-2	Carbaryl
LESCO SEVIN BRAND SL (082007)	432	1227	10404	63-25-2	Carbaryl
LESCO SEVIN BRAND SL CARBARYL INSECTICIDE	432	1227	10404	63-25-2	Carbaryl
PROKOZ SEVIN SL	432	1227	72112	63-25-2	Carbaryl
SEVIN 4F	61842	38	0	63-25-2	Carbaryl
SEVIN 5 BAIT	2935	366	0	63-25-2	Carbaryl
SEVIN 5 BAIT	2935	366	0	63-25-2	Carbaryl
SEVIN 5 BAIT	2935	366	0	63-25-2	Carbaryl
SEVIN 80 SOLUPAK	264	316	0	63-25-2	Carbaryl
SEVIN 80 WSP CARBARYL INSECTICIDE	432	1226	0	63-25-2	Carbaryl
SEVIN BRAND 4F CARBARYL INSECTICIDE	264	349	0	63-25-2	Carbaryl
SEVIN BRAND 4F CARBARYL INSECTICIDE	264	349	0	63-25-2	Carbaryl
SEVIN BRAND 50W CARBARLY INSECTICIDE	264	314	0	63-25-2	Carbaryl
SEVIN BRAND 50W CARBARYL INSECTICIDE	264	314	0	63-25-2	Carbaryl
SEVIN BRAND 80S CARBARYL INSECTICIDE	264	316	0	63-25-2	Carbaryl
SEVIN BRAND 80S CARBARYL INSECTICIDE	264	316	0	63-25-2	Carbaryl
SEVIN BRAND RP4	264	335	0	63-25-2	Carbaryl

Table 4: Agricultural Pesticides on the 2012 Groundwater Protection List (GWPL)

Brand Name	EPA1	EPA2	EPA3	CAS NUMBER	ACTIVE INGREDIENT
CARBARYL INSECTICIDE					
SEVIN BRAND RP4					
CARBARYL INSECTICIDE	264	335	0	63-25-2	Carbaryl
SEVIN BRAND SL (019093)	264	335	10404	63-25-2	Carbaryl
SEVIN BRAND XLR PLUS					
CARBARYL INSECTICIDE	264	333	0	63-25-2	Carbaryl
SEVIN BRAND XLR PLUS					
CARBARYL INSECTICIDE	264	333	0	63-25-2	Carbaryl
SEVIN SL CARBARYL					
INSECTICIDE	432	1227	0	63-25-2	Carbaryl
SEVIN XLR PLUS	61842	37	0	63-25-2	Carbaryl
THE ANDERSONS					
PROFESSIONAL TURF					
PRODUCTS 8% GRANULAR					
INSECTICIDE WITH					
CARBARYL	9198	146	0	63-25-2	Carbaryl
THE ANDERSONS TURF					
PRODUCTS DUOCIDE INSECT					
CONTROL	9198	235	0	63-25-2	Carbaryl
AIM EC HERBICIDE	279	3241	0	128639-02-1	Carfentrazone-Ethyl
DISPLAY COTTON HARVEST					
AID	279	9558	0	128639-02-1	Carfentrazone-Ethyl
LESCO REDZONE PREMIUM					
HERBICIDE	2217	874	10404	128639-02-1	Carfentrazone-Ethyl
SQUAREONE HERBICIDE	279	3419	0	128639-02-1	Carfentrazone-Ethyl
BESIEGE INSECTICIDE	100	1402	0	50008-15-1	Chlorantraniliprole
DUPONT ACELEPRYN 0.067%					
INSECTICIDE PLUS LESCO					
FERTILIZER 14-0-14	352	734	10404	50008-15-1	Chlorantraniliprole
DUPONT ACELEPRYN 0.067%					
INSECTICIDE PLUS LESCO					
FERTILIZER 0-0-7	352	734	10404	50008-15-1	Chlorantraniliprole
DUPONT ACELEPRYN 0.067%					
INSECTICIDE PLUS LESCO					
FERTILIZER 24-0-8	352	734	10404	50008-15-1	Chlorantraniliprole
DUPONT ACELEPRYN					
GRANULAR INSECTICIDE	352	772	0	50008-15-1	Chlorantraniliprole
DUPONT ACELEPRYN					
INSECTICIDE	352	731	0	50008-15-1	Chlorantraniliprole
DUPONT ALTACOR INSECT					
CONTROL	352	730	0	50008-15-1	Chlorantraniliprole
DUPONT CORAGEN INSECT					
CONTROL	352	729	0	50008-15-1	Chlorantraniliprole
DURIVO	100	1318	0	50008-15-1	Chlorantraniliprole
SCOTTS FERTILIZER 0-0-7					
WITH GRUBEX PLUS	538	311	0	50008-15-1	Chlorantraniliprole

Table 4: Agricultural Pesticides on the 2012 Groundwater Protection List (GWPL)

<i>Brand Name</i>	<i>EPA1</i>	<i>EPA2</i>	<i>EPA3</i>	<i>CAS NUMBER</i>	<i>ACTIVE INGREDIENT</i>
SCOTTS FERTILIZER 14-0-5 WITH GRUBEX PLUS FERTILIZER PLUS INSECTICIDE	538	311	0	50008-15-1	Chlorantraniliprole
SCOTTS FERTILIZER 22-0-8 WITH GRUBEX PLUS	538	311	0	50008-15-1	Chlorantraniliprole
VOLIAM FLEXI INSECTICIDE	100	1319	0	50008-15-1	Chlorantraniliprole
VOLIAM XPRESS INSECTICIDE	100	1320	0	50008-15-1	Chlorantraniliprole
OLYMPIC PYLON MITICIDE	241	374	59807	122453-73-0	Chlorfenapyr
PYLON MITICIDE- INSECTICIDE	241	374	0	122453-73-0	Chlorfenapyr
PYLON TR TOTAL RELEASE INSECTICIDE	499	544	0	122453-73-0	Chlorfenapyr
BATTLESHIP PREMIUM SELECTIVE HERBICIDE	228	371	5905	1702-17-6	Clopyralid
BRAZEN HERBICIDE	228	564	0	1702-17-6	Clopyralid
LONTREL TURF AND ORNAMENTAL	62719	305	0	1702-17-6	Clopyralid
WITNESS HERBICIDE	62719	512	0	1702-17-6	Clopyralid
DORMEX	54555	2	0	420-04-2	Cyanamide
CYCLANILIDE 18% SC	264	1166	0	113136-77-9	Cyclanilide
BATTALION 0.2 EC	264	1007	66330	52918-63-5	Deltamethrin
BATTALION 1.5EC INSECTICIDE	66330	374	0	52918-63-5	Deltamethrin
DECIS 1.5 EC INSECTICIDE	264	1011	0	52918-63-5	Deltamethrin
DELTADUST INSECTICIDE	432	772	0	52918-63-5	Deltamethrin
DELTAGARD G INSECTICIDE GRANULE	432	836	0	52918-63-5	Deltamethrin
DELTAGARD GC 5 SC INSECTICIDE	432	835	0	52918-63-5	Deltamethrin
DELTAGARD GC GRANULAR INSECTICIDE	432	837	0	52918-63-5	Deltamethrin
DELTAGARD T&O 5SC INSECTICIDE	432	834	0	52918-63-5	Deltamethrin
DELTAGARD T&O GRANULAR INSECTICIDE	432	836	0	52918-63-5	Deltamethrin
ALPHANEX HERBICIDE	264	620	70506	13684-56-5	Desmedipham
PHEN-DES 8+8 HERBICIDE	264	621	70506	13684-56-5	Desmedipham
4-SPEED SELECTIVE HERBICIDE	228	589	0	1918-00-9	Dicamba
4-SPEED XT SELECTIVE HERBICIDE	228	590	0	1918-00-9	Dicamba
CELSIUS™ WG HERBICIDE	432	1507	0	1918-00-9	Dicamba
E-2 HERBICIDE	228	442	0	1918-00-9	Dicamba
ELLIPTICAL HERBICIDE	228	707	0	1918-00-9	Dicamba

Table 4: Agricultural Pesticides on the 2012 Groundwater Protection List (GWPL)

Brand Name	EPA1	EPA2	EPA3	CAS NUMBER	ACTIVE INGREDIENT
GHARDA CHEMICALS LIMITED ORACLE DICAMBA AGRICULTURAL HERBICIDE	33658	14	0	1918-00-9	Dicamba
GORDONS SpeedZone BROADLEAF HERBICIDE FOR TURF	2217	833	0	1918-00-9	Dicamba
LESCO MOMENTUM Q HERBICIDE	228	531	0	1918-00-9	Dicamba
ONETIME HERBICIDE	7969	267	0	1918-00-9	Dicamba
PREEN LAWN FALL WEED CONTROL PLUS FERTILIZER	2217	660	961	1918-00-9	Dicamba
TRUPOWER 3 SELECTIVE HERBICIDE	228	551	0	1918-00-9	Dicamba
T-ZONE BROADLEAF HERBICIDE FOR TOUGH WEEDS	2217	920	0	1918-00-9	Dicamba
WEEDMASTER HERBICIDE	71368	34	0	1918-00-9	Dicamba
AGRISOLUTIONS STERLING BLUE HERBICIDE	42750	209	1381	104040-79-1	Dicamba, DGA Salt
AGRISOLUTIONS STERLING BLUE HERBICIDE	7969	137	1381	104040-79-1	Dicamba, DGA Salt
CLARITY HERBICIDE	7969	137	0	104040-79-1	Dicamba, DGA Salt
CLASH SELECTIVE HERBICIDE	228	615	0	104040-79-1	Dicamba, DGA Salt
DETONATE HERBICIDE	7969	137	55467	104040-79-1	Dicamba, DGA Salt
STRUT HERBICIDE	34704	1043	0	104040-79-1	Dicamba, DGA Salt
VANQUISH HERBICIDE	228	397	0	104040-79-1	Dicamba, DGA Salt
VANQUISH HERBICIDE	100	884	0	104040-79-1	Dicamba, DGA Salt
ACETO 2,4-DB200 HERBICIDE	2749	516	0	2300-66-5	Dicamba, DMA Salt
AGRI STAR RANGE STAR	42750	55	0	2300-66-5	Dicamba, DMA Salt
AGRISOLUTIONS BRASH	1381	202	0	2300-66-5	Dicamba, DMA Salt
AGRISOLUTIONS STRIKE 3	14774	2	0	2300-66-5	Dicamba, DMA Salt
AGRISOLUTIONS STRIKE 3	14774	2	0	2300-66-5	Dicamba, DMA Salt
BANVEL HERBICIDE	66330	276	0	2300-66-5	Dicamba, DMA Salt
DIABLO HERBICIDE	228	379	0	2300-66-5	Dicamba, DMA Salt
DICAM	81142	5	0	2300-66-5	Dicamba, DMA Salt
DICAMBA DMA SALT	42750	40	0	2300-66-5	Dicamba, DMA Salt
GORDONS HI-DEP BROADLEAF HERBICIDE	2217	703	0	2300-66-5	Dicamba, DMA Salt
GORDONS TRIMEC 1000 LOW ODOR BROADLEAF HERBICIDE	2217	931	0	2300-66-5	Dicamba, DMA Salt
LESCO THREE WAY SELECTIVE (069372)	10404	43	0	2300-66-5	Dicamba, DMA Salt
MEC AMINE-D	34704	239	0	2300-66-5	Dicamba, DMA Salt
ORACLE DICAMBA	33658	30	0	2300-66-5	Dicamba, DMA Salt

Table 4: Agricultural Pesticides on the 2012 Groundwater Protection List (GWPL)

<i>Brand Name</i>	<i>EPA1</i>	<i>EPA2</i>	<i>EPA3</i>	<i>CAS NUMBER</i>	<i>ACTIVE INGREDIENT</i>
AGRICULTURAL HERBICIDE					
Q4 TURF HERBICIDE FOR GRASSY & BROADLEAF WEEDS	2217	886	0	2300-66-5	Dicamba, DMA Salt
QUALI-PRO 3-D HERBICIDE	66222	225	0	2300-66-5	Dicamba, DMA Salt
RIFLE HERBICIDE	34704	861	0	2300-66-5	Dicamba, DMA Salt
RIFLE-D HERBICIDE	34704	869	0	2300-66-5	Dicamba, DMA Salt
STERLING	51036	289	1381	2300-66-5	Dicamba, DMA Salt
STERLING	1381	190	0	2300-66-5	Dicamba, DMA Salt
DISTINCT HERBICIDE	7969	150	0	1982-69-0	Dicamba, Sodium Salt
DUPONT REQUIRE Q (MP) HERBICIDE	352	761	0	1982-69-0	Dicamba, Sodium Salt
OVERDRIVE HERBICIDE	7969	150	0	1982-69-0	Dicamba, Sodium Salt
STATUS HERBICIDE	7969	242	0	1982-69-0	Dicamba, Sodium Salt
FORUM FUNGICIDE	241	427	0	110488-70-5	Dimethomorph
STATURE DM FUNGICIDE	241	419	0	110488-70-5	Dimethomorph
ZAMPRO FUNGICIDE	7969	302	0	110488-70-5	Dimethomorph
DINOTEFURAN 10SL	86203	14	0	165252-70-0	Dinotefuran
SAFARI 20 SG INSECTICIDE	33657	16	59639	165252-70-0	Dinotefuran
SAFARI 20 SG INSECTICIDE	86203	11	59639	165252-70-0	Dinotefuran
SCORPION™ 35SL INSECTICIDE	10163	317	0	165252-70-0	Dinotefuran
VALENT VENOM INSECTICIDE	59639	135	0	165252-70-0	Dinotefuran
ZYLAM 20SG SYSTEMIC TURF INSECTICIDE	2217	935	0	165252-70-0	Dinotefuran
ADIOS COTTON DEFOLIANT	66330	344	0	330-54-1	Diuron
AGRISOLUTIONS DIURON 4L	9779	329	0	330-54-1	Diuron
AGRISOLUTIONS DIURON 80 DF	9779	318	0	330-54-1	Diuron
AGRISOLUTIONS DIURON TVC 80DF	9779	318	0	330-54-1	Diuron
ALLIGARE DIURON 80DF DRY FLOWABLE HERBICIDE	81927	12	0	330-54-1	Diuron
CLEANSHOT 4L LIQUID FLOWABLE HERBICIDE	66222	54	0	330-54-1	Diuron
CLEANSHOT DF HERBICIDE	66222	51	83222	330-54-1	Diuron
DETERMINE 4L LIQUID FLOWABLE HERBICIDE	66222	54	0	330-54-1	Diuron
DIREX 4L HERBICIDE	1812	257	0	330-54-1	Diuron
DIREX 4L LIQUID FLOWABLE HERBICIDE	66222	54	0	330-54-1	Diuron
DIREX 80 DF HERBICIDE	1812	362	0	330-54-1	Diuron
DIURON 4L	62719	311	0	330-54-1	Diuron
DIURON 4L HERBICIDE	34704	854	0	330-54-1	Diuron
DIURON 4L LIQUID	66222	54	0	330-54-1	Diuron

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<i>Brand Name</i>	<i>EPA1</i>	<i>EPA2</i>	<i>EPA3</i>	<i>CAS NUMBER</i>	<i>ACTIVE INGREDIENT</i>
FLOWABLE HERBICIDE					
DIURON 8- WDG WEED KILLER	34704	648	0	330-54-1	Diuron
DIURON 80 DF	9779	318	0	330-54-1	Diuron
DIURON 80 HERBICIDE	19713	274	0	330-54-1	Diuron
DIURON 80DF HERBICIDE	66222	51	0	330-54-1	Diuron
DIUWEED 4L LIQUID FLOWABLE HERBICIDE	66222	54	0	330-54-1	Diuron
DREXEL DIURON 4L	19713	36	0	330-54-1	Diuron
Dupont Direx 4l herbicide	352	678	0	330-54-1	Diuron
Dupont Karmex DF Herbicide	352	692	0	330-54-1	Diuron
Dupont Karmex XP Herbicide	352	692	0	330-54-1	Diuron
DUPONT KROVAR I DF HERBICIDE	352	505	0	330-54-1	Diuron
KARMEX DF HERBICIDE	1812	362	0	330-54-1	Diuron
KARMEX DF HERBICIDE	66222	51	0	330-54-1	Diuron
LAYBY™ PRO HERBICIDE	61842	20	0	330-54-1	Diuron
PARROT 4L LIQUID FLOWABLE HERBICIDE	66222	54	0	330-54-1	Diuron
PARROT DF HERBICIDE	66222	51	0	330-54-1	Diuron
REDI-PIK 1.5EC COTTON DEFOLIANT	264	634	66222	330-54-1	Diuron
REDI-PIK1.5EC COTTON DEFOLIANT	66222	137	0	330-54-1	Diuron
SEKOR 4L HERBICIDE	66222	54	0	330-54-1	Diuron
SUPERDI 4L HERBICIDE	66222	54	0	330-54-1	Diuron
WILLOWOOD DIURON 4SC	87290	29	0	330-54-1	Diuron
WILLOWOOD DIURON 80DF	87290	28	0	330-54-1	Diuron
DENIM INSECTICIDE	100	903	0	137512-74-4	Emamectin Benzoate
PROCLAIM INSECTICIDE	100	904	0	137512-74-4	Emamectin Benzoate
DREXEL ENDOSULFAN 3EC	19713	399	0	115-29-7	Endosulfan
THIONEX (ENDOSULFAN) 50W	279	1380	66222	115-29-7	Endosulfan
THIONEX (ENDOSULFAN) 50WSB	279	3129	66222	115-29-7	Endosulfan
THIONEX 3EC	66222	63	0	115-29-7	Endosulfan
THIONEX 50W INSECTICIDE	66222	62	0	115-29-7	Endosulfan
KATANA TURF HERBICIDE	71512	12	2217	104040-78-0	Flazasulfuron
ARIA INSECTICIDE	279	3287	0	158067-0	Flonicamid
BELEAF 50SG INSECTICIDE	71512	10	279	158067-0	Flonicamid
CARBINE 50 WG INSECTICIDE	71512	9	279	158067-0	Flonicamid
ISK BIOSCIENCE BELEAF 50SG INSECTICIDE	71512	10	0	158067-0	Flonicamid
CAPRENO HERBICIDE	264	1063	0	335104-84-2	Flubendiamide
LAUDIS	264	860	0	335104-84-2	Flubendiamide

Table 4: Agricultural Pesticides on the 2012 Groundwater Protection List (GWPL)

Brand Name	EPA1	EPA2	EPA3	CAS NUMBER	ACTIVE INGREDIENT
AXIOM DF HERBICIDE	264	766	0	142459-58-3	Flufenacet (Thiafluamide)
BAYER CROP SCIENCE DEFINE SC HERBICIDE	264	819	0	142459-58-3	Flufenacet (Thiafluamide)
AFTERSHOCK	66330	64	34704	193740-76-0	Fluoxastrobin
DISARM 480 SC FUNGICIDE	66330	64	0	193740-76-0	Fluoxastrobin
DISARM C FUNGICIDE	66330	379	0	193740-76-0	Fluoxastrobin
DISARM G FUNGICIDE	66330	380	0	193740-76-0	Fluoxastrobin
DISARM M FUNGICIDE	66330	388	0	193740-76-0	Fluoxastrobin
DISARM M GRANULAR FUNGICIDE	66330	407	0	193740-76-0	Fluoxastrobin
DISARM O FUNGICIDE	66330	64	59807	193740-76-0	Fluoxastrobin
EVITO 480 SC	66330	64	0	193740-76-0	Fluoxastrobin
CONTRAST 70 WSP	432	1223	58185	66332-96-5	Flutolanil
CONTRAST 70 WSP	45639	208	58185	66332-96-5	Flutolanil
FLUTOLANIL TECHNICAL	71711	5	0	66332-96-5	Flutolanil
MONCOAT MZ FUNGICIDE	10163	320	0	66332-96-5	Flutolanil
MONCOAT MZ POTATO SEED- PIECE TREATMENT F/ CONTROL OF SEEDLING DISEASES	71711	8	0	66332-96-5	Flutolanil
MONCUT 70-DF FUNGICIDE	10163	301	0	66332-96-5	Flutolanil
MONCUT 70-DF FUNGICIDE	71711	14	0	66332-96-5	Flutolanil
MONCUT 70-DF FUNGICIDE FOR USE ON PEANUTS, RICE AND POTATOES	71711	14	10163	66332-96-5	Flutolanil
PROSTAR 70 WDG FUNGICIDE	432	1477	0	66332-96-5	Flutolanil
FINALE HERBICIDE	432	1229	0	77182-82-2	Glufosinate-Ammonium
IGNITE	264	829	0	77182-82-2	Glufosinate-Ammonium
IGNITE 280 SL HERBICIDE	264	829	0	77182-82-2	Glufosinate-Ammonium
LIBERTY 280 SL HERBICIDE	264	829	0	77182-82-2	Glufosinate-Ammonium
LIBERTY HERBICIDE	264	660	0	77182-82-2	Glufosinate-Ammonium
RELY 200 HERBICIDE	264	660	0	77182-82-2	Glufosinate-Ammonium
RELY 280	264	829	0	77182-82-2	Glufosinate-Ammonium
REMOVE HERBICIDE	264	663	0	77182-82-2	Glufosinate-Ammonium
LESCO MACH 2 .86% PLUS FERTILIZER	62719	474	10404	112226-61-6	Halofenozide
MACH 2 0.86% PLUS FERTILIZER	69075	5	10404	112226-61-6	Halofenozide
MACH 2 1.5G	62719	473	0	112226-61-6	Halofenozide
MACH 2 2SC	62719	471	0	112226-61-6	Halofenozide
NUFARM PROSEDGE SELECTIVE HERBICIDE	228	702	0	100784-20-1	Halosulfuron-Methyl
NUFARM PROSEDGE SELECTIVE HERBICIDE 2	228	711	0	100784-20-1	Halosulfuron-Methyl
PROFINE 75 HERBICIDE	2749	528	0	100784-20-1	Halosulfuron-Methyl
SANDEA HERBICIDE	81880	18	10163	100784-20-1	Halosulfuron-Methyl

Table 4: Agricultural Pesticides on the 2012 Groundwater Protection List (GWPL)

Brand Name	EPA1	EPA2	EPA3	CAS NUMBER	ACTIVE INGREDIENT
SANDEA HERBICIDE	10163	254	0	100784-20-1	Halosulfuron-Methyl
SEDGEHAMMER + TURF HERBICIDE	81880	24	10163	100784-20-1	Halosulfuron-Methyl
SEDGEHAMMER TURF HERBICIDE	81880	1	10163	100784-20-1	Halosulfuron-Methyl
TRIBUTE TOTAL	432	1519	0	100784-20-1	Halosulfuron-Methyl
YUKON HERBICIDE WATER SOLUBLE GRANULE	81880	6	10163	100784-20-1	Halosulfuron-Methyl
BASF BEYOND HERBICIDE/CLEARFIELD PRODUCTION SYSTEM	241	379	0	114311-32-9	Imazamox
BASF RAPTOR HERBICIDE	241	379	0	114311-32-9	Imazamox
BEYOND HERBICIDE	241	441	0	114311-32-9	Imazamox
CLEARMAX HERBICIDE	7969	238	0	114311-32-9	Imazamox
OPTILL PRO POWERED BY KIXOR HERBICIDE	7969	332	0	81335-77-5	Imazethapyr
PURSUIT HERBICIDE	241	310	0	101917-66-2	Imazethapyr, Ammonium Salt
THUNDER	42750	146	0	101917-66-2	Imazethapyr, Ammonium Salt
CELERO HERBICIDE	59639	155	0	122548-33-8	Imazosulfuron
LEAGUE HERBICIDE	59639	166	0	122548-33-8	Imazosulfuron
ACCELERON IX-409 INSECTICIDE SEED TREATMENT	264	968	524	138261-41-3	Imidacloprid
ADMIRE FLEX 4	264	783	0	138261-41-3	Imidacloprid
ADMIRE PRO SYSTEMIC PROTECTANT INSECTICIDE	264	827	0	138261-41-3	Imidacloprid
AERIS SEED-APPLIED INSECTICIDE / NEMATICIDE	264	1057	0	138261-41-3	Imidacloprid
AGRI STAR MACHO 480 ST	42750	134	0	138261-41-3	Imidacloprid
AGRI STAR MACJHO 4.0 FLOWABLE INSECTICIDE	42750	140	0	138261-41-3	Imidacloprid
AGRISOLUTIONS NITRO SHIELD SEED PROTECTANT INSECTICIDE	1381	231	0	138261-41-3	Imidacloprid
ALIAS 2F FLOWABLE INSECTICIDE	264	758	66222	138261-41-3	Imidacloprid
ALIAS 2F FLOWABLE INSECTICIDE	66222	203	0	138261-41-3	Imidacloprid
ALLECTUS GC GRANULAR INSECTICIDE	432	1416	0	138261-41-3	Imidacloprid
ALLECTUS GC SC	432	1421	0	138261-41-3	Imidacloprid
AMTIDE IMIDACLOPRID 2F INSECTICIDE	83851	12	0	138261-41-3	Imidacloprid
ARECA	432	1369	59807	138261-41-3	Imidacloprid

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<i>Brand Name</i>	<i>EPA1</i>	<i>EPA2</i>	<i>EPA3</i>	<i>CAS NUMBER</i>	<i>ACTIVE INGREDIENT</i>
ATERA GC 2+1 SC INSECTICIDE	228	557	0	138261-41-3	Imidacloprid
AXCESS INSECTICIDE SEED TREATMENT	7969	288	0	138261-41-3	Imidacloprid
BAYER CROPSCIENCE GAUCHO 480 FLOWABLE	264	957	0	138261-41-3	Imidacloprid
BAYER CROPSCIENCE GAUCHO GRANDE SEED- APPLIED INSECTICIDE	264	968	0	138261-41-3	Imidacloprid
BAYER CROPSCIENCE GAUCHO-MZ POTATO SEED- PIECE TREATMENT	264	978	0	138261-41-3	Imidacloprid
BAYER CROPSCIENCE TOPS- MZ-GAUCHO POTATO SEED- PIECE TREATMENT	264	977	0	138261-41-3	Imidacloprid
BOUNTY TURF ORNAMENTAL INSECTICIDE	1001	82	0	138261-41-3	Imidacloprid
BRIGADIER INSECTICIDE	279	3332	0	138261-41-3	Imidacloprid
CORETECT TREE AND SHRUB TABLETS INSECTICIDE	432	1457	0	138261-41-3	Imidacloprid
COURAZE 1.6F INSECTICIDE	264	763	67760	138261-41-3	Imidacloprid
COURAZE 2F INSECTICIDE	264	758	67760	138261-41-3	Imidacloprid
COURAZE 4 INSECTICIDE	67760	116	0	138261-41-3	Imidacloprid
COURAZE MAX 4F	264	783	67760	138261-41-3	Imidacloprid
COURAZE SOLUPAK INSECTICIDE	264	761	67760	138261-41-3	Imidacloprid
CRITERION 2F INSECTICIDE	432	1312	0	138261-41-3	Imidacloprid
CRITERION 75 WSP INSECTICIDE	432	1318	0	138261-41-3	Imidacloprid
DISCUS TABLETS INSECTICIDE	432	1457	59807	138261-41-3	Imidacloprid
DISCUS® N/G INSECTICIDE	432	1393	59807	138261-41-3	Imidacloprid
DOMINION 2L TERMITICIDE/INSECTICIDE	53883	229	0	138261-41-3	Imidacloprid
DOMINION 4L FLOWABLE INSECTICIDE	53883	225	0	138261-41-3	Imidacloprid
DYNA-SHIELD IMIDACLOPRID 5	34704	940	0	138261-41-3	Imidacloprid
EVERRIS BENEFIT 60 WP	42750	153	58185	138261-41-3	Imidacloprid
GARANT T & O 2F INSECTICIDE	432	1312	67760	138261-41-3	Imidacloprid
GARANT T & O 75 WSP INSECTICIDE	432	1318	67760	138261-41-3	Imidacloprid
GAUCHO 600 FLOWABLE	264	968	0	138261-41-3	Imidacloprid
GRUBEX PRO	228	485	0	138261-41-3	Imidacloprid
HAWK - I 75WSP	81943	10	0	138261-41-3	Imidacloprid

Table 4: Agricultural Pesticides on the 2012 Groundwater Protection List (GWPL)

Brand Name	EPA1	EPA2	EPA3	CAS NUMBER	ACTIVE INGREDIENT
HAWK-I 2L	81943	11	0	138261-41-3	Imidacloprid
HAWK-I N/O 2L INSECTICIDE	81943	21	0	138261-41-3	Imidacloprid
HAWK-I N/O 60WSP INSECTICIDE	81943	20	0	138261-41-3	Imidacloprid
HI-YIELD GRUB FREE ZONE	81959	18	7401	138261-41-3	Imidacloprid
HOWARD JOHNSONS 0.2% MALLET PLUS 22-00-04	228	500	32802	138261-41-3	Imidacloprid
HUNTER 2F INSECTICIDE	432	1312	0	138261-41-3	Imidacloprid
HUNTER 75 WSP INSECTICIDE	432	1318	0	138261-41-3	Imidacloprid
IMADAPRO 2SC INSECTICIDE	83529	2	72159	138261-41-3	Imidacloprid
IMIDACLOPRID 4F INSECTICIDE	264	783	66222	138261-41-3	Imidacloprid
IMIDASTAR 2L T&O	42750	115	0	138261-41-3	Imidacloprid
IMIDASTAR 75WSP T&O	42750	117	0	138261-41-3	Imidacloprid
IMIDIPRO SYSTEMIC INSECTICIDE	42750	115	2217	138261-41-3	Imidacloprid
IMIGOLD 2 F TURF & ORNAMENTAL INSECTICIDE	70506	150	0	138261-41-3	Imidacloprid
KILTER INSECTICIDE	228	717	0	138261-41-3	Imidacloprid
LADA 2F INSECTICIDE	83100	6	63979	138261-41-3	Imidacloprid
LEBANON PROSCAPE FERTILIZER WITH MERIT 0.2% 20-0-5	432	1349	961	138261-41-3	Imidacloprid
LESCO BANDIT 2F INSECTICIDE	432	1312	0	138261-41-3	Imidacloprid
LESCO BANDIT 75 WSP INSECTICIDE	432	1318	0	138261-41-3	Imidacloprid
LESCO MERIT 0.2 PLUS TURF FERTILIZER 24-5-11	432	1349	10404	138261-41-3	Imidacloprid
LESCO SYSTEMIC INSECTICIDE CONTAINS MERIT IN WATER SOLUBLE PACKETS (086203)	432	1318	10404	138261-41-3	Imidacloprid
LEVERAGE 2.7 SUSPENSION EMULSION INSECTICIDE	264	770	0	138261-41-3	Imidacloprid
LEVERAGE 360 INSECTICIDE	264	1104	0	138261-41-3	Imidacloprid
MACHO 2.0 FL	42750	110	0	138261-41-3	Imidacloprid
MAJESTY	432	1369	59807	138261-41-3	Imidacloprid
MALICE 2F INSECTICIDE	34704	893	0	138261-41-3	Imidacloprid
MALICE 75 WSP	34704	1009	0	138261-41-3	Imidacloprid
MALLET 0.5 G INSECTICIDE	228	501	0	138261-41-3	Imidacloprid
MALLET 2F GREENHOUSE AND NURSERY INSECTICIDE	228	486	0	138261-41-3	Imidacloprid
MALLET 2F INSECTICIDE	228	485	0	138261-41-3	Imidacloprid
MALLET 2F INSECTICIDE	228	485	0	138261-41-3	Imidacloprid
MALLET 2F T & O	228	695	0	138261-41-3	Imidacloprid

Table 4: Agricultural Pesticides on the 2012 Groundwater Protection List (GWPL)

Brand Name	EPA1	EPA2	EPA3	CAS NUMBER	ACTIVE INGREDIENT
INSECTICIDE					
MALLET 7.1 % INSECTICIDE	228	562	0	138261-41-3	Imidacloprid
MALLET 75 WSP INSECTICIDE	228	588	0	138261-41-3	Imidacloprid
MANA ALIAS TM 4F FLOWABLE INSECTICIDE	66222	156	0	138261-41-3	Imidacloprid
MANTRA 1G GREENHOUSE AND NURSERY INSECTICIDE	228	523	0	138261-41-3	Imidacloprid
MANTRA 60 WSP GREENHOUSE AND NURSERY INSECTICIDE	228	681	0	138261-41-3	Imidacloprid
MANTRA GREENHOUSE AND NURSERY INSECTICIDE	228	486	0	138261-41-3	Imidacloprid
MARATHON 1% GRANULAR GREENHOUSE & NURSERY INSECTICIDE	432	1329	59807	138261-41-3	Imidacloprid
MARATHON 60 WP GREENHOUSE AND NURSERY INSECTICIDE IN WATER SULOBLE PACKAGING	432	1361	59807	138261-41-3	Imidacloprid
MARATHON II GREENHOUSE AND NURSERY INSECTICIDE	432	1369	59807	138261-41-3	Imidacloprid
MERIT 2F INSECTICIDE	432	1312	0	138261-41-3	Imidacloprid
MERIT 75 WP INSECTICIDE	432	1314	0	138261-41-3	Imidacloprid
MERIT 75 WSP INSECTICIDE	432	1318	0	138261-41-3	Imidacloprid
MONTANA INSECTICIDE	83100	7	83979	138261-41-3	Imidacloprid
NUPRID 1.6F INSECTICIDE	228	488	0	138261-41-3	Imidacloprid
NUPRID 2F INSECTICIDE	228	484	0	138261-41-3	Imidacloprid
NUPRID 2SC SOIL/FOLIAR INSECTICIDE	228	572	0	138261-41-3	Imidacloprid
NUPRID 4.6F PRO INSECTICIDE	228	527	0	138261-41-3	Imidacloprid
NUPRID 4F MAX INSECTICIDE	228	528	0	138261-41-3	Imidacloprid
ORTHO ROSE & FLOWER INSECT CONTROL PLUS MIRACLE-GRO	228	587	239	138261-41-3	Imidacloprid
PASADA 1.6F FLOWABLE INSECTICIDE	264	763	66222	138261-41-3	Imidacloprid
PASADA 1.6F FLOWABLE INSECTICIDE	66222	228	0	138261-41-3	Imidacloprid
PASADA 75 WSB	264	761	66222	138261-41-3	Imidacloprid
PREY 1.6 INSECTICIDE	34704	894	0	138261-41-3	Imidacloprid
PRIMERAONE IMDIACLOPRID 2F TURF & ORNAMENTAL	53883	229	73220	138261-41-3	Imidacloprid
PROKOZ	432	1318	0	138261-41-3	Imidacloprid
PROKOZ ZENITH 2F INSECTICIDE	432	1312	0	138261-41-3	Imidacloprid

Table 4: Agricultural Pesticides on the 2012 Groundwater Protection List (GWPL)

Brand Name	EPA1	EPA2	EPA3	CAS NUMBER	ACTIVE INGREDIENT
PRO-MATE MERIT 0.2% PLUS TURF FERTILIZER	432	1349	5905	138261-41-3	Imidacloprid
PROVADO 1.6 FLOWABLE INSECTICIDE	264	763	0	138261-41-3	Imidacloprid
PROVADO SOLUPAK 75% WETTABLE POWDER INSECTICIDE IN WATER SOLUBLE PACKETS	264	761	0	138261-41-3	Imidacloprid
QUALI-PRO IMIDACLOPRID 0.5G INSECTICIDE	432	1328	73220	138261-41-3	Imidacloprid
QUALI-PRO IMIDACLOPRID 1G NURSERY & GREENHOUSE INSECTICIDE	53883	227	73220	138261-41-3	Imidacloprid
QUALI-PRO IMIDACLOPRID 2 F INSECTICIDE	432	1312	73220	138261-41-3	Imidacloprid
QUALI-PRO IMIDACLOPRID 2F NURSERY & GREENHOUSE INSECTICIDE	53883	232	73220	138261-41-3	Imidacloprid
QUALI-PRO IMIDACLOPRID 2F TURF & ORNAMENTAL INSECTIDE	53883	229	73220	138261-41-3	Imidacloprid
QUALI-PRO IMIDACLOPRID 75 WSB INSECTICIDE	432	1318	73220	138261-41-3	Imidacloprid
S-CLOPRID 4 AG FLOWABLE INSECTICIDE	83222	32	0	138261-41-3	Imidacloprid
SENATOR 600FS	228	522	0	138261-41-3	Imidacloprid
SHERPA INSECTICIDE	34704	983	0	138261-41-3	Imidacloprid
SIGNATURE FERTILIZER WITH 0.2% MERIT 28-0-8	432	1349	34704	138261-41-3	Imidacloprid
SILVASHIELD FORESTRY TABLETS	432	1457	0	138261-41-3	Imidacloprid
SKYRAIDER	66222	247	0	138261-41-3	Imidacloprid
SOLERA IMIDACLOPRID 2F INSECTICIDE	82542	25	84237	138261-41-3	Imidacloprid
SOMBRERO SEED TREATMENT	66222	187	0	138261-41-3	Imidacloprid
SUBMERGE 2F INSECTICIDE	432	1312	0	138261-41-3	Imidacloprid
SUBMERGE 75 WSP INSECTICIDE	432	1318	0	138261-41-3	Imidacloprid
SWAGGER	34704	1045	0	138261-41-3	Imidacloprid
SYSTEMIC INSECTICIDE CONTAINS MERIT (062001)	3125	421	10404	138261-41-3	Imidacloprid
SYSTEMIC INSECTICIDE CONTAINS MERIT IN WSP (062003)	3125	439	10404	138261-41-3	Imidacloprid
THE ANDERSONS	432	1349	9198	138261-41-3	Imidacloprid

Table 4: Agricultural Pesticides on the 2012 Groundwater Protection List (GWPL)

<i>Brand Name</i>	<i>EPA1</i>	<i>EPA2</i>	<i>EPA3</i>	<i>CAS NUMBER</i>	<i>ACTIVE INGREDIENT</i>
PROFESSIONAL TURF PRODUCTS FERTILIZER 22-3-8 WITH MERIT INSECTICIDE					
TOUCHSTONE 2F INSECTICIDE	432	1312	0	138261-41-3	Imidacloprid
TRIPLE CROWN GOLF INSECTICIDE	279	3457	0	138261-41-3	Imidacloprid
TRIPLE CROWN INSECTICIDE	279	3440	0	138261-41-3	Imidacloprid
TRIPLE CROWN INSECTICIDE	279	3440	33270	138261-41-3	Imidacloprid
WIDOW INSECTICIDE	34704	893	0	138261-41-3	Imidacloprid
WRANGLER INSECTICIDE	34704	931	0	138261-41-3	Imidacloprid
XYTECT 2F INSECTICIDE	42750	115	74779	138261-41-3	Imidacloprid
XYTECT 75WSP INSECTIDE	42750	117	74779	138261-41-3	Imidacloprid
ESPLANADE 200 SC	432	1516	0	950782-96-2	Indaziflam
MARENGO G HERBICIDE	432	1532	59807	950782-96-2	Indaziflam
MARENGO HERBICIDE	432	1518	59807	950782-96-2	Indaziflam
SPECTICLE 20 WSP HERBICIDE	432	1499	0	950782-96-2	Indaziflam
SPECTICLE FLO	432	1518	0	950782-96-2	Indaziflam
DUPONT LAYBY PRO HERBICIDE	1812	460	352	330-55-2	Linuron
DUPONT LAYBY PRO HERBICIDE	352	660	0	330-55-2	Linuron
DUPONT LINEX 4L HERBICIDE	352	677	0	330-55-2	Linuron
DUPONT LOROX DF HERBICIDE	352	686	0	330-55-2	Linuron
LAYBY™ PRO HERBICIDE	61842	20	0	330-55-2	Linuron
LINEX 4L HERBICIDE	1812	245	0	330-55-2	Linuron
LINEX 4L HERBICIDE	61842	21	0	330-55-2	Linuron
LOROX® DF HERBICIDE	61842	23	0	330-55-2	Linuron
MICORA FUNGICIDE	100	1388	0	374726-62-2	Mandipropamid
REVUS	100	1254	0	374726-62-2	Mandipropamid
REVUS TOP FUNGICIDE	100	1278	0	374726-62-2	Mandipropamid
DUPONT MANEX FUNGICIDE	352	655	0	12427-38-2	Maneb
MANEB 75DF DRY FLOWABLE FUNGICIDE	70506	186	0	12427-38-2	Maneb
MANEB 80 WP FUNGICIDE	70506	177	0	12427-38-2	Maneb
MANEX FUNGICIDE FLOWABLE WITH ZINC	1812	251	0	12427-38-2	Maneb
PENTATHLON FUNGICIDE FLOWABLE WITH ZINC	1812	251	0	12427-38-2	Maneb
GORDONS POWER ZONE BROADLEAF HERBICIDE FOR TURF	2217	834	0	16484-77-8	Mecoprop-P (MCP-P)
GORDONS SPEED ZONE	2217	835	0	16484-77-8	Mecoprop-P (MCP-P)

Table 4: Agricultural Pesticides on the 2012 Groundwater Protection List (GWPL)

Brand Name	EPA1	EPA2	EPA3	CAS NUMBER	ACTIVE INGREDIENT
SOUTHERN BROADLEAF HERBICIDE FOR TURF					
GORDONS SpeedZone ST AUGUSTINE FORMULA BROADLEAF HERBICIDE	2217	835	0	16484-77-8	Mecoprop-P (MCP-P)
ONETIME HERBICIDE	7969	267	0	16484-77-8	Mecoprop-P (MCP-P)
SHUTOUT	2217	869	5905	16484-77-8	Mecoprop-P (MCP-P)
TRUPOWER2 SELECTIVE HERBICIDE	228	499	0	16484-77-8	Mecoprop-P (MCP-P)
OSPREY HERBICIDE	264	802	0	208465-21-8	Mesosulfuron-Methyl
QUALI-PRO NEGATE 37WG HERBICIDE	53883	307		208465-21-8	Mesosulfuron-Methyl
DUPONT LANNATE LV INSECTICIDE	352	384	0	16752-77-5	Methomyl
DUPONT LANNATE SP INSECTICIDE	352	342	0	16752-77-5	Methomyl
NUDRIN LV INSECTICIDE	83100	27	83979	16752-77-5	Methomyl**
NUDRIN SP INSECTICIDE	83100	28	83979	16752-77-5	Methomyl**
INTREPID 2F	62719	442	0	161050-58-4	Methoxyfenozone
BOUNDARY 6.5 EC HERBICIDE	100	1162	0	21087-64-9	Metribuzin
GLORY HERBICIDE	66222	106	0	21087-64-9	Metribuzin
METRI DF 75% DRY FLOWABLE HERBICIDE	79604	2	0	21087-64-9	Metribuzin
METRI DF 75% FLOWABLE HERBICIDE	70506	103	0	21087-64-9	Metribuzin
METRIBUZIN 75	34704	876	0	21087-64-9	Metribuzin
METRIBUZIN 75 DF	66222	106	0	21087-64-9	Metribuzin
METRIBUZIN DF 75% DRY FLOWABLE HERBICIDE	264	738	0	21087-64-9	Metribuzin
METRIBUZIN4 FLOWABLE HERBICIDE	264	735	0	21087-64-9	Metribuzin
TRICOR 4F HERBICIDE	70506	68	0	21087-64-9	Metribuzin
912 HERBICIDE	9779	133	0	2163-80-6	Monosodium Methanearsonate (MSMA)
AGRISOLUTIONS 912 HERBICIDE	9779	133	0	2163-80-6	Monosodium Methanearsonate (MSMA)
ANSAR 6.6	61483	17	0	2163-80-6	Monosodium Methanearsonate (MSMA)
BUENO 6	61483	15	0	2163-80-6	Monosodium Methanearsonate (MSMA)
DREXEL MSMA 6 PLUS	19713	42	0	2163-80-6	Monosodium Methanearsonate (MSMA)
DREXEL MSMA 6.6	19713	41	0	2163-80-6	Monosodium Methanearsonate (MSMA)
LESCO MSMA SG (053765)	42519	12	10404	2163-80-6	Monosodium

Table 4: Agricultural Pesticides on the 2012 Groundwater Protection List (GWPL)

Brand Name	EPA1	EPA2	EPA3	CAS NUMBER	ACTIVE INGREDIENT
					Methanearsonate (MSMA)
MSMA 6 PLUS	34704	115	0	2163-80-6	Monosodium Methanearsonate (MSMA)
MSMA 6 PLUS	34704	115	0	2163-80-6	Monosodium Methanearsonate (MSMA)
PROKOZ TURFMAX MSMA 6.6	42750	28	72112	2163-80-6	Monosodium Methanearsonate (MSMA)
TARGET 6 PLUS	42519	3	0	2163-80-6	Monosodium Methanearsonate (MSMA)
TARGET 6.6	42519	1	0	2163-80-6	Monosodium Methanearsonate (MSMA)
TENKOZ MSMA 6 PLUS	42750	29	55467	2163-80-6	Monosodium Methanearsonate (MSMA)
WEED-HOE	61483	15	17545	2163-80-6	Monosodium Methanearsonate (MSMA)
DUPONT ACCENT HERBICIDE	352	560	0	111991-09-04	Nicosulfuron
DUPONT ACCENT Q HERBICIDE	352	773	0	111991-09-04	Nicosulfuron
DUPONT ACCENT SC HERBICIDE	352	747	0	111991-09-04	Nicosulfuron
DUPONT TM PASTORA [®] HERBICIDE	352	819	0	111991-09-04	Nicosulfuron
NIC-IT HERBICIDE	67760	74	0	111991-09-04	Nicosulfuron
NICOVAL HERBICIDE	352	560	85588	111991-09-04	Nicosulfuron
PRIMERO AGRICULTURAL HERBICIDE	83100	8	83979	111991-09-04	Nicosulfuron
DUPONT VYDATE C-LV INSECTICIDE/NEMATICIDE	352	532	0	23135-22-0	Oxamyl
VYDATE L INSECTICIDE/NEMATICIDE	352	372	0	23135-22-0	Oxamyl
CAPAROL 4L HERBICIDE	100	620	0	7287-19-6	Prometryn
COTTON PRO	66222	15	0	7287-19-6	Prometryn
PROMETRYN 4L	66222	15	0	7287-19-6	Prometryn
PROMETRYNE 4L HERBICIDE	34704	692	0	7287-19-6	Prometryn
VEGETABLE PRO HERBICIDE	66222	15	0	7287-19-6	Prometryn
CANTER R + P	264	1074	2935	18311274-15-7	Propoxycarbazone-sodium
PEAK HERBICIDE	100	763	0	94125-34-5	Prosulfuron
ENDEAVOR	100	913	0	123312-89-0	Pymetrozine
ENDEAVOR INSECTICIDE	100	913	0	123312-89-0	Pymetrozine
FULFILL INSECTICIDE	100	912	0	123312-89-0	Pymetrozine
DUPONT (TM) STAPLE (R) HERBICIDE	352	576	0	123343-16-8	Pyrithiobac Sodium
DUPONT STAPLE LX HERBICIDE	352	613	0	123343-16-8	Pyrithiobac Sodium
PYRIMAX TM 3.2 L HERBICIDE	66222	175	0	123343-16-8	Pyrithiobac Sodium
PYSONEX HERBICIDE	352	613	85588	123343-16-8	Pyrithiobac Sodium

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Brand Name	EPA1	EPA2	EPA3	CAS NUMBER	ACTIVE INGREDIENT
DRIVE 75 DF HERBICIDE	7969	130	0	84087-01-4	Quinclorac
DRIVE XLR8 HERBICIDE	7969	272	0	84087-01-4	Quinclorac
LESCO MOMENTUM Q HERBICIDE	228	531	0	84087-01-4	Quinclorac
ONETIME HERBICIDE	7969	267	0	84087-01-4	Quinclorac
PRIMERAONE QUINCLORAC 75DF HERBICIDE	73220	15	0	84087-01-4	Quinclorac
QUAIL-PRO QUINCLORAC 75 DF HERBICIDE	73220	15	0	84087-01-4	Quinclorac
QUINCEPT HERBICIDE	228	531	0	84087-01-4	Quinclorac
SQUAREONE HERBICIDE	279	3419	0	84087-01-4	Quinclorac
DETAIL POWERED BY KIXOR HERBICIDE	7969	297	0	372137-35-4	Saflufenacil
HEAT X POWERED BY KIXOR HERBICIDE	7969	297	0	372137-35-4	Saflufenacil
OPTILL PRO POWERED BY KIXOR HERBICIDE	7969	332	0	372137-35-4	Saflufenacil
SHARPEN X POWERED BY KIXOR HERBICIDE	7969	278	0	372137-35-4	Saflufenacil
TREEVIX POWERED BY KIXOR HERBICIDE	7969	276	0	372137-35-4	Saflufenacil
VERDICT POWERED BY KIXOR HERBICIDE	7969	279	0	372137-35-4	Saflufenacil
TOUCHDOWN 5 HERBICIDE	10182	429	0	81591-81-3	Sulfosate
AMTIDE TEBU 3.6F FOLIAR FUNGICIDE	84154	9	0	107534-96-3	Tebuconazole
AMTIDE TEBUCONAZOLE 45WDG FUNGICIDE	83851	4	0	107534-96-3	Tebuconazole
BAYER CROPSCIENCE RAXIL - THIRAM FLOWABLE FUNGICIDE	264	955	0	107534-96-3	Tebuconazole
BAYER CROPSCIENCE RAXIL MD FUNGICIDE	264	967	0	107534-96-3	Tebuconazole
FOLICUR 3.6 F FOLIAR FUNGICIDE	264	752	0	107534-96-3	Tebuconazole
LUNA EXPERIENCE	264	1091	0	107534-96-3	Tebuconazole
MONSOON	34704	900	0	107534-96-3	Tebuconazole
ORIOUS 20AQ FOLIAR FUNGICIDE	66222	128	0	107534-96-3	Tebuconazole
ORIOUS 3.6F FOLIAR FUNGICIDE	264	752	66222	107534-96-3	Tebuconazole
ORIOUS 3.6F FOLIAR FUNGICIDE	66222	117	0	107534-96-3	Tebuconazole
ORIOUS 45DF FOLIAR FUNGICIDE	264	749	66222	107534-96-3	Tebuconazole
PHOENIX SKYLARK	70506	247	0	107534-96-3	Tebuconazole

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Brand Name	EPA1	EPA2	EPA3	CAS NUMBER	ACTIVE INGREDIENT
FUNGICIDE					
PRIMERONE PLATINUM CHLORTEB ETQ	60063	50	0	107534-96-3	Tebuconazole
PROSARO 421 SC FUNGICIDE	264	862	0	107534-96-3	Tebuconazole
QUALI-PRO TEBUCONAZOLE 3.6F FOLIAR FUNGICIDE	66222	117	0	107534-96-3	Tebuconazole
RAXIL XT WETTABLE POWDER FUNGICIDE	264	966	0	107534-96-3	Tebuconazole
TEBUCIURE FUNGICIDE 3.6	83222	19	0	107534-96-3	Tebuconazole
TEBUJECT	7946	24	0	107534-96-3	Tebuconazole
TEBUSTAR 36L	42750	99	0	107534-96-3	Tebuconazole
TEBUZOL 3.6 FUNGICIDE	70506	114	0	107534-96-3	Tebuconazole
TORQUE FUNGICIDE	1001	87	0	107534-96-3	Tebuconazole
CONFIRM 2F	62719	420	0	112410-23-8	Tebufenozide
CONFIRM 2F AGRICULTURAL INSECTICIDE (SEC18 98-AZ- 09,10)	707	238	0	112410-23-8	Tebufenozide
CONFIRM 2F INSECTICIDE	8033	111	10163	112410-23-8	Tebufenozide
CONFIRM T/O	62719	420	0	112410-23-8	Tebufenozide
CONFIRM T/O INSECTICIDE	707	238	0	112410-23-8	Tebufenozide
MIMIC 2LV	62719	439	0	112410-23-8	Tebufenozide
ACTARA INSECTICIDE	100	938	0	153719-23-4	Thiamethoxam
AGRI-FLEX MITICIDE/INSECTICIDE	100	1350	0	153719-23-4	Thiamethoxam
CENTRIC 40WG INSECTICIDE	100	1147	0	153719-23-4	Thiamethoxam
CRUISER 5FS insecticide	100	941	0	153719-23-4	Thiamethoxam
CRUISER MAXX CEREALS INSECTICIDE WITH FUNGICIDES	100	1305	0	153719-23-4	Thiamethoxam
CRUISER MAXX POTATO INSECTICIDE AND FUNGICIDE	100	1248	0	153719-23-4	Thiamethoxam
DURIVO	100	1318	0	153719-23-4	Thiamethoxam
ENDIGO ZC INSECTICIDE	100	1276	0	153719-23-4	Thiamethoxam
FLAGSHIP 0.22G INSECTICIDE	100	960	0	153719-23-4	Thiamethoxam
FLAGSHIP 25WG	100	955	0	153719-23-4	Thiamethoxam
MERIDIAN 0.33G INSECTICIDE	100	961	0	153719-23-4	Thiamethoxam
MERIDIAN 25WG	100	943	0	153719-23-4	Thiamethoxam
PLATINUM 75 SG INSECTICIDE	100	1291	0	153719-23-4	Thiamethoxam
PLATINUM INSECTICIDE	100	939	0	153719-23-4	Thiamethoxam
AUTUMN SUPER 51 WDG HERBICIDE	264	1134	0	317815-83-1	Thiencarbazone-methyl
CAPRENO HERBICIDE	264	1063	0	317815-83-1	Thiencarbazone-methyl
CELSIUS™ WG HERBICIDE	432	1507	0	317815-83-1	Thiencarbazone-methyl

Table 4: Agricultural Pesticides on the 2012 Groundwater Protection List (GWPL)

Brand Name	EPA1	EPA2	EPA3	CAS NUMBER	ACTIVE INGREDIENT
TRIBUTE TOTAL	432	1519	0	317815-83-1	Thiencarbazone-methyl
ARMEZON HERBICIDE	7969	262	0	210631-68-8	Topramezone
FREQUENCY HERBICIDE	7969	281	0	210631-68-8	Topramezone
IMPACT	5481	524	0	210631-68-8	Topramezone
PYLEX HERBICIDE	7969	327	0	210631-68-8	Topramezone
AQUASWEEP	228	316	0	55335-06-3	Triclopyr
GODONS PASTURE PRO BRUSH KILLER FOR HARD- TO-KILL BRUSH	2217	952	0	55335-06-3	Triclopyr
PASTUREGARD HL HERBICIDE	62719	637	0	55335-06-3	Triclopyr
TRYCERA SELECTIVE BROADLEAF HERBICIDE	5905	580	0	55335-06-3	Triclopyr
ENVOKE HERBICIDE	100	1132	0	199119-58-9	Trifloxysulfuron-Sodium
GAME UP™ PLANT GROWTH REGULATOR	34704	1005	0	95266-40-3	Trinexapac-Ethyl
GOLDWING	81943	12	0	95266-40-3	Trinexapac-Ethyl
GROOM PGR	83070	4	0	95266-40-3	Trinexapac-Ethyl
LESCO TEGIMAX PGR PLANT GROWTH REGULATOR	79676	24	10404	95266-40-3	Trinexapac-Ethyl
NUFARM T-PAC SPC MEC PLANT GROWTH REGULATOR	228	635	0	95266-40-3	Trinexapac-Ethyl
PALISADE 2EC	100	1241	0	95266-40-3	Trinexapac-Ethyl
PODIUM	100	937	0	95266-40-3	Trinexapac-Ethyl
PRIMERAONE TRINEXAPAC- ETHYL	66222	212	0	95266-40-3	Trinexapac-Ethyl
PRIMERAONE TRINEXAPAC- ETHYL 1AQ	73220	12	0	95266-40-3	Trinexapac-Ethyl
PRIMO LIQUID	100	729	0	95266-40-3	Trinexapac-Ethyl
PRIMO LIQUID	100	729	0	95266-40-3	Trinexapac-Ethyl
PRIMO MAXX	100	937	0	95266-40-3	Trinexapac-Ethyl
PRIMO MAXX	100	937	0	95266-40-3	Trinexapac-Ethyl
PRIMO WSB	100	752	0	95266-40-3	Trinexapac-Ethyl
PRIMO WSB	100	752	0	95266-40-3	Trinexapac-Ethyl
PROVAIR PGR	72112	11	0	95266-40-3	Trinexapac-Ethyl
QUAIL-PRO YT-NEX TM 1AQ	73220	12	0	95266-40-3	Trinexapac-Ethyl
QUALI-PRO T-NEX 1AQ	66222	212	0	95266-40-3	Trinexapac-Ethyl

****Active Ingredient previously placed on the GWPL, registered to an additional company.**

Groundwater Monitoring and Testing (A.R.S. § 49-307.A)

Pursuant to A.R.S. § 49-307, in order to accurately determine the mobility of pesticides with active ingredients on the GWPL, ADEQ is required to conduct regular monitoring and testing of groundwater in areas where these pesticides are widely used. In the past, ADEQ's groundwater monitoring effort was confined to two areas – Yuma and Maricopa counties – where extensive pesticide usage, permeable soils and shallow groundwater make them vulnerable to pesticide pollution. In April 2010, the groundwater monitoring network was extended to the Safford-Thatcher area of Graham County where seven monitoring wells were installed with the help of funds provided by the EPA through the ADA.

Groundwater samples were collected only once in 2012, in April, and were collected from wells in the Yuma, Buckeye and Safford areas. Three groundwater monitoring wells were sampled in the Safford-Thatcher area and there were no detections above the method reporting limit (MRL) for any of the pesticides on the 2011 GWPL. Six groundwater monitoring wells were sampled in Maricopa County. One well, MW-1, did not have any detections of pesticides above their respective MRLs. The five other wells had detections of the following pesticides: Atrazine, Diuron, Imazamox, Imazethapyr Group (Imazethapyr), Indaziflam, and Methoxyfenozide. Concentration ranges are presented in Table 5. Nine groundwater monitoring wells were sampled in Yuma County. Five of the wells (YW-1, YW-15, YW-16, YW-44 and YW-46) did not have any detection of pesticides above their respective MRLs. The other four wells had detections of the following pesticides: Dinotefuran, Imazamox, Imidacloprid and Methoxyfenozide. Concentration ranges are presented in Table 5. None of the pesticide active ingredients on this list belong to those identified by the EPA as “Pesticides of Concern.” No regulatory action is required for these pesticides although changes in their concentrations are being closely monitored. None of the concentrations detected in groundwater exceed any applicable federal or state standards, or pose any appreciable risk to human health.

<i>Table 5: Detected Pesticides of Interest in Groundwater</i>		
<i>Active Ingredient</i>	<i>Type of Pesticide</i>	<i>Concentration Range</i> <i>micrograms per liter</i> <i>(ug/l)</i>
Atrazine	Herbicide	(<0.02 – 0.024)
Dinotefuran	Insecticide	(<0.02 – 0.072)
Diuron	Herbicide	(<0.02 – 0.022)
Imazamox	Herbicide	(<0.02 – 0.4)
Imazethapyr	Herbicide	(<0.02 – 0.27)
Imidacloprid	Insecticide	(<0.02 – 0.088)
Indaziflam	Herbicide	(<0.2 – 0.042)
Methoxyfenozide	Insecticide	(<0.02 – 0.35)

Use Information on Agricultural Pesticides on the GWPL (A.R.S. § 49-303.C.4)

State statutes and rules require a pesticide user to file reports on the use of agricultural-use pesticides on the GWPL (A.R.S. § 49-305.B and A.A.C. R18-6-303.B). Since this information can be obtained from the pesticide application report (Form 1080) that pesticide users must submit to the ADA prior to use, ADEQ allows the use of Form 1080 to fulfill this reporting requirement. The pesticide use information is presented in the following tables that were prepared with the assistance of the ADA:

- Use information on agricultural-use pesticides on the GWPL in Table 3 that were intended for soil application *within* Arizona between Jan. 1, 2012 and Dec. 31, 2012 (Table 6).
- Use information on agricultural-use pesticides on the GWPL in Table 3 that were intended for soil application *within each county* in Arizona between Jan. 1, 2012 and Dec. 31, 2012 (Table 7).

<i>Table 6: Reported Use of Pesticides in Arizona January 1, 2012 – December 31, 2012</i>											
Product Brand Name	Type	EPA1	EPA2	EPA3	Active Ingredient	Chemical Total	Units	Acres	AI %	Total AI Applied	Units
ACTIGARD 50 WG PLANT ACTIVATOR	MILDEWSTAT	100	922	0	1,2,3-Benzothiadiazole-7-carbothioic acid, S-methyl ester	163.09	LBS	3433.79	50	81.54	LBS
BLOCKADE 50WG PLANT ACTIVATOR	FUNGICIDE	100	922	0	1,2,3-Benzothiadiazole-7-carbothioic acid, S-methyl ester	141.82	LBS	3031.35	50	70.91	LBS
FULFILL INSECTICIDE	INSECTICIDE	100	912	0	1,2,4-Triazin-3(2H)-one, 4,5-dihydro-6-methyl-4-{{(3-pyridinylmethylene)amino}-, (E)-	544.48	LBS	2859.31	50	272.24	LBS
AGRSOULUTIONS E-99	HERBICIDE	1381	195	0	2,4-D, butoxyethyl ester	1.75	GAL	38	87.4	1.53	GAL
PURSUIT HERBICIDE	HERBICIDE	241	310	0	Ammonium salt of (+/-)-2-(4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl)-5-ethyl-3-pyridinecarboxylic acid	2891.42	GAL	31250.72	22.87	661.27	GAL
THUNDER	HERBICIDE	42750	146	0	Ammonium salt of (+/-)-2-(4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl)-5-ethyl-3-pyridinecarboxylic acid	54.51	GAL	1380.1	22.87	12.47	GAL
DUPONT CINCH ATZ LITE HERBICIDE	HERBICIDE	352	623	0	Atrazine	19.25	GAL	77	28.1	5.41	GAL
AATREX 4L HERBICIDE	HERBICIDE	100	497	0	Atrazine	1126.49	GAL	6483.9	42.6	479.88	GAL
ATRAZINE 4L HERBICIDE	HERBICIDE	100	497	0	Atrazine	75.00	GAL	199.75	42.2	31.65	GAL
ATRAZINE 4L HERBICIDE	HERBICIDE	100	497	72693	Atrazine	6.00	GAL	20	42.2	2.53	GAL
ATRAZINE 4L HERBICIDE	HERBICIDE	34704	69	0	Atrazine	765.43	GAL	3207	42.2	323.01	GAL
ATRAZINE 4L HERBICIDE	HERBICIDE	66222	36	0	Atrazine	327.77	GAL	1345.9	42.2	138.32	GAL
DREXEL ATRAZINE 4L HERBICIDE	HERBICIDE	19713	11	0	Atrazine	1094.49	GAL	4504.8	42.2	461.88	GAL
DYNASTY EXTREME FUNGICIDE	FUNGICIDE	100	1284	0	Azoxystrobin	95.48	LBS	193.67	8.3	7.92	LBS
ABOUND FLOWABLE FUNGICIDE	FUNGICIDE	100	1098	0	Azoxystrobin	195.48	GAL	2309	20.6	40.27	GAL
ABOUND FLOWABLE FUNGICIDE	FUNGICIDE	10182	415	0	Azoxystrobin	5.00	GAL	48.3	20.6	1.03	GAL
QUADRIIS FLOWABLE FUNGICIDE	FUNGICIDE	100	1098	0	Azoxystrobin	2059.10	GAL	10872.09	22.9	471.53	GAL
SHARPEN X POWERED BY KIXOR HERBICIDE	HERBICIDE	7969	278	0	Benzamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-	82.50	GAL	2999.9	29.7	24.50	GAL

Table 6: Reported Use of Pesticides in Arizona January 1, 2012 – December 31, 2012											
Product Brand Name	Type	EPA1	EPA2	EPA3	Active Ingredient	Chemical Total	Units	Acres	AI %	Total AI Applied	Units
					1(2H)-pyrimidinyl]-4-fluoro-N-[[methyl(1-methylethyl)amino)sulfonyl]-						
AGRISOLUTIONS STERLING BLUE HERBICIDE	HERBICIDE	7969	137	1381	Benzoic acid, 3,6-dichloro-2-methoxy-, compd with 2-(2-aminoethoxy)ethanol (1:1)	5.00	GAL	130.7	56.8	2.84	GAL
CLARITY HERBICIDE	HERBICIDE	7969	137	0	Benzoic acid, 3,6-dichloro-2-methoxy-, compd with 2-(2-aminoethoxy)ethanol (1:1)	6496.23	GAL	9759.5	56.8	3689.86	GAL
DETONATE HERBICIDE	HERBICIDE	7969	137	55467	Benzoic acid, 3,6-dichloro-2-methoxy-, compd with 2-(2-aminoethoxy)ethanol (1:1)	16.38	GAL	121	56.8	9.30	GAL
STRUT HERBICIDE	HERBICIDE	34704	1043	0	Benzoic acid, 3,6-dichloro-2-methoxy-, compd with 2-(2-aminoethoxy)ethanol (1:1)	4405.41	GAL	2464	56.8	2502.28	GAL
CARBARYL CUTWORM BAIT	INSECTICIDE	11656	21	0	Carbaryl	250.00	LBS	10	5	12.50	LBS
GOWAN SEVIN BAIT AGRICULTURE POISON BAIT	INSECTICIDE	10163	32	0	Carbaryl	2250.04	LBS	125	5	112.50	LBS
SEVIN 5 BAIT	INSECTICIDE	2935	366	0	Carbaryl	6254.28	LBS	540.5	5	312.71	LBS
SEVIN BRAND XLR PLUS CARBARYL INSECTICIDE	INSECTICIDE	264	333	0	Carbaryl	17.48	GAL	37.6	44.1	7.71	GAL
SEVIN SL CARBARYL INSECTICIDE	INSECTICIDE	432	1227	0	Carbaryl	5.00	GAL	40	43	2.15	GAL
AIM EC HERBICIDE	HERBICIDE	279	3241	0	Carfentrazone-ethyl	1519.77	GAL	27719.16	22.3	338.91	GAL
AIM EW HERBICIDE	HERBICIDE	279	3242	0	Carfentrazone-ethyl	0.05	GAL	12	21.3	0.01	GAL
BESIEGE INSECTICIDE	INSECTICIDE	100	1402	0	Chlorantraniliprole	4041.46	GAL	3266.3	9.26	374.24	GAL
VOLIAM XPRESS INSECTICIDE	INSECTICIDE	100	1320	0	Chlorantraniliprole	11236.97	GAL	17171.55	21.7	2438.42	GAL
VOLIAM XPRESS INSECTICIDE	INSECTICIDE	100	1320	0	Chlorantraniliprole	35.99	LBS	37.8	21.7	7.81	LBS
DUPONT CORAGEN INSECT CONTROL	INSECTICIDE	352	729	0	Chlorantraniliprole	407.25	GAL	9842.82	18.4	74.93	GAL
OVERDRIVE HERBICIDE	HERBICIDE	7969	150	0	Dicamba, sodium salt	20.00	LBS	25.4	55	11.00	LBS
FORUM FUNGICIDE	FUNGICIDE	241	427	0	Dimethomorph	1417.01	GAL	29340.93	43.5	616.40	GAL

<i>Table 6: Reported Use of Pesticides in Arizona January 1, 2012 – December 31, 2012</i>											
Product Brand Name	Type	EPA1	EPA2	EPA3	Active Ingredient	Chemical Total	Units	Acres	AI %	Total AI Applied	Units
ACETO 2,4-DB200 HERBICIDE	HERBICIDE	2749	516	0	Dimethylamine salt of dicamba	2497.96	GAL	1352.7	26.2	654.47	GAL
SCORPION™ 35SL INSECTICIDE	INSECTICIDE	10163	317	0	Dinotefuran	2342.20	GAL	2234.9	35	819.77	GAL
VALENT VENOM INSECTICIDE	INSECTICIDE	59639	135	0	Dinotefuran	406.80	GAL	10803.93	70	284.76	GAL
VALENT VENOM INSECTICIDE	INSECTICIDE	59639	135	0	Dinotefuran	246.30	LBS	481.97	70	172.41	LBS
VALENT VENOM INSECTICIDE	INSECTICIDE	59639	138	0	Dinotefuran	8.06	GAL	510.4	70	5.64	GAL
REDI-PIK 1.5EC COTTON DEFOLIANT	DEFOLIANT	264	634	66222	Diuron	10183.13	GAL	24465.95	21.7	2209.74	GAL
REDI-PIK1.5EC COTTON DEFOLIANT	DEFOLIANT	66222	137	0	Diuron	4357.29	GAL	25204.33	6	261.44	GAL
ADIOS COTTON DEFOLIANT	DEFOLIANT	66330	344	0	Diuron	747.10	GAL	7895.76	6	44.83	GAL
DIURON 4L HERBICIDE	HERBICIDE	34704	854	0	Diuron	171.45	GAL	685.8	40	68.58	GAL
DREXEL DIURON 4L	HERBICIDE	19713	36	0	Diuron	958.09	GAL	3625.4	40	383.24	GAL
Dupont Direx 4l herbicide	HERBICIDE	352	678	0	Diuron	316.85	GAL	2718.3	40	126.74	GAL
Dupont Karmex XP Herbicide	HERBICIDE	352	692	0	Diuron	12.90	LBS	43	80	10.32	LBS
DENIM INSECTICIDE	INSECTICIDE	100	903	0	Emamectin benzoate	31.88	GAL	408	2.15	0.69	GAL
PROCLAIM INSECTICIDE	INSECTICIDE	100	904	0	Emamectin benzoate	544.30	GAL	10	5	27.22	GAL
PROCLAIM INSECTICIDE	INSECTICIDE	100	904	0	Emamectin benzoate	4224.96	LBS	17078.9	5	211.25	LBS
PROCLAIM INSECTICIDE	INSECTICIDE	100	904	0	Emamectin benzoate	89.89	QTS	24.9	5	4.49	QTS
THIODAN 3 EC INSECTICIDE (SLN AZ-930014)	INSECTICIDE	279	2924	0	Endosulfan	24.12	GAL	114	33.3	8.03	GAL
THIODAN WSB INSECTICIDE	INSECTICIDE	279	3129	0	Endosulfan	2.00	LBS	10	50	1.00	LBS
THIONEX 3EC	INSECTICIDE	66222	63	0	Endosulfan	1748.01	GAL	5172.94	33.7	589.08	GAL
BELEAF 50SG INSECTICIDE	INSECTICIDE	71512	10	279	Flonicamid	1029.03	LBS	6229.38	50	514.52	LBS
CARBINE 50 WG INSECTICIDE	INSECTICIDE	100	1098		Flonicamid	111.99	LBS	223	50	55.99	LBS
CARBINE 50 WG INSECTICIDE	INSECTICIDE	2935	50142		Flonicamid	394.20	PTS	197.1	50	197.10	PTS
CARBINE 50 WG INSECTICIDE	INSECTICIDE	34704	50035		Flonicamid	872.09	PTS	457	50	436.05	PTS
CARBINE 50 WG INSECTICIDE	INSECTICIDE	34704	50036		Flonicamid	319.99	PTS	174	50	159.99	PTS
CARBINE 50 WG INSECTICIDE	INSECTICIDE	71512	9	279	Flonicamid	25328.34	GAL	4007.78	50	12664.17	GAL
CARBINE 50 WG INSECTICIDE	INSECTICIDE	71512	9	279	Flonicamid	26846.26	LBS	147461.1	50	13423.13	LBS

<i>Table 6: Reported Use of Pesticides in Arizona January 1, 2012 – December 31, 2012</i>											
Product Brand Name	Type	EPA1	EPA2	EPA3	Active Ingredient	Chemical Total	Units	Acres	AI %	Total AI Applied	Units
CARBINE 50 WG INSECTICIDE	INSECTICIDE	71512	9	279	Flonicamid	6279.28	PTS	3434.1	50	3139.6 4	PTS
CARBINE 50 WG INSECTICIDE	INSECTICIDE	71512	9	279	Flonicamid	1575.33	QTS	650.6	50	787.67	QTS
ISK BIOSCIENCE BELEAF 50SG INSECTICIDE	INSECTICIDE	71512	10	0	Flonicamid	177.37	LBS	1030.63	50	88.68	LBS
LIBERTY 280 SL HERBICIDE	HERBICIDE	264	829	0	Glufosinate	4405.35	GAL	1405.22	24.5	1079.3 1	GAL
SANDEA HERBICIDE	HERBICIDE	81880	18	10163	Halosulfuron-methyl	2.40	GAL	273.6	75	1.80	GAL
SANDEA HERBICIDE	HERBICIDE	81880	18	10163	Halosulfuron-methyl	116.48	LBS	344	75	87.36	LBS
BASF BEYOND HERBICIDE/CLEARFIELD PRODUCTION SYSTEM	HERBICIDE	241	310	0	Imazamox	130.00	GAL	65	12.1	15.73	GAL
BASF BEYOND HERBICIDE/CLEARFIELD PRODUCTION SYSTEM	HERBICIDE	241	379	0	Imazamox	3125.46	GAL	4327.71	12.1	378.18	GAL
BASF RAPTOR HERBICIDE	HERBICIDE	241	379	0	Imazamox	1837.95	GAL	38905.43	12.1	222.39	GAL
PURSUIT DG HERBICIDE ECO-PA WATER SOLUBLE PACKETS	HERBICIDE	241	350	0	Imazethapyr	8.00	LBS	60	70	5.60	LBS
SWAGGER	INSECTICIDE	34704	1045	0	Imidacloprid	2.50	GAL	40	5.7	0.14	GAL
ADMIRE 2 FLOWABLE INSECTICIDE (SLN AZ-040003)	INSECTICIDE	264	758	0	Imidacloprid	58.65	GAL	357	21.4	12.55	GAL
ADMIRE PRO SYSTEMIC PROTECTANT INSECTICIDE	INSECTICIDE	264	827	0	Imidacloprid	646.98	GAL	9824.4	42.8	276.91	GAL
ALIAS 2F FLOWABLE INSECTICIDE	INSECTICIDE	264	758	66222	Imidacloprid	1770.57	GAL	9822.91	21.4	378.90	GAL
AMTIDE IMIDACLOPRID 2F INSECTICIDE	INSECTICIDE	83851	12	0	Imidacloprid	20.21	GAL	774.9	22.6	4.57	GAL
BRIGADIER INSECTICIDE	INSECTICIDE	279	3332	0	Imidacloprid	1.32	GAL	27.7	11.3	0.15	GAL
LEVERAGE 2.7 SUSPENSION EMULSION INSECTICIDE	INSECTICIDE	264	770	0	Imidacloprid	3.95	GAL	133	0.24	0.01	GAL
LEVERAGE 360 INSECTICIDE	INSECTICIDE	264	1104	0	Imidacloprid	32.10	GAL	1422.99	0.24	0.08	GAL
MACHO 2.0 FL	INSECTICIDE	42750	110	0	Imidacloprid	508.29	GAL	2967.32	21.4	108.77	GAL

<i>Table 6: Reported Use of Pesticides in Arizona January 1, 2012 – December 31, 2012</i>											
Product Brand Name	Type	EPA1	EPA2	EPA3	Active Ingredient	Chemical Total	Units	Acres	AI %	Total AI Applied	Units
MONTANA INSECTICIDE	INSECTICIDE	83100	7	83979	Imidacloprid	586.02	GAL	3185.78	21.4	125.41	GAL
NUPRID 2SC SOIL/FOLIAR INSECTICIDE	INSECTICIDE	228	572	0	Imidacloprid	160.28	GAL	1363.22	21.4	34.30	GAL
PREY 1.6 INSECTICIDE	INSECTICIDE	34704	894	0	Imidacloprid	0.44	GAL	14.9	17.4	0.08	GAL
PRIMERAONE IMIDACLOPRID 2F TURF & ORNAMENTAL INSECTICIDE	INSECTICIDE	66222	203	0	Imidacloprid	16.22	GAL	86.5	21.4	3.47	GAL
PROVADO 1.6 FLOWABLE INSECTICIDE	INSECTICIDE	264	763	0	Imidacloprid	1.39	GAL	49.74	17.4	0.24	GAL
QUALI-PRO IMIDACLOPRID 2F TURF & ORNAMENTAL INSECTICIDE	INSECTICIDE	66222	203	0	Imidacloprid	21.21	GAL	123.7	21.4	4.54	GAL
QUALI-PRO IMIDACLOPRID 75 WSB	INSECTICIDE	66222	199	0	Imidacloprid	79.99	LBS	71.1	75	59.99	LBS
WRANGLER INSECTICIDE	INSECTICIDE	34704	931	0	Imidacloprid	600.98	GAL	5052.1	40.7	244.60	GAL
DUPONT LOROX DF HERBICIDE	HERBICIDE	352	686	0	Linuron	232.04	LBS	225.3	50	116.02	LBS
LOROX® DF HERBICIDE	HERBICIDE	61842	23	0	Linuron	125.74	LBS	100.4	50	62.87	LBS
REVUS	FUNGICIDE	100	1254	0	Mandipropamide Technical	2462.47	GAL	36982.2	23.3	573.76	GAL
DUPONT MANEX FUNGICIDE	FUNGICIDE	352	655	0	Maneb	16.98	GAL	45	37	6.28	GAL
MANEB 75DF DRY FLOWABLE FUNGICIDE	FUNGICIDE	70506	186	0	Maneb	368.38	LBS	126.1	75	276.29	LBS
OSPREY HERBICIDE	HERBICIDE	264	802	0	Mesosulfuron-methyl	424.90	LBS	1582.87	4.5	19.12	LBS
DUPONT LANNATE SP INSECTICIDE	INSECTICIDE	352	342	0	Methomyl	36107.75	LBS	34227.82	90	32496.98	LBS
DUPONT LANNATE SP INSECTICIDE	INSECTICIDE	70506	9	0	Methomyl	6.50	LBS	13	90	5.85	LBS
INTREPID 2F	INSECTICIDE	62719	442	0	Methoxyfenozide	8219.37	GAL	58101.1	22.6	1857.58	GAL
TRICOR DF 75% DRY FLOWABLE HERBICIDE	HERBICIDE	70506	103	0	Metribuzin	7.04	LBS	168	75	5.28	LBS
DUPONT™ PASTORA® HERBICIDE	HERBICIDE	352	819	0	Nicosulfuron	173.50	LBS	586.8	56.2	97.50	LBS
DUPONT ACCENT Q HERBICIDE	HERBICIDE	352	773	0	Nicosulfuron	1.49	LBS	26.4	54.5	0.81	LBS

Product Brand Name	Type	EPA1	EPA2	EPA3	Active Ingredient	Chemical Total	Units	Acres	AI %	Total AI Applied	Units
VYDATE L INSECTICIDE/NEMATICIDE	INSECTICIDE	352	372	0	Oxamyl	396.96	GAL	1085.9	24	95.27	GAL
CAPAROL 4L HERBICIDE	HERBICIDE	100	620	0	Prometryn	745.87	GAL	2739.68	44.4	331.16	GAL
COTTON PRO	HERBICIDE	66222	15	0	Prometryn	1158.57	GAL	4107.55	44	509.77	GAL
GOWAN PROMETRYNE 4L HERBICIDE	HERBICIDE	10163	94	0	Prometryn	43.95	GAL	125.8	44.4	19.51	GAL
VEGETABLE PRO HERBICIDE	HERBICIDE	66222	15	0	Prometryn	298.56	GAL	1240.2	44	131.37	GAL
MONSOON	FUNGICIDE	34704	900	0	Tebuconazole	41.88	GAL	670	38.7	16.21	GAL
ORIOUS 3.6F FOLIAR FUNGICIDE	FUNGICIDE	66222	117	0	Tebuconazole	127.55	GAL	2047	38.7	49.36	GAL
TEBUZOL 3.6 FUNGICIDE	FUNGICIDE	70506	114	0	Tebuconazole	40.87	GAL	686	38.7	15.82	GAL
H = Herbicide	F = Fungicide				O = Ovicides	R = Regulator					
I = Insecticide	M = Miticides				N = Nematicide	D = Defoliant					

Table 7: Reported Use of Pesticides in Arizona by County – January 1, 2012 – December 31, 2012

County	Product Brand Name	Type	EPA1	EPA2	EPA3	Active Ingredient	Chemical Totals	Units	Acres	%AI	Total AI Applied	Units
COCHISE	PURSUIT HERBICIDE	HERBICIDE	241	310	0	Ammonium salt of (+/-)-2-(4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl)-5-ethyl-3-pyridinecarboxylic acid	18.70	GAL	803.78	22.87	4.28	GAL
COCHISE	ATRAZINE 4L HERBICIDE	HERBICIDE	34704	69	0	Atrazine	630.38	GAL	2735	42.2	266.02	GAL
COCHISE	ATRAZINE 4L HERBICIDE	HERBICIDE	66222	36	0	Atrazine	114.90	GAL	480	42.2	48.49	GAL
COCHISE	DREXEL ATRAZINE 4L HERBICIDE	HERBICIDE	19713	11	0	Atrazine	557.55	GAL	2300	42.2	235.29	GAL
COCHISE	ABOUND FLOWABLE FUNGICIDE	FUNGICIDE	100	1098	0	Azoxystrobin	43.42	GAL	623	20.6	8.94	GAL
COCHISE	QUADRIIS FLOWABLE FUNGICIDE	FUNGICIDE	100	1098	0	Azoxystrobin	1203.52	GAL	1043	22.9	275.61	GAL
COCHISE	SHARPEN X POWERED BY KIXOR HERBICIDE	HERBICIDE	7969	278	0	Benzamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-[[methyl(1-methylethyl)amino]sulfonyl]-	25.78	GAL	1349.9	29.7	7.66	GAL
COCHISE	CLARITY HERBICIDE	HERBICIDE	7969	137	0	Benzoic acid, 3,6-dichloro-2-methoxy-, compd with 2-(2-aminoethoxy)ethanol (1:1)	2100.21	GAL	1937.1	56.8	1192.92	GAL
COCHISE	STRUT HERBICIDE	HERBICIDE	34704	1043	0	Benzoic acid, 3,6-dichloro-2-methoxy-, compd with 2-(2-aminoethoxy)ethanol (1:1)	37.97	GAL	1104	56.8	21.57	GAL
COCHISE	AIM EC HERBICIDE	HERBICIDE	279	3241	0	Carfentrazone-ethyl	375.78	GAL	3878.5	22.3	83.80	GAL
COCHISE	ACETO 2,4-DB200 HERBICIDE	HERBICIDE	2749	516	0	Dimethylamine salt of dicamba	4.15	GAL	120	26.2	1.09	GAL
COCHISE	REDI-PIK 1.5EC COTTON DEFOLIANT	DEFOLIANT	264	634	66222	Diuron	52.99	GAL	921	21.7	11.50	GAL
COCHISE	REDI-PIK1.5EC COTTON DEFOLIANT	DEFOLIANT	66222	137	0	Diuron	1942.49	GAL	828	6	116.55	GAL
COCHISE	BASF BEYOND HERBICIDE/CLEARFIELD PRODUCTION SYSTEM	HERBICIDE	241	379	0	Imazamox	440.00	GAL	110	12.1	53.24	GAL
COCHISE	BASF RAPTOR HERBICIDE	HERBICIDE	241	379	0	Imazamox	424.68	GAL	3244.08	12.1	51.39	GAL
COCHISE	REVUS	FUNGICIDE	100	1254	0	Mandipropamide Technical	3.75	GAL	60	23.3	0.87	GAL
COCHISE	INTREPID 2F	INSECTICIDE	62719	442	0	Methoxyfenozide	19.30	GAL	272	22.6	4.36	GAL

Table 7: Reported Use of Pesticides in Arizona by County – January 1, 2012 – December 31, 2012												
County	Product Brand Name	Type	EPA1	EPA2	EPA3	Active Ingredient	Chemical Totals	Units	Acres	%AI	Total AI Applied	Units
COCHISE	MONSOON	FUNGICIDE	34704	900	0	Tebuconazole	41.88	GAL	670	38.7	16.21	GAL
COCHISE	ORIOUS 3.6F FOLIAR FUNGICIDE	FUNGICIDE	66222	117	0	Tebuconazole	103.80	GAL	1667	38.7	40.17	GAL
COCHISE	TEBUZOL 3.6 FUNGICIDE	FUNGICIDE	70506	114	0	Tebuconazole	40.87	GAL	686	38.7	15.82	GAL
GRAHAM	DREXEL ATRAZINE 4L HERBICIDE	HERBICIDE	19713	11	0	Atrazine	225.00	GAL	1080	42.2	94.95	GAL
GRAHAM	SHARPEN X POWERED BY KIXOR HERBICIDE	HERBICIDE	7969	278	0	Benzamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-[[methyl(1-methylethyl)amino]sulfonyl]-	56.72	GAL	1650	29.7	16.85	GAL
GRAHAM	CLARITY HERBICIDE	HERBICIDE	7969	137	0	Benzoic acid, 3,6-dichloro-2-methoxy-, compd with 2-(2-aminoethoxy)ethanol (1:1)	1210.00	GAL	400	56.8	687.28	GAL
GRAHAM	STRUT HERBICIDE	HERBICIDE	34704	1043	0	Benzoic acid, 3,6-dichloro-2-methoxy-, compd with 2-(2-aminoethoxy)ethanol (1:1)	7.50	GAL	240	56.8	4.26	GAL
GRAHAM	AIM EC HERBICIDE	HERBICIDE	279	3241	0	Carfentrazone-ethyl	5.19	GAL	1150	22.3	1.16	GAL
GRAHAM	REDI-PIK1.5EC COTTON DEFOLIANT	DEFOLIANT	66222	137	0	Diuron	22.50	GAL	360	6	1.35	GAL
GRAHAM	BASF BEYOND HERBICIDE/CLEARFIELD PRODUCTION SYSTEM	HERBICIDE	241	379	0	Imazamox	7.50	GAL	240	12.1	0.91	GAL
GRAHAM	BASF RAPTOR HERBICIDE	HERBICIDE	241	379	0	Imazamox	10.75	GAL	304	12.1	1.30	GAL
GRAHAM	INTREPID 2F	INSECTICIDE	62719	442	0	Methoxyfenozide	9.43	GAL	120	22.6	2.13	GAL
GRAHAM	ORIOUS 3.6F FOLIAR FUNGICIDE	FUNGICIDE	66222	117	0	Tebuconazole	23.75	GAL	380	38.7	9.19	GAL
LA PAZ	PURSUIT HERBICIDE	HERBICIDE	241	310	0	Ammonium salt of (+/-)-2-(4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl)-5-ethyl-3-pyridinecarboxylic acid	165.28	GAL	5840.17	22.87	37.80	GAL
LA PAZ	THUNDER	HERBICIDE	42750	146	0	Ammonium salt of (+/-)-2-(4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl)-5-ethyl-3-	41.97	GAL	912.1	22.87	9.60	GAL

Table 7: Reported Use of Pesticides in Arizona by County – January 1, 2012 – December 31, 2012

County	Product Brand Name	Type	EPA1	EPA2	EPA3	Active Ingredient	Chemical Totals	Units	Acres	%AI	Total AI Applied	Units
						pyridinecarboxylic acid						
LA PAZ	QUADRI FLOWABLE FUNGICIDE	FUNGICIDE	100	1098	0	Azoxystrobin	95.19	GAL	1410.07	22.9	21.80	GAL
LA PAZ	CLARITY HERBICIDE	HERBICIDE	7969	137	0	Benzoic acid, 3,6-dichloro-2-methoxy-, compd with 2-(2-aminoethoxy)ethanol (1:1)	7.93	GAL	253.8	56.8	4.50	GAL
La Paz	AIM EC HERBICIDE	HERBICIDE	279	3241	0	Carfentrazone-ethyl	1.77	GAL	210	22.3	0.40	GAL
LA PAZ	FORUM FUNGICIDE	FUNGICIDE	241	427	0	Dimethomorph	10.76	GAL	229.54	43.5	4.68	GAL
LA PAZ	ACETO 2,4-DB200 HERBICIDE	HERBICIDE	2749	516	0	Dimethylamine salt of dicamba	13.13	GAL	131	26.2	3.44	GAL
LA PAZ	VALENT VENOM INSECTICIDE	INSECTICIDE	59639	135	0	Dinotefuran	38.38	GAL	995.6	70	26.87	GAL
LA PAZ	REDI-PIK 1.5EC COTTON DEFOLIANT	DEFOLIANT	264	634	66222	Diuron	5.86	GAL	75	21.7	1.27	GAL
La Paz	REDI-PIK1.5EC COTTON DEFOLIANT	DEFOLIANT	66222	137	0	Diuron	44.08	GAL	365.4	6	2.64	GAL
LA PAZ	ADIOS COTTON DEFOLIANT	DEFOLIANT	66330	344	0	Diuron	602.23	GAL	5659.86	6	36.13	GAL
La Paz	Dupont Direx 4l herbicide	HERBICIDE	352	678	0	Diuron	39.65	GAL	1609.5	40	15.86	GAL
LA PAZ	CARBINE 50 WG INSECTICIDE	INSECTICIDE	100	1098		Flonicamid	111.99	LBS	223	50	55.99	LBS
LA PAZ	CARBINE 50 WG INSECTICIDE	INSECTICIDE	2935	50142		Flonicamid	394.20	PTS	197.1	50	197.10	PTS
LA PAZ	CARBINE 50 WG INSECTICIDE	INSECTICIDE	34704	50035		Flonicamid	872.09	PTS	457	50	436.05	PTS
LA PAZ	CARBINE 50 WG INSECTICIDE	INSECTICIDE	34704	50036		Flonicamid	319.99	PTS	174	50	159.99	PTS
LA PAZ	CARBINE 50 WG INSECTICIDE	INSECTICIDE	71512	9	279	Flonicamid	1194.07	LBS	6631.28	50	597.03	LBS
LA PAZ	LIBERTY 280 SL HERBICIDE	HERBICIDE	264	829	0	Glufosinate	217.55	GAL	647.6	24.5	53.30	GAL
LA PAZ	SANDEA HERBICIDE	HERBICIDE	81880	18	10163	Halosulfuron-methyl	0.08	GAL	10	75	0.06	GAL
LA PAZ	BASF BEYOND HERBICIDE/CLEARFIELD PRODUCTION SYSTEM	HERBICIDE	241	379	0	Imazamox	10.09	GAL	392.35	12.1	1.22	GAL
LA PAZ	BASF RAPTOR HERBICIDE	HERBICIDE	241	379	0	Imazamox	238.57	GAL	7477.34	12.1	28.87	GAL
LA PAZ	ADMIRE PRO SYSTEMIC PROTECTANT INSECTICIDE	INSECTICIDE	264	827	0	Imidacloprid	12.02	GAL	933.8	42.8	5.14	GAL
LA PAZ	ALIAS 2F FLOWABLE INSECTICIDE	INSECTICIDE	264	758	66222	Imidacloprid	55.05	GAL	440.4	21.4	11.78	GAL
La Paz	AMTIDE IMIDACLOPRID 2F INSECTICIDE	INSECTICIDE	83851	12	0	Imidacloprid	20.21	GAL	774.9	22.6	4.57	GAL
LA PAZ	DUPONT LANNATE SP INSECTICIDE	INSECTICIDE	352	342	0	Methomyl	90.44	LBS	266	90	81.40	LBS
LA PAZ	INTREPID 2F	INSECTICIDE	62719	442	0	Methoxyfenozide	677.56	GAL	17497.87	22.6	153.13	GAL
MARICOPA	PURSUIT HERBICIDE	HERBICIDE	241	310	0	Ammonium salt of (+/-)-2-	1187.13	GAL	8836.53	22.87	271.50	GAL

Table 7: Reported Use of Pesticides in Arizona by County – January 1, 2012 – December 31, 2012

County	Product Brand Name	Type	EPA1	EPA2	EPA3	Active Ingredient	Chemical Totals	Units	Acres	%AI	Total AI Applied	Units
						(4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl)-5-ethyl-3-pyridinecarboxylic acid						
MARICOPA	THUNDER	HERBICIDE	42750	146	0	Ammonium salt of (+/-)-2-(4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl)-5-ethyl-3-pyridinecarboxylic acid	2.93	GAL	75	22.87	0.67	GAL
MARICOPA	DUPONT CINCH ATZ LITE HERBICIDE	HERBICIDE	352	623	0	Atrazine	19.25	GAL	77	28.1	5.41	GAL
MARICOPA	AATREX 4L HERBICIDE	HERBICIDE	100	497	0	Atrazine	597.24	GAL	2162.9	42.6	254.42	GAL
MARICOPA	ATRAZINE 4L HERBICIDE	HERBICIDE	100	497	72693	Atrazine	6.00	GAL	20	42.2	2.53	GAL
MARICOPA	ATRAZINE 4L HERBICIDE	HERBICIDE	34704	69	0	Atrazine	123.06	GAL	432	42.2	51.93	GAL
MARICOPA	ATRAZINE 4L HERBICIDE	HERBICIDE	66222	36	0	Atrazine	150.00	GAL	520.9	42.2	63.30	GAL
MARICOPA	DREXEL ATRAZINE 4L HERBICIDE	HERBICIDE	19713	11	0	Atrazine	289.44	GAL	1004.8	42.2	122.15	GAL
MARICOPA	ABOUND FLOWABLE FUNGICIDE	FUNGICIDE	100	1098	0	Azoxystrobin	129.71	GAL	1478.4	20.6	26.72	GAL
MARICOPA	QUADRIIS FLOWABLE FUNGICIDE	FUNGICIDE	100	1098	0	Azoxystrobin	491.77	GAL	5807.01	22.9	112.62	GAL
MARICOPA	AGRI SOLUTIONS STERLING BLUE HERBICIDE	HERBICIDE	7969	137	1381	Benzoic acid, 3,6-dichloro-2-methoxy-, compd with 2-(2-aminoethoxy)ethanol (1:1)	5.00	GAL	130.7	56.8	2.84	GAL
MARICOPA	CLARITY HERBICIDE	HERBICIDE	7969	137	0	Benzoic acid, 3,6-dichloro-2-methoxy-, compd with 2-(2-aminoethoxy)ethanol (1:1)	2210.16	GAL	2028.1	56.8	1255.37	GAL
Maricopa	DETONATE HERBICIDE	HERBICIDE	7969	137	55467	Benzoic acid, 3,6-dichloro-2-methoxy-, compd with 2-(2-aminoethoxy)ethanol (1:1)	16.38	GAL	121	56.8	9.30	GAL
MARICOPA	SEVIN 5 BAIT	INSECTICIDE	2935	366	0	Carbaryl	3014.28	LBS	378.5	5	150.71	LBS
MARICOPA	AIM EC HERBICIDE	HERBICIDE	279	3241	0	Carfentrazone-ethyl	0.55	GAL	130	22.3	0.12	GAL
MARICOPA	BESIEGE INSECTICIDE	INSECTICIDE	100	1402	0	Chlorantraniliprole	108.74	GAL	1956.5	9.26	10.07	GAL
MARICOPA	DUPONT CORAGEN INSECT CONTROL	INSECTICIDE	352	729	0	Chlorantraniliprole	14.12	GAL	368.4	18.4	2.60	GAL
MARICOPA	ACETO 2,4-DB200 HERBICIDE	HERBICIDE	2749	516	0	Dimethylamine salt of	85.40	GAL	513	26.2	22.37	GAL

Table 7: Reported Use of Pesticides in Arizona by County – January 1, 2012 – December 31, 2012												
County	Product Brand Name	Type	EPA1	EPA2	EPA3	Active Ingredient	Chemical Totals	Units	Acres	%AI	Total AI Applied	Units
						dicamba						
MARICOPA	VALENT VENOM INSECTICIDE	INSECTICIDE	59639	135	0	Dinotefuran	178.12	GAL	4392.45	70	124.69	GAL
MARICOPA	REDI-PIK 1.5EC COTTON DEFOLIANT	DEFOLIANT	264	634	66222	Diuron	129.15	GAL	1666.2	21.7	28.03	GAL
Maricopa	REDI-PIK1.5EC COTTON DEFOLIANT	DEFOLIANT	66222	137	0	Diuron	335.42	GAL	4452.5	6	20.13	GAL
MARICOPA	ADIOS COTTON DEFOLIANT	DEFOLIANT	66330	344	0	Diuron	144.87	GAL	2235.9	6	8.69	GAL
MARICOPA	DREXEL DIURON 4L	HERBICIDE	19713	36	0	Diuron	196.24	GAL	916.6	40	78.50	GAL
MARICOPA	THIODAN 3 EC INSECTICIDE (SLN AZ-930014)	INSECTICIDE	279	2924	0	Endosulfan	24.12	GAL	114	33.3	8.03	GAL
MARICOPA	THIONEX 3EC	INSECTICIDE	66222	63	0	Endosulfan	89.00	GAL	356	33.7	29.99	GAL
MARICOPA	BELEAF 50SG INSECTICIDE	INSECTICIDE	71512	10	279	Flonicamid	12.02	LBS	72	50	6.01	LBS
MARICOPA	CARBINE 50 WG INSECTICIDE	INSECTICIDE	71512	9	279	Flonicamid	3986.05	LBS	24403.62	50	1993.03	LBS
MARICOPA	ISK BIOSCIENCE BELEAF 50SG INSECTICIDE	INSECTICIDE	71512	10	0	Flonicamid	10.50	LBS	62	50	5.25	LBS
Maricopa	BASF BEYOND HERBICIDE/CLEARFIELD PRODUCTION SYSTEM	HERBICIDE	241	379	0	Imazamox	1130.56	GAL	945.1	12.1	136.80	GAL
MARICOPA	BASF RAPTOR HERBICIDE	HERBICIDE	241	379	0	Imazamox	384.07	GAL	10494.67	12.1	46.47	GAL
MARICOPA	ADMIRE 2 FLOWABLE INSECTICIDE (SLN AZ-040003)	INSECTICIDE	264	758	0	Imidacloprid	13.36	GAL	106.9	21.4	2.86	GAL
MARICOPA	ADMIRE PRO SYSTEMIC PROTECTANT INSECTICIDE	INSECTICIDE	264	827	0	Imidacloprid	6.60	GAL	654.5	42.8	2.82	GAL
MARICOPA	ALIAS 2F FLOWABLE INSECTICIDE	INSECTICIDE	264	758	66222	Imidacloprid	68.95	GAL	551.6	21.4	14.76	GAL
MARICOPA	LEVERAGE 2.7 SUSPENSION EMULSION INSECTICIDE	INSECTICIDE	264	770	0	Imidacloprid	3.95	GAL	133	0.24	0.01	GAL
MARICOPA	LEVERAGE 360 INSECTICIDE	INSECTICIDE	264	1104	0	Imidacloprid	13.69	GAL	620.65	0.24	0.03	GAL
MARICOPA	REVUS	FUNGICIDE	100	1254	0	Mandipropamide Technical	51.52	GAL	831.36	23.3	12.00	GAL
MARICOPA	DUPONT LANNATE SP INSECTICIDE	INSECTICIDE	352	342	0	Methomyl	9186.04	LBS	4311.1	90	8267.44	LBS
MARICOPA	INTREPID 2F	INSECTICIDE	62719	442	0	Methoxyfenozide	2491.87	GAL	13350.65	22.6	563.16	GAL
MARICOPA	TRICOR DF 75% DRY FLOWABLE HERBICIDE	HERBICIDE	70506	103	0	Metribuzin	7.04	LBS	168	75	5.28	LBS
MARICOPA	DUPONT ACCENT Q HERBICIDE	HERBICIDE	352	773	0	Nicosulfuron	1.49	LBS	26.4	54.5	0.81	LBS
MARICOPA	DUPONT™ PASTORA® HERBICIDE	HERBICIDE	352	819	0	Nicosulfuron	10.75	LBS	162	56.2	6.04	LBS
MARICOPA	COTTON PRO	HERBICIDE	66222	15	0	Prometryn	273.01	GAL	1933.1	44	120.12	GAL
MARICOPA	VEGETABLE PRO HERBICIDE	HERBICIDE	66222	15	0	Prometryn	3.53	GAL	23.5	44	1.55	GAL

Table 7: Reported Use of Pesticides in Arizona by County – January 1, 2012 – December 31, 2012

County	Product Brand Name	Type	EPA1	EPA2	EPA3	Active Ingredient	Chemical Totals	Units	Acres	%AI	Total AI Applied	Units
MOHAVE	PURSUIT HERBICIDE	HERBICIDE	241	310	0	Ammonium salt of (+/-)-2-(4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl)-5-ethyl-3-pyridinecarboxylic acid	3.00	GAL	146.8	22.87	0.69	GAL
MOHAVE	ACETO 2,4-DB200 HERBICIDE	HERBICIDE	2749	516	0	Dimethylamine salt of dicamba	17.51	GAL	146.8	26.2	4.59	GAL
MOHAVE	SANDEA HERBICIDE	HERBICIDE	81880	18	10163	Halosulfuron-methyl	105.00	LBS	140	75	78.75	LBS
MOHAVE	INTREPID 2F	INSECTICIDE	62719	442	0	Methoxyfenozide	14.62	GAL	505.9	22.6	3.30	GAL
PIMA	PURSUIT HERBICIDE	HERBICIDE	241	310	0	Ammonium salt of (+/-)-2-(4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl)-5-ethyl-3-pyridinecarboxylic acid	1.76	GAL	45	22.87	0.40	GAL
PIMA	DREXEL ATRAZINE 4L HERBICIDE	HERBICIDE	19713	11	0	Atrazine	22.50	GAL	120	42.2	9.50	GAL
PIMA	QUADRIIS FLOWABLE FUNGICIDE	FUNGICIDE	100	1098	0	Azoxystrobin	5.00	GAL	50	22.9	1.15	GAL
PIMA	CLARITY HERBICIDE	HERBICIDE	7969	137	0	Benzoic acid, 3,6-dichloro-2-methoxy-, compd with 2-(2-aminoethoxy)ethanol (1:1)	19.38	GAL	310	56.8	11.01	GAL
PIMA	AIM EC HERBICIDE	HERBICIDE	279	3241	0	Carfentrazone-ethyl	4.64	GAL	618	22.3	1.03	GAL
PIMA	VALENT VENOM INSECTICIDE	INSECTICIDE	59639	135	0	Dinotefuran	3.13	GAL	130	70	2.19	GAL
PIMA	REDI-PIK 1.5EC COTTON DEFOLIANT	DEFOLIANT	264	634	66222	Diuron	279.43	GAL	4489.3	21.7	60.64	GAL
PIMA	CARBINE 50 WG INSECTICIDE	INSECTICIDE	71512	9	279	Flonicamid	366.80	GAL	131	50	183.40	GAL
PIMA	CARBINE 50 WG INSECTICIDE	INSECTICIDE	71512	9	279	Flonicamid	663.00	LBS	3813.6	50	331.50	LBS
PIMA	COTTON PRO	HERBICIDE	66222	15	0	Prometryn	219.00	GAL	876	44	96.36	GAL
PIMA	VEGETABLE PRO HERBICIDE	HERBICIDE	66222	15	0	Prometryn	184.90	GAL	522	44	81.36	GAL
PINAL	FULFILL INSECTICIDE	INSECTICIDE	100	912	0	1,2,4-Triazin-3(2H)-one, 4,5-dihydro-6-methyl-4-{{3-pyridinylmethylene)amino}-, (E)-	231.25	LBS	925	50	115.63	LBS
PINAL	PURSUIT HERBICIDE	HERBICIDE	241	310	0	Ammonium salt of (+/-)-2-(4,5-dihydro-4-methyl-4-(1-	1006.82	GAL	11891.73	22.87	230.26	GAL

Table 7: Reported Use of Pesticides in Arizona by County – January 1, 2012 – December 31, 2012												
County	Product Brand Name	Type	EPA1	EPA2	EPA3	Active Ingredient	Chemical Totals	Units	Acres	%AI	Total AI Applied	Units
						methylethyl)-5-oxo-1H-imidazol-2-yl)-5-ethyl-3-pyridinecarboxylic acid						
PINAL	AATREX 4L HERBICIDE	HERBICIDE	100	497	0	Atrazine	465.20	GAL	4064.8	42.6	198.17	GAL
PINAL	ATRAZINE 4L HERBICIDE	HERBICIDE	100	497	0	Atrazine	75.00	GAL	199.75	42.2	31.65	GAL
PINAL	ATRAZINE 4L HERBICIDE	HERBICIDE	34704	69	0	Atrazine	12.00	GAL	40	42.2	5.06	GAL
PINAL	ATRAZINE 4L HERBICIDE	HERBICIDE	66222	36	0	Atrazine	62.88	GAL	345	42.2	26.53	GAL
PINAL	ABOUND FLOWABLE FUNGICIDE	FUNGICIDE	10182	415	0	Azoxystrobin	5.00	GAL	48.3	20.6	1.03	GAL
PINAL	QUADRIIS FLOWABLE FUNGICIDE	FUNGICIDE	100	1098	0	Azoxystrobin	97.28	GAL	999.26	22.9	22.28	GAL
PINAL	CLARITY HERBICIDE	HERBICIDE	7969	137	0	Benzoic acid, 3,6-dichloro-2-methoxy-, compd with 2-(2-aminoethoxy)ethanol (1:1)	664.73	GAL	3062.71	56.8	377.57	GAL
PINAL	STRUT HERBICIDE	HERBICIDE	34704	1043	0	Benzoic acid, 3,6-dichloro-2-methoxy-, compd with 2-(2-aminoethoxy)ethanol (1:1)	4359.94	GAL	1120	56.8	2476.45	GAL
PINAL	SEVIN 5 BAIT	INSECTICIDE	2935	366	0	Carbaryl	3240.00	LBS	162	5	162.00	LBS
PINAL	SEVIN SL CARBARYL INSECTICIDE	INSECTICIDE	432	1227	0	Carbaryl	5.00	GAL	40	43	2.15	GAL
PINAL	AIM EC HERBICIDE	HERBICIDE	279	3241	0	Carfentrazone-ethyl	1009.09	GAL	10564.3	22.3	225.03	GAL
PINAL	BESIEGE INSECTICIDE	INSECTICIDE	100	1402	0	Chlorantraniliprole	3932.73	GAL	1309.8	9.26	364.17	GAL
PINAL	ACETO 2,4-DB200 HERBICIDE	HERBICIDE	2749	516	0	Dimethylamine salt of dicamba	62.78	GAL	275.6	26.2	16.45	GAL
PINAL	VALENT VENOM INSECTICIDE	INSECTICIDE	59639	135	0	Dinotefuran	3.34	GAL	71.21	70	2.34	GAL
PINAL	VALENT VENOM INSECTICIDE	INSECTICIDE	59639	138	0	Dinotefuran	8.06	GAL	510.4	70	5.64	GAL
PINAL	REDI-PIK 1.5EC COTTON DEFOLIANT	DEFOLIANT	264	634	66222	Diuron	9442.77	GAL	13729.55	21.7	2049.08	GAL
PINAL	REDI-PIK1.5EC COTTON DEFOLIANT	DEFOLIANT	66222	137	0	Diuron	1383.50	GAL	10903.77	6	83.01	GAL
PINAL	DIURON 4L HERBICIDE	HERBICIDE	34704	854	0	Diuron	171.45	GAL	685.8	40	68.58	GAL
PINAL	DREXEL DIURON 4L	HERBICIDE	19713	36	0	Diuron	761.85	GAL	2708.8	40	304.74	GAL
PINAL	Dupont Direx 4l herbicide	HERBICIDE	352	678	0	Diuron	277.20	GAL	1108.8	40	110.88	GAL
PINAL	DENIM INSECTICIDE	INSECTICIDE	100	903	0	Emamectin benzoate	31.88	GAL	408	2.15	0.69	GAL
PINAL	CARBINE 50 WG INSECTICIDE	INSECTICIDE	71512	9	279	Flonicamid	22518.48	GAL	3754	50	11259.24	GAL
PINAL	CARBINE 50 WG INSECTICIDE	INSECTICIDE	71512	9	279	Flonicamid	19898.11	LBS	106533.4	50	9949.06	LBS

Table 7: Reported Use of Pesticides in Arizona by County – January 1, 2012 – December 31, 2012												
County	Product Brand Name	Type	EPA1	EPA2	EPA3	Active Ingredient	Chemical Totals	Units	Acres	%AI	Total AI Applied	Units
PINAL	CARBINE 50 WG INSECTICIDE	INSECTICIDE	71512	9	279	Flonicamid	6179.20	PTS	3362.1	50	3089.60	PTS
PINAL	CARBINE 50 WG INSECTICIDE	INSECTICIDE	71512	9	279	Flonicamid	1575.33	QTS	650.6	50	787.67	QTS
PINAL	LIBERTY 280 SL HERBICIDE	HERBICIDE	264	829	0	Glufosinate	4187.80	GAL	757.62	24.5	1026.01	GAL
PINAL	BASF BEYOND HERBICIDE/CLEARFIELD PRODUCTION SYSTEM	HERBICIDE	241	310	0	Imazamox	130.00	GAL	65	12.1	15.73	GAL
PINAL	BASF BEYOND HERBICIDE/CLEARFIELD PRODUCTION SYSTEM	HERBICIDE	241	379	0	Imazamox	1130.77	GAL	2204.8	12.1	136.82	GAL
PINAL	BASF RAPTOR HERBICIDE	HERBICIDE	241	379	0	Imazamox	636.58	GAL	13326.13	12.1	77.03	GAL
PINAL	PURSUIT DG HERBICIDE ECO-PA WATER SOLUBLE PACKETS	HERBICIDE	241	350	0	Imazethapyr	8.00	LBS	60	70	5.60	LBS
PINAL	OSPREY HERBICIDE	HERBICIDE	264	802	0	Mesosulfuron-methyl	419.56	LBS	1564.87	4.5	18.88	LBS
PINAL	INTREPID 2F	INSECTICIDE	62719	442	0	Methoxyfenozide	459.94	GAL	8216.67	22.6	103.95	GAL
PINAL	VYDATE L INSECTICIDE/NEMATICIDE	INSECTICIDE	352	372	0	Oxamyl	52.50	GAL	105	24	12.60	GAL
PINAL	CAPAROL 4L HERBICIDE	HERBICIDE	100	620	0	Prometryn	636.90	GAL	2408.3	44.4	282.78	GAL
PINAL	COTTON PRO	HERBICIDE	66222	15	0	Prometryn	505.54	GAL	1222.3	44	222.44	GAL
PINAL	VEGETABLE PRO HERBICIDE	HERBICIDE	66222	15	0	Prometryn	36.28	GAL	145.1	44	15.96	GAL
YAVAPAI	VALENT VENOM INSECTICIDE	INSECTICIDE	59639	135	0	Dinotefuran	5.23	GAL	111.6	70	3.66	GAL
YUMA	ACTIGARD 50 WG PLANT ACTIVATOR	MILDEWSTAT	100	922	0	1,2,3-Benzothiadiazole-7-carbothioic acid, S-methyl ester	163.09	LBS	3433.79	50	81.54	LBS
YUMA	BLOCKADE 50WG PLANT ACTIVATOR	FUNGICIDE	100	922	0	1,2,3-Benzothiadiazole-7-carbothioic acid, S-methyl ester	141.82	LBS	3031.35	50	70.91	LBS
YUMA	FULFILL INSECTICIDE	INSECTICIDE	100	912	0	1,2,4-Triazin-3(2H)-one, 4,5-dihydro-6-methyl-4-{{(3-pyridinylmethylene)amino}-, (E)-	313.23	LBS	1934.31	50	156.62	LBS
YUMA	AGRSOULUTIONS E-99	HERBICIDE	1381	195	0	2,4-D, butoxyethyl ester	1.75	GAL	38	87.4	1.53	GAL
YUMA	PURSUIT HERBICIDE	HERBICIDE	241	310	0	Ammonium salt of (+/-)-2-(4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-	508.73	GAL	3686.71	22.87	116.35	GAL

Table 7: Reported Use of Pesticides in Arizona by County – January 1, 2012 – December 31, 2012

County	Product Brand Name	Type	EPA1	EPA2	EPA3	Active Ingredient	Chemical Totals	Units	Acres	%AI	Total AI Applied	Units
						imidazol-2-yl)-5-ethyl-3-pyridinecarboxylic acid						
YUMA	THUNDER	HERBICIDE	42750	146	0	Ammonium salt of (+/-)-2-(4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl)-5-ethyl-3-pyridinecarboxylic acid	9.61	GAL	393	22.87	2.20	GAL
YUMA	AATREX 4L HERBICIDE	HERBICIDE	100	497	0	Atrazine	64.05	GAL	256.2	42.6	27.29	GAL
YUMA	DYNASTY EXTREME FUNGICIDE	FUNGICIDE	100	1284	0	Azoxystrobin	95.48	LBS	193.67	8.3	7.92	LBS
YUMA	ABOUND FLOWABLE FUNGICIDE	FUNGICIDE	100	1098	0	Azoxystrobin	22.34	GAL	207.6	20.6	4.60	GAL
YUMA	QUADRIIS FLOWABLE FUNGICIDE	FUNGICIDE	100	1098	0	Azoxystrobin	166.34	GAL	1562.75	22.9	38.09	GAL
YUMA	CLARITY HERBICIDE	HERBICIDE	7969	137	0	Benzoic acid, 3,6-dichloro-2-methoxy-, compd with 2-(2-aminoethoxy)ethanol (1:1)	283.82	GAL	1767.79	56.8	161.21	GAL
YUMA	CARBARYL CUTWORM BAIT	INSECTICIDE	11656	21	0	Carbaryl	250.00	LBS	10	5	12.50	LBS
YUMA	GOWAN SEVIN BAIT AGRICULTURE POISON BAIT	INSECTICIDE	10163	32	0	Carbaryl	2250.04	LBS	125	5	112.50	LBS
YUMA	SEVIN BRAND XLR PLUS CARBARYL INSECTICIDE	INSECTICIDE	264	333	0	Carbaryl	17.48	GAL	37.6	44.1	7.71	GAL
YUMA	AIM EC HERBICIDE	HERBICIDE	279	3241	0	Carfentrazone-ethyl	122.76	GAL	11168.36	22.3	27.38	GAL
YUMA	AIM EW HERBICIDE	HERBICIDE	279	3242	0	Carfentrazone-ethyl	0.05	GAL	12	21.3	0.01	GAL
YUMA	VOLIAM XPRESS INSECTICIDE	INSECTICIDE	100	1320	0	Chlorantraniliprole	11236.97	GAL	17171.55	21.7	2438.42	GAL
YUMA	VOLIAM XPRESS INSECTICIDE	INSECTICIDE	100	1320	0	Chlorantraniliprole	35.99	LBS	37.8	21.7	7.81	LBS
YUMA	DUPONT CORAGEN INSECT CONTROL	INSECTICIDE	352	729	0	Chlorantraniliprole	393.13	GAL	9474.42	18.4	72.34	GAL
YUMA	OVERDRIVE HERBICIDE	HERBICIDE	7969	150	0	Dicamba, sodium salt	20.00	LBS	25.4	55	11.00	LBS
YUMA	FORUM FUNGICIDE	FUNGICIDE	241	427	0	Dimethomorph	1406.25	GAL	29111.39	43.5	611.72	GAL
YUMA	ACETO 2,4-DB200 HERBICIDE	HERBICIDE	2749	516	0	Dimethylamine salt of dicamba	2315.00	GAL	166.3	26.2	606.53	GAL
YUMA	SCORPION™ 35SL INSECTICIDE	INSECTICIDE	10163	317	0	Dinotefuran	2342.20	GAL	2234.9	35	819.77	GAL
YUMA	VALENT VENOM INSECTICIDE	INSECTICIDE	59639	135	0	Dinotefuran	178.60	GAL	5103.07	70	125.02	GAL
YUMA	VALENT VENOM INSECTICIDE	INSECTICIDE	59639	135	0	Dinotefuran	246.30	LBS	481.97	70	172.41	LBS

Table 7: Reported Use of Pesticides in Arizona by County – January 1, 2012 – December 31, 2012

County	Product Brand Name	Type	EPA1	EPA2	EPA3	Active Ingredient	Chemical Totals	Units	Acres	%AI	Total AI Applied	Units
YUMA	REDI-PIK 1.5EC COTTON DEFOLIANT	DEFOLIANT	264	634	66222	Diuron	272.93	GAL	3584.9	21.7	59.22	GAL
YUMA	REDI-PIK1.5EC COTTON DEFOLIANT	DEFOLIANT	66222	137	0	Diuron	629.29	GAL	8294.66	6	37.76	GAL
YUMA	Dupont Karmex XP Herbicide	HERBICIDE	352	692	0	Diuron	12.90	LBS	43	80	10.32	LBS
YUMA	PROCLAIM INSECTICIDE	INSECTICIDE	100	904	0	Emamectin benzoate	544.30	GAL	10	5	27.22	GAL
YUMA	PROCLAIM INSECTICIDE	INSECTICIDE	100	904	0	Emamectin benzoate	4224.96	LBS	17078.9	5	211.25	LBS
YUMA	PROCLAIM INSECTICIDE	INSECTICIDE	100	904	0	Emamectin benzoate	89.89	QTS	24.9	5	4.49	QTS
YUMA	THIODAN WSB INSECTICIDE	INSECTICIDE	279	3129	0	Endosulfan	2.00	LBS	10	50	1.00	LBS
YUMA	THIONEX 3EC	INSECTICIDE	66222	63	0	Endosulfan	1659.01	GAL	4816.94	33.7	559.09	GAL
YUMA	BELEAF 50SG INSECTICIDE	INSECTICIDE	71512	10	279	Flonicamid	1017.02	LBS	6157.38	50	508.51	LBS
YUMA	CARBINE 50 WG INSECTICIDE	INSECTICIDE	71512	9	279	Flonicamid	2443.06	GAL	122.78	50	1221.53	GAL
YUMA	CARBINE 50 WG INSECTICIDE	INSECTICIDE	71512	9	279	Flonicamid	1105.03	LBS	6079.2	50	552.52	LBS
YUMA	CARBINE 50 WG INSECTICIDE	INSECTICIDE	71512	9	279	Flonicamid	100.08	PTS	72	50	50.04	PTS
YUMA	ISK BIOSCIENCE BELEAF 50SG INSECTICIDE	INSECTICIDE	71512	10	0	Flonicamid	166.87	LBS	968.63	50	83.43	LBS
YUMA	SANDEA HERBICIDE	HERBICIDE	81880	18	10163	Halosulfuron-methyl	2.33	GAL	263.6	75	1.74	GAL
YUMA	SANDEA HERBICIDE	HERBICIDE	81880	18	10163	Halosulfuron-methyl	11.48	LBS	204	75	8.61	LBS
YUMA	BASF BEYOND HERBICIDE/CLEARFIELD PRODUCTION SYSTEM	HERBICIDE	241	379	0	Imazamox	406.54	GAL	435.46	12.1	49.19	GAL
YUMA	BASF RAPTOR HERBICIDE	HERBICIDE	241	379	0	Imazamox	143.30	GAL	4059.21	12.1	17.34	GAL
YUMA	SWAGGER	INSECTICIDE	34704	1045	0	Imidacloprid	2.50	GAL	40	5.7	0.14	GAL
YUMA	ADMIRE 2 FLOWABLE INSECTICIDE (SLN AZ-040003)	INSECTICIDE	264	758	0	Imidacloprid	45.28	GAL	250.1	21.4	9.69	GAL
YUMA	ADMIRE PRO SYSTEMIC PROTECTANT INSECTICIDE	INSECTICIDE	264	827	0	Imidacloprid	628.37	GAL	8236.1	42.8	268.94	GAL
YUMA	ALIAS 2F FLOWABLE INSECTICIDE	INSECTICIDE	264	758	66222	Imidacloprid	1646.57	GAL	8830.91	21.4	352.37	GAL
YUMA	BRIGADIER INSECTICIDE	INSECTICIDE	279	3332	0	Imidacloprid	1.32	GAL	27.7	11.3	0.15	GAL
YUMA	LEVERAGE 360 INSECTICIDE	INSECTICIDE	264	1104	0	Imidacloprid	18.41	GAL	802.34	0.24	0.04	GAL
YUMA	MACHO 2.0 FL	INSECTICIDE	42750	110	0	Imidacloprid	508.29	GAL	2967.32	21.4	108.77	GAL
YUMA	MONTANA INSECTICIDE	INSECTICIDE	83100	7	83979	Imidacloprid	586.02	GAL	3185.78	21.4	125.41	GAL
YUMA	NUPRID 2SC SOIL/FOLIAR INSECTICDE	INSECTICIDE	228	572	0	Imidacloprid	160.28	GAL	1363.22	21.4	34.30	GAL
YUMA	PREY 1.6 INSECTICIDE	INSECTICIDE	34704	894	0	Imidacloprid	0.44	GAL	14.9	17.4	0.08	GAL
YUMA	PRIMERAONE IMIDACLOPRID 2F TURF &	INSECTICIDE	66222	203	0	Imidacloprid	16.22	GAL	86.5	21.4	3.47	GAL

Table 7: Reported Use of Pesticides in Arizona by County – January 1, 2012 – December 31, 2012

County	Product Brand Name	Type	EPA1	EPA2	EPA3	Active Ingredient	Chemical Totals	Units	Acres	%AI	Total AI Applied	Units
	ORNAMENTAL INSECTICIDE											
YUMA	PROVADO 1.6 FLOWABLE INSECTICIDE	INSECTICIDE	264	763	0	Imidacloprid	1.39	GAL	49.74	17.4	0.24	GAL
YUMA	QUALI-PRO IMIDACLOPRID 2F TURF & ORNAMENTAL INSECTICIDE	INSECTICIDE	66222	203	0	Imidacloprid	21.21	GAL	123.7	21.4	4.54	GAL
YUMA	QUALI-PRO IMIDACLOPRID 75 WSB	INSECTICIDE	66222	199	0	Imidacloprid	79.99	LBS	71.1	75	59.99	LBS
YUMA	WRANGLER INSECTICIDE	INSECTICIDE	34704	931	0	Imidacloprid	600.98	GAL	5052.1	40.7	244.60	GAL
YUMA	DUPONT LOROX DF HERBICIDE	HERBICIDE	352	686	0	Linuron	232.04	LBS	225.3	50	116.02	LBS
YUMA	LOROX® DF HERBICIDE	HERBICIDE	61842	23	0	Linuron	125.74	LBS	100.4	50	62.87	LBS
YUMA	REVUS	FUNGICIDE	100	1254	0	Mandipropamide Technical	2407.20	GAL	36090.84	23.3	560.88	GAL
YUMA	DUPONT MANEX FUNGICIDE	FUNGICIDE	352	655	0	Maneb	16.98	GAL	45	37	6.28	GAL
YUMA	MANEB 75DF DRY FLOWABLE FUNGICIDE	FUNGICIDE	70506	186	0	Maneb	368.38	LBS	126.1	75	276.29	LBS
YUMA	OSPREY HERBICIDE	HERBICIDE	264	802	0	Mesosulfuron-methyl	5.34	LBS	18	4.5	0.24	LBS
YUMA	DUPONT LANNATE SP INSECTICIDE	INSECTICIDE	352	342	0	Methomyl	26831.27	LBS	29650.72	90	24148.15	LBS
YUMA	DUPONT LANNATE SP INSECTICIDE	INSECTICIDE	70506	9	0	Methomyl	6.50	LBS	13	90	5.85	LBS
YUMA	INTREPID 2F	INSECTICIDE	62719	442	0	Methoxyfenozide	4546.67	GAL	18138.01	22.6	1027.55	GAL
YUMA	DUPONT™ PASTORA® HERBICIDE	HERBICIDE	352	819	0	Nicosulfuron	162.75	LBS	424.8	56.2	91.46	LBS
YUMA	VYDATE L INSECTICIDE/NEMATICIDE	INSECTICIDE	352	372	0	Oxamyl	344.46	GAL	980.9	24	82.67	GAL
YUMA	CAPAROL 4L HERBICIDE	HERBICIDE	100	620	0	Prometryn	108.96	GAL	331.38	44.4	48.38	GAL
YUMA	COTTON PRO	HERBICIDE	66222	15	0	Prometryn	161.02	GAL	76.15	44	70.85	GAL
YUMA	GOWAN PROMETRYNE 4L HERBICIDE	HERBICIDE	10163	94	0	Prometryn	43.95	GAL	125.8	44.4	19.51	GAL
Legend:												
H = Herbicide		F = Fungicide			O = Ovicides			R = Regulator				
I = Insecticide		M = Miticides			N = Nematicide			D = Defoliant				