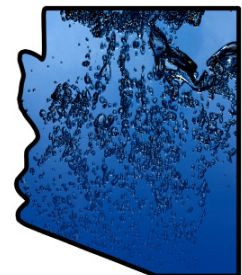
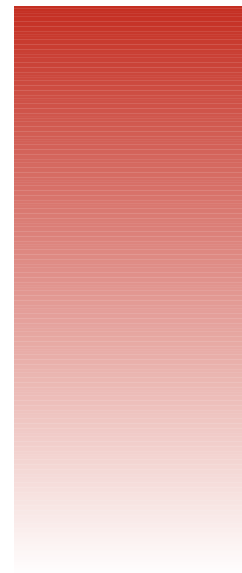




Janet Napolitano, Governor  
Stephen A. Owens, ADEQ Director

# 2007 PESTICIDES ANNUAL REPORT

(A.R.S. 49-303.B)



## ***Pesticide Contamination Prevention Program Report*** ***A.R.S. § 49-303.C***

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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 eliminate groundwater contamination 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, 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 generate the Groundwater Protection List (GWPL).
- 2) Groundwater Protection List – The GWPL is a list of agricultural pesticides that have the potential to contaminate the groundwater based on product chemistry and environmental fate data and the monitoring results of the corresponding active ingredients.
- 3) Monitoring – ADEQ, in cooperation with the Arizona Department of Agriculture, 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 soil applied agricultural pesticides on the GWPL.

This report which covers calendar year 2006 is in fulfillment of a final requirement pursuant to A.R.S. § 49-303.C that ADEQ shall report the following information to the legislature annually:

- 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 adopted 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 soil applied 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)**

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Pursuant to A.R.S. § 49-302, prior to registering an agricultural-use pesticide with the Arizona Department of Agriculture, applicants shall submit the product chemistry and environmental fate data of the associated active ingredients to ADEQ for review and approval. If an agricultural use pesticide is registered without ADEQ's review and approval, a groundwater protection data gap will exist. The Arizona Department of Agriculture will cancel the registration of any pesticide found to have a groundwater protection data gap.

Between 1987 when the program was first implemented and December 31, 2006, a total of 280 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 the Arizona Department of Agriculture for one or two years at a time. There is no groundwater protection data gaps for any of the active ingredients associated with the agricultural-use pesticides registered in the state for 2006.

## Specific Numeric Values (SNVs)

After ADEQ reviews and approves the product chemistry and environmental fate submittal, the data is compared with specific numeric values (SNVs), which are criteria adopted by rule. The SNVs, found at A.A.C. R18-6-103.1, are based on the Environmental Protection Agency's (EPA) criteria for identifying pesticide active ingredients that, based on mobility and persistence factors, have the potential to leach to groundwater. The SNVs are presented in Table 1.

<b>Table 1: Specific Numeric Values</b>	
<b>Property</b>	<b>SNVs</b>
<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

In November 2005, ADEQ adopted new rules (A.A.C. R18-6-103.2) in accordance with (A.R.S. § 49-303.C.3) that described procedures for alternative data submittal options. Under these options, the pesticide registrant can submit additional information in support of the pesticide registration (A.A.C. R18-6-102.C). In addition, the alternative evaluation procedure allows for consideration of new scientific approaches in determining the pollution potential of agricultural-use pesticides. The implementation of the new rules took effect in November 12, 2005.

Under this new provision in the rules, 16 new pesticide registration applications were received in 2006. Of the 16 received, 14 have been approved and 4 of these were placed on the GWPL. The entire list of the active ingredients on the 2006 GWPL is shown in Table 2.

**Table 2: Final 2006 Groundwater Protection List**

**Bold – Are ingredients that have been found in groundwater in Arizona.**

CAS Number	Chemical Name
128639-02-1	Carfentrazone-Ethyl
1702-17-6	Clopyralid
420-04-2	Cyanamide
52918-63-5	Deltamethrin
13684-56-5	Desmedipham
<b>1918-00-9</b>	<b>Dicamba</b>
<b>25059-78-3</b>	<b>Dicamba, DEA Salt</b>
<b>104040-79-1</b>	<b>Dicamba, DGA Salt</b>
<b>2300-66-5</b>	<b>Dicamba, DMA Salt</b>
<b>10007-85-9</b>	<b>Dicamba, Potassium Salt</b>
<b>1982-69-0</b>	<b>Dicamba, Sodium Salt</b>
110488-70-5	Dimethomorph
165252-70-0	Dinotefuran
<b>330-54-1</b>	<b>Diuron</b>
144-21-8	DSMA (Disodium Methanearsonate)
137512-74-4	Emamectin Benzoate
<b>115-29-7</b>	<b>Endosulfan</b>
158067-0	Flonicamid*
142459-58-3	Flufenacet (Thiafluamide)
66332-96-5	Flutolanil
77182-82-2	Glufosinate-Ammonium
112226-61-6	Halofenozide
100784-20-1	Halosulfuron-Methyl
114311-32-9	Imazamox
104098-48-8	Imazapic
81335-77-5	Imazethapyr
101917-66-2	Imazethapyr, Ammonium Salt

**Table 2: Final 2006 Groundwater Protection List**

**Bold – Are ingredients that have been found in groundwater in Arizona.**

CAS Number	Chemical Name
138261-41-3	Imidacloprid
<b>330-55-2</b>	<b>Linuron</b>
128-58-3	MAA (Methanearsonic Acid)
12427-38-2	Maneb
16484-77-8	Mecoprop-P (MCP-P)
70630-17-0	Mefenoxam
208465-21-8	Mesosulfuron-Methyl
<b>16752-77-5</b>	<b>Methomyl</b>
161050-58-4	Methoxyfenozide
<b>21087-64-9</b>	<b>Metribuzin</b>
2163-80-6	Monosodium Methanearsonate (MSMA)
111991-09-04	Nicosulfuron
<b>23135-22-0</b>	<b>Oxamyl</b>
<b>1610-78-0</b>	<b>Prometon</b>
<b>7287-19-6</b>	<b>Prometryn</b>
94125-34-5	Prosulfuron
123312-89-0	Pymetrozine
123343-16-8	Pyriithiobac Sodium
84087-01-4	Quinclorac
81591-81-3	Sulfosate
112410-23-8	Tebufenozide
153719-23-4	Thiamethoxam
117718-60-2	Thiazopyr
199119-58-9	Trifloxysulfuron-Sodium
95266-40-3	Trinexapac-Ethyl

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

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With the rule changes in November 2005, creation of the Groundwater Protection List (GWPL) and its approval process were revised. According to the new rules, each year a new draft GWPL will be developed and presented for public comment. The GWPL is composed of those agricultural-use pesticide active ingredients that fail at least one SNV from both the mobility and persistence factors, or based on the environmental fate analysis, have been determined to have the potential to pollute groundwater. The annual list will consist of additions and deletions from the previous list based on new registrations, petitions to de-list active ingredients and cancellations by the ADA. The final GWPL is published by July 1<sup>st</sup> of each year and becomes effective on December 1<sup>st</sup> of the publication year.

Prior to the changes adopted in November 2005, the GWPL was established in rule and any changes to it required formal rulemaking. In 2005, the draft GWPL was composed of 223 agricultural-use pesticide active ingredients or active ingredient groups. This included the original 152 active ingredients from the 1992 GWPL (in rule) plus all subsequent active ingredients that failed at least one SNV from both the mobility and persistence factors (Table 1) from 1992 through 2005. As a result of the new rules, ADEQ was able to remove those agricultural-use pesticides containing active ingredients that had never been detected by ADEQ's groundwater monitoring activities or had had its registration cancelled by the Arizona Department of Agriculture in accordance with A.R.S. § 49-305.C and A.A.C. R18-6-301.C.1 or C.3. The final GWPL for 2005 contained 87 active ingredients.

The final 2006 GWPL (Table 2) contained 78 approved active ingredients which was a decrease from the 87 active ingredients on the 2005 GWPL. Registration information from the Arizona Department of Agriculture shows that 451 agricultural-use pesticides containing 55 active ingredients on the GWPL were registered in Arizona in 2006. Table 3 identifies the agricultural use pesticides associated with each active ingredient on the 2006 GWPL.

The GWPL enables ADEQ to focus its statewide groundwater and soil monitoring activities to the active ingredients requiring monitoring and testing. If any of these pesticides 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 use patterns or may cancel the registration to prevent further contamination. At the user level, Best Management Practices (BMPs) developed by the applicator shall be implemented, when these agricultural-use pesticides on the GWPL are soil-applied, to reduce or prevent the pollution of groundwater by the associated active ingredients (A.A.C. R18-6-303.A).

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

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State statutes and rules require a pesticide user to file reports on the use of Agricultural-use pesticides on the Groundwater Protection List that are soil applied (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 Arizona Department of Agriculture prior to use, ADEQ allows the use of Form 1080 to fulfill the reporting requirement. The use information is presented in the following tables:

- Use information on agricultural-use pesticides on the GWPL from Table 3 that were intended for soil application *within* Arizona between Jan. 1, 2006 and Dec. 31, 2006 (Table 4).
- Use information on agricultural-use pesticides on the GWPL from Table 3 that were intended for soil application *within each county* in Arizona between Jan. 1, 2006 and Dec. 31, 2006 (Table 5)

A total of 77 soil-applied agricultural-use pesticides on the GWPL containing 35 different active ingredients or active ingredient groups were used in Arizona between January 1, 2006 and December 31, 2006.



**Table 3: Agricultural Pesticides on the Groundwater Protection List (GWPL)**

<b>Brand Name</b>	<b>EPA1</b>	<b>EPA2</b>	<b>EPA3</b>	<b>CAS NUMBER</b>	<b>ACTIVE INGREDIENT</b>
LOW VOL 6 ESTER WEED KILLER	34704	125		1928-43-4	2,4-D 2-Ethylhexyl Ester (Isooctyl)
TENKOZ LO-VOL 4 2,4-D LOW VOLATILE HERBICIDE	228	139	55467	1928-43-4	2,4-D 2-Ethylhexyl Ester (Isooctyl)
SAVAGE CA	34704	606		1928-43-4	2,4-D 2-Ethylhexyl Ester (Isooctyl)
SALVO POSTEMERGENCE BROADLEAF HERBICIDE	34704	609		1928-43-4	2,4-D 2-Ethylhexyl Ester (Isooctyl)
SALVO LOW VOLATILE WEED KILLER	34704	609		1928-43-4	2,4-D 2-Ethylhexyl Ester (Isooctyl)
RIVERDALE 2,4-D L.V. 6 ESTER	228	95		1928-43-4	2,4-D 2-Ethylhexyl Ester (Isooctyl)
NUFARM WEEDONE LV4 EC BROAD LEAF HERBICIDE	228	139	71368	1928-43-4	2,4-D 2-Ethylhexyl Ester (Isooctyl)
LOW VOL 6 ESTER WEED KILLER	34704	125		1928-43-4	2,4-D 2-Ethylhexyl Ester (Isooctyl)
LOW VOL 4 ESTER WEED KILLER	34704	124		1928-43-4	2,4-D 2-Ethylhexyl Ester (Isooctyl)
GORDON'S LV 400 2,4-D WEED KILLER	2217	77		1928-43-4	2,4-D 2-Ethylhexyl Ester (Isooctyl)
RIVERDALE 2,4-D L.V. 4 ESTER	228	139		1928-43-4	2,4-D 2-Ethylhexyl Ester (Isooctyl)
FORMULA 190 LIQUID WEED KILLER	10807	205	70799	1928-43-4	2,4-D 2-Ethylhexyl Ester (Isooctyl)
GORDON'S SUPER TRIMEC BROADLEAF HERBICIDE	2217	758		1928-43-4	2,4-D 2-Ethylhexyl Ester (Isooctyl)
LOW VOL 4 ESTER WEED KILLER	34704	124		1928-43-4	2,4-D 2-Ethylhexyl Ester (Isooctyl)
ALLPRO BK32 BRUSH KILLER	228	186	769	1928-43-4	2,4-D 2-Ethylhexyl Ester (Isooctyl)
TENKOZ LO-VOL 4 SOLVENTLESS HERBICIDE	71368	14	55467	94-75-7	2,4-D Acid
NUFARM WEEDONE 638 BROADLEAF HERBICIDE	71368	3		94-75-7	2,4-D Acid
NUFARM RECOIL BROAD SPECTRUM HERBICIDE	71368	35		94-75-7	2,4-D Acid
PATHWAY	62719	31		94-75-7	2,4-D Acid
TENKOZ LO-VOL 6 2,4-D LOW VOLATILE HERBICIDE	71368	11	55467	94-75-7	2,4-D Acid
TENKOZ AMINE 4 2,4-D HERBICIDE	71368	1	55467	94-75-7	2,4-D Acid
AGRSOLUTIONS E-99	62719	365	1381	94-75-7	2,4-D Acid
AGRSOLUTIONS PHENOXY 088	42750	36	9779	94-75-7	2,4-D Acid
CAMPAIGN HERBICIDE	524	351		94-75-7	2,4-D Acid
HARD BALL	5905	549		94-75-7	2,4-D Acid

**Table 3: Agricultural Pesticides on the Groundwater Protection List (GWPL)**

Brand Name	CAS			ACTIVE INGREDIENT	
	EPA1	EPA2	EPA3		
HELENA 2010	5905	542		94-75-7	2,4-D Acid
LANDMASTER BW	524	351		94-75-7	2,4-D Acid
UNISON	5905	542		94-75-7	2,4-D Acid
TURFLON D	62719	67		1929-73-3	2,4-D Butoxyethyl Ester
AGRSOLUTIONS PHENOXY 088	42750	36	9779	94-80-4	2,4-D Butyl Ester+C50
GORDON'S PASTURE PRO HERBICIDE	2217	703		5742-19-8	2,4-D Diethanolamine Salt
SAVAGE DRY SOLUBLE HERBICIDE	34704	606		2008-39-1	2,4-D Dimethylamine Salt
NUFARM WEEDAR 64 BROADLEAF HERBICIDE	71368	1		2008-39-1	2,4-D Dimethylamine Salt
PRO-MATE THREE-WAY CS	2217	493	5905	2008-39-1	2,4-D Dimethylamine Salt
RIFLE-D HERBICIDE	34704	869		2008-39-1	2,4-D Dimethylamine Salt
RIVERDALE ESCALADE	228	417		2008-39-1	2,4-D Dimethylamine Salt
RIVERDALE SOLUTION WATER SOLUBLE	228	260		2008-39-1	2,4-D Dimethylamine Salt
RIVERDALE TRIPLET SF SELECTIVE HERBICIDE	228	312		2008-39-1	2,4-D Dimethylamine Salt
RIVERDALE WEEDESTROY AM-40 AMINE SALT	228	145		2008-39-1	2,4-D Dimethylamine Salt
WEEDKING HERBICIDE	70907	20	53883	2008-39-1	2,4-D Dimethylamine Salt
SABER HERBICIDE	34704	803		2008-39-1	2,4-D Dimethylamine Salt
GORDON'S TRIMEC TURF HERBICIDE	2217	517		2008-39-1	2,4-D Dimethylamine Salt
STRIKE 3 ULTRA 2 SELECTIVE HERBICIDE	228	455	1381	2008-39-1	2,4-D Dimethylamine Salt
SURGE BROADLEAF HERBICIDE FOR TURF	2217	867		2008-39-1	2,4-D Dimethylamine Salt
UAP TIMBERLAND PLATOON	228	145		2008-39-1	2,4-D Dimethylamine Salt
AGRI STAR 2,4-D AMINE 4 HERBICIDE	42750	19		2008-39-1	2,4-D Dimethylamine Salt
SABER HERBICIDE	34704	803		2008-39-1	2,4-D Dimethylamine Salt
CLEAN AMINE	34700	120		2008-39-1	2,4-D Dimethylamine Salt
ESCALADE 2	228	442		2008-39-1	2,4-D Dimethylamine Salt
AGRI STAR BY ALBAUGH INC RANGE STAR	42750	55		2008-39-1	2,4-D Dimethylamine Salt
AGRSOLUTIONS BRASH	51036	308	9779	2008-39-1	2,4-D Dimethylamine Salt
AGRSOLUTIONS STRIKE 3	14774	2		2008-39-1	2,4-D Dimethylamine Salt
AMINE 4 2,4-D WEED KILLER	34704	120		2008-39-1	2,4-D Dimethylamine Salt
AMINE 4CA 2,4-D WEED KILLER	34704	5		2008-39-1	2,4-D Dimethylamine Salt
AGRSOLUTIONS 2,4-D AMINE 4	1381	103		2008-39-1	2,4-D Dimethylamine Salt
GORDON'S TRIMEC BROADLEAF HERBICIDE - CLASSIC	2217	543		2008-39-1	2,4-D Dimethylamine Salt
DRY SOLUBLE HERBICIDE SAVAGE	34704	606		2008-39-1	2,4-D Dimethylamine Salt
DUPONT CIMARRON MAX HERBICIDE	352	615		2008-39-1	2,4-D Dimethylamine Salt
ENDRUN	2217	656	5905	2008-39-1	2,4-D Dimethylamine Salt
GORDON'S BRUSH KILLER	2217	543		2008-39-1	2,4-D Dimethylamine Salt
GORDON'S GLYPHO MATE 41	2217	847		2008-39-1	2,4-D Dimethylamine Salt
GORDON'S PASTURE PRO HERBICIDE	2217	703		2008-39-1	2,4-D Dimethylamine Salt
GORDON'S TRIMEC 992 BROADLEAF HERBICIDE	2217	656		2008-39-1	2,4-D Dimethylamine Salt
BANVEL +2, 4-D HERBICIDE	51036	308		2008-39-1	2,4-D Dimethylamine Salt

**Table 3: Agricultural Pesticides on the Groundwater Protection List (GWPL)**

<b>Brand Name</b>	<b>EPA1</b>	<b>EPA2</b>	<b>EPA3</b>	<b>CAS NUMBER</b>	<b>ACTIVE INGREDIENT</b>
DUPONT CIMARRON MAX PART B HERBICIDE	352	614		2008-39-1	2,4-D Dimethylamine Salt
GORDON'S SpeedZone BROADLEAF HERBICIDE FOR TURF	2217	833		533-23-3	2,4-D Ethylhexyl Ester
GORDON'S SPEED ZONE SOUTHERN BROADLEAF HERBICIDE FOR TURF	2217	835		533-23-3	2,4-D Ethylhexyl Ester
BARRAGE HF	5905	529		533-23-3	2,4-D Ethylhexyl Ester
SWB 2,4-D LV4	42750	22	9779	25168-26-7	2,4-D Isooctyl Ester
NUFARM WEEDONE LV4 SOLVENTLESS BROADLEAF HERBICIDE	71368	14		25168-26-7	2,4-D Isooctyl Ester
AGSCO--AGSCO 400 HERBICIDE	554	83		25168-26-7	2,4-D Isooctyl Ester
NUFARM WEEDONE LV6 EC BROADLEAF HERBICIDE	71368	11		25168-26-7	2,4-D Isooctyl Ester
SHUTOUT	2217	869	5905	25168-26-7	2,4-D Isooctyl Ester
LEFFINGWELL-HIVOL-44 PLANT GROWTH REGULATOR	64864	31		94-11-1	2,4-D Isopropyl Ester
HIVOL-44	5481	509		94-11-1	2,4-D Isopropyl Ester
TORDON RTU	62719	31		32341-80-3	2,4-D Triisopropanolamine Salt
LESCO MOMENTUM FX2 HERBICIDE	228	447	10404	32341-80-3	2,4-D Triisopropanolamine Salt
RIVERDALE ESCALADE LOW ODOR	228	416		32341-80-3	2,4-D Triisopropanolamine Salt
TORDON 101 MIXTURE	62719	5		32341-80-3	2,4-D Triisopropanolamine Salt
RIVERDALE TRIPLET LOW ODOR PREMIUM SELECTIVE HERBICIDE	228	409		32341-80-3	2,4-D Triisopropanolamine Salt
ACTIGARD 50 WG PLANT ACTIVATOR	100	922		135158-54-2	Acibenzolar-S-Methyl
AATREX NINE-O HERBICIDE	100	585		1912-24-9	Atrazine
READY MASTER ATZ HERBICIDE	524	509		1912-24-9	Atrazine
ESTABLISH LITE HERBICIDE	7969	200	55467	1912-24-9	Atrazine
ESTABLISH ATZ HERBICIDE	7969	192	55467	1912-24-9	Atrazine
DUPONT STEADFAST ATZ HERBICIDE	352	619		1912-24-9	Atrazine
AATREX 4L HERBICIDE	100	497		1912-24-9	Atrazine
AATREX NINE-O HERBICIDE	100	585		1912-24-9	Atrazine
AGRISOLUTIONS STERLING PLUS	51036	307	9779	1912-24-9	Atrazine
AGRISOLUTIONS ATRAZINE 4L	1381	158		1912-24-9	Atrazine
DREXEL ATRAZINE 4L HERBICIDE	19713	11		1912-24-9	Atrazine
BROMOXYNIL + ATRAZINE HERBICIDE	264	477	66222	1912-24-9	Atrazine
BASF GUARDSMAN MAX HERBICIDE	7969	192		1912-24-9	Atrazine
BASF G-MAX LITE HERBICIDE	7969	200		1912-24-9	Atrazine
AXIOM AT DF HERBICIDE	264	769		1912-24-9	Atrazine
AGRISOULTIONS ATRAZINE 90DF	9779	253		1912-24-9	Atrazine
ATRAZINE 4L HERBICIDE	34704	69		1912-24-9	Atrazine
DREXEL ATRAZINE 90DF HERBICIDE	19713	76		1912-24-9	Atrazine

**Table 3: Agricultural Pesticides on the Groundwater Protection List (GWPL)**

Brand Name	CAS			ACTIVE INGREDIENT	
	EPA1	EPA2	EPA3		
AATREX 4L HERBICIDE	100	497		1912-24-9	Atrazine
ATRIZINE 90 WDG HERBICIDE	34704	622		1912-24-9	Atrazine
QUILT FUNGICIDE	100	1178		131860-33-8	Azoxystrobin
PROT <sub>FF</sub> G <sub>FF</sub> XT	7501	186		131860-33-8	Azoxystrobin
QUADRIS FLOWABLE FUNGICIDE	100	1098		131860-33-8	Azoxystrobin
QUADRIS OPTI FUNGICIDE	100	1171		131860-33-8	Azoxystrobin
SOYGARD L WITH PROT <sub>FF</sub> G <sub>FF</sub>	7501	201		131860-33-8	Azoxystrobin
PROT <sub>FF</sub> G <sub>FF</sub> FL	7501	188		131860-33-8	Azoxystrobin
QUADRIS FLOWABLE FUNGICIDE	10182	415		131860-33-8	Azoxystrobin
HEADWAY FUNGICIDE	100	1216		131860-33-8	Azoxystrobin
HERITAGE TL	100	1191		131860-33-8	Azoxystrobin
HERITAGE FUNGICIDE	100	1093		131860-33-8	Azoxystrobin
DYNASTY CST FUNGICIDE	100	1177		131860-33-8	Azoxystrobin
DYNASTY	100	1159		131860-33-8	Azoxystrobin
BAYER CROPSCIENCE SOYGARD L WITH PROT <sub>FF</sub> G <sub>FF</sub>	264	991		131860-33-8	Azoxystrobin
BAYER CROPSCIENCE PROT <sub>FF</sub> G <sub>FF</sub> -FL SEED APPLIED FUNGICIDE	264	982		131860-33-8	Azoxystrobin
AZOXYSTROBIN DRY TECHNICAL MANUFACTURING USE CONCENTRATE FUNGICIDE	100	1120		131860-33-8	Azoxystrobin
AMISTAR FUNGICIDE	100	1164		131860-33-8	Azoxystrobin
ABOUND FLOWABLE FUNGICIDE	10182	415		131860-33-8	Azoxystrobin
ABOUND FLOWABLE FUNGICIDE	100	1098		131860-33-8	Azoxystrobin
BROMACIL 80 WP HERBICIDE	70506	83		314-40-9	Bromacil
BROMACIL/DIURON 40+40 DF HERBICIDE	70506	84		314-40-9	Bromacil
FORMULA 190 LIQUID WEED KILLER	10807	205	70799	314-40-9	Bromacil
SEVIN BRAND 4F CARBARYL INSECTICIDE	264	349		63-25-2	Carbaryl
SEVIN 10 DUST	2935	320		63-25-2	Carbaryl
SEVIN 5 BAIT	2935	366		63-25-2	Carbaryl
SEVIN 5 BAIT	34704	23		63-25-2	Carbaryl
SEVIN 5 GRANULAR	34704	373		63-25-2	Carbaryl
PROKOZ SEVIN SL	432	1227	72112	63-25-2	Carbaryl
SEVIN BRAND 50W CARBARYL INSECTICIDE	264	314		63-25-2	Carbaryl
SEVIN BRAND 80 WSP CARBARYL INSECTICIDE	264	526		63-25-2	Carbaryl
GOWAN SEVIN BAIT AGRICULTURE POISON BAIT	10163	32		63-25-2	Carbaryl
SEVIN BRAND RP4 CARBARYL INSECTICIDE	264	335		63-25-2	Carbaryl
SEVIN 5 BAIT	34704	23		63-25-2	Carbaryl
SEVIN BRAND XLR PLUS CARBARYL INSECTICIDE	264	333		63-25-2	Carbaryl
SEVIN SL CARBARYL INSECTICIDE	432	1227		63-25-2	Carbaryl

**Table 3: Agricultural Pesticides on the Groundwater Protection List (GWPL)**

<b>Brand Name</b>	<b>EPA1</b>	<b>EPA2</b>	<b>EPA3</b>	<b>CAS NUMBER</b>	<b>ACTIVE INGREDIENT</b>
SEVIN BRAND 80S CARBARYL INSECTICIDE	264	316		63-25-2	Carbaryl
CARBARYL BAIT	34704	483		63-25-2	Carbaryl
ALLPRO CARBARYL 4L	45735	25	769	63-25-2	Carbaryl
SEVIN 80 WSP CARBARYL INSECTICIDE	432	1226		63-25-2	Carbaryl
ALLPRO 10% CARBARYL DUST	769	229		63-25-2	Carbaryl
ALLPRO CARBARYL 50WP	769	972		63-25-2	Carbaryl
ALLPRO CARBARYL 80S	769	574		63-25-2	Carbaryl
CARBARYL BAIT	34704	483		63-25-2	Carbaryl
CARBARYL CUTWORM BAIT	11656	21		63-25-2	Carbaryl
CARBARYL 4L INSECTICIDE	34704	447		63-25-2	Carbaryl
DREXEL CARBARYL 4L	19713	49		63-25-2	Carbaryl
GORDON'S POWER ZONE BROADLEAF HERBICIDE FOR TURF	2217	834		128639-02-1	Carfentrazone-Ethyl
SHUTOUT	2217	869	5905	128639-02-1	Carfentrazone-Ethyl
GORDON'S SpeedZone ST AUGUSTINE FORMULA BROADLEAF HERBICIDE	2217	835		128639-02-1	Carfentrazone-Ethyl
GORDON'S SPEED ZONE SOUTHERN BROADLEAF HERBICIDE FOR TURF	2217	835		128639-02-1	Carfentrazone-Ethyl
AIM EC HERBICIDE	279	3241		128639-02-1	Carfentrazone-Ethyl
AIM EW HERBICIDE	279	3242		128639-02-1	Carfentrazone-Ethyl
AIM HERBICIDE	279	3194		128639-02-1	Carfentrazone-Ethyl
BATTLESHIP PREMIUM SELECTIVE HERBICIDE	228	371	5905	1702-17-6	Clopyralid
LONTREL TURF AND ORNAMENTAL	62719	305		1702-17-6	Clopyralid
TRANSLINE	62719	259		1702-17-6	Clopyralid
STINGER	62719	73		1702-17-6	Clopyralid
RECLAIM	62719	83		1702-17-6	Clopyralid
CONFRONT	62719	92		1702-17-6	Clopyralid
DORMEX	54555	2		420-04-2	Cyanamide
DELTAGARD T&O GRANULAR INSECTICIDE	432	836		52918-63-5	Deltamethrin
DELTA GOLD INSECTICIDE	264	1011	1381	52918-63-5	Deltamethrin
DELTAGARD GC GRANULAR INSECTICIDE	432	837		52918-63-5	Deltamethrin
DELTAGARD GC 5 SC INSECTICIDE	432	835		52918-63-5	Deltamethrin
DELTADUST INSECTICIDE	432	772		52918-63-5	Deltamethrin
DECIS 1.5 EC INSECTICIDE	34147	12	264	52918-63-5	Deltamethrin
DECIS 1.5 EC INSECTICIDE	264	1011		52918-63-5	Deltamethrin
BATTALION 0.2 EC	264	1007	66330	52918-63-5	Deltamethrin
DELTAGARD T&O 5SC INSECTICIDE	432	834		52918-63-5	Deltamethrin
DELTAGARD G INSECTICIDE GRANULE	432	836		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
PHEN-DES 8 + 8 HERBICIDE	70506	89		13684-56-5	Desmedipham
VANQUISH HERBICIDE	100	884		1918-00-9	Dicamba

**Table 3: Agricultural Pesticides on the Groundwater Protection List (GWPL)**

<b>Brand Name</b>	<b>EPA1</b>	<b>EPA2</b>	<b>EPA3</b>	<b>CAS NUMBER</b>	<b>ACTIVE INGREDIENT</b>
RIVERDALE ESCALADE LOW ODOR	228	416		1918-00-9	Dicamba
GORDON'S SUPER TRIMEC BROADLEAF HERBICIDE	2217	758		1918-00-9	Dicamba
GORDON'S SpeedZone ST AUGUSTINE FORMULA BROADLEAF HERBICIDE	2217	835		1918-00-9	Dicamba
GORDON'S SPEED ZONE SOUTHERN BROADLEAF HERBICIDE FOR TURF	2217	835		1918-00-9	Dicamba
ESCALADE 2	228	442		1918-00-9	Dicamba
VANQUISH HERBICIDE	100	884		1918-00-9	Dicamba
GORDON'S POWER ZONE BROADLEAF HERBICIDE FOR TURF	2217	834		1918-00-9	Dicamba
RIVERDALE VANQUISH HERBICIDE	228	397		104040-79-1	Dicamba, DGA Salt
DICAM	81142	5		2300-66-5	Dicamba, DMA SALT
PRO-MATE THREE-WAY CS	2217	493	5905	2300-66-5	Dicamba, DMA SALT
PRIMERA TRIPLET LOW ODOR	228	409		2300-66-5	Dicamba, DMA SALT
ORACLE DICAMBA AGRICULTURAL HERBICIDE	70907	12		2300-66-5	Dicamba, DMA SALT
GORDON'S TRIMEC TURF HERBICIDE	2217	517		2300-66-5	Dicamba, DMA SALT
GORDON'S TRIMEC PLUS POST EMERGENT GRASS & BROADLEAF HERBICIDE	2217	709		2300-66-5	Dicamba, DMA SALT
GORDON'S TRIMEC BROADLEAF HERBICIDE - CLASSIC	2217	543		2300-66-5	Dicamba, DMA SALT
RIFLE-D HERBICIDE	34704	869		2300-66-5	Dicamba, DMA SALT
AGRI STAR BY ALBAUGH INC RANGE STAR	42750	55		2300-66-5	Dicamba, DMA SALT
RIVERDALE DIABLO HERBICIDE	228	379		2300-66-5	Dicamba, DMA SALT
GHARDA CHEMICALS LIMITED ORACLE DICAMBA AGRICULTURAL HERBICIDE	33658	14		2300-66-5	Dicamba, DMA SALT
Q4 TURF HERBICIDE FOR GRASSY & BROADLEAF WEEDS	2217	886		2300-66-5	Dicamba, DMA SALT
DUPONT CIMARRON MAX HERBICIDE	352	615		2300-66-5	Dicamba, DMA SALT
GORDON'S TRIMEC 992 BROADLEAF HERBICIDE	2217	656		2300-66-5	Dicamba, DMA SALT
RIVERDALE TRIPLET LOW ODOR PREMIUM SELECTIVE HERBICIDE	228	409		2300-66-5	Dicamba, DMA SALT
RIVERDALE TRIPLET SF SELECTIVE HERBICIDE	228	312		2300-66-5	Dicamba, DMA SALT
STERLING	1381	190		2300-66-5	Dicamba, DMA SALT
AGRISOLUTIONS BRASH	51036	308	9779	2300-66-5	Dicamba, DMA SALT
AGRISOLUTIONS STERLING	51036	289	9779	2300-66-5	Dicamba, DMA SALT
AGRISOLUTIONS STRIKE 3	14774	2		2300-66-5	Dicamba, DMA SALT
SURGE BROADLEAF HERBICIDE FOR TURF	2217	867		2300-66-5	Dicamba, DMA SALT
WEEDKING HERBICIDE	70907	20	53883	2300-66-5	Dicamba, DMA SALT
BANVEL HERBICIDE	51036	289		2300-66-5	Dicamba, DMA SALT
DUPONT CIMARRON MAX PART B	352	614		2300-66-5	Dicamba, DMA SALT

**Table 3: Agricultural Pesticides on the Groundwater Protection List (GWPL)**

Brand Name	EPA1	EPA2	EPA3	CAS NUMBER	ACTIVE INGREDIENT
HERBICIDE					
AGRSOLUTIONS STERLING PLUS	51036	307	9779	10007-85-9	Dicamba, Potassium Salt
YUKON HERBICIDE	33906	11	524	1982-69-0	Dicamba, Sodium Salt
DISTINCT HERBICIDE	7969	150		1982-69-0	Dicamba, Sodium Salt
OVERDRIVE HERBICIDE	7969	150		1982-69-0	Dicamba, Sodium Salt
STATURE FUNGICIDE, SEPRO	241	411	67690	110488-70-5	Dimethomorph
STATURE DM FUNGICIDE	241	419	67690	110488-70-5	Dimethomorph
FORUM FUNGICIDE	241	427		110488-70-5	Dimethomorph
CABRIO TEAM FUNGICIDE	7969	229		110488-70-5	Dimethomorph
ACROBAT 50WP FUNGICIDE	241	410		110488-70-5	Dimethomorph
VENOM 20 SG INSECTICIDE	33657	17	59639	165252-70-0	Dinetofuran
VALENT VENOM INSECTICIDE	59639	135		165252-70-0	Dinetofuran
SAFARI 20 SG INSECTICIDE	33657	16	59639	165252-70-0	Dinetofuran
AGRSOLUTIONS DIURON 4L	9779	329		330-54-1	Diuron
KARMEX DF HERBICIDE	1812	362		330-54-1	Diuron
DIREX 4L HERBICIDE	1812	257		330-54-1	Diuron
DIURON 80 HERBICIDE	19713	274		330-54-1	Diuron
DUPONT VELPAR ALFAMAX HERBICIDE	352	665		330-54-1	Diuron
DIURON 80 WDG WEED KILLER	34704	648		330-54-1	Diuron
DREXEL DIURON 4L	19713	36		330-54-1	Diuron
DUPONT LAYBY PRO HERBICIDE	352	660		330-54-1	Diuron
BROMACIL/DIURON 40+40 DF HERBICIDE	70506	84		330-54-1	Diuron
AGRSOLUTIONS DIURON TVC 80DF	9779	318		330-54-1	Diuron
THIDIAZURON+DIURON EC COTTON DEFOLIANT	51036	429		330-54-1	Diuron
SUREFIRE	100	1010	34704	330-54-1	Diuron
GRIFFIN KARMEX XP HERBICIDE	1812	362		330-54-1	Diuron
DUPONT VELPAR ALFAMAX GOLD	352	666		330-54-1	Diuron
DUPONT LAYBY PRO HERBICIDE	1812	460	352	330-54-1	Diuron
DIURON 8- WDG WEED KILLER	34704	648		330-54-1	Diuron
PROCLAIM INSECTICIDE	100	904		137512-74-4	Emamectin Benzoate
DENIM INSECTICIDE	100	903		137512-74-4	Emamectin Benzoate
THIONEX (ENDOSULFAN) 50WSB	279	3129	66222	115-29-7	Endosulfan
GOWAN ENDOSULFAN 50 WSB	10163	130		115-29-7	Endosulfan
ENDOSULFAN 3 EC	51036	92		115-29-7	Endosulfan
ENDOSULFAN 50WP	51036	91		115-29-7	Endosulfan
FULEX THIODAN INSECTICIDAL SMOKE	1327	35		115-29-7	Endosulfan
GOWAN ENDOSULFAN 50W	10163	98		115-29-7	Endosulfan
PHASER 50WSB INSECTICIDE	264	656		115-29-7	Endosulfan
THIODAN WSB INSECTICIDE	279	3129		115-29-7	Endosulfan
THIONEX (ENDOSULFAN) 50W	279	1380	66222	115-29-7	Endosulfan
THIONEX 3EC	66222	63		115-29-7	Endosulfan
THIONEX 50W INSECTICIDE	66222	62		115-29-7	Endosulfan
THIONEX (ENDOSULFAN) 3EC	279	2924	66222	115-29-7	Endosulfan
FLONICAMID 50WG					

**Table 3: Agricultural Pesticides on the Groundwater Protection List (GWPL)**

Brand Name	EPA1	EPA2	EPA3	CAS NUMBER	ACTIVE INGREDIENT
BELEAF 50 SG	71512	10		158062-67-0	Flonicamid
FLONICAMID 50 WG	71512	9		158062-67-0	Flonicamid
CARBINE 50 WG INSECTICIDE	71512	9	279	158062-67-0	Flonicamid
ARIA INSECTICIDE	279	3287		158062-67-0	Flonicamid
AXIOM DF HERBICIDE	264	766		142459-58-3	Flufenacet (Thiafluamide)
DEFINE DF HERBICIDE	264	765		142459-58-3	Flufenacet (Thiafluamide)
BAYER CROP SCIENCE DEFINE SC HERBICIDE	264	819		142459-58-3	Flufenacet (Thiafluamide)
AXIOM DF HERBICIDE	3125	488		142459-58-3	Flufenacet (Thiafluamide)
AXIOM AT DF HERBICIDE	264	769		142459-58-3	Flufenacet (Thiafluamide)
CONTRAST 70 WSP	432	1223	58185	66332-96-5	Flutolanil
CONTRAST 70 WSP	45639	208	58185	66332-96-5	Flutolanil
FLUTOLANIL TECHNICAL	71711	5		66332-96-5	Flutolanil
MONCOAT MZ POTATO SEED-PIECE TREATMENT F/ CONTROL OF SEEDLING DISEASES	71711	8		66332-96-5	Flutolanil
MONCUT 70-DF FUNGICIDE FOR USE ON PEANUTS, RICE AND POTATOES	71711	14	10163	66332-96-5	Flutolanil
IGNITE 280 SL HERBICIDE	264	829		77182-82-2	Glufosinate-Ammonium
FINALE HERBICIDE	432	1229		77182-82-2	Glufosinate-Ammonium
IGNITE HERBICIDE	264	660		77182-82-2	Glufosinate-Ammonium
LIBERTY HERBICIDE	264	660		77182-82-2	Glufosinate-Ammonium
RELY HERBICIDE	264	652		77182-82-2	Glufosinate-Ammonium
REMOVE HERBICIDE	264	663		77182-82-2	Glufosinate-Ammonium
MACH 2* 1.5G	62719	473	38167	112226-61-6	Halofenozide
SEMPRA HERBICIDE	524	465		100784-20-1	Halosulfuron-Methyl
SEMPRA CA HERBICIDE	524	465		100784-20-1	Halosulfuron-Methyl
SEMPRA CA	524	524		100784-20-1	Halosulfuron-Methyl
SEDGEHAMMER TURF HERBICIDE	81880	1	10163	100784-20-1	Halosulfuron-Methyl
SANDEA HERBICIDE	10163	254		100784-20-1	Halosulfuron-Methyl
MANAGE TURF HERBICIDE	524	465		100784-20-1	Halosulfuron-Methyl
YUKON HERBICIDE	33906	11	524	100784-20-1	Halosulfuron-Methyl
RAPTOR HERBICIDE	241	379		114311-32-9	Imazamox
PURSUIT DG	241	350		81335-77-5	Imazethapyr
PURSUIT W DG HERBICIDE ECO-PAK	241	386		81335-77-5	Imazethapyr
MARATHON 60 WP GREENHOUSE AND NURSERY INSECTICIDE IN WATER SOLUBLE PACKAGING	432	1361	59807	138261-41-3	Imidacloprid
MERIT 75 WSP INSECTICIDE	3125	439		138261-41-3	Imidacloprid
PASADA 1.6F FLOWABLE INSECTICIDE	264	763	66222	138261-41-3	Imidacloprid
MAJESTY	432	1369	59807	138261-41-3	Imidacloprid
LATITUDE SEED TREATMENT	7501	198		138261-41-3	Imidacloprid
IMPULSE 1.6 FL				138261-41-3	Imidacloprid



**Table 3: Agricultural Pesticides on the Groundwater Protection List (GWPL)**

<b>Brand Name</b>	<b>EPA1</b>	<b>EPA2</b>	<b>EPA3</b>	<b>CAS NUMBER</b>	<b>ACTIVE INGREDIENT</b>
IMIDIPRO SYSTEMIC INSECTICIDE	42750	115	2217	138261-41-3	Imidacloprid
IMIDACLOPRID 4F INSECTICIDE	264	783	66222	138261-41-3	Imidacloprid
LEVERAGE 2.7 SUSPENSION EMULSION INSECTICIDE	264	770		138261-41-3	Imidacloprid
LEVERAGE 2.7 SUSPENSION EMULSION INSECTICIDE	3125	524		138261-41-3	Imidacloprid
MERIT 2 INSECTICIDE	3125	418		138261-41-3	Imidacloprid
MACHO 2.0 FL	42750	110		138261-41-3	Imidacloprid
MERIT 75 WSP INSECTICIDE	432	1318		138261-41-3	Imidacloprid
MARATHON 1% GRANULAR GREENHOUSE & NURSERY INSECTICIDE	432	1329	59807	138261-41-3	Imidacloprid
LESCO BANDIT 75 WSP INSECTICIDE	432	1318		138261-41-3	Imidacloprid
MARATHON II GREENHOUSE AND NURSERY INSECTICIDE	432	1369	59807	138261-41-3	Imidacloprid
MERIT 75 WP INSECTICIDE	432	1314		138261-41-3	Imidacloprid
MERIT 75 WP INSECTICIDE	3125	421		138261-41-3	Imidacloprid
GARANT T & O 2F INSECTICIDE	432	1312	67760	138261-41-3	Imidacloprid
COURAZE MAX 4F	264	783	67760	138261-41-3	Imidacloprid
ADMIRE 2 FLOWABLE	3125	422		138261-41-3	Imidacloprid
ADMIRE PRO SYSTEMIC PROTECTANT INSECTICIDE	264	827		138261-41-3	Imidacloprid
AGRISOLUTIONS CONCUR SEED TREATMENT	7501	197	1381	138261-41-3	Imidacloprid
ALIAS 2F FLOWABLE INSECTICIDE	264	758	66222	138261-41-3	Imidacloprid
ALLECTUS GC GRANULAR INSECTICIDE	432	1416		138261-41-3	Imidacloprid
ALLECTUS GC SC	432	1421		138261-41-3	Imidacloprid
ANDERSONS GOLF PRODUCTS TURF FERTILIZER 14-0-14 WITH MERIT INSECTICIDE	432	1349	9198	138261-41-3	Imidacloprid
ARECA	432	1369	59807	138261-41-3	Imidacloprid
BAYER CROP SCIENCE AE F106464 00 SC43 A4 INSECTICIDE	264	827		138261-41-3	Imidacloprid
BAYER CROPSCIENCE CAUCHO GRANDE SEED-APPLIED INSECTICIDE	264	968		138261-41-3	Imidacloprid
BAYER CROPSCIENCE GAUCHO 480 FLOWABLE	264	957		138261-41-3	Imidacloprid
BAYER CROPSCIENCE TOPS-MZ-GAUCHO POTATO SEED-PIECE TREATMENT	264	977		138261-41-3	Imidacloprid
GAUCHO 480	7501	155		138261-41-3	Imidacloprid
COURAZE 2F INSECTICIDE	264	758	67760	138261-41-3	Imidacloprid
HUNTER 75 WSP INSECTICIDE	432	1318		138261-41-3	Imidacloprid
COURAZE SOLUPAK INSECTICIDE	264	761	67760	138261-41-3	Imidacloprid
DOMINION 0.5 GRANULAR INSECTICIDE	432	1328	53883	138261-41-3	Imidacloprid
SIGNATURE BRAND FERTILIZER FERTILIZER WITH 0.2% MERIT 7-0-0	432	1349	65783	138261-41-3	Imidacloprid

**Table 3: Agricultural Pesticides on the Groundwater Protection List (GWPL)**

<b>Brand Name</b>	<b>EPA1</b>	<b>EPA2</b>	<b>EPA3</b>	<b>CAS NUMBER</b>	<b>ACTIVE INGREDIENT</b>
GARANT T & O 75 WSP INSECTICIDE	432	1318	67760	138261-41-3	Imidacloprid
PASADA 75 WSB	264	761	66222	138261-41-3	Imidacloprid
GAUCHO 600	7501	173		138261-41-3	Imidacloprid
GAUCHO 600 FLOWABLE	264	968		138261-41-3	Imidacloprid
GAUCHO GRANDE SEED-APPLIED INSECTICIDE	7501	173		138261-41-3	Imidacloprid
GAUCHO MZ	7501	184		138261-41-3	Imidacloprid
GENESIS	264	758	7501	138261-41-3	Imidacloprid
GENESIS FLOWABLE	3125	422	7501	138261-41-3	Imidacloprid
COURAZE 1.6F INSECTICIDE	264	763	67760	138261-41-3	Imidacloprid
SIGNATURE FERTILIZER WITH MERIT 0.2%	432	1349	65783	138261-41-3	Imidacloprid
QUALI-PRO IMIDACLOPRID 75 WSB INSECTICIDE	432	1318	73220	138261-41-3	Imidacloprid
ZENITH 75 WSP INSECTICIDE	432	1318		138261-41-3	Imidacloprid
TOPS-MZ-GAUCHO	7501	183		138261-41-3	Imidacloprid
SUBMERGE 75 WSP INSECTICIDE	432	1318		138261-41-3	Imidacloprid
SIGNATURE BRAND FERTILIZER FERTILIZER WITH 0.2% MERIT 21-3-8	432	1349	65783	138261-41-3	Imidacloprid
PRO-MATE MERIT 0.2% PLUS TURF FERTILIZER	432	1349	5905	138261-41-3	Imidacloprid
QUALI-PRO IMIDACLOPRID 2 F INSECTICIDE	432	1312	73220	138261-41-3	Imidacloprid
QUALI-PRO IMIDACLOPRID 0.5G INSECTICIDE	432	1328	73220	138261-41-3	Imidacloprid
PROVADO SOLUPAK 75% WP INSECTICIDE IN WSP	3125	428		138261-41-3	Imidacloprid
PROVADO SOLUPAK 75% WETTABLE POWDER INSECTICIDE IN WATER SOLUBLE PACKETS	264	761		138261-41-3	Imidacloprid
PROVADO 1.6 FLOWABLE INSECTICIDE	3125	457		138261-41-3	Imidacloprid
PROVADO 1.6 FLOWABLE INSECTICIDE	264	763		138261-41-3	Imidacloprid
THE ANDERSONS PROFESSIONAL TURF PRODUCTS FERTILIZER 22-3-8 WITH MERIT INSECTICIDE	432	1349	9198	138261-41-3	Imidacloprid
LOROX DF HERBICIDE	1812	320		330-55-2	Linuron
DUPONT LAYBY PRO HERBICIDE	352	660		330-55-2	Linuron
LINEX 4L HERBICIDE	1812	245		330-55-2	Linuron
DUPONT LAYBY PRO HERBICIDE	1812	460	352	330-55-2	Linuron
MANEB 80 WP FUNGICIDE	4581	255		12427-38-2	Maneb
PENTATHLON FUNGICIDE FLOWABLE WITH ZINC	1812	251		12427-38-2	Maneb
POTATO SEED TREATER 6%	2935	541	34704	12427-38-2	Maneb
POTATO SEED TREATER PS	2935	539	34704	12427-38-2	Maneb
MANEB 75DF DRY FLOWABLE FUNGICIDE	4581	371		12427-38-2	Maneb
MANEB 75DF FUNGICIDE	4581	371	82695	12427-38-2	Maneb
DUPONT MANEX FUNGICIDE	352	655		12427-38-2	Maneb

**Table 3: Agricultural Pesticides on the Groundwater Protection List (GWPL)**

Brand Name	CAS			NUMBER	ACTIVE INGREDIENT
	EPA1	EPA2	EPA3		
MANEB 80WP FUNGICIDE	4581	255	82695	12427-38-2	Maneb
MANEX FUNGICIDE FLOWABLE WITH ZINC	1812	251		12427-38-2	Maneb
SHUTOUT	2217	869	5905	16484-77-8	Mecoprop-P (MCP-P)
RIVERDALE TRIPLET SF SELECTIVE HERBICIDE	228	312		66423-09-4	Mecoprop-P (MCP-P), DMA Salt
AGRISOLUTIONS STRIKE 3	14774	2		66423-09-4	Mecoprop-P (MCP-P), DMA Salt
ENDRUN	2217	656	5905	66423-09-4	Mecoprop-P (MCP-P), DMA Salt
GORDON'S SUPER TRIMEC BROADLEAF HERBICIDE	2217	758		66423-09-4	Mecoprop-P (MCP-P), DMA Salt
GORDON'S TRIMEC TURF HERBICIDE	2217	517		66423-09-4	Mecoprop-P (MCP-P), DMA Salt
RIVERDALE TRIPLET LOW ODOR PREMIUM SELECTIVE HERBICIDE	228	409		66423-09-4	Mecoprop-P (MCP-P), DMA Salt
SURGE BROADLEAF HERBICIDE FOR TURF	2217	867		66423-09-4	Mecoprop-P (MCP-P), DMA Salt
PRO-MATE THREE-WAY CS	2217	493	5905	66423-09-4	Mecoprop-P (MCP-P), DMA Salt
DELTA COAT XL SEED TREATMENT FUNGICIDE	1381	183		70630-17-0	Mefenoxam
RIDOMIL GOLD COPPER FUNGICIDE	100	804		70630-17-0	Mefenoxam
RIDOMIL GOLD BRAVO LIQUID TWIN-PAK	100	801		70630-17-0	Mefenoxam
RIDOMIL GOLD COPPER FUNGICIDE	100	804		70630-17-0	Mefenoxam
RIDOMIL GOLD BRAVO SC FUNGICIDE	100	1221		70630-17-0	Mefenoxam
RIDOMIL GOLD EC	100	801		70630-17-0	Mefenoxam
RIDOMIL GOLD BRAVO FUNGICIDE	100	800		70630-17-0	Mefenoxam
PLATINUM RIDOMIL GOLD	100	974		70630-17-0	Mefenoxam
AGRISOLUTIONS CATAPULT XL SEED TREATMENT FUNGICIDE	1381	183		70630-17-0	Mefenoxam
RIDOMIL GOLD GR FUNGICIDE	100	798		70630-17-0	Mefenoxam
AgriSolutions WARDEN RTA	100	1146	1381	70630-17-0	Mefenoxam
QUALI-PRO MEFENOXAM 2 AQ	70252	11	73220	70630-17-0	Mefenoxam
MAXIM XL FUNGICIDE	100	916		70630-17-0	Mefenoxam
DYNASTY CST FUNGICIDE	100	1177		70630-17-0	Mefenoxam
DIVIDEND XL RTA FUNGICIDE	100	826		70630-17-0	Mefenoxam
DIVIDEND XL FUNGICIDE	100	885		70630-17-0	Mefenoxam
AGRISOLUTIONS INCENTIVE RTA	100	826	1381	70630-17-0	Mefenoxam
MAXIM XL FUNGICIDE	100	916		70630-17-0	Mefenoxam
RIDOMIL GOLD PC GR	100	823		70630-17-0	Mefenoxam
RIDOMIL GOLD PC GRANULAR FUNGICIDE	100	792		70630-17-0	Mefenoxam
RIDOMIL GOLD SL FUNGICIDE	100	1202		70630-17-0	Mefenoxam
RIDOMIL GOLD WSP FUNGICIDE	100	802		70630-17-0	Mefenoxam
SUBDUE GR	100	794		70630-17-0	Mefenoxam

**Table 3: Agricultural Pesticides on the Groundwater Protection List (GWPL)**

Brand Name	CAS			ACTIVE INGREDIENT	
	EPA1	EPA2	EPA3		NUMBER
SUBDUE GR GRANULAR FUNGICIDE	100	794		70630-17-0	Mefenoxam
SUBDUE MAXX FUNGICIDE	100	796		70630-17-0	Mefenoxam
RIDOMIL GOLD MZ FUNGICIDE	100	803		70630-17-0	Mefenoxam
APRON XL LS FUNGICIDE	100	799		70630-17-0	Mefenoxam
OSPREY HERBICIDE	264	802		208465-21-8	Mesosulfuron-Methyl
INTREPID 2F AGRICULTURAL INSECTICIDE	707	277		161050-58-4	Methoxyfenozide
INTREPID 2F	62719	442		161050-58-4	Methoxyfenozide
SENCOR SOLUPAK 75% DF HERBICIDE IN WSP	3125	402		21087-64-9	Metribuzin
METRIBUZIN4 FLOWABLE HERBICIDE	264	735		21087-64-9	Metribuzin
METRIBUZIN DF 75% DRY FLOWABLE HERBICIDE	264	738		21087-64-9	Metribuzin
METRI DF 75% FLOWABLE HERBICIDE	70506	103		21087-64-9	Metribuzin
METRI DF 75% DRY FLOWABLE HERBICIDE	79604	2		21087-64-9	Metribuzin
AXIOM DF HERBICIDE	264	766		21087-64-9	Metribuzin
AXIOM AT DF HERBICIDE	264	769		21087-64-9	Metribuzin
SENCOR 75% DRY FLOWABLE HERBICIDE	3125	325		21087-64-9	Metribuzin
TARGET 6 PLUS	42519	3		2163-80-6	MSMA
AGRISOLUTIONS 120 HERBICIDE	9779	96		2163-80-6	MSMA
AGRISOLUTIONS 912 HERBICIDE	9779	133		2163-80-6	MSMA
ANSAR 6.6	61483	17		2163-80-6	MSMA
BUENO 6	61483	15		2163-80-6	MSMA
DREXEL MSMA 6 PLUS	19713	42		2163-80-6	MSMA
GORDON'S TRIMEC PLUS POST EMERGENT GRASS & BROADLEAF HERBICIDE	2217	709		2163-80-6	MSMA
MSMA 6 PLUS	34704	115		2163-80-6	MSMA
PROKOZ TURFMAX MSMA 6.6	42750	28	72112	2163-80-6	MSMA
WEED-HOE	61483	15	17545	2163-80-6	MSMA
TARGET 6.6	42519	1		2163-80-6	MSMA
TENKOZ MSMA 6 PLUS	42750	29	55467	2163-80-6	MSMA
WEED-HOE	50534	6	17545	2163-80-6	MSMA
DUPONT STEADFAST HERBICIDE	352	608		111991-09-4	Nicosulfuron
PROMETRYNE4L HRBICIDE	9779	297		7287-19-6	Prometryn
CAPAROL 4L HERBICIDE	100	620		7287-19-6	Prometryn
COTTON PRO	66222	15		7287-19-6	Prometryn
COTTON-PRO HERBICIDE	1812	274		7287-19-6	Prometryn
GOWAN PROMETRYNE 4L HERBICIDE	10163	94		7287-19-6	Prometryn
PROMETRYN 4L	66222	15		7287-19-6	Prometryn
PROMETRYN 4L CA/AZ	1812	274	66222	7287-19-6	Prometryn
PROMETRYNE 4L HERBICIDE	34704	692		7287-19-6	Prometryn
PROMETRYNE 4L HERBICIDE	34704	692		7287-19-6	Prometryn
PEAK-CUSTOMPAK HERBICIDE	100	763		94125-34-5	Prosulfuron
CUSTOM PAK PEAK HERBICIDE	100	763		94125-34-5	Prosulfuron

**Table 3: Agricultural Pesticides on the Groundwater Protection List (GWPL)**

Brand Name	CAS			ACTIVE INGREDIENT
	EPA1	EPA2	EPA3	
PEAK ACCU-PAK HERBICIDE	100	763		94125-34-5 Prosulfuron
FUSILADE DX HERBICIDE	100	1070		123312-89-0 Pymetrozine
FULFILL INSECTICIDE	100	912		123312-89-0 Pymetrozine
ENDEAVOR INSECTICIDE	100	913		123312-89-0 Pymetrozine
DUPONT STAPLE LX HERBICIDE	352	613		123343-16-8 Pyriithiobac-Sodium
STAPLE HERBICIDE	352	576	279	123343-16-8 Pyriithiobac-Sodium
DRIVE 75 DF HERBICIDE	7969	130		84087-01-4 Quinclorac
Q4 TURF HERBICIDE FOR GRASSY & BROADLEAF WEEDS	2217	886		84087-01-4 Quinclorac
VISOR 2E HERBICIDE	707	251		112410-23-8 Tebufenozide
MIMIC 2LV AGRICULTURAL INSECTICIDE	707	270		112410-23-8 Tebufenozide
CONFIRM T/O INSECTICIDE	707	238		112410-23-8 Tebufenozide
CONFIRM T/O	62719	420		112410-23-8 Tebufenozide
CONFIRM 2F AGRICULTURAL INSECTICIDE (SEC18 98-AZ-09,10)	707	238		112410-23-8 Tebufenozide
CONFIRM 2F	62719	420		112410-23-8 Tebufenozide
CRUISER 5FS insecticide	100	941		153719-23-4 Thiamethoxam
PLATINUM RIDOMIL GOLD	100	974		153719-23-4 Thiamethoxam
FLAGSHIP 25WG	100	955		153719-23-4 Thiamethoxam
ACTARA INSECTICIDE	100	938		153719-23-4 Thiamethoxam
CENTRIC 40WG INSECTICIDE	100	1147		153719-23-4 Thiamethoxam
CENTRIC INSECTICIDE	100	968		153719-23-4 Thiamethoxam
PLATINUM INSECTICIDE	100	939		153719-23-4 Thiamethoxam
VISOR 2E	62719	431		117718-60-2 Thiazopyr
ENVOKE HERBICIDE	100	1132		199119-58-9 Trifloxysulfuron-Sodium
PRIMO MAXX	100	937		95266-40-3 Trinexapac-Ethyl
PRIMO LIQUID	100	729		95266-40-3 Trinexapac-Ethyl
PRIMO	100	729		95266-40-3 Trinexapac-Ethyl
PRIMO WSB	100	752		95266-40-3 Trinexapac-Ethyl

**Table 4: Reported Pesticide Use in Arizona from January 1, 2006 to December 31, 2006**

Brand	Type	EPA1	EPA2	EPA3	CAS Number	Active Ingredient	Total Usage	Units
HM-2010	HERBICIDE	5905	542		94-75-7	2,4-D	35	GAL
WEEDONE LV6 IOE BROADLEAF HERBICIDE	HERBICIDE	264	518		2008-39-1	2,4-D, 2-EHE	17	LBS
RIVERDALE WEDESTROY AM-40 AMINE SALT	HERBICIDE	228	145		2008-39-1	2,4-D, dimeth. salt	30	GAL
2,4-D AMINE 4	HERBICIDE	1381	103		2008-39-1	2,4-D, dimeth. salt	281.5	GAL
STRIKE 3	HERBICIDE	14774	2		2008-39-1	2,4-D, dimeth. salt	25	GAL
CLEAN CROP AMINE 4 2,4-D WEED KILLER	HERBICIDE	34704	120		2008-39-1	2,4-D, dimeth. salt	190.5	GAL
WEEDAR 64 BROADLEAF HERBICIDE	HERBICIDE	71368	1		2008-39-1	2,4-D, dimeth. salt	258	GAL
2,4-DB 200 WEED KILLER	HERBICIDE	2749	516		2008-39-1	2,4-DB, dimeth. salt	102	GAL
BUTYRAC 200 BROADLEAF HERBICIDE	HERBICIDE	42750	38		2008-39-1	2,4-DB, dimeth. salt	1634.6	GAL
BUTOXONE 200 HERBICIDE	HERBICIDE	71368	46	81315	2008-39-1	2,4-DB, dimeth. salt	546.9	GAL
AATREX 4L HERBICIDE	HERBICIDE	100	497		1912-24-9	Atrazine	2251	GAL
DUPONT STEADFAST ATZ HERBICIDE	HERBICIDE	352	619		1912-24-9	Atrazine	78.8	LBS
DREXEL ATRAZINE 4L	HERBICIDE	19713	11		1912-24-9	Atrazine	1025.7	GAL
CLEAN CROP ATRAZINE 4L HERBICIDE	HERBICIDE	34704	69		1912-24-9	Atrazine	272.8	GAL
AMISTAR FUNGICIDE	FUNGICIDE	100	1164		131860-33-8	Azoxystrobin	1523.3	LBS
ABOUND FLOWABLE FUNGICIDE	FUNGICIDE	10182	415		131860-33-8	Azoxystrobin	203.6	GAL
WILBUR-ELLIS SEVIN 5 BAIT	INSECTICIDE	2935	366		63-25-2	Carbaryl	1382.5	LBS
FURADAN 4F INSECTICIDE/NEMATICIDE	INSECTICIDE	279	2876			Carbofuran	1056	GAL
AIM HERBICIDE	HERBICIDE	279	3194		128639-02-1	Carfentrazone-ethyl	15.4	GAL
AIM 2 EC	HERBICIDE	279	3241		128639-02-1	Carfentrazone-ethyl	173	GAL
AIM EW	HERBICIDE	279	3242		128639-02-1	Carfentrazone-ethyl	11.5	GAL
CLARITY HERBICIDE	HERBICIDE	7969	137		104040-79-1	Dicamba, digly salt	642.6	GAL
STRIKE 3	HERBICIDE	14774	2		2300-66-5	Dicamba, dimet. salt	25	GAL
DISTINCT HERBICIDE	HERBICIDE	7969	150		1982-69-0	Dicamba, sodium salt	230.2	LBS
ACROBAT 50WP FUNGICIDE	FUNGICIDE	241	410		110488-70-5	Dimethomorph	3892.5	LBS

Brand	Type	EPA1	EPA2	EPA3	CAS Number	Active Ingredient	Total Usage	Units
FORUM FUNGICIDE	FUNGICIDE	241	427		110488-70-5	Dimethomorph	116.7	GAL
DINOTEFURON 20SG	INSECTICIDE	33657	17	59639	165252-70-0	Dinotefuran	242.9	LBS
GINSTAR EC	HERBICIDE	264	634		330-54-1	Diuron	4862.9	GAL
LAYBY 74 HERBICIDE	HERBICIDE	352	660		330-54-1	Diuron	165.1	GAL
DUPONT VELPAR ALFAMAX HERBICIDE	HERBICIDE	352	665		330-54-1	Diuron	47.5	GAL
DUPONT VELPAR ALFAMAX GOLD	HERBICIDE	352	666		330-54-1	Diuron	4598.7	LBS
DIREX 4L	HERBICIDE	1812	257		330-54-1	Diuron	831.2	GAL
LAYBY 74 HERBICIDE	HERBICIDE	1812	460	352	330-54-1	Diuron	7.5	GAL
DREXEL DIURON 4L HERBICIDE	HERBICIDE	19713	36		330-54-1	Diuron	20	GAL
GINSTAR EC	HERBICIDE	45639	161		330-54-1	Diuron	902.6	GAL
THIDIAZURON-DIURON SC	HERBICIDE	66330	344		330-54-1	Diuron	436.5	GAL
THIODAN 2 C.O. EC INSECTICIDE	INSECTICIDE	279	2659		115-29-7	Endosulfan	2.5	GAL
THIODAN 3 EC INSECTICIDE	INSECTICIDE	279	2924	66922	115-29-7	Endosulfan	5743.6	GAL
GOWAN ENDOSULFAN 3EC	INSECTICIDE	10163	110		115-29-7	Endosulfan	163.6	GAL
DREXEL ENDOSULFAN 3EC	INSECTICIDE	19713	399		115-29-7	Endosulfan	11389.9	GAL
THIODAN 3 EC INSECTICIDE	INSECTICIDE	66222	63		115-29-7	Endosulfan	10612.4	GAL
FLONICAMID 50WG	INSECTICIDE	71512	9	279	158062-67-0	Flonicamid	58750.5	LBS
BELEAF 50 SG	INSECTICIDE	71512	10	279	158062-67-0	Flonicamid	212.1	LBS
LIBERTY HERBICIDE	HERBICIDE	264	660		77162-82-2	Glufosinate-ammonium	241.5	GAL
RAPTOR HERBICIDE	HERBICIDE	241	379		114311-32-9	Imazamox	562.9	GAL
PURSUIT W DG HERBICIDE	HERBICIDE	241	386		81335-77-5	Imazethapyr	79.5	LBS
PURSUIT W HERBICIDE	HERBICIDE	241	385		101917-66-2	Imazethapyr, ammon	821.3	GAL
ADMIRE 2 FLOWABLE INSECTICIDE	INSECTICIDE	264	758	96622	138261-41-3	Imidacloprid	1546	GAL
PROVADO 1.6 FLOWABLE INSECTICIDE	INSECTICIDE	264	763	67760	138261-41-3	Imidacloprid	262.3	GAL
GAUCHO 550 SC INSECTICIDE	INSECTICIDE	264	827		138261-41-3	Imidacloprid	615.7	GAL
LAYBY 74 HERBICIDE	HERBICIDE	352	660		330-54-1	Linuron	172.6	GAL
LOROX DF	HERBICIDE	1812	320		330-54-1	Linuron	460.2	LBS
MANEX	FUNGICIDE	352	655		12427-38-2	Maneb	9726.4	GAL

Brand	Type	EPA1	EPA2	EPA3	CAS Number	Active Ingredient	Total Usage	Units
MANEB 75DF DRY FLOWABLE FUNGICIDE	FUNGICIDE	4581	371	82695	12427-38-2	Maneb	7704.7	LBS
STRIKE 3	HERBICIDE	14774	2		16484-77-8	MCPPP-P, DMA Salt	25	GAL
MEFENOXAM/BRAVO	FUNGICIDE	100	800		70630-17-0	Mefenoxam	566.9	LBS
RIDOMIL GOLD EC	FUNGICIDE	100	801		70630-17-0	Mefenoxam	215.9	GAL
RIDOMIL GOLD MZ	FUNGICIDE	100	803		70630-17-0	Mefenoxam	2927.5	LBS
ULTRA FLOURISH FUNGICIDE	FUNGICIDE	55146	73		70630-17-0	Mefenoxam	208.2	GAL
OSPREY HERBICIDE	HERBICIDE	264	802		208465-21-8	Mesosulfuron-Methyl	219.7	LBS
DUPONT LANNATE SP INSECTICIDE	INSECTICIDE	352	342		16752-77-5	Methomyl	33615	LBS
DUPONT LANNATE LV INSECTICIDE	INSECTICIDE	352	384		16752-77-5	Methomyl	1303.2	GAL
SENCOR DF 75% DRY FLOWABLE HERBICIDE	HERBICIDE	3125	325		21087-64-9	Metribuzin	526.5	LBS
MSMA 6 PLUS	HERBICIDE	19713	42		2163-80-6	MSMA	35	GAL
DUPONT STEADFAST HERBICIDE	HERBICIDE	352	608		111991-09-04	Nicosulfuron	20.6	LBS
VYDATE L INSECTICIDE/NEMATICIDE	INSECTICIDE	352	372		23135-22-0	Oxamyl	93.9	GAL
VYDATE C-LV INSECTICIDE/NEMATICIDE	INSECTICIDE	352	532		23135-22-0	Oxamyl	4978.8	GAL
CAPAROL 4L HERBICIDE	HERBICIDE	100	620		7287-19-6	Prometryn	225.4	GAL
COTTON-PRO	HERBICIDE	1812	274	66222	7287-19-6	Prometryn	354.1	GAL
GOWAN PROMETRYNE 4L	HERBICIDE	10163	94		7287-19-6	Prometryn	10	GAL
PROMETRYN 4L	HERBICIDE	66222	15		7287-19-6	Prometryn	1178.1	GAL
DUPONT STAPLE L HERBICIDE	HERBICIDE	352	613		123343-16-8	Pyriithiobac-sodium	22.3	LBS
FACET 75 DF HERBICIDE	HERBICIDE	7969	113		84087-01-4	Quinclorac	18	GAL
CONFIRM 2F AGRICULTURAL INSECTICIDE	INSECTICIDE	62719	420		112410-23-8	Tebufenozide	45.3	GAL
PLATINUM INSECTICIDE	INSECTICIDE	100	939		153719-23-4	Thiamethoxam	4.4	GAL
CENTRIC	INSECTICIDE	100	968		153719-23-4	Thiamethoxam	4.4	LBS
CENTRIC 40WG	INSECTICIDE	100	1147		153719-23-4	Thiamethoxam	39.6	LBS

Legend:

EPA 1/EPA 2/EPA 3 = EPA Registration Numbers



**Table 5: Reported Pesticide Use by County from January 1, 2006 to December 31, 2006**

County	Brand	Type	EPA1	EPA2	EPA3	CAS Number	Active Ingredient	Total Amount	Units
COC	2,4-D AMINE 4	HERBICIDE	1381	103		2008-39-1	2,4-D, dimeth. salt	281.49	GAL
COC	CLEAN CROP AMINE 4 2,4-D WEED KILLER	HERBICIDE	34704	120		2008-39-1	2,4-D, dimeth. salt	143.50	GAL
COC	AATREX 4L HERBICIDE	HERBICIDE	100	497		1912-24-9	Atrazine	170.00	GAL
COC	CLEAN CROP ATRAZINE 4L HERBICIDE	HERBICIDE	34704	69		1912-24-9	Atrazine	45.00	GAL
COC	ABOUND FLOWABLE FUNGICIDE	FUNGICIDE	100	1098		131860-33-8	Azoxystrobin	16.00	GAL
COC	AIM 2 EC	HERBICIDE	279	3241		128639-02-1	Carfentrazone-ethyl	0.00	GAL
COC	CLARITY HERBICIDE	HERBICIDE	7969	137		104040-79-1	Dicamba, digly salt	257.60	GAL
COC	GINSTAR EC	HERBICIDE	264	634		330-54-1	Diuron	29.89	GAL
COC	RAPTOR HERBICIDE	HERBICIDE	241	379		114311-32-9	Imazamox	157.42	GAL
COC	PURSUIT W DG HERBICIDE	HERBICIDE	241	386		81335-77-5	Imazethapyr	23.40	LBS
COC	PURSUIT HERBICIDE	HERBICIDE	241	310		101917-66-2	Imazethapyr, ammon	64.67	GAL
COC	ADMIRE 2 FLOWABLE INSECTICIDE	INSECTICIDE	264	758	66222	138261-41-3	Imidacloprid	0.00	GAL
COC	MANEX	FUNGICIDE	352	655		12427-38-2	Maneb	150.00	GAL
COC	MANEB 75DF DRY FLOWABLE FUNGICIDE	FUNGICIDE	4581	371		12427-38-2	Maneb	1190.00	LBS
COC	DUPONT LANNATE LV INSECTICIDE	INSECTICIDE	352	384		16752-77-5	Methomyl	0.00	GAL
COC	CONFIRM 2F AGRICULTURAL INSECTICIDE	INSECTICIDE	62719	420		112410-23-8	Tebufenozide	2.00	GAL
GRA	AATREX 4L HERBICIDE	HERBICIDE	100	497		1912-24-9	Atrazine	27.50	GAL
GRA	CLARITY HERBICIDE	HERBICIDE	7969	137		104040-79-1	Dicamba, digly salt	110.00	GAL
GRA	RAPTOR HERBICIDE	HERBICIDE	241	379		114311-32-9	Imazamox	14.50	GAL
LAP	WEEDAR 64 BROADLEAF HERBICIDE	HERBICIDE	71368	1		2008-39-1	2,4-D, dimeth. salt	107.50	GAL
LAP	AIM 2 EC	HERBICIDE	279	3241		128639-02-1	Carfentrazone-ethyl	70.48	GAL
LAP	CLARITY HERBICIDE	HERBICIDE	7969	137		104040-79-1	Dicamba, digly salt	95.90	GAL
LAP	GOWAN ENDOSULFAN 3EC	INSECTICIDE	10163	110		115-29-7	Endosulfan	12.50	GAL
LAP	DREXEL ENDOSULFAN 3EC	INSECTICIDE	19713	399		115-29-7	Endosulfan	31.48	GAL
LAP	THIODAN 3 EC INSECTICIDE	INSECTICIDE	66222	63		115-29-7	Endosulfan	555.03	GAL
LAP	FLONICAMID 50WG	INSECTICIDE	71512	9	279	158067-0	Flonicamid	52965.17	LBS
LAP	ADMIRE 2 FLOWABLE INSECTICIDE	INSECTICIDE	264	758	66222	138261-41-3	Imidacloprid	88.11	GAL
LAP	DUPONT LANNATE SP INSECTICIDE	INSECTICIDE	352	342		16752-77-5	Methomyl	909.75	LBS

County	Brand	Type	EPA1	EPA2	EPA3	CAS Number	Active Ingredient	Total Amount	Units
LAP	DUPONT LANNATE LV INSECTICIDE	INSECTICIDE	352	384		16752-77-5	Methomyl	63.25	GAL
LAP	VYDATE L INSECTICIDE/NEMATICIDE	INSECTICIDE	352	372		23135-22-0	Oxamyl	35.00	GAL
LAP	CONFIRM 2F AGRICULTURAL INSECTICIDE	INSECTICIDE	62719	420		112410-23-8	Tebufenozide	38.25	
MAR	RIVERDALE WEEDESTROY AM-40 AMINE SALT	HERBICIDE	228	145		2008-39-1	2,4-D, dimeth. salt	30.00	GAL
MAR	CLEAN CROP AMINE 4 2,4-D WEED KILLER	HERBICIDE	34704	120		2008-39-1	2,4-D, dimeth. salt	4.00	GAL
MAR	WEEDAR 64 BROADLEAF HERBICIDE	HERBICIDE	71368	1		2008-39-1	2,4-D, dimeth. salt	26.38	GAL
MAR	AATREX 4L HERBICIDE	HERBICIDE	100	497		1912-24-9	Atrazine	76.90	GAL
MAR	DUPONT STEADFAST ATZ HERBICIDE	HERBICIDE	352	619		1912-24-9	Atrazine	35.00	LBS
MAR	DREXEL ATRAZINE 4L	HERBICIDE	19713	11		1912-24-9	Atrazine	773.20	GAL
MAR	ABOUND FLOWABLE FUNGICIDE	FUNGICIDE	100	1098		131860-33-8	Azoxystrobin	7.00	GAL
MAR	AMISTAR FUNGICIDE	FUNGICIDE	100	1164		131860-33-8	Azoxystrobin	792.69	LBS
MAR	ABOUND FLOWABLE FUNGICIDE	FUNGICIDE	10182	415		131860-33-8	Azoxystrobin	129.11	GAL
MAR	WILBUR-ELLIS SEVIN 5 BAIT	INSECTICIDE	2935	366		63-25-2	Carbaryl	1382.50	LBS
MAR	AIM EW	HERBICIDE	279	3242		128639-02-1	Carfentrazone-ethyl	0.00	LBS
MAR	CLARITY HERBICIDE	HERBICIDE	7969	137		104040-79-1	Dicamba, digly salt	112.09	GAL
MAR	DISTINCT HERBICIDE	HERBICIDE	7969	150		1982-69-0	Dicamba, sodium salt	192.66	LBS
MAR	GINSTAR EC	HERBICIDE	264	634		330-54-1	Diuron	633.39	GAL
MAR	LAYBY 74 HERBICIDE	HERBICIDE	352	660		330-54-1	Diuron	75.35	GAL
MAR	DUPONT VELPAR ALFAMAX GOLD	HERBICIDE	352	666		330-54-1	Diuron	4400.66	LBS
MAR	DIREX 4L	HERBICIDE	1812	257		330-54-1	Diuron	359.10	GAL
MAR	GINSTAR EC	HERBICIDE	45639	161		330-54-1	Diuron	82.00	GAL
MAR	THIDIAZURON-DIURON SC	HERBICIDE	66330	344		330-54-1	Diuron	179.50	GAL
MAR	THIODAN 3 EC INSECTICIDE	INSECTICIDE	279	2924	66922	115-29-7	Endosulfan	0.00	GAL
MAR	DREXEL ENDOSULFAN 3EC	INSECTICIDE	19713	399		115-29-7	Endosulfan	640.60	GAL
MAR	THIODAN 3 EC INSECTICIDE	INSECTICIDE	66222	63		115-29-7	Endosulfan	530.55	GAL
MAR	FLONICAMID 50WG	INSECTICIDE	71512	9	279	158067-0	Flonicamid	118.66	LBS
MAR	RAPTOR HERBICIDE	HERBICIDE	241	379		114311-32-9	Imazamox	158.67	GAL
MAR	PURSUIT DG HERBICIDE	HERBICIDE	241	350		81335-77-5	Imazethapyr	1.60	LBS
MAR	PURSUIT HERBICIDE	HERBICIDE	241	310		101917-66-2	Imazethapyr, ammon	178.39	GAL
MAR	ADMIRE 2 FLOWABLE INSECTICIDE	INSECTICIDE	264	758	66222	138261-41-3	Imidacloprid	111.67	GAL

County	Brand	Type	EPA1	EPA2	EPA3	CAS Number	Active Ingredient	Total Amount	Units
MAR	PROVADO 1.6 FLOWABLE INSECTICIDE	INSECTICIDE	264	763		138261-41-3	Imidacloprid	74.20	GAL
MAR	MANEX	FUNGICIDE	1812	251		12427-38-2	Maneb	312.50	GAL
MAR	MANEB 75DF DRY FLOWABLE FUNGICIDE	FUNGICIDE	4581	371		12427-38-2	Maneb	2579.00	LBS
MAR	RIDOMIL GOLD EC	FUNGICIDE	100	801		70630-17-0	Mefenoxam	37.75	GAL
MAR	RIDOMIL GOLD MZ	FUNGICIDE	100	803		70630-17-0	Mefenoxam	575.00	LBS
MAR	OSPREY HERBICIDE	HERBICIDE	264	802		208465-21-8	Mesosulfuron-Methyl	47.50	LBS
MAR	DUPONT LANNATE LV INSECTICIDE	INSECTICIDE	352	384		16752-77-5	Methomyl	0.00	GAL
MAR	SENCOR DF 75% DRY FLOWABLE HERBICIDE	HERBICIDE	264	738		21087-64-9	Metribuzin	260.00	LBS
MAR	SENCOR DF 75% DRY FLOWABLE HERBICIDE	HERBICIDE	3125	325		21087-64-9	Metribuzin	266.50	LBS
MAR	DUPONT CIMARRON PLUS HERBICIDE	HERBICIDE	352	670		208465-21-8	Metsulfuron-methyl	0.47	GAL
MAR	DUPONT STAPLE L HERBICIDE	HERBICIDE	352	613		123343-16-8	Pyriithiobac-Sodium	12.03	GAL
MOH	AIM 2 EC	HERBICIDE	279	3241		128639-02-1	Carfentrazone-ethyl	1.25	GAL
MOH	DIREX 4L	HERBICIDE	1812	257		330-54-1	Diuron	25.84	GAL
MOH	THIODAN 3 EC INSECTICIDE	INSECTICIDE	66222	63		115-29-7	Endosulfan	30.00	GAL
MOH	PURSUIT W DG HERBICIDE	HERBICIDE	241	386		81335-77-5	Imazethapyr	4.00	LBS
MOH	PURSUIT HERBICIDE	HERBICIDE	241	310		101917-66-2	Imazethapyr, ammon	0.50	GAL
PIM	AATREX 4L HERBICIDE	HERBICIDE	100	497		1912-24-9	Atrazine	12.50	GAL
PIM	AIM 2 EC	HERBICIDE	279	3241		128639-02-1	Carfentrazone-ethyl	0.75	GAL
PIM	CLARITY HERBICIDE	HERBICIDE	7969	137		104040-79-1	Dicamba, digly salt	7.75	GAL
PIM	GINSTAR EC	HERBICIDE	264	634		330-54-1	Diuron	197.58	GAL
PIM	THIDIAZURON-DIURON SC	HERBICIDE	66330	344		330-54-1	Diuron	17.00	GAL
PIM	THIODAN 3 EC INSECTICIDE	INSECTICIDE	66222	63		115-29-7	Endosulfan	87.50	GAL
PIM	FLONICAMID 50WG	INSECTICIDE	71512	9	279	158067-0	Flonicamid	68.25	LBS
PIM	PURSUIT HERBICIDE	HERBICIDE	241	310		101917-66-2	Imazethapyr, ammon	8.43	GAL
PIM	PROMETRYN 4L	HERBICIDE	66222	15		7287-19-6	Prometryn	390.00	GAL
PIN	HM-2010	HERBICIDE	5905	542		94-75-7	2,4-D	35.00	GAL
PIN	CLEAN CROP AMINE 4 2,4-D WEED KILLER	HERBICIDE	34704	120		2008-39-1	2,4-D, dimeth. salt	43.00	GAL
PIN	WEEDAR 64 BROADLEAF HERBICIDE	HERBICIDE	71368	1		2008-39-1	2,4-D, dimeth. salt	27.19	GAL
PIN	AATREX 4L HERBICIDE	HERBICIDE	100	497		1912-24-9	Atrazine	1902.33	GAL
PIN	DUPONT STEADFAST ATZ HERBICIDE	HERBICIDE	352	619		1912-24-9	Atrazine	43.75	LBS
PIN	DREXEL ATRAZINE 4L	HERBICIDE	19713	11		1912-24-9	Atrazine	120.00	GAL

County	Brand	Type	EPA1	EPA2	EPA3	CAS Number	Active Ingredient	Total Amount	Units
PIN	CLEAN CROP ATRAZINE 4L HERBICIDE	HERBICIDE	34704	69		1912-24-9	Atrazine	227.81	GAL
PIN	ABOUND FLOWABLE FUNGICIDE	FUNGICIDE	100	1098		131860-33-8	Azoxystrobin	40.42	GAL
PIN	AMISTAR FUNGICIDE	FUNGICIDE	100	1164		131860-33-8	Azoxystrobin	528.38	LBS
PIN	AIM 2 EC	HERBICIDE	279	3241		128639-02-1	Carfentrazone-ethyl	0.00	GAL
PIN	AIM EW	HERBICIDE	279	3242		128639-02-1	Carfentrazone-ethyl	3.25	LBS
PIN	CLARITY HERBICIDE	HERBICIDE	7969	137		104040-79-1	Dicamba, digly salt	38.42	GAL
PIN	STRIKE 3	HERBICIDE	14774	2		2300-66-5	Dicamba, dimet. salt	25.00	GAL
PIN	DISTINCT HERBICIDE	HERBICIDE	7969	150		1982-69-0	Dicamba, sodium salt	37.50	LBS
PIN	GINSTAR EC	HERBICIDE	264	634		330-54-1	Diuron	2701.52	GAL
PIN	LAYBY 74 HERBICIDE	HERBICIDE	352	660		330-54-1	Diuron	89.71	GAL
PIN	DUPONT VELPAR ALFAMAX GOLD	HERBICIDE	352	666		330-54-1	Diuron	165.00	LBS
PIN	DIREX 4L	HERBICIDE	1812	257		330-54-1	Diuron	446.29	GAL
PIN	LAYBY 74 HERBICIDE	HERBICIDE	1812	460	352	330-54-1	Diuron	7.50	GAL
PIN	DREXEL DIURON 4L HERBICIDE	HERBICIDE	19713	36		330-54-1	Diuron	20.00	GAL
PIN	GINSTAR EC	HERBICIDE	45639	161		330-54-1	Diuron	658.01	GAL
PIN	THIDIAZURON-DIURON SC	HERBICIDE	66330	344		330-54-1	Diuron	212.50	GAL
PIN	THIODAN 3 EC INSECTICIDE	INSECTICIDE	279	2924	66222	115-29-7	Endosulfan	4339.98	GAL
PIN	GOWAN ENDOSULFAN 3EC	INSECTICIDE	10163	110		115-29-7	Endosulfan	151.10	GAL
PIN	DREXEL ENDOSULFAN 3EC	INSECTICIDE	19713	399		115-29-7	Endosulfan	2755.89	GAL
PIN	THIODAN 3 EC INSECTICIDE	INSECTICIDE	66222	63		115-29-7	Endosulfan	7304.28	GAL
PIN	FLONICAMID 50WG	INSECTICIDE	71512	9	279	158067-0	Flonicamid	5193.58	LBS
PIN	RAPTOR HERBICIDE	HERBICIDE	241	379		114311-32-9	Imazamox	106.68	GAL
PIN	PURSUIT W DG HERBICIDE	HERBICIDE	241	386		81335-77-5	Imazethapyr	15.52	LBS
PIN	PROVADO 1.6 FLOWABLE INSECTICIDE	INSECTICIDE	264	763		138261-41-3	Imidacloprid	20.34	GAL
PIN	OSPREY HERBICIDE	HERBICIDE	264	802		208465-21-8	Mesosulfuron-Methyl	172.18	LBS
PIN	VYDATE C-LV INSECTICIDE/NEMATICIDE	INSECTICIDE	352	532		23135-22-0	Oxamyl	4978.82	GAL
PIN	CAPAROL 4L HERBICIDE	HERBICIDE	100	620		7287-19-6	Prometryn	225.38	GAL
PIN	COTTON-PRO	HERBICIDE	1812	274	66222	7287-19-6	Prometryn	0.00	GAL
PIN	PROMETRYN 4L	HERBICIDE	66222	15		7287-19-6	Prometryn	217.00	GAL
PIN	DUPONT STAPLE L HERBICIDE	HERBICIDE	352	613		123343-16-8	Pyriithiobac-Sodium	9.00	GAL
YUM	AATREX 4L HERBICIDE	HERBICIDE	100	497		1912-24-9	Atrazine	61.81	GAL
YUM	DREXEL ATRAZINE 4L	HERBICIDE	19713	11		1912-24-9	Atrazine	132.50	GAL
YUM	ABOUND FLOWABLE FUNGICIDE	FUNGICIDE	100	1098		131860-33-8	Azoxystrobin	11.08	GAL
YUM	AMISTAR FUNGICIDE	FUNGICIDE	100	1164		131860-33-8	Azoxystrobin	202.21	LBS
YUM	AIM HERBICIDE	HERBICIDE	279	3194		128639-02-1	Carfentrazone-ethyl	1.00	LBS
YUM	AIM 2 EC	HERBICIDE	279	3241		128639-02-1	Carfentrazone-ethyl	48.41	GAL

County	Brand	Type	EPA1	EPA2	EPA3	CAS Number	Active Ingredient	Total Amount	Units
YUM	AIM EW	HERBICIDE	279	3242		128639-02-1	Carfentrazone-ethyl	5.22	GAL
YUM	CLARITY HERBICIDE	HERBICIDE	7969	137		104040-79-1	Dicamba, digly salt	20.88	GAL
YUM	ACROBAT 50WP FUNGICIDE	FUNGICIDE	241	410		110488-70-5	Dimethomorph	3892.54	LBS
YUM	FORUM FUNGICIDE	FUNGICIDE	241	427		110488-70-5	Dimethomorph	116.71	GAL
YUM	GINSTAR EC	HERBICIDE	264	634		330-54-1	Diuron	941.29	GAL
YUM	DUPONT VELPAR ALFAMAX HERBICIDE	HERBICIDE	352	665		330-54-1	Diuron	47.50	GAL
YUM	DUPONT VELPAR ALFAMAX GOLD	HERBICIDE	352	666		330-54-1	Diuron	33.00	LBS
YUM	GINSTAR EC	HERBICIDE	45639	161		330-54-1	Diuron	162.60	GAL
YUM	THIDIAZURON-DIURON SC	HERBICIDE	66330	344		330-54-1	Diuron	27.50	GAL
YUM	THIODAN 3 EC INSECTICIDE	INSECTICIDE	279	2924	66222	115-29-7	Endosulfan	0.00	GAL
YUM	DREXEL ENDOSULFAN 3EC	INSECTICIDE	19713	399		115-29-7	Endosulfan	7961.89	GAL
YUM	FLONICAMID 50WG	INSECTICIDE	71512	9	279	158067-0	Fonicamid	404.81	LBS
YUM	BELEAF 50 SG	INSECTICIDE	71512	10	279	158067-0	Fonicamid	212.15	LBS
YUM	RAPTOR HERBICIDE	HERBICIDE	241	379		114311-32-9	Imazamox	32.31	GAL
YUM	PURSUIT W DG HERBICIDE	HERBICIDE	241	386		81335-77-5	Imazethapyr	26.10	LBS
YUM	PURSUIT HERBICIDE	HERBICIDE	241	310		101917-66-2	Imazethapyr, ammon	68.99	GAL
YUM	ADMIRE 2 FLOWABLE INSECTICIDE	INSECTICIDE	264	758	96622	138261-41-3	Imidacloprid	0.00	GAL
YUM	PROVADO 1.6 FLOWABLE INSECTICIDE	INSECTICIDE	264	763	67760	138261-41-3	Imidacloprid	0.00	GAL
YUM	GAUCHO 550 SC INSECTICIDE	INSECTICIDE	264	827		138261-41-3	Imidacloprid	515.23	GAL
YUM	PROVADO 1.6 FLOWABLE INSECTICIDE	INSECTICIDE	3125	457		138261-41-3	Imidacloprid	7.55	GAL
YUM	LOROX DF	HERBICIDE	1812	320		330-55-2	Linuron	460.15	LBS
YUM	MANEX	FUNGICIDE	1812	251		12427-38-2	Maneb	2589.54	GAL
YUM	MANEB 80 WP FUNGICIDE	FUNGICIDE	4581	255		12427-38-2	Maneb	100.00	LBS
YUM	MANEB 75DF DRY FLOWABLE FUNGICIDE	FUNGICIDE	4581	371	82695	12427-38-2	Maneb	0.00	LBS
YUM	DUPONT LANNATE SP INSECTICIDE	INSECTICIDE	352	342		16752-77-5	Methomyl	29733.38	LBS
YUM	VYDATE L INSECTICIDE/NEMATICIDE	INSECTICIDE	352	372		23135-22-0	Oxamyl	58.90	GAL
YUM	COTTON-PRO	HERBICIDE	1812	274		7287-19-6	Prometryn	143.05	GAL
YUM	GOWAN PROMETRYNE 4L	HERBICIDE	10163	94		7287-19-6	Prometryn	10.03	GAL
YUM	CONFIRM 2F AGRICULTURAL INSECTICIDE	INSECTICIDE	62719	420		112410-23-8	Tebufenozide	5.00	<b>GAL</b>

Legend: COC = Coconino County GRA = Graham County LAP = LaPaz County MAR = Maricopa County MOH = Mohave County  
PIM = Pima County PIN = Pinal County YUM = Yuma County EPA1 / EPA2 / EPA3 = EPA Registration Numbers

