

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

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# ***Pesticide Contamination Prevention Program Report***

*A.R.S. §49-303.B*

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The Arizona Pesticide Contamination Prevention Program was established by the Environmental Quality Act of 1987. The program's major objective is to prevent or eliminate groundwater contamination by agricultural pesticide use and is composed of the following four major components:

1. Information submittal – Prior to registering the agricultural pesticide, applicant shall 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. Generation of GWPL – A list of agricultural pesticide active ingredients that have the potential to contaminate the groundwater.
3. Monitoring of agricultural pesticide active ingredients on the GWPL in the groundwater and soil statewide.
4. Compilation of sales and use information on agricultural pesticides containing active ingredients on the GWPL.

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

1. List of agricultural pesticide active ingredients for which there is a groundwater protection data gap
2. A list of each agricultural pesticide containing an active ingredient on the GWPL
3. The sales and use information on agricultural pesticides containing active ingredients on the GWPL in the state during the most recent year and where and for what purpose the pesticide was used

## **Groundwater Protection Data Gap**

Pursuant to A.R.S. §49-302, prior to registering an agricultural pesticide in the state, applicants shall submit the product chemistry and environmental fate data of the associated active ingredients to ADEQ for review and approval based on its validity, completeness and adequacy. An agricultural pesticide cannot be registered in the state without completing these processes, otherwise a groundwater protection data gap will exist for such pesticide.

Since the implementation of the program in 1987, a total of 297 agricultural pesticide active ingredients have completed the above review and approval processes. Of these pesticide active ingredients, only 260 of them are currently found in 1,117 agricultural pesticides registered in the state during FY 2001. There are no existing groundwater protection data gaps for any registered agricultural pesticide as of June 30, 2001.

### Groundwater Protection List (GWPL)

After ADEQ reviews and approves the product chemistry and environmental fate data of the agricultural pesticide active ingredient, it is compared with specific numeric values (SNVs), which are criteria adopted by rule. The SNVs, found at A.A.C. R18-6-103, are based on EPA's criteria for identifying pesticide active ingredients that, based on mobility and persistence factors, may have the potential to leach to groundwater. The SNVs are presented in Table 1.

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

Agricultural pesticide active ingredients that fail one or more of the SNVs in both of the mobility and persistence factors are included on the GWPL. The current GWPL, which is composed of 152 agricultural pesticide active ingredients, was adopted by rule in 1992 (A.A.C. R18-6-301) based on the SNVs in Table 1 and the agricultural pesticides registration at the time. Each year a draft GWPL is established but is not effective unless adopted by rule. The FY 01 draft GWPL, which is presented in Table 2, contains 194 agricultural pesticide active ingredients and is based on the current agricultural pesticides registration.

<b>Table 2. Draft Ground Water Protection List</b>	
<b>C_CAS</b>	<b>C_name</b>
542-75-6	1,3-dichloropropene
1928-43-4	2,4-D 2-ethylhexyl ester
94-75-7	2,4-D Acid
33333-3333	2,4-D Alkanol* Amine Salts of Ethanol and Isopropanol
137335-70-7	2,4-D Alkyl* Amine *(as in tall oil fatty acids)
1929-73-3	2,4-D Butoxyethyl Ester
2212-54-6	2,4-D DDA (Dodecyclamine Salt)
5742-19-8	2,4-D Diethanolamine Salt
2008-39-1	2,4-D Dimethylamine Salt
533-23-3	2,4-D Ethylhexyl Ester
1713-15-1	2,4-D Isobutyl Ester
53404-37-8	2,4-D Isooctyl (2-ethyl-4-methylpentyl)
5742-17-6	2,4-D Isopropylamine Salt
2212-59-1	2,4-D N-Oleyl-1,3-propylenediamine Salt
28685-18-9	2,4-D Tda (Tetradecyclamine)
2646-78-8	2,4-D Triethylamine Salt
32341-80-3	2,4-D Triisopropanolamine Salt
32357-46-3	2,4-DB, Butoxyethyl Ester
2758-42-1	2,4-db, DMA Salt
30560-19-1	Acephate
135158-54-2	Acibenzolar-S-methyl
107-02-8	Acrolein
15972-60-8	Alachlor
116-06-3	Aldicarb
834-12-8	Ametryn
61-82-5	Amitrole
7778-39-4	Arsenic Acid
2302-17-2	Asulam, Sodium Salt
1912-24-9	Atrazine
86-50-0	Azinphos-methyl
131860-33-8	Azoxystrobin
22781-23-3	Bendiocarb
17804-35-2	Benomyl
314-40-9	Bromacil
53404-19-6	Bromacil, Lithum Salt
2008-41-5	Butylate
75-60-5	Cacodylic Acid (Dimethylarsinic Acid)
124-65-2	Cacodylic Acid, Sodium Salt
133-06-2	Captan

<b>Table 2. Draft Ground Water Protection List</b>	
<b>C_CAS</b>	<b>C_name</b>
63-25-2	Carbaryl
1563-66-2	Carbofuran
5234-68-4	Carboxin
128639-02-1	Carfentrazone-ethyl
76-06-2	Chloropicrin
1897-45-6	Chlorothalonil
64902-72-3	Chlorsulfuron
99129-21-2	Clethodim
1702-17-6	Clopyralid
13426-91-0	Copper Ethylenediamine
82027-59-6	Copper Triethanolamine Complex
33113-08-5	Copper Ammonium Carbonate
12069-69-1	Copper Carbonate
20427-59-2	Copper Hydroxide
7758-99-8	Copper Sulfate
420-04-2	Cyanamide
21725-46-2	Cyanazine
1134-23-2	Cycloate
66215-27-8	Cyromazine
52918-63-5	Deltamethrin
13684-56-5	Desmedipham
333-41-5	Diazinon
1918-00-9	Dicamba
25059-78-3	Dicamba, DEA Salt
2300-66-5	Dicamba, DMA Salt
10007-85-9	Dicamba, Potassium Salt
1982-69-0	Dicamba, Sodium Salt
1194-65-6	Dichlobenil
99-30-9	Dicloran
38727-55-8	Diethathyl Ethyl
43222-48-6	Difenzoquat Methyl Sulfate
60-51-5	Dimethoate
110488-70-5	Dimethomorph
957-51-7	Diphenamid
85-00-7	Diquat Dibromide
330-54-1	Diuron
79277-27-3	DPX-M6316
144-21-8	DSMA (Disodium Methanearsonate)
115-29-7	Endosulfan
145-73-3	Endothall

<b>Table 2. Draft Ground Water Protection List</b>	
<b>C_CAS</b>	<b>C_name</b>
2164-07-0	Endothall, Dipotassium Salt of
129-67-9	Endothall, Disodium Salt of
759-94-4	EPTC
16672-87-0	Ethephon
26225-79-6	Ethofumesate
13194-48-4	Ethoprop
56-38-2	Ethyl Parathion
2593-15-9	Etridiazole
22224-92-6	Fenamiphos
60168-88-9	Fenarimol
69806-50-4	Fluazifop-butyl
79241-46-6	Fluazifop-p/r-butyl
70124-77-5	Flucythrinate
142459-58-3	Flufenacet (Thiafluamide)
2164-17-2	Fluometuron
59756-60-4	Fluridone
66332-96-5	Flutolanil
102851-06-9	Fluvalinate
23422-53-9	Formetanate Hydrochloride
25954-13-6	Fosamine Ammonium
39148-24-8	Fosetyl-al
77182-82-2	Glufosinate-ammonium
38641-94-0	Glyphosate, Isopropylamine Salt
112226-61-6	Halofenozide
100784-20-1	Halosulfuran-methyl
51235-04-2	Hexazinone
35554-44-0	Imazalil
81405-85-8	Imazamethabenz-methyl (Meta)
81405-85-8	Imazamethabenz-methyl (Para)
104098-48-8	Imazapic
81335-37-7	Imazaquin
81335-77-5	Imazethapyr
101917-66-2	Imazethapyr, Ammonium Salt
138261-41-3	Imidacloprid
144171-61-9	Indoxacarb
42509-80-8	Isazophos
143390-89-0	Kresoxim - methyl
58-89-9	Lindane
330-55-2	Linuron
128-58-3	MAA - Methanearsonic Acid

<b>Table 2. Draft Ground Water Protection List</b>	
<b>C_CAS</b>	<b>C_name</b>
121-75-5	Malathion
28282-15-2	Maleic Hydrazide, Potassium Salt
12427-38-2	Maneb
94-74-6	MCPA
2039-46-5	MCPA, DMA Salt
26544-20-7	MCPA, Isooctyl Ester
3653-48-3	MCPA, Sodium Salt
70630-17-0	Mefenoxam
24307-26-4	Mepiquat Chloride
57837-19-1	Metalaxyl
108-62-3	Metaldehyde
137-42-8	Metam-Na (Sodium)
10265-92-6	Methamidophos
2032-65-7	Methiocarb
16752-77-5	Methomyl
298-00-0	Methyl Parathion
51218-45-2	Metolachlor
87392-12-9	Metolachlor - s
21087-64-9	Metribuzin
74223-64-6	Metsulfuron Methyl
7786-34-7	Mevinphos
6923-22-4	Monocrotophos
2163-80-6	Monosodium Methanearsonate (MSMA)
88671-89-0	Myclobutanil
15299-99-7	Napropamide
27314-13-2	Norflurazon
19044-88-3	Oryzalin
23135-22-0	Oxamyl
301-12-2	Oxydemeton-methyl
1910-42-5	Paraquat Dichloride
1114-71-2	Pebulate
732-11-6	Phosmet
13171-21-6	Phosphamidon
1918-02-1	Picloram
26952-20-5	Picloram, Isooctyl Ester of
2545-60-0	Picloram, Potassium Salt
6753-47-5	Picloram, Triisopropanolamine Salt
51-03-6	Piperonyl Butoxide
41198-08-7	Profenofos
1610-78-0	Prometon

<b>C_CAS</b>	<b>C_name</b>
7287-19-6	Prometryn
23950-58-5	Pronamide
25606-41-1	Propamocarb
60207-90-1	Propiconazole
94125-34-5	Prosulfuron
123312-89-0	Pymetrozine
1698-60-8	Pyrazon (Chlordiazon)
123343-16-8	Pyrithiobac Sodium
74051-80-2	Sethoxydim
122-34-9	Simazine
50723-80-3	Sodium Bentazon
7775-09-9	Sodium Chlorate
74222-97-2	Sulfometuron-methyl
81591-81-3	Sulfosate
35400-43-2	Sulprofos
112410-23-8	Tebufenozide
34014-18-1	Tebuthiuron
5902-51-2	Terbacil
13071-79-9	Terbufos
886-50-0	Terbutryn
117718-60-2	Thiazopyr
51707-55-2	Thidiazuron
59669-26-0	Thiodicarb
23564-05-8	Thiophanate-methyl
137-26-8	Thiram
87820-88-0	Tralkoxydim
43121-43-3	Triadimefon
52-68-6	Trichlorfon
55335-06-3	Triclopyr
64700-56-7	Triclopyr, Butoxyethyl Ester
57213-69-1	Triclopyr, Triethylamine Salt
26644-46-2	Triforine
95266-40-3	Trinexapac-ethyl
1929-77-7	Vernolate
50471-44-8	Vinclozolin

The GWPL provides information on pesticide active ingredients that ADEQ's groundwater and soil monitoring activities can target in areas where they are used. If these pesticide active ingredients are detected in the groundwater or soil

as a result of agricultural activities, ADEQ may, depending on the detected level, require registrants to modify their use patterns or cancel the registration to prevent further contamination.

### **Sales and Use Information on Agricultural Pesticides Containing Active Ingredients on the GWPL**

ADEQ implemented the sales and use reporting requirement for agricultural pesticides containing active ingredients on the GWPL intended for soil application after the rule was adopted in 1992. Since all the information required under A.A.C. R18-6-303 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 pesticide sellers and users to use Form 1080 to fulfill this reporting requirement if the sales and use of the agricultural pesticides is in Arizona. For the sales of agricultural pesticide to be used outside Arizona, sellers and users must submit the required information in an ADEQ-designated form.

The sales and use information is presented in the following tables.

- ◆ Sales information on agricultural pesticides containing active ingredients on the adopted GWPL that were intended for soil application outside Arizona between Jan. 1, 2000 and Dec. 31, 2000 (Table 3)
- ◆ Sales information on agricultural pesticides containing active ingredients on the adopted GWPL that were intended for soil application within Arizona between Jan. 1, 2000 and Dec. 31, 2000 (Table 4)
- ◆ Use information on agricultural pesticides containing active ingredients on the adopted GWPL that were intended for soil application within each county in Arizona between Jan. 1, 2000 and Dec. 31, 2000 (Table 5)

A total of 104 soil-applied agricultural pesticides containing 64 GWPL active ingredients were sold or used in Arizona between Jan. 1, 2000 and Dec. 31, 2000.

#### ***Table 3. Pesticides Sold Outside Arizona During Jan. 1, 2000 - December 31, 2000***

No reported sales outside Arizona in 2000.

**Table 4. Reported Pesticide Sales in Arizona During Jan. 1, 2000-Dec. 31, 2000**

EPA 1	EPA 2	EPA 3	Brand	Active Ingredient	Total Chemical	Units
100	452				20.00	Gal
62719	32		Telone II	1,3-dichloropropene	50303.10	Gal
59639	89		Orthene 90 WSP	Acephate	702.10	Lbs
59639	75		Payload 15 Granular	Acephate	600.00	Lbs
264	330		Temik 15G	Aldicarb	14762.00	Lbs
100	497		Aatrex 4L Herbicide	Atrazine	30.00	Gal
19713	11		Atrazine 4L	Atrazine	1038.50	Gal
5905	470		Atrazine 4L	Atrazine	45.00	Gal
34704	69		Atrazine 4L Herbicide	Atrazine	337.50	Gal
19713	76		Atrazine 90DF	Atrazine	120.00	Lbs
51036	248		Sutan+ 6.7E	Butylate	130.00	Gal
2935	366		Sevin 5	Carbaryl	1499.58	Lbs
279	2876		Furadan 4F Insecticide/ Nematocide	Carbofuran	203.75	Gal
1812	334		Kocide DF	Copper Hydroxide	200.00	Lbs
352	470		Bladex 4L	Cyanazine	637.88	Gal
1812	366		Cy-pro 4L	Cyanazine	1684.50	Gal
10163	104		Diazinon 14G	Diazinon	21023.52	Lbs
2935	408		Diazinon 14G	Diazinon	758.10	Lbs
10163	100		Diazinon 4E	Diazinon	210.05	Gal
51036	71		Diazinon Ag 500	Diazinon	6.98	Gal
100	784		D.z.n. Diazinon Ag 600	Diazinon	299.54	Gal
45639	54		Antor 4ES	Diethathyl Ethyl	97.52	Gal
19713	231		Drexel Dimethoate 4EC	Dimethoate	10.00	Gal
1812	257		Direx 4L	Diuron	1701.91	Gal
19713	36		Diuron 4L	Diuron	584.40	Gal
352	508		Karmex DF	Diuron	12.00	Lbs
45639	161		Ginstar EC	Diuron + Thidiazuron	0.50	Gal
279	2924		Thiodan 3 EC	Endosulfan	22.50	Gal
10182	199		Eptam 20G	EPTC	21175.80	Lbs
10182	220		Eptam 7E	EPTC	609.64	Gal
10182	223		Eradicane	EPTC	165.00	Gal
3125	283		Nemacur 3	Fenamiphos	374.00	Gal
100	642		Cotoran 4l	Fluometuron	208.50	Gal
1812	439		Cotoran 4l	Fluometuron	105.00	Gal
524	445		Honcho	Glyphosate, Isopropylamine Salt	652.73	Gal
524	475		Mon-65005 Herbicide	Glyphosate, Isopropylamine Salt	1060.25	Gal
241	350		Pursuit DG	Imazethapyr	16.20	Lbs
241	386		Pursuit WDG Herbicide	Imazethapyr	2.70	Lbs
241	310		Pursiut Herbicide	Imazethapyr, Ammonium Salt	3.04	Gal
2935	83		Malathion 8 Spray	Malathion	42.77	Gal
10163	21		Prokil Malathion 8E	Malathion	264.00	Gal

**Table 4. Reported Pesticide Sales in Arizona During Jan. 1, 2000-Dec. 31, 2000**

EPA 1	EPA 2	EPA 3	Brand	Active Ingredient	Total Chemical	Units
1812	251		Manex Fungicide	Maneb	97.50	Gal
55146	73		Ultra Flourish Fungicide	Metalaxyl	31.30	Gal
5481	423		Metam 426	Metam-Na	1160.00	Gal
70166	6		Sectagon 42	Metam-Na	37196.00	Gal
5481	468		Vapam HL Soil Fumigant	Metam-Na	19646.50	Gal
352	342		Lannate	Methomyl	212.59	Lbs
352	384		Lannate LV	Methomyl	17.50	Gal
100	711		Dual II	Metolachlor	78.75	Gal
100	816		Dual Magnum Herbicide	Metolachlor	26.52	Gal
3125	314		Sencor 4 Flowable Herbicide	Metribuzin	52.50	Lbs
3125	325		Sencor 75	Metribuzin	1361.87	Lbs
19713	42		MSMA 6 Plus	Monosodium Methanearsonate	62.75	Gal
50534	6		Bueno 6	MSMA	322.50	Gal
10182	258		Devinol 50-DF	Napropamide	1091.00	Lbs
100	840		Zorial 5G	Norflurazon	1900.00	Lbs
100	848		Zorial Rapid 80	Norflurazon	140.00	Lbs
707	243		Goal T/O 2XL	Oxyfluorfen	17.50	Gal
10182	280		Gramoxone Extra Herbicide	Paraquat Dichloride	161.48	Gal
100	620		Caparol	Prometryn	763.80	Gal
1812	274		Cotton Pro	Prometryn	6067.73	Gal
10163	94		Prometryn 4L	Prometryn	88.00	Gal
34704	692		Prometryn 4L	Prometryn	792.63	Gal
9779	297		Prometryne 4L	Prometryn	25.00	Gal
707	159		Kerb 50W	Pronamide	22114.52	Lbs
7969	58		Basf Poast Herbicide	Sethoxydim	60.74	Gal
100	603		Princep Caliber 90	Simazine	2051.00	Lbs
4581	322		Topsin M	Thiophanate-methyl	17.50	Lbs
4581	377		Topsin M WSB	Thiophanate-methyl	253.55	Lbs
7969	85		Roniln DF	Vinclozolin	1913.42	Lbs

*\*Listed EPA numbers that do not have a known brand name or active ingredient.*

**Table 5. Reported Pesticide Applications by County January 1, 2000 - December 31, 2000**

EPA 1	EPA 2	EPA 3	Brand	Active Ingredient	Total Chemical	Units	County
59639	75		Payload 15 Granular	Acephate	600.00	Lbs	COC
264	330		Temik 15G	Aldicarb	3510.00	Lbs	COC
19713	11		Atrazine 4L	Atrazine	488.50	Gal	COC
34704	69		Atrazine 4L Herbicide	Atrazine	162.50	Gal	COC

**Table 5. Reported Pesticide Applications by County January 1, 2000 - December 31, 2000**

EPA 1	EPA 2	EPA 3	Brand	Active Ingredient	Total Chemical	Units	County
19713	76		Atrazine 90DF	Atrazine	120.00	Lbs	COC
279	2876		Furadan 4F Insecticide/ Nematocide	Carbofuran	173.75	Gal	COC
524	475		MON-65005 Herbicide	Glyphosate, Isopropylamine Salt	65.00	Gal	COC
100	711		Dual II	Metolachlor	78.75	Gal	COC
10182	258		Devinol 50DF	Napropamide	1091.00	Lbs	COC
1812	274		Cotton Pro	Prometryn	30.00	Gal	COC
9779	297		Prometryne 4L	Prometryn	25.00	Gal	COC
707	159		Kerb 50W	Pronamide	240.00	Lbs	COC
100	497		Aatrex 4L Herbicide	Atrazine	30.00	Gal	GRA
19713	11		Atrazine 4L	Atrazine	550.00	Gal	GRA
34704	69		Atrazine 4L Herbicide	Atrazine	145.00	Gal	GRA
279	2876		Furadan 4F Insecticide/ Nematocide	Carbofuran	30.00	Gal	GRA
264	330		Temik 15G	Aldicarb	630.00	Lbs	LAP
2935	366		Sevin 5	Carbaryl	1499.58	Lbs	LAP
352	470		Bladex 4L	Cyanazine	136.80	Gal	LAP
100	784		D.Z.N. Diazinon Ag600	Diazinon	266.90	Gal	LAP
10182	199		Eptam 20G	EPTC	6781.80	Lbs	LAP
2935	83		Malathion 8 Spray	Malathion	42.77	Gal	LAP
5481	423		Metam 426	Metam-Na	980.00	Gal	LAP
70166	6		Sectagon 42	Metam-Na	20961.00	Gal	LAP
100	840		Zorial 5G	Norflurazon	1900.00	Lbs	LAP
1812	274		Cotton Pro	Prometryn	381.75	Gal	LAP
34704	692		Prometryn 4L	Prometryn	182.63	Gal	LAP
62719	32		Telone II	1,3-dichloropropene	49024.10	Gal	MAR
264	330		Temik 15G	Aldicarb	9110.00	Lbs	MAR
5905	470		Atrazine 4L	Atrazine	45.00	Gal	MAR
352	470		Bladex 4L	Cyanazine	377.33	Gal	MAR
1812	366		Cy-pro 4L	Cyanazine	565.35	Gal	MAR
10163	100		Diazinon 4E	Diazinon	2.19	Gal	MAR
100	784		D.Z.N. Diazinon Ag 600	Diazinon	30.14	Gal	MAR
1812	257		Direx 4L	Diuron	1213.41	Gal	MAR
19713	36		Diuron 4L	Diuron	187.40	Gal	MAR
10182	199		Eptam 20G	EPTC	6425.00	Lbs	MAR
10182	223		Eradicane	EPTC	165.00	Gal	MAR
524	475		Mon-65005 Herbicide	Glyphosate, Isopropylamine Salt	759.00	Gal	MAR
241	350		Pursuit DG	Imazethapyr	10.80	Lbs	MAR

**Table 5. Reported Pesticide Applications by County January 1, 2000 - December 31, 2000**

EPA 1	EPA 2	EPA 3	Brand	Active Ingredient	Total Chemical	Units	County
10163	21		Prokil Malathion 8E	Malathion	264.00	Gal	MAR
70166	6		Sectagon 42	Metam-Na	13431.00	Gal	MAR
3125	314		Sencor 4 Flowable Herbicide	Metribuzin	52.50	Lbs	MAR
3125	325		Sencor 75	Metribuzin	1354.00	Lbs	MAR
19713	42		MSMA 6 Plus	Monosodium Methanearsonate	37.75	Gal	MAR
50534	6		Bueno 6	MSMA	230.00	Gal	MAR
100	620		Caparol	Prometryn	262.30	Gal	MAR
1812	274		Cotton Pro	Prometryn	1596.60	Gal	MAR
34704	692		Prometryn 4L	Prometryn	115.00	Gal	MAR
4581	322		Topsin M	Thiophanate-methyl	17.50	Lbs	MAR
4581	377		Topsin M WSB	Thiophanate-methyl	253.55	Lbs	MAR
10163	100		Diazinon 4E	Diazinon	18.25	Gal	MOH
100	642		Cotoran 4L	Fluometuron	60.00	Gal	MOH
524	475		Mon-65005 Herbicide	Glyphosate, Isopropylamine Salt	125.00	Gal	MOH
1812	274		Cotton Pro	Prometryn	85.50	Gal	MOH
524	445		Honcho	Glyphosate, Isopropylamine Salt	5.00	Gal	PIM
100	620		Caparol	Prometryn	331.00	Gal	PIM
1812	274		Cotton Pro	Prometryn	419.25	Gal	PIM
62719	32		Telone II	1,3-dichloropropene	544.00	Gal	PIN
264	322		Temic 10G	Aldicarb	1512.00	Lbs	PIN
34704	69		Atrazine 4L Herbicide	Atrazine	30.00	Gal	PIN
51036	248		Sutan+ 6.7E	Butylate	130.00	Gal	PIN
1812	334		Kocide DF	Copper Hydroxide	200.00	Lbs	PIN
352	470		Bladex 4L	Cyanazine	12.50	Gal	PIN
1812	366		Cy-Pro 4L	Cyanazine	1049.25	Gal	PIN
19713	231		Drexel Dimethoate 4EC	Dimethoate	2.50	Gal	PIN
1812	257		Direx 4L	Diuron	488.50	Gal	PIN
19713	36		Diuron 4L	Diuron	397.00	Gal	PIN
352	508		Karmex DF	Diuron	12.00	Lbs	PIN
45639	161		Ginstar EC	Diuron + Thidiazuron	0.50	Gal	PIN
10182	199		Eptam 20G	EPTC	7969.00	Lbs	PIN
10182	220		Eptam 7E	EPTC	23.60	Gal	PIN
3125	283		Nemacur 3	Fenamiphos	374.00	Gal	PIN
1812	439		Cotoran 4L	Fluometuron	105.00	Gal	PIN
100	642		Cotoran 4L	Fluometuron	148.50	Gal	PIN
524	475		Mon-65005 Herbicide	Glyphosate, Isopropylamine Salt	103.75	Gal	PIN
241	350		Pursuit DG	Imazethapyr	5.40	Lbs	PIN

**Table 5. Reported Pesticide Applications by County January 1, 2000 - December 31, 2000**

EPA 1	EPA 2	EPA 3	Brand	Active Ingredient	Total Chemical	Units	County
241	310		Pursiut Herbicide	Imazethapyr, Ammonium Salt	3.04	Gal	PIN
352	384		Lannate LV	Methomyl	17.50	Gal	PIN
100	816		Dual Magnum Herbicide	Metolachlor	6.62	Gal	PIN
50534	6		Bueno 6	MSMA	92.50	Gal	PIN
100	848		Zorial Rapid 80	Norflurazon	140.00	Lbs	PIN
10182	280		Gramoxone Extra Herbicide	Paraquat Dichloride	15.00	Gal	PIN
100	620		Caparol	Prometryn	165.50	Gal	PIN
1812	274		Cotton Pro	Prometryn	3554.63	Gal	PIN
10163	94		Prometryn 4L	Prometryn	88.00	Gal	PIN
34704	692		Prometryn 4L	Prometryn	495.00	Gal	PIN
7969	58		Basf Poast Herbicide	Sethoxydim	22.50	Gal	PIN
100	452		*	*	20.00	Gal	PIN
62719	32		Telone II	1,3-dichloropropene	735.00	Gal	YUM
59639	89		Orthene 90 WSP	Acephate	702.10	Lbs	YUM
352	470		Bladex 4L	Cyanazine	111.25	Gal	YUM
1812	366		Cy-Pro 4L	Cyanazine	69.90	Gal	YUM
2935	408		Diazinon 14G	Diazinon	758.10	Lbs	YUM
10163	104		Diazinon 14G	Diazinon	21023.52	Lbs	YUM
10163	100		Diazinon 4E	Diazinon	189.61	Gal	YUM
51036	71		Diazinon Ag 500	Diazinon	6.98	Gal	YUM
100	784		D.Z.N. Diazinon Ag 600	Diazinon	2.50	Gal	YUM
45639	54		Antor 4ES	Diethathyl Ethyl	97.52	Gal	YUM
19713	231		Drexel Dimethoate 4EC	Dimethoate	7.50	Gal	YUM
279	2924		Thiodan 3 EC	Endosulfan	22.50	Gal	YUM
10182	220		Eptam 7E	EPTC	586.04	Gal	YUM
524	445		Honcho	Glyphosate, Isopropylamine Salt	647.73	Gal	YUM
524	475		Mon-65005 Herbicide	Glyphosate, Isopropylamine Salt	7.50	Gal	YUM
241	386		Pursuit WDG Herbicide	Imazethapyr	2.70	Lbs	YUM
1812	251		Manex Fungicide	Maneb	97.50	Gal	YUM
55146	73		Ultra Flourish Fungicide	Metalaxyl	31.30	Gal	YUM
5481	423		Metam 426	Metam-Na	180.00	Gal	YUM
70166	6		Sectagon 42	Metam-Na	2804.00	Gal	YUM
5481	468		Vapam HL Soil Fumigant	Metam-Na	19646.50	Gal	YUM
352	342		Lannate	Methomyl	212.59	Lbs	YUM
100	816		Dual Magnum Herbicide	Metolachlor	19.90	Gal	YUM

**Table 5. Reported Pesticide Applications by County January 1, 2000 - December 31, 2000**

EPA 1	EPA 2	EPA 3	Brand	Active Ingredient	Total Chemical	Units	County
3125	325		Sencor 75	Metribuzin	7.87	Lbs	YUM
19713	42		MSMA 6 Plus	Monosodium Methanearsonate	25.00	Gal	YUM
10182	280		Gramoxone Extra Herbicide	Paraquat Dichloride	146.48	Gal	YUM
100	620		Caparol	Prometryn	5.00	Gal	YUM
707	159		Kerb 50W	Pronamide	21874.52	Lbs	YUM
7969	58		Basf Poast Herbicide	Sethoxydim	38.24	Gal	YUM
100	603		Princep Caliber 90	Simazine	2051.00	Lbs	YUM
7969	85		Roniln DF	Vinclozolin	1913.42	Lbs	YUM

*\* Listed EPA numbers that do not have a known brand name or active ingredient.*

COC = Coconino  
 GRA = Graham  
 LAP = La Paz

MAR = Maricopa  
 MOH = Mohave  
 PIM = Pima

PIN = Pinal  
 YUM = Yuma