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

Pesticide Contamination Prevention Program Report

A.R.S. §49-303.C

Arizona's 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 use pesticides and is composed of the following four major components:

- Product chemistry and environmental fate review - Prior to registering an agricultural use pesticide, an applicant must submit product chemistry and environmental fate data for the associated active ingredient(s) to ADEQ for review and approval. Once the data requirements have been satisfied, ADEQ notifies the Department of Agriculture that the pesticide registration can be processed.
- Creation of the Groundwater Protection List (GWPL) – ADEQ evaluates the product chemistry and environmental fate data to determine whether an agricultural use pesticide active ingredient has the potential to pollute groundwater. Those active ingredients found to have the potential to pollute are placed on the Groundwater Protection List and regulated in accordance with A.R.S. 49-305.A.
- Soil and Groundwater Monitoring – ADEQ, in cooperation with the Department of Agriculture, monitors groundwater and soils in agricultural areas throughout the state for the presence of agricultural pesticide active ingredients on the GWPL.
- Annual Reports – ADEQ compiles and reports sales and use information on soil-applied agricultural use pesticides containing active ingredients that fail the specific numeric values (SNVs) and therefore have the potential to pollute groundwater. The SNVs are criteria, based on the persistence and mobility characteristics of the active ingredient, that have been adopted in rule (A.A.C. R18-6-103).

This report is in fulfillment of the fourth requirement, pursuant to A.R.S. §49-303.C, that ADEQ report to the Legislature by Dec. 1st of each year, the following information:

- A list of agricultural use pesticide active ingredients for which there is a groundwater protection data gap.
- A list of agricultural use pesticides containing an active ingredient that failed the specific numeric values presented in Table 1.
- The sales and use information on these pesticides that were soil applied in the state during the most recent year, where they were applied and for what purpose or condition the pesticide was used. This report covers calendar year 2003.

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. ADEQ's review is based on the validity, completeness and adequacy of the submitted data. An agricultural use pesticide cannot be registered in the state without completing this process. If an agricultural use pesticide is registered without ADEQ's review and approval, a groundwater protection data gap will exist. The Department of Agriculture will cancel the registration of any pesticides found to have a groundwater protection data gap. Since the implementation of the program in 1987, a total of 332 agricultural use pesticide active ingredients have completed the review and approval process and have been legally registered with the Arizona Department of Agriculture.

Groundwater Protection List

After the pesticide has completed the information submittal process and has been registered with the Department of Agriculture, the product chemistry and environmental fate data is compared to the specific numeric values (SNVs) in rule. The SNVs, found at A.A.C. R18-6-103 and in Table 1 below, are based on the Environmental Protection Agency's (EPA) criteria for identifying those pesticides with the potential to leach to and pollute groundwater. There are two different factors for assessing the potential of a pesticide to pollute groundwater: mobility and persistence.

Table 1: Specific Numeric Values	
Property	SNVs
Mobility Factor	
Water Solubility	> 30 parts per million
Soil Adsorption Coefficient	< 5 milliliters per gram
Persistence Factor	
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

Agricultural use pesticide active ingredients that fail at least one SNV in both the mobility and persistence factors will be placed on the GWPL. The current GWPL is composed of 152 agricultural pesticide active ingredients and was adopted by rule in 1992 (A.A.C. R18-6-301) and was developed based on the SNVs in Table 1. Each year a new draft GWPL is established but does not become effective unless adopted by rule. The draft GWPL for 2003, which is presented in Table 2, contains 223 agricultural use pesticide active ingredients and includes the active ingredients from the 1992 GWPL plus all currently registered active ingredients that have failed at least one SNV in both mobility and persistence factors.

Table 2: Draft Groundwater Protection List for 2003

CAS Number	Chemical Name
542-75-6	1,3-Dichloropropene
1928-43-4	2,4-D 2-Ethylhexyl Ester
94-75-7	2,4-D Acid
	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
94-80-4	2,4-D Butyl Ester
2212-54-6	2,4-D DDA (Dodecyclamine Salt)
5742-19-8	2,4-D Diethanolamine Salt
20940-37-8	2,4-D Diethylamine 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
25168-26-7	2,4-D Isooctyl Ester
94-11-1	2,4-D Isopropyl Ester of
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
16165-67-0	2,4-DP-P
30560-19-1	Acephate
135410-20-7	Acetamiprid
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
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
16828-95-8	Copper Ammonia Complex
33113-08-5	Copper Ammonium Carbonate
12069-69-1	Copper Carbonate
14215-52-2	Copper Ethanolamine Complex
13426-91-0	Copper Ethylenediamine
9007-39-0	Copper Salts of Fatty & Rosin Acids
1344-73-6	Copper Sulfate, Basic
1332-14-5	Copper Sulfate, Basic (2+)
82027-59-6	Copper Triethanolamine Complex
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
104040-79-1	Dicamba, DGA 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
109293-97-2	Diflufenzopyr
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)
137512-74-4	Emamectin Benzoate

115-29-7	Endosulfan
145-73-3	Endothall
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 or 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
25954-13-6	Fosamine Ammonium
39148-24-8	Fosetyl-Al
77182-82-2	Glufosinate-Ammonium
1071-83-6	Glyphosate (Group)
114370-14-8	Glyphosate Ammonium Salt
38641-94-0	Glyphosate, Isopropylamine Salt
70901-12-1	Glyphosate, Potassium Salt
112226-61-6	Halofenozide
100784-20-1	Halosulfuron-Methyl
51235-04-2	Hexazinone
35554-44-0	Imazalil
114311-32-9	Imazamox
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
42509-80-8	Isazophos
143390-89-0	Kresoxim Methyl
58-89-9	Lindane
330-55-2	Linuron
128-58-3	MAA (Methanearsonic Acid)
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
29450-45-1	MCPA, 2 Ethylhexyl Ester
26544-20-7	MCPA, Isooctyl Ester
3653-48-3	MCPA, Sodium Salt
16484-77-8	Mecoprop-P (MCP-P)
70630-17-0	Mefenoxam
24307-26-4	Mepiquat Chloride
245735-90-4	Mepiquat Pentaborate
208465-21-8	Mesosulfuron-Methyl
57837-19-1	Metalaxyl
108-62-3	Metaldehyde
137-41-7	Metam-K (Potassium)
137-42-8	Metam-Na (Sodium)
10265-92-6	Methamidophos
2032-65-7	Methiocarb
16752-77-5	Methomyl
161050-58-4	Methoxyfenozide
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
111991-09-04	Nicosulfuron
27314-13-2	Norflurazon
19044-88-3	Oryzalin
23135-22-0	Oxamyl
301-12-2	Oxydemeton-Methyl
4685-14-7	Paraquat
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
7287-19-6	Prometryn
23950-58-5	Pronamide
25606-41-1	Propamocarb
60207-90-1	Propiconazole

94125-34-5	Prosulfuron
123312-89-0	Pymetrozine
129630-19-9	Pyraflufen-Ethyl
1698-60-8	Pyrazon (Chlordiazon)
123343-16-8	Pyrithiobac Sodium
84087-01-4	Quinclorac
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
111988-49-9	Thiacloprid
153719-23-4	Thiamethoxam
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
199119-58-9	Trifloxysulfuron-Sodium
26644-46-2	Triforine
95266-40-3	Trinexapac-Ethyl
1929-77-7	Vernolate
50471-44-8	Vinclozolin

The GWPL and the annual reports provide information on pesticide active ingredients and where and when they were applied. ADEQ can then focus its groundwater and soil monitoring activities in these areas. If these pesticide 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 patterns and use or cancel the registration to prevent further contamination.

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

State rules require a pesticide dealer to file quarterly reports on the quantity and date of sales of agricultural use pesticides on the Groundwater Protection List that are soil applied (A.A.C R18-6-303). 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 has allowed the pesticide sellers and users to use Form 1080 to fulfill the reporting requirement of sales and use of the agricultural pesticides in Arizona.

For the sale of agricultural pesticide to be used outside Arizona, sellers and users must submit the required information in ADEQ-designated form. If pesticides are brought in from out of state for use here, reporting would be on the "Use Report" rather than the "Sale Report". Conversely, if pesticides are purchased here in Arizona but used in New Mexico, this would be reported on the "SALE" report, not the "USE" report.

A total of 62 soil-applied agricultural pesticides containing 44 different active ingredients that failed the SNVs were sold or used in Arizona between Jan. 1, 2003 and Dec. 31, 2003. The sales and use information are presented in the following tables.

- Sales information on agricultural pesticides containing active ingredients on the draft GWPL (Table 2) that were intended for soil application outside Arizona between Jan. 1, 2003 and Dec. 31, 2003 (Table 3)
- Sales information on agricultural pesticides containing active ingredients on the draft GWPL (Table 2) that were intended for soil application within Arizona between Jan. 1, 2003 and Dec. 31, 2003 (Table 4)
- Use information on agricultural pesticides containing active ingredients on the draft GWPL (Table 2) that were intended for soil application within each county in Arizona between Jan. 1, 2003 and Dec. 31, 2003 (Table 5)

<i>Table 3: Pesticides Containing Active Ingredients on the Draft Groundwater Protection List Sold Outside Arizona During Jan. 1, 2003 to Dec. 31, 2003</i>
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No reported sales outside Arizona during Jan. 1, 2003 to Dec. 31, 2003.

Table 4: Reported Sales in Arizona During Jan. 1, 2003 to Dec. 31, 2003

EPA 1	EPA 2	EPA 3	Brand Name	Active Ingredient	Total Chemical	Unit
62719	32		Telone II	1,3-Dichloropropene	13305.50	GAL
62719	321		Telone EC	1,3-Dichloropropene	45314.26	GAL
1381	103		2,4-D Amine 4	2,4-D DMA Salt	100.00	GAL
56077	26		Butoxone 200 Herbicide	2,4-DB DMA Salt	9.25	GAL
59639	89		Orthene 75 WSP	Acephate	332.00	LBS
264	330		Temik 15 D (SLN AZ-820015)	Aldicarb	810.00	LBS
100	497		Aatrex 4 L	Atrazine	352.50	GAL
19713	60		Drexel Atrazine 4 L Herbicide	Atrazine	113.88	GAL
2935	366		Sevin 5 Bait	Carbaryl	3505.70	LBS
279	2876		Furadan 4 F (SLN AZ-910001)	Carbofuran	78.50	GAL
279	3241		Aim EC Herbicide	Carfentrazone-Ethyl	1.72	GAL
58266	5	11220	Tri-Clor EC Fumigant	Chloropicrin	32064.00	LBS
59639	3		Select 2 EC Herbicide	Clethodim	6.50	GAL
10163	100		Gowan Diazinon 4 E	Diazinon	358.31	GAL
10163	104		Gowan Diazon 14 G	Diazinon	2088.00	LBS
2935	408		Diazinon 14 G	Diazinon	245.00	LBS
51036	110		Dimethoate 4 E (SLN AZ-890011)	Dimethoate	17.50	GAL
1812	257		Direx 4 L Herbicide	Diuron	540.93	GAL
17913	399		Drexel Endosulfan 3 EC (SLN AZ-980004)	Endosulfan	22.50	GAL
66222	63		Thionex 3 EC	Endosulfan	10.00	GAL
10182	199		Eptam 20 G Selective Herbicide	EPTC	7750.00	LBS
10182	220		Eptam 7 E Selective Herbicide	EPTC	520.49	GAL
1812	439		Cotoran 4 L Herbicide	Fluometuron	70.50	GAL
524	512		Roundup Ultramax Herbicide	Glyphosate, Isopropylamine	155.63	GAL
524	475		Roundup W	Glyphosate, Isopropylamine	94.55	GAL
62719	322		Glyphomax Plus	Glyphosate, Isopropylamine	218.69	GAL
71368	20		Nufarm Credit System Herbicide	Glyphosate, Isopropylamine	60.00	GAL
241	379		BASF Raptor Herbicide	Imazamox	5.00	GAL
241	350		Pursuit-DG Herbicide Eco-Pak TM Water Soluble Pack	Imazathapyr	11.70	LBS

EPA 1	EPA 2	EPA 3	Brand Name	Active Ingredient	Total Chemical	Unit
241	386		Pusuit WDG Herbicide Eco-Pak	Imazathapyr	5.40	LBS
3125	457		Provado 1.6 Flowable Insecticide	Imidacloprid	0.80	GAL
1812	251		Manex Fungicide Flowable With Zinc	Maneb	138.55	GAL
228	143		Nufarm Rhomene MCPA Broadleaf Herbicide	MCPA	57.50	GAL
100	801		Ridomil Gold EC Fungicide	Mefenoxam	62.92	GAL
51036	188		Mepichlor 4.2% Liquid	Mepiquat Chloride	29.00	GAL
55146	73		Ultra Flourish Agricultural Fungicide	Metalaxyl	136.71	GAL
5481	468		Vapam HL Soil Fumigant	Metam-Sodium	57255.66	GAL
61842	6		Sectagon 42 Funigant Solution For All Crops	Metam-Sodium	2750.00	GAL
352	342		Dupont Lannate SP Insecticide	Methomyl	366.00	LBS
62719	442		Intrepid 2 F	Methoxyfuroxide	39.47	GAL
100	816		Dual Magnum	Metolachlor	109.45	GAL
100	818		Dual II Magnum	Metolachlor	20.00	GAL
3125	325		Sencor 75 Turf Herbicide	Metribuzin	971.00	LBS
50534	6	10182	Bueno 6	MSMA	13.50	GAL
352	560		Dupont TM Accent [®] Herbicide	Nicosulfuron	3.75	LBS
55947	77		Sandoz-Zoral Rapid 80 Herbicide	Norflurazon	530.00	LBS
100	1074		Gramoxone Max	Paraquat Dichloride	68.71	GAL
100	620		Caparol 4 L	Prometryn	280.50	GAL
1812	274		Cotton-Pro Herbicide	Prometryn	2198.00	GAL
37404	692		Prometryn 4 L Herbicide	Prometryn	20.00	GAL
1812	274	66222	Prometryn 4 L CA/AZ	Prometryn	13.75	GAL
66222	15		Prometryn 4 L	Prometryn	498.00	GAL
62719	397		Kerb 50 W (SLN AZ-020010)	Pronamide	14974.55	LBS
707	159		Kerb 50 W Selective Herbicide (SLN AX-790036)	Pronamide	7128.54	LBS
100	912		Fulfill	Pymetrozine	4.83	LBS
352	576		Dupont TM Staple [®] Herbicide	Pyriithiobac-Sodium	33.94	LBS
7969	58	51036	Poast	Sethoxydim	53.28	GAL
19713	60		Drexel Simazine 4 L	Simazine	349.90	GAL
707	238		Confirm 2 F Agricultural Insecticide (Sec 18 98-AZ-09)	Tebufenozide	7.40	GAL
100	939		Platinum	Thiamethoxam	4.50	GAL
4581	377		Topsin M WSB	Thiophanate-Methyl	225.05	LBS
4581	408		Topsin M WSB	Thiophanate-Methyl	101.05	LBS

Table 5: Reported Pesticide Applications by County Jan. 1, 2003 to Dec. 31, 2003

County codes: APA = Apache; COC = Coconino; COH = Cochise; GIL = Gila; GRA = Graham; GRE = Greenlee; LAP = La Paz; MAR = Maricopa; MOH = Mohave; NAV = Navajo; PIM = Pima; PIN = Pinal; SAN = Santa Cruz; YAV = Yavapai; YUM= Yuma

EPA1	EPA2	EPA3	Brand Name	Active Ingredient	Total Chemical	Unit	County
1381	103		2,4-D Amine 4	2,4-D DMA Salt	100.00	GAL	COC
100	497		Aatrex 4L	Atrazine	50.00	GAL	COC
19713	11		Drexel Atrazine 4L Herbicide	Atrazine	112.50	GAL	COC
279	2876		Furadan 4 F (SLN AZ-910001)	Carbofuran	60.00	GAL	COC
524	475		Roundup W	Glyphosate, Isopropylamine	94.55	GAL	COC
62719	322		Glyphomax Plus	Glyphosate, Isopropylamine	162.50	GAL	COC
352	560		Dupont (TM) Accent (R) Herbicide	Nicosulfuron	3.75	LBS	COC
100	497		Aatrex 4 L	Atrazine	197.50	GAL	GRA
100	818		Dual II Magnum	Metolachlor	20.00	GAL	GRA
62719	321		Telone EC	1,3-Dichloropropene	30543.46	GAL	LAP
2935	366		Sevin 5 Bait	Carbaryl	3505.70	LBS	LAP
279	2876		Furadan 4 F (SLN AZ-910001)	Carbofuran	15.00	GAL	LAP
10163	100		Gowan Diazinon 4 E	Diazinon	8.57	GAL	LAP
51036	110		Dimethoate 4E (SLN AZ-890011)	Dimethoate	17.50	GAL	LAP
100	801		Ridomil Gold EC Fungicide	Mefenoxam	54.06	GAL	LAP
5481	468		Vapam HL Soil Fumigant	Metam-Sodium	25691.26	GAL	LAP
4581	377		Topsin M WSB	Thiophanate-Methyl	170.05	LBS	LAP
4581	408		Topsin M WSB	Thiophanate-Methyl	101.05	LBS	LAP
62719	32		Telone II	1,3-Dichloropropene	11932.50	GAL	MAR
62719	321		Telone EC	1,3-Dichloropropene	14770.80	GAL	MAR
56077	26		Butoxone 200 Herbicide	2,4-DB DMA Salt	9.25	GAL	MAR
19713	11		Drexel Atrazine 4 L Herbicide	Atrazine	1.38	GAL	MAR
58266	5	11220	Tri-Clor EC Fumigant	Chloropicrin	25264.00	LBS	MAR
59639	3		Select 2 EC Herbicide	Clethodim	3.50	GAL	MAR
10163	104		Gowan Diazinon 14 G	Diazinon	350.00	LBS	MAR

EPA1	EPA2	EPA3	Brand Name	Active Ingredient	Total Chemical	Unit	County
2935	408		Diazinon 14 G	Diazinon	245.00	LBS	MAR
1812	257		Derex 4 L Herbicide	Diuron	418.05	GAL	MAR
10182	199		Eptam 20 G Selective Herbicide	EPTC	7750.00	LBS	MAR
10182	220		Eptam 7 E Select, Herbicide	EPTC	425.90	GAL	MAR
524	512		Roundup Ultramax Herbicide	Glyphosate, Isopropylamine	38.13	GAL	MAR
71368	20		Nufarm Credit Systemic Herbicide	Glyphosate, Isopropylamine	60.00	GAL	MAR
241	350		Pursuit-DG Herbicide Eco-Pak™ Water Soluble Packets	Imazathapyr	4.50	LBS	MAR
5481	468		Vapam HL Soil Fumigant	Metam-Sodium	8600.00	GAL	MAR
3125	325		Sencor 75 Turf Herbicide	Metribuzin	951.00	LBS	MAR
50534	6	10182	Bueno 6	MSMA	13.50	GAL	MAR
100	620		Caparol 4 L	Prometryn	49.50	GAL	MAR
1812	274		Cotton-Pro Herbicide	Prometryn	755.00	GAL	MAR
1812	274	66222	Prometryn 4 L CA/AZ	Prometryn	13.75	GAL	MAR
34704	692		Prometryne 4 L Herbicide	Prometryn	20.00	GAL	MAR
66222	15		Prometryn 4 L	Prometryn	107.50	GAL	MAR
352	576		Dupont™ Staple® Herbicide	Pyriithiobac-Sodium	33.94	LBS	MAR
7969	58	51036	Poast	Sethoxydim	53.28	GAL	MAR
100	939		Platinum	Thiamethoxam	4.50	GAL	MAR
4581	377		Topsin M WSB	Thiophanate-Methyl	55.00	LBS	MAR
66222	63		Thionex 3 EC	Endosulfan	10.00	GAL	MOH
1812	274		Cotton-Pro Herbicide	Prometryn	47.25	GAL	MOH
100	620		Caparol 4 L	Prometryn	231.00	GAL	PIM
1812	274		Cotton-Pro Herbicide	Prometryn	400.50	GAL	PIM
62719	32		Telone II	1,3-Dichloropropene	1372.00	GAL	PIN
264	330		Temik 15 G (SLN AZ-820015)	Aldicarb	810.00	LBS	PIN
100	497		Aatrex 4 L	Atrazine	105.00	GAL	PIN
279	2876		Furadan 4 F (SLN AZ-910001)	Carbofuran	3.50	GAL	PIN
58266	5	11220	Tri-clor E L Fumigant	Chloropicrin	6800.00	LBS	PIN
1812	257		Direx 4 L Herbicide	Diuron	122.88	GAL	PIN
1812	439		Cotoran 4 L Herbicide	Fluometuron	70.50	GAL	PIN
241	379		BASF Raptor Herbicide	Imazamox	5.00	GAL	PIN

EPA1	EPA2	EPA3	Brand Name	Active Ingredient	Total Chemical	Unit	County
241	350		Pursuit -DG Herbicide Eco-Pak™ Water Soluble Packets	Imazathapyr	7.20	LBS	PIN
228	143	71368	Nufarm Rhomene MCPA Broadleaf Herbicide	MCPA	57.50	GAL	PIN
100	816		Dual Magnum	Metolachlor	15.00	GAL	PIN
55947	77		Sandoz--Zorial Rapid 80 Herbicide	Norflurazon	530.00	LBS	PIN
1812	274		Cotton-Pro Herbicide	Prometryn	900.25	GAL	PIN
66222	15		Prometryn 4 L	Prometryn	390.50	GAL	PIN
59639	89		Orthene 75 WSP	Acephate	332.00	LBS	YUM
279	3241		Aim EC Herbicide	Carfentrazone-Ethyl	1.72	GAL	YUM
59639	3		Select 2 EC Herbicide	Clethodim	3.00	GAL	YUM
10163	100		Gowan Diazinon 4 E	Diazinon	347.75	GAL	YUM
10163	100		Gowan Diazinon 4 E	Diazinon	1.99	GA	YUM
10163	104		Gowan Diazinon 14 G	Diazinon	1738.00	LBS	YUM
19713	399		Drexel Endosulfan 3 EC (SLN AZ-980004)	Endosulfan	22.50	GAL	YUM
10182	220		Eptam 7 E Select, Herbicide	EPTC	94.59	GAL	YUM
524	512		Roundup Ultramax Herbicide	Glyphosate, Isopropylamine	117.50	GAL	YUM
62719	322		Glyphomax Plus	Glyphosate, Isopropylamine	56.19	GAL	YUM
241	386		Pursuit WDG Herbicide Eco-Pak	Imazathapyr	5.40	LBS	YUM
3125	457		Provado 1.6 Flowable Insecticide	Imidacloprid	0.80	GAL	YUM
1812	251		Manex Fungicide Flowable With Zinc	Maneb	138.55	GAL	YUM
100	801		Ridomil Gold EC Fungicide	Mefenoxam	8.86	GAL	YUM
51036	188		Mepichlor 4.2% Liquid	Mepiquat Chloride	29.00	GAL	YUM
55146	73		Ultra Flourish Agricultural Fungicide	Metalaxyl	136.71	GAL	YUM
5481	468		Vapam HL Soil Fumigant	Metam-Sodium	22964.40	GAL	YUM
61842	6		Sectagon 42 Fumigant Solution For All Crops	Metam-Sodium	2750.00	GAL	YUM
352	342		Dupont Lannate SP Insecticide	Methomyl	366.00	LBS	YUM
62719	442		Intrepid 2 F	Methoxyfuroxide	39.47	GAL	YUM
100	816		Dual Magnum	Metolachlor	94.45	GAL	YUM
3125	325		Sencor 75 Turf Herbicide	Metribuzin	20.00	LBS	YUM
100	1074		Gramoxone Max	Paraquat Dichloride	68.71	GAL	YUM
1812	274		Cotton-Pro Herbicide	Prometryn	95.00	GAL	YUM
62719	397		Kerb 50-W (SLN AZ-020010)	Pronamide	14974.55	LBS	YUM

EPA1	EPA2	EPA3	Brand Name	Active Ingredient	Total Chemical	Unit	County
707	150		Kerb 50 W Selective Herbicide (SLN AZ-790036)	Pronamide	7128.54	LBS	YUM
100	912		Fulfill	Pymetrozine	4.83	LBS	YUM
19713	60		Drexel Simazine 4 L	Simazine	349.90	GAL	YUM
707	238		Confirm 2 F Agricultural Insecticide (SEC 1898-AZ-09,10)	Tebufenozide	7.40	GAL	YUM