

Table 1. Chemicals Eliminated from Consideration for Monitoring

"Oils"	Chlorpicrin
Polypropylene glycol	1,3-dichloropropene
Zinc (reviewed as metal)	Metam sodium
Heptamethyl trisiloxane	Giberellins
Aluminum phosphide	Isopropyl alcohol
Biologicals (e.g. BT)	Sulfur
Methyl bromide	Kaolin
Phosphine	Petroleum distillates

Table 2. Pesticides applied in watershed by month. Pounds applied are summed over three years. The watershed is 2714 acres.

Chemical	Pounds	Acres	Pounds per Acre	Pounds per watershed	Acute Benchmark	Ratio
Jan						
GLYPHOSATE, POTASSIUM SALT	232.3272	148.3	1.580333	0.0856032	14691	0.015814
PENDIMETHALIN	140.4349	148.3	0.947	0.0517446	5.2	27.00671
METRIBUZIN	62.25	83	0.75	0.0229366	8.7	7.155172
PARAQUAT DICHLORIDE	55.8602	83	0.673	0.0205822	0.0396	1410.611
CARFENTRAZONE-ETHYL	14.9979	1039	0.014696	0.0055261	12	1.249825
Feb						
PENDIMETHALIN	1152.456	338	3.432788	0.4246338	5.2	221.6262
PARAQUAT DICHLORIDE	368.4624	166	2.201275	0.1357636	0.0396	9304.606
GLYPHOSATE, POTASSIUM SALT	103.1627	64.5	1.63745	0.0380113	14691	0.007022
BROMOXYNIL OCTANOATE	34.2376	126	0.27314	0.0126152	26.5	1.291985
BROMOXYNIL HEPTANOATE	33.0148	126	0.26336	0.0121646	14.5	2.276883
CLETHODIM	21.8758	85	0.2579	0.0080604	1100	0.019887
GLYPHOSATE, ISOPROPYLAMINE SALT	17.0029	17	1.0002	0.0062649	16081	0.001057
IPRODIONE	16.969	34	0.4991	0.0062524	50	0.33938
IMAZETHAPYR, AMMONIUM SALT	16.5231	166	0.0994	0.0060881	0	
CARFENTRAZONE-ETHYL	16.2107	1117.6	0.014619	0.005973	12	1.350892
OXYFLUORFEN	4.264	17	0.2508	0.0015711	0.29	14.70345
PYRIMETHANIL	3.4074	17	0.2004	0.0012555	1500	0.002272
METHOXYFENOZIDE	3.3004	17	0.1941	0.0012161	1850	0.001784
INDAZIFLAM	1.1065	17	0.0651	0.0004077	500	0.002213
Mar						
MALATHION	114.7592	120	0.9563	0.0422842	0.3	382.5307
PARAQUAT DICHLORIDE	98.5619	95	1.0367	0.0363161	0.0396	2488.937
COPPER HYDROXIDE	80.7	75	1.076	0.0297347		

GLYPHOSATE, POTASSIUM SALT	69.821	45	1.6378	0.0257262	14691	0.004753
CHLOROTHALONIL	50.9363	17	2.9963	0.018768	1.8	28.29794
IPRODIONE	45.902	109	0.37425	0.016913	50	0.91804
CHLORPYRIFOS	37.465	82	0.453233	0.0138043	0.05	749.3
LAMBDA-CYHALOTHRIN	28.2298	957	0.029208	0.0104015	0.035	806.5657
METHOXYFENOZIDE	13.2157	75	0.1762	0.0048695	1850	0.007144
BOSCALID	6.426	34	0.189	0.0023677	533	0.012056
SPINOSAD	6.1213	75	0.0816	0.0022555	90	0.068014
PYRACLOSTROBIN	3.264	34	0.096	0.0012027	1.5	2.176
CARFENTRAZONE-ETHYL	3.2403	181	0.01645	0.0011939	12	0.270025
Apr						
GLYPHOSATE, ISOPROPYLAMINE SALT	240.0409	60	4.0007	0.0884454	16081	0.014927
MALATHION	122.6714	120	1.0223	0.0451995	0.3	408.9047
GLUFOSINATE-AMMONIUM	38.3818	68	0.56445	0.0141422	1470	0.02611
PARAQUAT DICHLORIDE	16.8088	34	0.4944	0.0061934	0.0396	424.4646
DIMETHOATE	10.7221	43	0.2494	0.0039507	21.5	0.498702
LAMBDA-CYHALOTHRIN	6.5262	208	0.031333	0.0024046	0.035	186.4629
BROMOXYNIL OCTANOATE	6.4616	36	0.1795	0.0023808	26.5	0.243834
IMAZETHAPYR, AMMONIUM SALT	3.5994	36	0.1	0.0013262	0	
PROPICONAZOLE	3.5592	17	0.2094	0.0013114	21	0.169486
METCONAZOLE	2.6562	34	0.0781	0.0009787	1050	0.00253
May						
GLYPHOSATE, ISOPROPYLAMINE SALT	676.8056	430	1.6363	0.2493757	16081	0.042087
GLYPHOSATE, POTASSIUM SALT	332.9329	325	1.220057	0.1226724	14691	0.022662
ETHALFLURALIN	127.1679	75	1.6956	0.0468563	16	7.947994
METOLACHLOR	124.5066	75	1.6601	0.0458757	8	15.56333
S-METOLACHLOR	31.8659	20	1.5933	0.0117413	8	3.983238
ESFENVALERATE	11.44	225	0.0508	0.0042152	0.025	457.6
PROPICONAZOLE	7.1184	34	0.2094	0.0026228	21	0.338971

ABAMECTIN	5.5683	293	0.01815	0.0020517	0	#DIV/0!
HALOSULFURON-METHYL	4.6562	99	0.0472	0.0017156	5.3	0.878528
PERMETHRIN	4.05	45	0.09	0.0014923	0.01	405
BIFENTHRIN	3.4051	34	0.1002	0.0012546	0.075	45.40133
LAMBDA-CYHALOTHRIN	2.8132	109	0.02645	0.0010366	0.035	80.37714
SPIROTETRAMAT	0.4111	34	0.0121	0.0001515	330	0.001246
Jun						
GLYPHOSATE, ISOPROPYLAMINE SALT	3554.531	2977.7	1.147123	1.3097018	16081	0.221039
GLYPHOSATE, POTASSIUM SALT	2419.887	1933	1.234188	0.8916312	14691	0.164719
PROPARGITE	856.5638	396	2.167778	0.3156094	37	23.15037
CHLORPYRIFOS	60.602	60	1.01	0.0223294	0.05	1212.04
DIMETHOATE	49.1228	120	0.413567	0.0180998	21.5	2.284781
BIFENTHRIN	41.6588	466	0.09021	0.0153496	0.075	555.4507
SPIROMESIFEN	41.561	247	0.165475	0.0153136	8	5.195125
ETOXAZOLE	34.2936	377	0.091078	0.0126358	3.55	9.660169
PERMETHRIN	26.7494	320	0.09375	0.0098561	0.01	2674.94
GLUFOSINATE-AMMONIUM	23.7939	34	0.6998	0.0087671	1470	0.016186
HALOSULFURON-METHYL	23.6531	536	0.045136	0.0087152	5.3	4.462849
CARBARYL	22.5	100	0.225	0.0082903	0.85	26.47059
PARAQUAT DICHLORIDE	16.8088	34	0.4944	0.0061934	0.0396	424.4646
RIMSULFURON	2.625	84	0.0312	0.0009672	11.6	0.226293
HEXYTHIAZOX	2.3001	18	0.1278	0.0008475	265	0.00868
ABAMECTIN	0.6294	34	0.0185	0.0002319	0	
Jul						
GLYPHOSATE, ISOPROPYLAMINE SALT	2818.111	2200.3	1.273514	1.0383609	16081	0.175245
PROPARGITE	2065.933	1038.8	2.013529	0.7612132	37	55.83602
GLYPHOSATE, POTASSIUM SALT	1369.209	1311.3	1.090176	0.5044985	14691	0.093201
CHLORPYRIFOS	337.357	461.5	0.721738	0.1243025	0.05	6747.14
DIMETHOATE	233.7179	470.2	0.49743	0.0861157	21.5	10.8706

SPIROMESIFEN	198.7806	1391.5	0.145847	0.0732427	8	24.84758
ETOXAZOLE	111.4218	1240.5	0.089639	0.0410545	3.55	31.38642
BIFENTHRIN	104.5952	1075.2	0.097804	0.0385391	0.075	1394.603
HEXYTHIAZOX	85.1918	736	0.115341	0.0313898	265	0.321478
GLUFOSINATE-AMMONIUM	66.1468	75	0.882	0.0243724	1470	0.044998
OXYFLUORFEN	65.4525	167	0.4202	0.0241166	0.29	225.6983
METHOXYFENOZIDE	55.7771	245	0.21185	0.0205516	1850	0.03015
LAMBDA-CYHALOTHRIN	9.3557	343.5	0.026775	0.0034472	0.035	267.3057
METCONAZOLE	3.7188	34	0.1094	0.0013702	1050	0.003542
HALOSULFURON-METHYL	2.8906	55	0.0547	0.0010651	5.3	0.545396
(S)-CYPERMETHRIN	1.8764	75	0.025	0.0006914	0.195	9.622564
DELTAMETHRIN	0.5361	40	0.0134	0.0001975	0.55	0.974727
PYRIPROXYFEN	0.255	34	0.0075	9.396E-05	56	0.004554
ABAMECTIN	0.2518	34	0.0074	9.278E-05	0	
METAFLUMIZONE	0.1418	150	0.0009	5.225E-05	114	0.001244
Aug						
GLYPHOSATE, ISOPROPYLAMINE SALT	797.9858	502	1.39346	0.2940257	16081	0.049623
GLYPHOSATE, POTASSIUM SALT	161.3089	96	1.723267	0.0594359	14691	0.01098
CHLORPYRIFOS	127.7242	130	0.95925	0.0470612	0.05	2554.484
PROPARGITE	121.9097	71	1.794525	0.0449188	37	3.294857
DIMETHOATE	93.9877	188.6	0.4983	0.0346307	21.5	4.371521
ACEPHATE	72.75	75	0.97	0.0268055	550	0.132273
SPIROMESIFEN	70.8385	545	0.141017	0.0261011	8	8.854813
METHOXYFENOZIDE	29.6619	210	0.14125	0.0109292	1850	0.016033
ETOXAZOLE	22.3632	248.5	0.09	0.0082399	3.55	6.299493
BIFENTHRIN	18.8885	188.6	0.1002	0.0069597	0.075	251.8467
INDOXACARB	7.6222	85	0.0897	0.0028085	110	0.069293
CHLORANTRANILIPROLE	3.9302	120	0.0328	0.0014481	4.9	0.802082
PARAQUAT DICHLORIDE	2.8132	17	0.1655	0.0010366	0.0396	71.0404

DELTAMETHRIN	1.6083	118.5	0.0136	0.0005926	0.055	29.24182
SAFLUFENACIL	0.7438	17	0.0438	0.0002741	49000	1.52E-05
Sep						
GLYPHOSATE, ISOPROPYLAMINE SALT	145.9791	56	2.49925	0.0537874	16081	0.009078
METHOXYFENOZIDE	4.4278	26	0.1703	0.0016315	1850	0.002393
METHOMYL	0.45	50	0.009	0.0001658	2.5	0.18
ABAMECTIN	0.3147	34	0.0093	0.000116	0	
S-METHOPRENE	0.1275	34	0.0038	4.698E-05	165	0.000773
Oct				0		
GLYPHOSATE, ISOPROPYLAMINE SALT	54.0645	36	1.5018	0.0199206	16081	0.003362
IMAZAMOX, AMMONIUM SALT	1.8303	36	0.0508	0.0006744	0	
Nov						
PENDIMETHALIN	852.2684	225	3.7879	0.3140267	5.2	163.8978
GLYPHOSATE, ISOPROPYLAMINE SALT	491.3688	293	1.44308	0.1810497	16081	0.030556
OXYFLUORFEN	157.3953	293	0.4419	0.0579938	0.29	542.7424
GLYPHOSATE, POTASSIUM SALT	52.4088	38	1.3792	0.0193105	14691	0.003567
PARAQUAT DICHLORIDE	26.9156	40	0.6729	0.0099173	0.0396	679.6869
CARFENTRAZONE-ETHYL	11.8706	803	0.014865	0.0043738	12	0.989217
FLUMIOXAZIN	11.22	118	0.095633	0.0041341	0.852	13.16901
SAFLUFENACIL	3.283	75	0.0438	0.0012097	49000	0.000067
TRIBENURON-METHYL	0.125	20	0.0062	4.606E-05	110	0.001136
Dec						
PENDIMETHALIN	591.853	282.5	2.012275	0.2180741	5.2	113.8179
HEXAZINONE	216.0444	364.5	0.537222	0.0796037	7	30.86349
PARAQUAT DICHLORIDE	201.1598	322	0.536929	0.0741193	0.0396	5079.793
DIURON	120.5122	82	1.4697	0.0444039	2.4	50.21342
GLYPHOSATE, ISOPROPYLAMINE SALT	42.5508	17	2.503	0.0156783	16081	0.002646
CARFENTRAZONE-ETHYL	20.1355	1369.5	0.013626	0.0074191	12	1.677958
OXYFLUORFEN	8.5279	17	0.5016	0.0031422	0.29	29.40655

TRIBENURON-METHYL	3.1588	308	0.012945	0.0011639	110	0.028716
INDAZIFLAM	1.1065	17	0.0651	0.0004077	500	0.002213

Table 3. Steps 1 and 2 of Pesticide Selection Process including ranking, number of samples collected in the zone, and environmental fate data by month for pesticides in a single ESJWQC watershed. All data are summed over 3 years (2011 – 2013).

Ratio pounds applied/ALB value	Active ingredient	Number of samples	Hydrolysis half life (days)	Vapor Pressure	Koc
January					
1410.61111	PARAQUAT DICHLORIDE	86	30	1.00E-09	15000
27.0067115	PENDIMETHALIN	0	350	9.40E-06	24300
7.15517241	METRIBUZIN	0	63	1.00E-05	95
1.249825	CARFENTRAZONE-ETHYL	0	5.5	5.40E-08	750
0.01581425	GLYPHOSATE, POTASSIUM SALT	86	35	7.50E-08	20000
February					
9304.60606	PARAQUAT DICHLORIDE	86	30	1.00E-09	15000
221.626192	PENDIMETHALIN	0	350	9.40E-06	24300
2.27688276	BROMOXYNIL HEPTANOATE	0	2.5	4.80E-06	21000
1.29198491	BROMOXYNIL OCTANOATE	0	2.5	4.80E-06	21000
0.33938	IPRODIONE	0	2.5	4.80E-06	21000
0.01988709	CLETHODIM	0	300	2.70E-09	10
0.00702217	GLYPHOSATE, POTASSIUM SALT	86	35	7.50E-08	20000
0.00105733	GLYPHOSATE, ISOPROPYLAMINE SALT	86	35	7.50E-08	20000
	IMAZETHAPYR, AMMONIUM SALT	0	90	2.30E-11	10
14.7034483	OXYFLUORFEN	0	30	2.50E-07	100000
1.35089167	CARFENTRAZONE-ETHYL	0	5.5	5.40E-08	750
0.0022716	PYRIMETHANIL	0	962	1.65E-05	75
0.002213	INDAZIFLAM	0	9	1.90E-10	500
0.001784	METHOXYFENOZIDE	0	30	1.40E-04	500
March					
2488.93687	PARAQUAT DICHLORIDE	86	30	1.00E-09	15000
806.565714	LAMBDA-CYHALOTHRIN	0	450	1.50E-09	180000

749.3	CHLORPYRIFOS	166	43	2.50E-03	9930
382.530667	MALATHION	131	9	1.78E-04	1200
28.2979444	CHLOROTHALONIL	0	30	3.70E-07	5000
2.176	PYRACLOSTROBIN	0	0.05	1.95E-10	9300
0.91804	IPRODIONE	0	20	5.00E-07	1000
0.270025	CARFENTRAZONE-ETHYL	0	5.5	5.40E-08	750
0.06801444	SPINOSAD	0	>30	2.00E-10	16420
0.01205629	BOSCALID	0	stable	7.00E-07	970
0.00714362	METHOXYFENOZIDE	0	30	1.40E-04	500
0.00475264	GLYPHOSATE, POTASSIUM SALT	0	35	7.50E-08	20000
	COPPER HYDROXIDE	0			
	April				
424.464646	PARAQUAT DICHLORIDE	86	30	1.00E-09	15000
408.904667	MALATHION	131	9	1.78E-04	1200
186.462857	LAMBDA-CYHALOTHRIN	0	450	1.50E-09	180000
0.49870233	DIMETHOATE	150	7	8.50E-06	20
0.24383396	BROMOXYNIL OCTANOATE	0	2.5	4.80E-06	21000
0.16948571	PROPICONAZOLE	0	365	1.30E-06	656
0.02611007	GLUFOSINATE-AMMONIUM	0	300	9.00E-12	3
0.01492699	GLYPHOSATE, ISOPROPYLAMINE SALT	0	35	7.50E-08	20000
0.00252971	METCONAZOLE	0	33	1.23E-05	1025
	IMAZETHAPYR, AMMONIUM SALT	0	10	2.30E-11	90
	May				
457.6	ESFENVALERATE	0	42	1.50E-09	5300
405	PERMETHRIN	0	240	6.90E-06	100000
80.3771429	LAMBDA-CYHALOTHRIN	0	450	1.50E-09	180000
45.4013333	BIFENTHRIN	0	26	1.80E-07	237000
15.563325	METOLACHLOR	0	210	1.30E-05	110
7.94799375	ETHALFLURALIN	0	stable	8.20E-05	5356

3.9832375	S-METOLACHLOR	0	210	1.30E-05	110
0.8785283	HALOSULFURON-METHYL	0	14	1.10E-05	124
0.33897143	PROPICONAZOLE	0	365	1.30E-06	656
0.04208728	GLYPHOSATE, ISOPROPYLAMINE SALT	0	35	7.50E-08	20000
0.02266237	GLYPHOSATE, POTASSIUM SALT	0	35	7.50E-08	20000
0.00124576	SPIROTETRAMAT	0	47	5.60E-09	290
	ABAMECTIN	0	0.5	3.70E-06	4000
June					
2674.94	PERMETHRIN	0	240	6.90E-06	100000
1212.04	CHLORPYRIFOS	166	43	1.87E-05	9930
555.450667	BIFENTHRIN	0	26	1.80E-07	237000
424.464646	PARAQUAT DICHLORIDE	86	30	1.00E-09	15000
26.4705882	CARBARYL	131	1500	4.10E-05	100
23.150373	PROPARGITE	0	84	3.89E-08	41000
9.66016901	ETOXAZOLE	0	10	7.00E-06	5000
5.195125	SPIROMESIFEN	0	25	7.00E-06	34000
4.46284906	HALOSULFURON-METHYL	0	14	1.10E-05	124
2.2847814	DIMETHOATE	150	7	8.50E-06	20
0.2262931	RIMSULFURON	0	7	1.10E-08	47
0.22103915	GLYPHOSATE, ISOPROPYLAMINE SALT	86	35	7.50E-08	20000
0.16471903	GLYPHOSATE, POTASSIUM SALT	86	35	7.50E-08	20000
0.01618633	GLUFOSINATE-AMMONIUM	0	300	9.00E-12	3
0.00867962	HEXYTHIAZOX	0	17	2.54E-08	3000
	ABAMECTIN	0	0.5	3.70E-06	4000
July					
6747.14	CHLORPYRIFOS	166	43	1.87E-05	9930
1394.60267	BIFENTHRIN	0	26	1.80E-07	237000
267.305714	LAMBDA-CYHALOTHRIN	0	450	1.50E-09	180000
225.698276	OXYFLUORFEN	0	30	2.50E-07	100000

55.8360162	PROPARGITE	0	84	3.89E-08	41000
31.3864225	ETOXAZOLE	0	10	7.00E-06	5000
24.847575	SPIROMESIFEN	0	25	7.00E-06	34000
10.8706	DIMETHOATE	150	7	8.50E-06	20
9.6225641	(S)-CYPERMETHRIN	0	67	1.70E-07	61000
0.97472727	DELTAMETHRIN	0	2.5	2.00E-09	79000
0.54539623	HALOSULFURON-METHYL	0	14	1.10E-05	124
0.32147849	HEXYTHIAZOX	0	17	2.54E-08	3000
0.17524479	GLYPHOSATE, ISOPROPYLAMINE SALT	86	35	7.50E-08	20000
0.09320053	GLYPHOSATE, POTASSIUM SALT	86	35	7.50E-08	20000
0.04499782	GLUFOSINATE-AMMONIUM	0	300	9.00E-12	3
0.03014978	METHOXYFENOZIDE	0	30	1.40E-04	500
0.00455357	PYRIPROXYFEN	0	7	1.33E-05	11600
0.00354171	METCONAZOLE	0	33	1.23E-05	1025
0.00124386	METAFLUMIZONE	0	244	9.30E-11	30750
	ABAMECTIN	0	0.5	3.70E-06	4000
	August				
2554.484	CHLORPYRIFOS	166	43	1.87E-05	9930
251.846667	BIFENTHRIN	0	26	1.80E-07	237000
71.040404	PARAQUAT DICHLORIDE	86	30	1.00E-09	15000
29.2418182	DELTAMETHRIN	0	2.5	2.00E-09	79000
8.8548125	SPIROMESIFEN	0	25	7.00E-06	34000
6.29949296	ETOXAZOLE	0	10	7.00E-06	5000
4.37152093	DIMETHOATE	0	7	8.50E-06	20
3.29485676	PROPARGITE	0	84	3.89E-08	41000
0.80208163	CHLORANTRANILIPROLE	0	30	6.30E-12	330
0.13227273	ACEPHATE	0	6	1.70E-06	2
0.06929273	INDOXACARB	0	22	1.00E-07	6450
0.0496229	GLYPHOSATE, ISOPROPYLAMINE SALT	86	35	7.50E-08	20000

0.01603346	METHOXYFENOZIDE	0	30	1.40E-04	500
0.01098012	GLYPHOSATE, POTASSIUM SALT	0	35	7.50E-08	20000
1.518E-05	SAFLUFENACIL	0	180	2.00E-14	10
September					
0.18	METHOMYL	131			
0.00907774	GLYPHOSATE, ISOPROPYLAMINE SALT	86	35	7.50E-08	20000
0.00239341	METHOXYFENOZIDE	0	30	1.40E-04	500
0.00077273	S-METHOPRENE	0	2	2.40E-05	23000
	ABAMECTIN	0	0.5	3.70E-06	4000
October					
0.00336201	GLYPHOSATE, ISOPROPYLAMINE SALT	86	35	7.50E-08	20000
	IMAZAMOX, AMMONIUM SALT	0	stable	1.00E-07	67
November					
679.686869	PARAQUAT DICHLORIDE	86	30	1.00E-09	15000
542.742414	OXYFLUORFEN	0	30	2.50E-07	100000
163.897769	PENDIMETHALIN	0	350	9.40E-06	24300
13.1690141	FLUMIOXAZIN	0	4	2.40E-06	600
0.98921667	CARFENTRAZONE-ETHYL	0	5.5	5.40E-08	750
0.03055586	GLYPHOSATE, ISOPROPYLAMINE SALT	86	35	7.50E-08	20000
0.00356741	GLYPHOSATE, POTASSIUM SALT	86	35	7.50E-08	20000
0.00113636	TRIBENURON-METHYL	0	5	3.90E-10	60
0.000067	SAFLUFENACIL	0	180	2.00E-14	10
December					
5079.79293	PARAQUAT DICHLORIDE	86	30	1.00E-09	15000
113.817885	PENDIMETHALIN	0	350	9.40E-06	24300
50.2134167	DIURON	139	1290	6.90E-08	500
30.8634857	HEXAZINONE	0	56	1.90E-07	610
29.4065517	OXYFLUORFEN	0	30	2.50E-07	100000
1.67795833	CARFENTRAZONE-ETHYL	0	5.5	5.40E-08	750

0.02871636	TRIBENURON-METHYL	0	5	3.90E-10	60
0.00264603	GLYPHOSATE, ISOPROPYLAMINE SALT	86	35	7.50E-08	20000
0.002213	INDAZIFLAM	0	9	1.90E-10	500

Table 4. Monitoring scheme as proposed by group with additional criteria proposed by Kelly Moran.

Total Pounds Applied	Ratio pounds applied/ALB value	Active ingredient	Sufficient samples	Remove for Hydrolysis or VP	Inclusion criteria	Detection > 10% reference value	Monitoring Data Available	Include in monitoring?
January								
55.8	1410.61111	PARAQUAT DICHLORIDE	Y	No	No	No (ND)	Yes	No
140.4	27.0067115	PENDIMETHALIN	N	No	No	No	No	Yes
62.2	7.15517241	METRIBUZIN	N	No	No	No	No	Yes
15.0	1.249825	CARFENTRAZONE-ETHYL	N	No	No	No	No	Yes
232.3	0.01581425	GLYPHOSATE, POTASSIUM SALT	Y	No	Yes	No (20/700 µg/L)	Yes	Yes
February								
368.4	9304.60606	PARAQUAT DICHLORIDE	Y	No	No	No	Yes	No
1152.4	221.626192	PENDIMETHALIN	N	No	No	No	No	Yes
33.0	2.27688276	BROMOXYNIL HEPTANOATE	N	No	No	No	No	Yes
34.2	1.29198491	BROMOXYNIL OCTANOATE	N	No	No	No	No	Yes
16.9	0.33938	IPRODIONE	N	No	No	No	No	Yes
21.8	0.01988709	CLETHODIM	N	No	No	No	No	Yes
103.1	0.00702217	GLYPHOSATE, POTASSIUM SALT	Y	No	Yes	No	Yes	Yes
17.0	0.00105733	GLYPHOSATE, ISOPROPYLAMINE SALT	Y	No	Yes	No	Yes	Yes
16.5		IMAZETHAPYR, AMMONIUM SALT	N	No	No	No	No	Yes
4.2	14.7034483	OXYFLUORFEN	N	No	No	No	No	Yes
16.2	1.35089167	CARFENTRAZONE-ETHYL	N	No	No	No	No	Yes
3.4	0.0022716	PYRIMETHANIL	N	No	No	No	No	Yes
1.1	0.002213	INDAZIFLAM	N	No	No	No	No	Yes
3.3	0.001784	METHOXYFENOZIDE	N	No	No	No	No	Yes
March								
98.5	2488.93687	PARAQUAT DICHLORIDE	Y	No	No	No	Yes	No
28.2	806.565714	LAMBDA-CYHALOTHRIN	N	No	No	No	No	Yes

37.4	749.3	CHLORPYRIFOS	Y	No	Yes	Yes (0.16/0.015 µg/L)	Yes	Yes
114.7	382.530667	MALATHION	Y	No	Yes	Yes	Yes	Yes
50.9	28.2979444	CHLOROTHALONIL	N	No	No	No	No	Yes
3.2	2.176	PYRACLOSTROBIN	N	Yes	No	No	Yes	Yes
45.9	0.91804	IPRODIONE	N	No	No	No	No	Yes
3.4	0.270025	CARFENTRAZONE-ETHYL	N	No	No	No	No	Yes
6.1	0.06801444	SPINOSAD	N	No	No	No	No	Yes
6.4	0.01205629	BOSCALID	N	No	No	No	No	Yes
13.2	0.00714362	METHOXYFENOZIDE	N	No	No	No	No	Yes
69.8	0.00475264	GLYPHOSATE, POTASSIUM SALT	Y	No	Yes	No	Yes	Yes
80.7		COPPER HYDROXIDE	Y	No	No	No	Yes	Yes
April								
16.8	424.464646	PARAQUAT DICHLORIDE	Y	No	No	No	Yes	No
122.6	408.904667	MALATHION	Y	No	Yes	Yes	Yes	Yes
6.5	186.462857	LAMBDA-CYHALOTHRIN	N	No	No	No	No	Yes
10.7	0.49870233	DIMETHOATE	Y	No	Yes	Yes (10/1 µg/L)	Yes	Yes
6.4	0.24383396	BROMOXYNIL OCTANOATE	N	No	No	No	No	Yes
3.5	0.16948571	PROPICONAZOLE	N	No	No	No	No	Yes
38.3	0.02611007	GLUFOSINATE-AMMONIUM	N	No	No	No	No	Yes
240.0	0.01492699	GLYPHOSATE, ISOPROPYLAMINE SALT	Y	No	Yes	No	Yes	Yes
2.6	0.00252971	METCONAZOLE	N	No	No	No	No	Yes
3.5		IMAZETHAPYR, AMMONIUM SALT	N	No	No	No	No	Yes
May								
11.4	457.6	ESFENVALERATE	N	No	No	No	No	Yes
4.0	405	PERMETHRIN	N	No	No	No	No	Yes
2.8	80.3771429	LAMBDA-CYHALOTHRIN	N	No	No	No	No	Yes
3.4	45.4013333	BIFENTHRIN	N	No	No	No	No	Yes
124.5	15.563325	METOLACHLOR	N	No	No	No	Yes	Yes
127.1	7.94799375	ETHALFLURALIN	N	No	No	No	No	Yes

31.8	3.9832375	S-METOLACHLOR	N	No	No	No	Yes	Yes
4.6	0.8785283	HALOSULFURON-METHYL	N	No	No	No	No	Yes
7.1	0.33897143	PROPICONAZOLE	N	No	No	No	No	Yes
676.8	0.04208728	GLYPHOSATE, ISOPROPYLAMINE SALT	Y	No	Yes	No	Yes	Yes
332.9	0.02266237	GLYPHOSATE, POTASSIUM SALT	Y	No	Yes	No	Yes	Yes
0.4	0.00124576	SPIROTETRAMAT	N	No	No	No	No	Yes
5.5		ABAMECTIN	N	Yes	No	Yes	No	Yes
June								
26.7	2674.94	PERMETHRIN	N	No	No	No	No	Yes
60.6	1212.04	CHLORPYRIFOS	Y	No	Yes	Yes	Yes	Yes
41.6	555.450667	BIFENTHRIN	N	No	No	No	No	Yes
16.8	424.464646	PARAQUAT DICHLORIDE	Y	No	No	No	No	No
22.5	26.4705882	CARBARYL	Y	No	Yes	Yes (13/2.53 µg/L)	Yes	Yes
856.5	23.150373	PROPARGITE	N	No	No	No	No	Yes
34.2	9.66016901	ETOXAZOLE	N	No	No	No	No	Yes
41.5	5.195125	SPIROMESIFEN	N	No	No	No	No	Yes
23.6	4.46284906	HALOSULFURON-METHYL	N	No	No	No	No	Yes
49.1	2.2847814	DIMETHOATE	Y	No	Yes	Yes	Yes	Yes
2.6	0.2262931	RIMSULFURON	N	No	No	No	No	Yes
3554.5	0.22103915	GLYPHOSATE, ISOPROPYLAMINE SALT	Y	No	Yes	No	Yes	Yes
2419.8	0.16471903	GLYPHOSATE, POTASSIUM SALT	Y	No	Yes	No	Yes	Yes
23.7	0.01618633	GLUFOSINATE-AMMONIUM	N	No	No	No	No	Yes
2.3	0.00867962	HEXYTHIAZOX	N	No	No	No	No	Yes
0.6		ABAMECTIN	N	Yes	No	Yes	No	No
July								
337.3	6747.14	CHLORPYRIFOS	Y	No	Yes	Yes	Yes	Yes
104.5	1394.60267	BIFENTHRIN	N	No	No	No	No	Yes
9.3	267.305714	LAMBDA-CYHALOTHRIN	N	No	No	No	No	Yes
65.4	225.698276	OXYFLUORFEN	N	No	No	No	No	Yes

2065.9	55.8360162	PROPARGITE	N	No	No	No	No	Yes
111.4	31.3864225	ETOXAZOLE	N	No	No	No	No	Yes
198.7	24.847575	SPIROMESIFEN	N	No	No	No	No	Yes
233.7	10.8706	DIMETHOATE	Y	No	No	Yes	Yes	Yes
1.8	9.6225641	(S)-CYPERMETHRIN	N	No	No	No	No	Yes
0.5	0.97472727	DELTAMETHRIN	N	No	No	No	No	Yes
2.8	0.54539623	HALOSULFURON-METHYL	N	No	No	No	No	Yes
85.1	0.32147849	HEXYTHIAZOX	N	No	No	No	No	Yes
2818.1	0.17524479	GLYPHOSATE, ISOPROPYLAMINE SALT	Y	No	Yes	No	Yes	Yes
1369.2	0.09320053	GLYPHOSATE, POTASSIUM SALT	Y	No	Yes	No	Yes	Yes
66.1	0.04499782	GLUFOSINATE-AMMONIUM	N	No	No	No	No	Yes
55.7	0.03014978	METHOXYFENOZIDE	N	No	No	No	No	Yes
0.2	0.00455357	PYRIPROXYFEN	N	No	No	No	No	Yes
3.7	0.00354171	METCONAZOLE	N	No	No	No	No	Yes
0.1	0.00124386	METAFLUMIZONE	N	No	No	No	No	Yes
0.2		ABAMECTIN	N	Yes	No	Yes	No	No
August								
127.7	2554.484	CHLORPYRIFOS	Y	No	Yes	Yes	Yes	Yes
18.8	251.846667	BIFENTHRIN	N	No	No	No	No	Yes
2.8	71.040404	PARAQUAT DICHLORIDE	Y	No	No	No	Yes	No
1.6	29.2418182	DELTAMETHRIN	N	No	No	No	No	Yes
70.8	8.8548125	SPIROMESIFEN	N	No	No	No	No	Yes
22.3	6.29949296	ETOXAZOLE	N	No	No	No	No	Yes
93.9	4.37152093	DIMETHOATE	Y	No	Yes	Yes	Yes	Yes
121.9	3.29485676	PROPARGITE	N	No	No	No	No	Yes
3.9	0.80208163	CHLORANTRANILIPROLE	N	No	No	No	No	Yes
72.7	0.13227273	ACEPHATE	N	No	No	No	No	Yes
7.6	0.06929273	INDOXACARB	N	No	No	No	No	Yes
979.9	0.0496229	GLYPHOSATE, ISOPROPYLAMINE SALT	N	No	Yes	No	Yes	Yes

29.6	0.01603346	METHOXYFENOZIDE	N	No	No	No	No	Yes
161.3	0.01098012	GLYPHOSATE, POTASSIUM SALT	N	No	Yes	No	Yes	Yes
0.7	1.518E-05	SAFLUFENACIL	N	No	No	No	No	Yes
September								
0.4	0.18	METHOMYL	Y	No	No	No (ND)	Yes	Yes
145.9	0.00907774	GLYPHOSATE, ISOPROPYLAMINE SALT	N	No	Yes	No	Yes	Yes
4.4	0.00239341	METHOXYFENOZIDE	N	No	No	No	No	Yes
0.1	0.00077273	S-METHOPRENE	N	No	No	No	No	Yes
0.3		ABAMECTIN	N	Yes	No	No	Yes	Yes
October								
54.6	0.00336201	GLYPHOSATE, ISOPROPYLAMINE SALT	Y	No	Yes	No	Yes	Yes
1.8		IMAZAMOX, AMMONIUM SALT	N	No	No	No	No	Yes
November								
26.9	679.686869	PARAQUAT DICHLORIDE	Y	No	No	No	Yes	No
157.3	542.742414	OXYFLUORFEN	N	No	No	No	No	Yes
852.2	163.897769	PENDIMETHALIN	N	No	No	No	No	Yes
11.2	13.1690141	FLUMIOXAZIN	N	No	No	No	No	Yes
11.8	0.98921667	CARFENTRAZONE-ETHYL	N	No	No	No	No	Yes
491.3	0.03055586	GLYPHOSATE, ISOPROPYLAMINE SALT	N	No	Yes	No	Yes	Yes
52.4	0.00356741	GLYPHOSATE, POTASSIUM SALT	N	No	Yes	No	Yes	Yes
0.1	0.00113636	TRIBENURON-METHYL	N	No	No	No	No	Yes
3.2	0.000067	SAFLUFENACIL	N	No	No	No	No	Yes
December								
201.0	5079.79293	PARAQUAT DICHLORIDE	Y	No	No	No	Yes	No
591.8	113.817885	PENDIMETHALIN	N	No	No	No	No	Yes
120.5	50.2134167	DIURON	Y	No	No	Yes (6.6/2 µg/L)	Yes	Yes
216.0	30.8634857	HEXAZINONE	N	No	No	No	No	Yes
8.5	29.4065517	OXYFLUORFEN	N	No	No	No	No	Yes
20.1	1.67795833	CARFENTRAZONE-ETHYL	N	No	No	No	No	Yes

3.1	0.02871636	TRIBENURON-METHYL	N	No	No	No	No	Yes
42.5	0.00264603	GLYPHOSATE, ISOPROPYLAMINE SALT	N	No	Yes	No	Yes	Yes
1.1	0.002213	INDAZIFLAM	N	No	No	No	No	Yes

Table 5. Monitoring Scheme as proposed by ESJWQC

Total Pounds Applied	Ratio pounds applied/ALB value	Active ingredient	Sufficient samples /Exceedance	Remove for Hydrolysis or VP	Inclusion criteria	Koc	Exclude for Koc	Exclude for total pounds	Exclude for ratio	Monitor
January										
55.8	1410.61111	PARAQUAT DICHLORIDE	Y/N (ND)	No	No	15000	Y	N	N	N
140.4	27.0067115	PENDIMETHALIN	N	No	No	24300	Y	N	N	N
62.2	7.15517241	METRIBUZIN	N	No	No	95	N	N	N	Yes
15.0	1.249825	CARFENTRAZONE-ETHYL	N	No	No	750	N	Y	N	N
232.3	0.01581425	GLYPHOSATE, POTASSIUM SALT	Y/N	No	Yes	20000	Y	N	Y	N
February										
368.4	9304.60606	PARAQUAT DICHLORIDE	Y/N	No	No	15000	Y	N	N	N
1152.4	221.626192	PENDIMETHALIN	N	No	No	24300	Y	N	N	N
33.0	2.27688276	BROMOXYNIL HEPTANOATE	N	No	No	21000	Y	N	N	N
34.2	1.29198491	BROMOXYNIL OCTANOATE	N	No	No	21000	Y	N	N	N
16.9	0.33938	IPRODIONE	N	No	No	21000	Y	N	N	N
21.8	0.01988709	CLETHODIM	N	No	No	10	N	Y	Y	N
103.1	0.00702217	GLYPHOSATE, POTASSIUM SALT	Y/N	No	Yes	20000	Y	N	Y	N
17.0	0.00105733	GLYPHOSATE, ISOPROPYLAMINE SALT	Y/N	No	Yes	20000	Y	Y	Y	N
16.5		IMAZETHAPYR, AMMONIUM SALT	N	No	No	10	N	Y	Y	N
4.2	14.7034483	OXYFLUORFEN	N	No	No	100000	Y	Y	N	N
16.2	1.35089167	CARFENTRAZONE-ETHYL	N	No	No	750	N	Y	N	N
3.4	0.0022716	PYRIMETHANIL	N	No	No	75	N	Y	Y	N
1.1	0.002213	INDAZIFLAM	N	No	No	500	N	Y	Y	N
3.3	0.001784	METHOXYFENOZIDE	N	No	No	500	N	Y	Y	N
March										
98.5	2488.93687	PARAQUAT DICHLORIDE	Y/N	No	No	15000	y	N	N	N
28.2	806.565714	LAMBDA-CYHALOTHRIN	N	No	No	180000	N	N	N	Yes

37.4	749.3	CHLORPYRIFOS	Y/Y	No	Yes	9930	N	N	N	Yes
114.7	382.530667	MALATHION	Y/Y	No	Yes	1200	N	N	N	Yes
50.9	28.2979444	CHLOROTHALONIL	N	No	No	5000	N	N	N	Yes
3.2	2.176	PYRACLOSTROBIN	N	Yes	No	9300	N	Y	N	N
45.9	0.91804	IPRODIONE	N	No	No	1000	N	N	N	Yes
3.4	0.270025	CARFENTRAZONE-ETHYL	N	No	No	750	N	Y	N	N
6.1	0.06801444	SPINOSAD	N	No	No	16420	Y	Y	Y	N
6.4	0.01205629	BOSCALID	N	No	No	970	N	Y	Y	N
13.2	0.00714362	METHOXYFENOZIDE	N	No	No	500	N	Y	Y	N
69.8	0.00475264	GLYPHOSATE, POTASSIUM SALT	Y/N	No	Yes	20000	Y	N	Y	N
80.7		COPPER HYDROXIDE	Y/Y	No	No		N	N	N	Yes
April										
16.8	424.464646	PARAQUAT DICHLORIDE	Y/N	No	No	15000	Y	Y	N	No
122.6	408.904667	MALATHION	Y/Y	No	Yes	1200	N	N	N	Yes
6.5	186.462857	LAMBDA-CYHALOTHRIN	N	No	No	180000	N	Y	N	N
10.7	0.49870233	DIMETHOATE	Y/Y	No	Yes	20	N	Y	N	N
6.4	0.24383396	BROMOXYNIL OCTANOATE	N	No	No	21000	Y	Y	N	N
3.5	0.16948571	PROPICONAZOLE	N	No	No	656	N	Y	N	N
38.3	0.02611007	GLUFOSINATE-AMMONIUM	N	No	No	3	N	N	Y	N
240.0	0.01492699	GLYPHOSATE, ISOPROPYLAMINE SALT	Y/N	No	Yes	20000	Y	N	Y	N
2.6	0.00252971	METCONAZOLE	N	No	No	1025	N	N	Y	N
3.5		IMAZETHAPYR, AMMONIUM SALT	N	No	No	90	N	N	Y	N
May										
11.4	457.6	ESFENVALERATE	N	No	No	5300	N	Y	N	N
4.0	405	PERMETHRIN	N	No	No	100000	Y	Y	N	N
2.8	80.3771429	LAMBDA-CYHALOTHRIN	N	No	No	180000	Y	Y	N	N
3.4	45.4013333	BIFENTHRIN	N	No	No	237000	Y	Y	N	N
124.5	15.563325	METOLACHLOR	N	No	No	110	N	N	N	Yes
127.1	7.94799375	ETHALFLURALIN	N	No	No	5356	N	N	N	Yes

31.8	3.9832375	S-METOLACHLOR	N	No	No	110	N	N	N	Yes
4.6	0.8785283	HALOSULFURON-METHYL	N	No	No	124	N	Y	N	N
7.1	0.33897143	PROPICONAZOLE	N	No	No	656	N	Y	N	N
676.8	0.04208728	GLYPHOSATE, ISOPROPYLAMINE SALT	Y/N	No	Yes	20000	Y	N	Y	N
332.9	0.02266237	GLYPHOSATE, POTASSIUM SALT	Y/N	No	Yes	20000	Y	N	Y	N
0.4	0.00124576	SPIROTETRAMAT	N	No	No	290	N	Y	Y	N
5.5		ABAMECTIN	N	Yes	No	4000	N	Y	Y	N
June										
26.7	2674.94	PERMETHRIN	N	No	No	100000	Y	Y	N	N
60.6	1212.04	CHLORPYRIFOS	Y/Y	No	Yes	9930	N	N	N	Yes
41.6	555.450667	BIFENTHRIN	N	No	No	237000	N	N	N	Yes
16.8	424.464646	PARAQUAT DICHLORIDE	Y/N	No	No	15000	Y	Y	N	N
22.5	26.4705882	CARBARYL	Y/Y	No	Yes	100	N	Y	N	N
856.5	23.150373	PROPARGITE	N	No	No	41000	Y	N	N	N?
34.2	9.66016901	ETOXAZOLE	N	No	No	5000	N	N	N	Yes
41.5	5.195125	SPIROMESIFEN	N	No	No	34000	Y	N	N	N
23.6	4.46284906	HALOSULFURON-METHYL	N	No	No	124	N	Y	N	N
49.1	2.2847814	DIMETHOATE	Y/Y	No	Yes	20	N	N	N	Yes
2.6	0.2262931	RIMSULFURON	N	No	No	47	N	Y	N	N
3554.5	0.22103915	GLYPHOSATE, ISOPROPYLAMINE SALT	Y/N	No	Yes	20000	Y	N	N	N
2419.8	0.16471903	GLYPHOSATE, POTASSIUM SALT	Y/N	No	Yes	20000	Y	N	N	N
23.7	0.01618633	GLUFOSINATE-AMMONIUM	N	No	No	3	N	Y	Y	N
2.3	0.00867962	HEXYTHIAZOX	N	No	No	3000	N	Y	Y	N
0.6		ABAMECTIN	N	Yes	No	4000	N	Y	Y	N
July										
337.3	6747.14	CHLORPYRIFOS	Y/Y	No	Yes	9930	N	N	N	Yes
104.5	1394.60267	BIFENTHRIN	N	No	No	237000	N	N	N	Yes
9.3	267.305714	LAMBDA-CYHALOTHRIN	N	No	No	180000	N	Y	N	Yes
65.4	225.698276	OXYFLUORFEN	N	No	No	100000	Y	N	N	N

2065.9	55.8360162	PROPARGITE	N	No	No	41000	Y	N	N	N
111.4	31.3864225	ETOXAZOLE	N	No	No	5000	N	N	N	Yes
198.7	24.847575	SPIROMESIFEN	N	No	No	34000	Y	N	N	N
233.7	10.8706	DIMETHOATE	Y/Y	No	No	20	N	N	N	Yes
1.8	9.6225641	(S)-CYPERMETHRIN	N	No	No	61000	N	Y	N	N
0.5	0.97472727	DELTAMETHRIN	N	No	No	79000	N	Y	N	N
2.8	0.54539623	HALOSULFURON-METHYL	N	No	No	124	N	Y	N	N
85.1	0.32147849	HEXYTHIAZOX	N	No	No	3000	N	N	N	Yes
2818.1	0.17524479	GLYPHOSATE, ISOPROPYLAMINE SALT	Y/N	No	Yes	20000	Y	N	N	N
1369.2	0.09320053	GLYPHOSATE, POTASSIUM SALT	Y/N	No	Yes	20000	Y	N	N	N
66.1	0.04499782	GLUFOSINATE-AMMONIUM	N	No	No	3	N	N	Y	N
55.7	0.03014978	METHOXYFENOZIDE	N	No	No	500	N	N	Y	N
0.2	0.00455357	PYRIPROXYFEN	N	No	No	11600	Y	Y	Y	N
3.7	0.00354171	METCONAZOLE	N	No	No	1025	N	Y	Y	N
0.1	0.00124386	METAFLUMIZONE	N	No	No	30750	Y	Y	Y	N
0.2		ABAMECTIN	N	Yes	No	4000	N	Y	Y	N
August										
127.7	2554.484	CHLORPYRIFOS	Y/Y	No	Yes	9930	N	N	N	Yes
18.8	251.846667	BIFENTHRIN	N	No	No	237000	N	Y	N	N
2.8	71.040404	PARAQUAT DICHLORIDE	Y/N	No	No	15000	Y	Y	N	N
1.6	29.2418182	DELTAMETHRIN	N	No	No	79000	Y	Y	N	N
70.8	8.8548125	SPIROMESIFEN	N	No	No	34000	Y	N	N	N
22.3	6.29949296	ETOXAZOLE	N	No	No	5000	N	Y	N	N
93.9	4.37152093	DIMETHOATE	Y/Y	No	Yes	20	N	N	N	Yes
121.9	3.29485676	PROPARGITE	N	No	No	41000	Y	N	N	N
3.9	0.80208163	CHLORANTRANILIPROLE	N	No	No	330	N	Y	N	N
72.7	0.13227273	ACEPHATE	N	No	No	2	N	N	N	Yes
7.6	0.06929273	INDOXACARB	N	No	No	6450	N	y	Y	N
979.9	0.0496229	GLYPHOSATE, ISOPROPYLAMINE SALT	N	No	Yes	20000	Y	N	Y	N

29.6	0.01603346	METHOXYFENOZIDE	N	No	No	500	N	Y	Y	N
161.3	0.01098012	GLYPHOSATE, POTASSIUM SALT	N	No	Yes	20000	Y	N	Y	N
0.7	1.518E-05	SAFLUFENACIL	N	No	No	10	N	Y	Y	N
September										
0.4	0.18	METHOMYL	Y/N	No	No	160	N	Y	N	N
145.9	0.00907774	GLYPHOSATE, ISOPROPYLAMINE SALT	N	No	Yes	20000	Y	N	Y	N
4.4	0.00239341	METHOXYFENOZIDE	N	No	No	500	N	Y	Y	N
0.1	0.00077273	S-METHOPRENE	N	No	No	23000	N	Y	Y	N
0.3		ABAMECTIN	N	Yes	No	4000	N	Y	Y	N
October										
54.6	0.00336201	GLYPHOSATE, ISOPROPYLAMINE SALT	Y/N	No	Yes	20000	Y	N	Y	N
1.8		IMAZAMOX, AMMONIUM SALT	N	No	No	67	N	Y	Y	N
November										
26.9	679.686869	PARAQUAT DICHLORIDE	Y/N	No	No	15000	Y	Y	N	N
157.3	542.742414	OXYFLUORFEN	N	No	No	100000	Y	N	N	N
852.2	163.897769	PENDIMETHALIN	N	No	No	24300	Y	N	N	N
11.2	13.1690141	FLUMIOXAZIN	N	No	No	600	N	Y	N	N
11.8	0.98921667	CARFENTRAZONE-ETHYL	N	No	No	750	N	Y	N	N
491.3	0.03055586	GLYPHOSATE, ISOPROPYLAMINE SALT	N	No	Yes	20000	Y	N	Y	N
52.4	0.00356741	GLYPHOSATE, POTASSIUM SALT	N	No	Yes	20000	Y	N	Y	N
0.1	0.00113636	TRIBENURON-METHYL	N	No	No	60	N	Y	Y	N
3.2	0.000067	SAFLUFENACIL	N	No	No	10	N	Y	Y	N
December										
201.0	5079.79293	PARAQUAT DICHLORIDE	Y/N	No	No	15000	Y	N	N	N
591.8	113.817885	PENDIMETHALIN	N	No	No	24300	Y	N	N	N
120.5	50.2134167	DIURON	Y/Y	No	No	500	N	N	N	Yes
216.0	30.8634857	HEXAZINONE	N	No	No	610	N	N	N	Yes
8.5	29.4065517	OXYFLUORFEN	N	No	No	100000	Y	Y	N	N
20.1	1.67795833	CARFENTRAZONE-ETHYL	N	No	No	750	N	Y	N	N

3.1	0.02871636	TRIBENURON-METHYL	N	No	No	60	N	Y	Y	N
42.5	0.00264603	GLYPHOSATE, ISOPROPYLAMINE SALT	N	No	Yes	20000	Y	N	Y	N
1.1	0.002213	INDAZIFLAM	N	No	No	500	N	Y	Y	N