

Study	Employer ID	Worker	BP MU	Monitoring		Age	Years	BW (lb)	BW (kg)	Employment		City
				Area	Gender		of Experience			Type	Date	
AHE400	220213	AC	A27	401	M	53	15	240	109	CAE	9/6/2012	Monroeville
AHE400	220213C	AI	A33	401	M	35	10	143	65	CAE	6/19/2013	Weedville
AHE400	220190	AJ	A34	401	M	29	4	176	80	CAE	7/9/2013	Lawrenceville
AHE400	3109	I	A8	402	M	33	4	188	85	CAE	6/21/2011	Dunn
AHE400	4341	K	A10	402	M	29	10	219	100	CAE	10/13/2011	Douglasville
AHE400	150128	V	A20	402	M	38	7	155	70	CAE	6/29/2012	Hemingway
AHE400	2248	L	A11	403	M	48	8	158	72	CAE	11/9/2011	Immokalee
AHE400	2201	M	A12	403	M	26	6	153	70	CAE	4/5/2012	Doral
AHE400	2348	N	A13	403	M	44	3	204	93	CAE	4/5/2012	Doral
AHE400	2023	B	A1	404	M	31	7	181	82	CAE	5/16/2011	New Blaine
AHE400	130733	Y	A23	404	M	21	0.33	198	90	CAE	7/31/2012	Wilmar
AHE400	1063	Z	A24	404	M	24	1.5	178	81	CAE	8/2/2012	Little Rock
AHE400	9003	Q	A16	405	M	34	3	216	98	CAE	5/22/2012	Bloomington
AHE400	5030A	AN	A38	405	M	24	1	204	93	CAE	8/13/2013	Marengo
AHE400	200491	AG	A31	406	M	33	1	220	100	CAE	9/26/2012	East Lansing
AHE400	200491	AP	A40	406	M	37	3	351	160	CAE	9/17/2013	Zeeland
AHE400	2023	C	A2	407	M	29	7	162	74	CAE	5/19/2011	West
AHE400	4200	E	A4	407	M	28	1	137	62	CAE	5/23/2011	Manor
AHE400	1063	AA	A25	407	M	27	3	153	70	CAE	8/4/2012	Kirbyville

County	State	Surrogate Chemical	ROW Type	Spray While on Vehicle?	Leggings/chaps	Overhead spray	Hack-and-Squirt Also?	Loads Applied	Total Gallons Applied	Acres Sprayed	AaiH (lb)	Dermal Monitoring Time (min)
Allegheny	PA	Glyphosate	Distribution	No	No	Yes/Often	No	2	4.5		1.44	210
Elk	PA	Glyphosate	Transmission	No	Yes	No/Rarely	No	10	28.5	5.25	4.49	537
Tioga	PA	Glyphosate	Park	No	No	No/Rarely	No	4	13.5	3.5	0.81	121
Sampson	NC	Fosamine	Distribution	No	No	Some	No	4	12.25	4	2.11	237
Fulton	GA	Glyphosate	Transmission	No	Yes	Some	No	17	64.5	6	9.65	382
Williamsburg	SC	Imazapyr	Distribution	No	No	Yes/Often	No	12	48	0.75	0.48	306
Collier	FL	Imazapyr	Wildlife Refuge	No	No	No/Rarely	No	9	22.5	3.3	0.051	494
Miami-Dade	FL	Glyphosate	Transmission	No	No	Some	No	6	16.5	5	1.9	299
Miami-Dade	FL	Glyphosate	Transmission	No	No	Some	No	7	20	5	2.27	301
Logan	AR	Glyphosate	Distribution	Yes	Yes	Some	Yes	10	33.25	2	6.65	640
Drew	AR	Glyphosate	Distribution	Yes	Yes	Some	Yes	5	14.5	0.45	3.11	358
Pulaski	AR	Imazapyr	Transmission	No	Yes	Some	No	10	33		0.37	260
Monroe	IN	Glyphosate	Pipeline	No	No	No/Rarely	No	6	15.875	3.25	5.08	610
Crawford	IN	Glyphosate	Distribution	No	No	Some	No	5	14.75	0.75	1.83	525
Ingham	MI	Glyphosate	Park	No	No	No/Rarely	No	6	16.5	0.6	1.13	378
Ottawa	MI	Glyphosate	Drainage Ditch	No	No	No/Rarely	No	7	7.5	0.9	0.62	465
McLennon	TX	Glyphosate	Transmission	Yes	Yes	Some	Yes	7	16.5	0.75	3.62	447
Travis	TX	Imazapyr	Transmission	No	No	No/Rarely	No	6	16	2	0.03	365
Newton/Jasper	TX	Glyphosate	Transmission	No	Yes	No/Rarely	No	7	19.5	1.6	3.51	218

Inhalation Monitoring Time (min)	Dermal Monitoring Time (hr)	Inhalation Monitoring Time (hr)	FF Adjusted Residues?	WBD LA (µg)	WBD UA (µg)	WBD FT (µg)	WBD RT (µg)	WBD LL (µg)	WBD UL (µg)	WBD Total (µg)	Socks (µg)	Total Hands (µg)	Total Hands MEA (µg)
	3.5		Yes	366	98.3	3.3	1.7	90.5	66.7	627	14.1	365	730
472	9	7.9	Yes	93.7	50	200	980	68.5	70	1462	29.3	2130	4260
121	2	2	Yes	119	31.5	63.7	67.8	6081	2468	8831	1693	350	700
237	4	4	Yes	968	61.1	679	479	493	651	3331	3.3	3620	7240
382	6.4	6.4	Yes	1016	950	1587	25465	65317	80308	153281	1096	941	1882
306	5.1	5.1	Yes	239	137	448	2015	268	834	3941	937	1302	2604
494	8.2	8.2	Yes	0.5	0.5	1.3	0.5	1.4	1.3	5.5	0.9	13.2	26.4
299	5	5	Yes	269	419	659	527	25.6	154	2054	662	2179	4358
301	5	5	Yes	160	149	141	182	572	36.5	1241	33.9	1621	3242
	10.7		Yes	3503	1254	1909	3089	1735	1254	12744	312	10776	21552
358	6	6	Yes	82216	75312	132021	138805	43652	260612	732618	2398	8772	17544
260	4.3	4.3	Yes	8171	2268	1687	6361	21569	17461	57517	3844	539	1078
610	10.2	10.2	Yes	1426	281	764	2027	5740	3656	13894	122	8187	16374
525	8.8	8.8	Yes	1001	626	326	146	30942	25123	58164	988	1564	3128
378	6.3	6.3	Yes	38.9	13.6	15.0	814	47.4	23.8	952.7	33.8	74.6	149.2
465	7.8	7.8	Yes	269	29.4	11.3	1687	83.1	34.8	2114.6	5.2	67.3	134.6
447	7.5	7.5	Yes	671	1150	4502	5396	421	333	12473	19.6	639	1278
365	6.1	6.1	Yes	2.4	0.5	6.5	14.1	13.7	2.9	40.1	1.8	39.9	79.8
218	3.6	3.6	Yes	3137	10532	3326	8839	77185	102734	205753	710	9787	19574
									Amean	66897	679	2788	5575
									P95	258439	2543	9886	19772
									min	6	1	13	26
									max	732618	3844	10776	21552

# Hand Washes	Face PPE Worn	Face PPE	PPE-Adjusted		Total Head (µg)	Total Head MEA (ug)	TDE (µg)	% Cont	MEA-TDE (ug)	MEA-nTDE (µg/lb ai)
		Adjustment Factor	Face/Neck (µg)	Rest of Head (µg)				Hands + Face/Neck		
1	None	1	11.5	7	18.5	37	1024.1	37%	1408	978
3	None	1	217	132	349	698	3970.5	62%	6450	1436
1	Protective Eyewear	1.1	30.3	18.5	48.8	97.6	10922.8	4%	11322	13977
1	Protective Eyewear	1.1	321	196	517	1034	7471.4	55%	11608	5502
2	None	1	6.8	4.1	10.9	21.8	176690.9	1%	177643	18409
2	None	1	6	3.7	9.7	19.4	6189.7	21%	7501	15628
2	None	1	0.5	0.3	0.8	1.6	20.4	69%	34	675
3	None	1	158	96.3	254	508	5148.6	47%	7582	3990
3	None	1	74.7	45.5	120	240	3015.4	58%	4756	2095
2	None	1	9.4	5.7	15.1	30.2	23847.1	45%	34638	5209
1	None	1	586	357	943	1886	744731	1%	754446	242587
2	Protective Eyewear	1.1	1.9	1.2	3.1	6.2	61903.1	1%	62445	168771
5	None	1	430	262	692	1384	22895	39%	31774	6255
2	Protective Eyewear	1.1	114	69.5	184	368	60900	3%	62648	34234
2	None	1	6.5	4	10.5	21	1071.6	8%	1157	1024
2	None	1	3.4	2.1	5.5	11	2192.6	3%	2265	3654
2	Protective Eyewear	1.1	305	186	491	982	13622.6	8%	14753	4075
2	Protective Eyewear	1.1	1.8	1.1	2.9	5.8	84.7	51%	128	4250
2	Protective Eyewear	1.1	73.5	44.8	118	236	216368	5%	226273	64465
			124	76	200	399	71688	27%	74675	31432
			446	272	717	1434	269204	63%	279090	176152
			1	0	1	2	20	1%	34	675
			586	357	943	1886	744731	69%	754446	242587

nTDE (µg/lb ai)	nTDE (µg/kg BW)	MEA nTDE (µg/kg BW)	Total Inhalation Residue (µg)	Pump Flow Rate (L/min)	Assumed Breathing Rate (L/min)	Total Inhalation Exposure (µg/MU)	Normalized Inhalation Exposure (µg/lb ai)	Normalized Inhalation Exposure (µg/kg BW)
712	9	13						
884	61	99	4.27	2	16.7	35.7	7.95	0.33
13485	137	142	0.297	1.99	16.7	2.49	3.07	0.04
3541	87	136	9.42	2.04	16.7	77.1	36.5	0.96
16096	1775	1785	16.32	2	16.7	136	14.1	1.59
12896	88	106	0.716	2	16.7	5.98	12.5	0.06
400	0	0	0.0881	2.05	16.7	0.718	14.1	0.01
2710	74	109	22.45	2.01	16.7	187	98.4	2.60
1329	33	51	23.79	2.04	16.7	195	85.9	2.80
3586	290	421						
238799	8275	8383	18.98	2.06	16.7	154	49.5	1.87
167305	765	772	2.14	2.06	16.7	17.3	46.8	0.19
4507	233	324	67.19	1.98	16.7	567	112	7.01
33279	657	676	1.75	2	16.7	14.6	7.98	0.15
949	11	12	0.316	2.01	16.7	2.63	2.33	0.03
3537	14	14	0.13	2.01	16.7	1.08	1.74	0.01
3763	185	200	22.2	2	16.7	185	51.1	1.16
2823	1	2	0.0656	2.02	16.7	0.542	18.1	0.01
61489	3111	3254	14.19	2.05	16.7	116	33	1.86
30110	832	868	12			100	35	1.217
174454	3628	3767	32			269	101	3.645
400	0.28	0.48	0.07			0.54	1.74	0.007
238799	8275	8383	67			567	112	7.008