

APPENDIX E

Task Description	Replicate #	Residue (ug)	Replicate Length (min)	Application Rate (lb ai/A)	Conc (µg/m3)	MRID	Scenario	n	Sample Time (minutes)			MITC Concentration (ug/m3)				
									Min	Max	Avg	Min	Max	GM	Median	Avg
Loader only - loaded from tanker truck into injection equipment with pumps and hoses (mostly closed system)	1	0.50	17	320	26.74	42968402	(1a) Transferring Water Soluble Liquids from Tank Delivery Truck to Shank Injection Equipment	10	3	17	7	27	1157	212	219	394
	2	0.50	7	320	71.43											
	3	5.16	9	320	573.35											
	4	4.63	4	320	1156.58											
	5	0.50	7	320	75.19											
	6	0.50	5	320	100.00											
	7	2.91	4	320	726.57											
	8	2.31	3	320	771.06											
	9	1.60	5	320	337.14											
	10	0.50	5	320	100.00											
Loaded from tank truck to rotary tiller equipment with pumps and hoses	1	1.00	11	320	90.91	42958401	(1b) Transferring Water Soluble Liquids from Tank Delivery Truck to Rotary Tiller Equipment	10	3	11	7	91	1751	314	300	509
	2	8.76	5	320	1751.38											
	3	2.88	9	320	319.49											
	4	6.18	5	320	1235.57											
	5	1.00	8	320	127.55											
	6	2.24	8	320	279.77											
	7	1.00	8	320	127.55											
	8	2.64	8	320	330.46											
	9	2.06	3	320	688.10											
	10	1.00	7	320	142.86											

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Loaded from tank truck to truck-mounted interim tank and then drove to site of nurse tank and transferred to nurse tank that would feed irrigation system	1	4.89	70	320	82.17	42968402	(1c) Transferring Water Soluble Liquids from Tank Delivery Truck to Pick-up Truck and subsequent transfer to Chemigation Nurse Tank	10	43	78	63	77	2739	440	383	860
	2	23.89	65	320	334.11											
	3	5.43	74	320	77.28											
	4	25.84	70	320	369.20											
	5	46.94	63	320	784.31											
	6	9.51	78	320	128.30											
	7	26.93	68	320	395.99											
	8	122.30	47	320	2739.13											
	9	93.53	43	320	2289.48											
	10	78.62	56	320	1403.98											
Loaded from tank truck directly into nurse tank that would feed irrigation system	1	1.00	8	320	125.00	42958401	(1c) Transferring Water Soluble Liquids from Tank Delivery Truck to Pick-up Truck and subsequent transfer to Chemigation Nurse Tank	5	8	12	10	83	125	342	382	567
	2	1.00	9	320	111.11											
	3	1.00	9	320	111.11											
	4	1.00	12	320	83.33											
	5	1.00	12	320	85.03											

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									Min	Max	Avg	Min	Max	GM	Median	Avg
Applicator only - exited cab for repairs	1	13.52	78	320	173.37	42968402	(2a) Applying Water Soluble Liquids via Shank Injection Equipment-Personal Sampler Pumps (enclosed cab with charcoal filter)	2	1	78	71	173	284	222	229	229
	2	17.91	63	320	284.32											
Applicator only - exited cab for repairs	1	83.63	74	320	1130.13	42968402	(2b) Applying Water Soluble Liquids via Shank Injection Equipment-Personal Sampler Pumps (enclosed cab with cellulose filter)	4	1	74	32	1130	1791	1486	1551	1506
	2	103.80	61	320	1791.13											
	3	88.37	60	320	1550.44											
	4	93.12	60	320	1552.00											

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									Min	Max	Avg	Min	Max	GM	Median	Avg
Applicator only - exited cab for repairs	1	26.69	60	320	444.84	42968402	(2c) Applying Water Soluble Liquids via Shank Injection Equipment-Personal Sampler Pumps (open cab)	4	1	77	33	221	3851	719	576	1306
	2	296.56	77	320	3851.43											
	3	40.93	61	320	706.22											
	4	15.07	62	320	220.90											
Sampling pump was operated in enclosed tractor cab with charcoal filter	1	32.40	113	160	286.73	45123902 45703703	(2d) Applying Water Soluble Liquids via Shank Injection Equipment-In-cab Sampler Pumps (enclosed cab with charcoal filter)	9	81	176	126	287	664	454	466	475
	2	42.70	144	160	296.53											
	3	47.50	121	160	392.56											
	4	54.10	116	160	466.38											
	5	39.80	111	160	358.56											
	6	53.80	81	160	664.20											
Sampling pump was operated in enclosed tractor cab with charcoal filter	1	106.39	176	160	604.46											
	2	74.52	118	160	631.48											
	3	88.13	153	160	575.98											

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									Min	Max	Avg	Min	Max	GM	Median	Avg
Applicator only - exited cab for repairs	1	41.60	65	320	653.06	42958401	(3a) Applying Water Soluble Liquids via Rotary Tiller Equipment-Personal Sampler Pumps(enclosed cab with charcoal filter)	5	63	72	34	243	2493	596	531	855
	2	174.50	70	320	2492.86											
	3	31.80	63	320	531.33											
	4	23.90	72	320	356.93											
	5	16.50	68	320	242.65											
Applicator only - exited cab for repairs	1	25.30	56	320	461.01	42958401	(3b) Applying Water Soluble Liquids via Rotary Tiller Equipment (enclosed cab with cellulose filter)	5	56	63	30	218	1218	567	469	678
	2	12.40	57	320	217.54											
	3	60.10	60	320	1022.11											
	4	27.60	60	320	469.39											
	5	72.90	63	320	1218.05											

