

C. APPENDIX: EEC CONVERSION FACTORS FOR 1,3-D AND CHLOROPICRIN

As described in Chapter 11, for estimating exposure concentrations following 1,3-D and chloropicrin NMFS relied on measures of direct runoff from field (considered to be a 1-day bin 0) reported in a field study (Heim, 2002). NMFS recognizes that exposures in aquatic habitats (e.g. bin 2) will be reduced due to factors such as dilution in the water body, degradation processes such as hydrolysis, and time (e.g. a 4-day time-weighted average in bin 2 will be less than the 1-day bin 0 EEC). To estimate reduction factors that could be applied to the initial 1-d bin 0 EEC described in Chapter 11 to estimate other EECs NMFS did use the PWC. A small set of PWC runs were done specifically to compare the 1-d bin 0 EECs to other EECs from the same application. The PWC batch file is provided in Appendix E (*1. 13D batch input file_DRAFT.csv*). PWC inputs were based on EPA's draft risk assessment for 1,3-D (2019) and information in Attachment A. The bin 0 estimates were based on the *.zts files. The Bin 2 and Bin 7 EECs are based on PWC runs using the appropriate water body parameters as PWC inputs. Additional information on the post-processing of the PWC outputs can be found in Chapter 11 and Appendix D. Summaries of the outputs are provided in Appendix E (*13D_withVol_eec.csv* and *13D_withVol_eec.csv_aggregated.csv*). The median annual peak EECs from the batch of PWC runs for different aquatic bins and time-weighted-averages are shown in Table 1.

Table 1. Median annual peak EEC over 30 years for each time-weighted average from 1,3-D PWC runs

HUC2	Use	Crop	Median Annual Peak EEC (ppb)								
			Bin 0			Bin 2			Bin 7		
			1-day	4-day	21-day	1-day	4-day	21-day	1-day	4-day	21-day
17a	Corn	FieldCrops	231.8	67.6	14.8	96.6	33.4	7.6	13.1	9.6	4.3
17b	Corn	FieldCrops	275.5	77.8	16.7	92.2	27.7	7.3	11.8	9.3	4.0
18a	Corn	FieldCrops	124.9	31.2	6.6	34.8	11.4	2.5	1.4	1.1	0.5
18b	Corn	FieldCrops	84.4	23.2	4.4	27.5	9.6	1.8	1.1	0.8	0.4
18a	Cotton	FieldCrops	161.7	47.1	11.2	87.7	33.5	6.9	5.4	4.6	2.0
18b	Cotton	FieldCrops	158.6	40.3	7.9	50.8	14.9	3.3	4.2	3.2	1.2
17a	Other Grains	FieldCrops	105.0	31.8	7.9	45.7	13.4	3.2	4.0	3.4	1.7
17b	Other Grains	FieldCrops	55.6	13.9	2.9	19.1	6.9	1.7	0.8	0.7	0.3
18a	Other Grains	FieldCrops	151.2	48.5	21.1	93.5	36.9	12.8	12.2	12.6	5.1
18b	Other Grains	FieldCrops	219.4	75.4	20.4	83.6	33.0	8.4	7.9	6.7	2.7

Public Review Draft 2-12-21

17a	Pasture	FieldCrops	105.0	31.8	7.9	45.7	13.4	3.2	4.0	3.4	1.7
17b	Pasture	FieldCrops	55.6	13.9	2.9	19.1	6.9	1.7	0.8	0.7	0.3
18a	Pasture	FieldCrops	121.6	36.9	8.6	64.8	19.2	4.4	4.2	3.5	1.9
18b	Pasture	FieldCrops	158.6	41.6	10.6	59.5	16.1	3.9	4.6	3.9	1.7
17a	Soybeans	FieldCrops	231.8	67.6	14.8	96.6	33.4	7.6	13.1	9.6	4.3
17b	Soybeans	FieldCrops	275.5	77.8	16.7	92.2	27.7	7.3	11.8	9.3	4.0
18a	Soybeans	FieldCrops	124.9	31.2	6.6	34.8	11.4	2.5	1.4	1.1	0.5
18b	Soybeans	FieldCrops	84.4	23.2	4.4	27.5	9.6	1.8	1.1	0.8	0.4
17a	Wheat	FieldCrops	105.0	31.8	7.9	45.7	13.4	3.2	4.0	3.4	1.7
17b	Wheat	FieldCrops	55.6	13.9	2.9	19.1	6.9	1.7	0.8	0.7	0.3
18a	Wheat	FieldCrops	151.2	48.5	21.1	93.5	36.9	12.8	12.2	12.6	5.1
18b	Wheat	FieldCrops	219.4	75.4	20.4	83.6	33.0	8.4	7.9	6.7	2.7
17a	Orchards and Vineyards	FruitNut	211.5	63.9	13.3	128.9	38.6	8.1	11.4	9.1	4.5
17b	Orchards and Vineyards	FruitNut	311.1	82.3	16.7	105.9	34.5	7.8	4.9	3.8	1.3
18a	Orchards and Vineyards	FruitNut	153.5	45.2	9.2	66.6	24.3	4.8	3.3	3.0	1.6
18b	Orchards and Vineyards	FruitNut	97.0	24.2	6.1	24.3	6.1	2.2	1.3	1.0	0.4
17a	Vegetables and Ground Fruit	MintVeg	411.1	122.0	28.7	190.9	72.8	16.4	30.7	24.3	12.0
17b	Vegetables and Ground Fruit	MintVeg	495.5	166.8	38.4	201.4	65.0	15.5	24.7	21.6	9.4
18a	Vegetables and Ground Fruit	MintVeg	282.4	89.2	19.2	153.8	53.4	11.4	7.8	6.6	3.6
18b	Vegetables and Ground Fruit	MintVeg	300.1	85.6	19.4	82.1	26.1	5.5	5.3	4.3	1.8
17a	Other Crops	Nursery	319.1	96.6	23.9	139.0	40.8	9.7	12.0	10.2	5.3
17b	Other Crops	Nursery	169.1	42.3	8.8	58.0	20.9	5.2	2.4	2.0	0.8
18a	Other Crops	Nursery	369.7	112.3	26.2	197.0	58.3	13.5	12.7	10.5	5.7
18b	Other Crops	Nursery	482.2	126.3	32.2	180.9	48.9	11.9	14.0	12.0	5.2
17a	Vegetables and Ground Fruit	PotatoID	781.7	293.9	71.8	397.7	137.8	36.6	83.8	66.3	34.5
17b	Vegetables and Ground Fruit	PotatoID	865.8	302.7	67.6	444.1	149.5	51.0	48.5	39.7	21.9

17a	Corn	UnspecifiedID	438.8	136.2	32.0	214.1	74.3	17.5	30.8	25.7	11.9
17b	Corn	UnspecifiedID	487.3	144.6	37.7	185.6	59.1	15.2	24.3	18.9	8.4
17a	Orchards and Vineyards	UnspecifiedID	191.8	58.8	15.1	117.1	45.9	10.9	16.2	14.1	6.6
17b	Orchards and Vineyards	UnspecifiedID	297.7	81.1	17.0	111.9	36.9	8.7	5.3	4.1	1.7
17a	Other Crops	UnspecifiedID	202.7	64.3	16.2	112.0	30.2	6.9	15.0	12.7	5.2
17b	Other Crops	UnspecifiedID	141.6	35.4	7.2	49.6	14.6	3.7	2.1	1.6	0.8
17a	Other Grains	UnspecifiedID	202.7	64.3	16.2	112.0	30.2	6.9	15.0	12.7	5.2
17b	Other Grains	UnspecifiedID	141.6	35.4	7.2	49.6	14.6	3.7	2.1	1.6	0.8
17a	Other RowCrops	UnspecifiedID	195.1	60.2	13.5	94.9	36.6	9.2	11.0	9.4	4.4
17b	Other RowCrops	UnspecifiedID	166.4	41.6	10.0	62.2	18.3	5.2	3.6	2.9	1.1
17a	Pasture	UnspecifiedID	202.7	64.3	16.2	112.0	30.2	6.9	15.0	12.7	5.2
17b	Pasture	UnspecifiedID	141.6	35.4	7.2	49.6	14.6	3.7	2.1	1.6	0.8
17a	Soybeans	UnspecifiedID	438.8	136.2	32.0	214.1	74.3	17.5	30.8	25.7	11.9
17b	Soybeans	UnspecifiedID	487.3	144.6	37.7	185.6	59.1	15.2	24.3	18.9	8.4
17a	Vegetables and Ground Fruit	UnspecifiedID	481.9	184.0	46.7	268.1	93.0	21.2	42.7	36.1	16.7
17b	Vegetables and Ground Fruit	UnspecifiedID	688.3	207.1	51.8	258.5	83.3	20.1	29.3	24.4	10.5
17a	Corn	UnspecifiedOR	603.3	198.0	45.6	322.0	108.2	24.6	40.5	34.4	16.7
17b	Corn	UnspecifiedOR	665.9	208.0	52.2	253.4	86.1	21.1	33.2	25.8	11.4
17a	Orchards and Vineyards	UnspecifiedOR	287.1	90.8	21.5	183.4	65.9	15.8	24.9	21.3	9.6
17b	Orchards and Vineyards	UnspecifiedOR	396.4	104.8	23.2	152.6	55.3	12.8	7.2	5.7	2.4
17a	Other Crops	UnspecifiedOR	283.6	91.7	22.5	153.6	43.6	9.9	20.3	17.1	7.0
17b	Other Crops	UnspecifiedOR	200.2	50.1	10.6	70.1	20.0	5.0	2.8	2.3	1.1
17a	Other Grains	UnspecifiedOR	283.6	91.7	22.5	153.6	43.6	9.9	20.3	17.1	7.0
17b	Other Grains	UnspecifiedOR	200.2	50.1	10.6	70.1	20.0	5.0	2.8	2.3	1.1
17a	Other RowCrops	UnspecifiedOR	307.4	89.5	19.2	130.2	54.2	13.9	15.8	13.6	6.3
17b	Other RowCrops	UnspecifiedOR	227.9	57.0	13.7	85.0	24.2	7.1	5.0	3.9	1.5
17a	Pasture	UnspecifiedOR	283.6	91.7	22.5	153.6	43.6	9.9	20.3	17.1	7.0

17b	Pasture	UnspecifiedOR	200.2	50.1	10.6	70.1	20.0	5.0	2.8	2.3	1.1
17a	Soybeans	UnspecifiedOR	603.3	198.0	45.6	322.0	108.2	24.6	40.5	34.4	16.7
17b	Soybeans	UnspecifiedOR	665.9	208.0	52.2	253.4	86.1	21.1	33.2	25.8	11.4
17a	Vegetables and Ground Fruit	UnspecifiedOR	661.6	255.4	68.3	365.9	127.0	30.1	58.7	49.6	22.8
17b	Vegetables and Ground Fruit	UnspecifiedOR	943.5	286.6	71.4	359.1	109.8	27.5	40.1	33.4	14.0
17a	Corn	UnspecifiedWA	438.8	136.2	32.0	214.1	74.3	17.5	30.8	25.7	11.9
17b	Corn	UnspecifiedWA	487.3	144.6	37.7	185.6	59.1	15.2	24.3	18.9	8.4
17a	Orchards and Vineyards	UnspecifiedWA	191.8	58.8	15.1	117.1	45.9	10.9	16.2	14.1	6.6
17b	Orchards and Vineyards	UnspecifiedWA	297.7	81.1	17.0	111.9	36.9	8.7	5.3	4.1	1.7
17a	Other Crops	UnspecifiedWA	202.7	64.3	16.2	112.0	30.2	6.9	15.0	12.7	5.2
17b	Other Crops	UnspecifiedWA	141.6	35.4	7.2	49.6	14.6	3.7	2.1	1.6	0.8
17a	Other Grains	UnspecifiedWA	202.7	64.3	16.2	112.0	30.2	6.9	15.0	12.7	5.2
17b	Other Grains	UnspecifiedWA	141.6	35.4	7.2	49.6	14.6	3.7	2.1	1.6	0.8
17a	Other RowCrops	UnspecifiedWA	195.1	60.2	13.5	94.9	36.6	9.2	11.0	9.4	4.4
17b	Other RowCrops	UnspecifiedWA	166.4	41.6	10.0	62.2	18.3	5.2	3.6	2.9	1.1
17a	Pasture	UnspecifiedWA	202.7	64.3	16.2	112.0	30.2	6.9	15.0	12.7	5.2
17b	Pasture	UnspecifiedWA	141.6	35.4	7.2	49.6	14.6	3.7	2.1	1.6	0.8
17a	Soybeans	UnspecifiedWA	438.8	136.2	32.0	214.1	74.3	17.5	30.8	25.7	11.9
17b	Soybeans	UnspecifiedWA	487.3	144.6	37.7	185.6	59.1	15.2	24.3	18.9	8.4
17a	Vegetables and Ground Fruit	UnspecifiedWA	481.9	184.0	46.7	268.1	93.0	21.2	42.7	36.1	16.7
17b	Vegetables and Ground Fruit	UnspecifiedWA	688.3	207.1	51.8	258.5	83.3	20.1	29.3	24.4	10.5
17a	Vegetables and Ground Fruit	VegVeg	355.5	105.5	24.8	165.1	63.0	14.1	26.6	21.0	10.4
17b	Vegetables and Ground Fruit	VegVeg	428.6	144.3	33.2	174.2	56.2	13.4	21.4	18.7	8.1
18a	Vegetables and Ground Fruit	VegVeg	244.3	77.2	16.6	133.1	46.2	9.8	6.8	5.7	3.1
18b	Vegetables and Ground Fruit	VegVeg	259.6	74.0	16.8	71.0	22.6	4.8	4.6	3.8	1.5

As explained in Chapter 11, NMFS determined that is not appropriate to rely on the absolute values of PWC EECs to assess exposures. Rather, these values were used to derive reduction factors to account for decreases in exposures that would occur due to processes reasonably captured by the PWC (e.g. dilution and degradation of the pesticide after entering aquatic habitats). These factors were calculated for each PWC run by dividing the EECs by the 1-day bin 0 EEC. The resulting reduction factors are shown in Table 2.

Table 2. PWC EECs relative to the 1-day bin 0 EEC for each run.

HUC2	Use	Crop	EEC relative to the 1-day bin 0 EEC (direct runoff)								
			Bin 0			Bin 2			Bin 7		
			1-day	4-day	21-day	1-day	4-day	21-day	1-day	4-day	21-day
17a	Corn	FieldCrops	1	0.292	0.064	0.417	0.144	0.033	0.056	0.042	0.019
17b	Corn	FieldCrops	1	0.282	0.061	0.335	0.100	0.026	0.043	0.034	0.015
18a	Corn	FieldCrops	1	0.250	0.053	0.279	0.091	0.020	0.011	0.009	0.004
18b	Corn	FieldCrops	1	0.275	0.052	0.325	0.114	0.022	0.013	0.010	0.004
18a	Cotton	FieldCrops	1	0.291	0.070	0.542	0.207	0.042	0.033	0.028	0.013
18b	Cotton	FieldCrops	1	0.254	0.050	0.320	0.094	0.021	0.026	0.020	0.007
17a	Other Grains	FieldCrops	1	0.303	0.075	0.436	0.128	0.030	0.038	0.032	0.016
17b	Other Grains	FieldCrops	1	0.250	0.052	0.343	0.124	0.031	0.014	0.012	0.005
18a	Other Grains	FieldCrops	1	0.321	0.140	0.618	0.244	0.085	0.080	0.083	0.034
18b	Other Grains	FieldCrops	1	0.344	0.093	0.381	0.151	0.038	0.036	0.031	0.012
17a	Pasture	FieldCrops	1	0.303	0.075	0.436	0.128	0.030	0.038	0.032	0.016
17b	Pasture	FieldCrops	1	0.250	0.052	0.343	0.124	0.031	0.014	0.012	0.005
18a	Pasture	FieldCrops	1	0.304	0.071	0.533	0.158	0.037	0.034	0.028	0.016
18b	Pasture	FieldCrops	1	0.262	0.067	0.375	0.101	0.025	0.029	0.025	0.011
17a	Soybeans	FieldCrops	1	0.292	0.064	0.417	0.144	0.033	0.056	0.042	0.019
17b	Soybeans	FieldCrops	1	0.282	0.061	0.335	0.100	0.026	0.043	0.034	0.015
18a	Soybeans	FieldCrops	1	0.250	0.053	0.279	0.091	0.020	0.011	0.009	0.004
18b	Soybeans	FieldCrops	1	0.275	0.052	0.325	0.114	0.022	0.013	0.010	0.004
17a	Wheat	FieldCrops	1	0.303	0.075	0.436	0.128	0.030	0.038	0.032	0.016
17b	Wheat	FieldCrops	1	0.250	0.052	0.343	0.124	0.031	0.014	0.012	0.005

Public Review Draft 2-12-21

18a	Wheat	FieldCrops	1	0.321	0.140	0.618	0.244	0.085	0.080	0.083	0.034
18b	Wheat	FieldCrops	1	0.344	0.093	0.381	0.151	0.038	0.036	0.031	0.012
17a	Orchards and Vineyards	FruitNut	1	0.302	0.063	0.610	0.182	0.038	0.054	0.043	0.021
17b	Orchards and Vineyards	FruitNut	1	0.265	0.054	0.340	0.111	0.025	0.016	0.012	0.004
18a	Orchards and Vineyards	FruitNut	1	0.294	0.060	0.434	0.158	0.031	0.021	0.019	0.010
18b	Orchards and Vineyards	FruitNut	1	0.250	0.063	0.250	0.063	0.023	0.013	0.010	0.004
17a	Vegetables and Ground Fruit	MintVeg	1	0.297	0.070	0.464	0.177	0.040	0.075	0.059	0.029
17b	Vegetables and Ground Fruit	MintVeg	1	0.337	0.077	0.406	0.131	0.031	0.050	0.044	0.019
18a	Vegetables and Ground Fruit	MintVeg	1	0.316	0.068	0.545	0.189	0.040	0.028	0.023	0.013
18b	Vegetables and Ground Fruit	MintVeg	1	0.285	0.065	0.274	0.087	0.018	0.018	0.014	0.006
17a	Other Crops	Nursery	1	0.303	0.075	0.436	0.128	0.030	0.038	0.032	0.016
17b	Other Crops	Nursery	1	0.250	0.052	0.343	0.124	0.031	0.014	0.012	0.005
18a	Other Crops	Nursery	1	0.304	0.071	0.533	0.158	0.037	0.034	0.028	0.016
18b	Other Crops	Nursery	1	0.262	0.067	0.375	0.101	0.025	0.029	0.025	0.011
17a	Vegetables and Ground Fruit	PotatoID	1	0.376	0.092	0.509	0.176	0.047	0.107	0.085	0.044
17b	Vegetables and Ground Fruit	PotatoID	1	0.350	0.078	0.513	0.173	0.059	0.056	0.046	0.025
17a	Corn	UnspecifiedID	1	0.310	0.073	0.488	0.169	0.040	0.070	0.059	0.027
17b	Corn	UnspecifiedID	1	0.297	0.077	0.381	0.121	0.031	0.050	0.039	0.017
17a	Orchards and Vineyards	UnspecifiedID	1	0.306	0.079	0.610	0.239	0.057	0.084	0.073	0.034
17b	Orchards and Vineyards	UnspecifiedID	1	0.272	0.057	0.376	0.124	0.029	0.018	0.014	0.006
17a	Other Crops	UnspecifiedID	1	0.317	0.080	0.553	0.149	0.034	0.074	0.063	0.025
17b	Other Crops	UnspecifiedID	1	0.250	0.051	0.350	0.103	0.026	0.015	0.011	0.005
17a	Other Grains	UnspecifiedID	1	0.317	0.080	0.553	0.149	0.034	0.074	0.063	0.025
17b	Other Grains	UnspecifiedID	1	0.250	0.051	0.350	0.103	0.026	0.015	0.011	0.005
17a	Other RowCrops	UnspecifiedID	1	0.309	0.069	0.486	0.188	0.047	0.056	0.048	0.022
17b	Other RowCrops	UnspecifiedID	1	0.250	0.060	0.374	0.110	0.031	0.022	0.017	0.007

Public Review Draft 2-12-21

17a	Pasture	UnspecifiedID	1	0.317	0.080	0.553	0.149	0.034	0.074	0.063	0.025
17b	Pasture	UnspecifiedID	1	0.250	0.051	0.350	0.103	0.026	0.015	0.011	0.005
17a	Soybeans	UnspecifiedID	1	0.310	0.073	0.488	0.169	0.040	0.070	0.059	0.027
17b	Soybeans	UnspecifiedID	1	0.297	0.077	0.381	0.121	0.031	0.050	0.039	0.017
17a	Vegetables and Ground Fruit	UnspecifiedID	1	0.382	0.097	0.556	0.193	0.044	0.089	0.075	0.035
17b	Vegetables and Ground Fruit	UnspecifiedID	1	0.301	0.075	0.376	0.121	0.029	0.043	0.036	0.015
17a	Corn	UnspecifiedOR	1	0.328	0.076	0.534	0.179	0.041	0.067	0.057	0.028
17b	Corn	UnspecifiedOR	1	0.312	0.078	0.381	0.129	0.032	0.050	0.039	0.017
17a	Orchards and Vineyards	UnspecifiedOR	1	0.316	0.075	0.639	0.229	0.055	0.087	0.074	0.033
17b	Orchards and Vineyards	UnspecifiedOR	1	0.264	0.059	0.385	0.140	0.032	0.018	0.014	0.006
17a	Other Crops	UnspecifiedOR	1	0.323	0.079	0.542	0.154	0.035	0.071	0.060	0.025
17b	Other Crops	UnspecifiedOR	1	0.250	0.053	0.350	0.100	0.025	0.014	0.011	0.005
17a	Other Grains	UnspecifiedOR	1	0.323	0.079	0.542	0.154	0.035	0.071	0.060	0.025
17b	Other Grains	UnspecifiedOR	1	0.250	0.053	0.350	0.100	0.025	0.014	0.011	0.005
17a	Other RowCrops	UnspecifiedOR	1	0.291	0.062	0.423	0.176	0.045	0.052	0.044	0.021
17b	Other RowCrops	UnspecifiedOR	1	0.250	0.060	0.373	0.106	0.031	0.022	0.017	0.007
17a	Pasture	UnspecifiedOR	1	0.323	0.079	0.542	0.154	0.035	0.071	0.060	0.025
17b	Pasture	UnspecifiedOR	1	0.250	0.053	0.350	0.100	0.025	0.014	0.011	0.005
17a	Soybeans	UnspecifiedOR	1	0.328	0.076	0.534	0.179	0.041	0.067	0.057	0.028
17b	Soybeans	UnspecifiedOR	1	0.312	0.078	0.381	0.129	0.032	0.050	0.039	0.017
17a	Vegetables and Ground Fruit	UnspecifiedOR	1	0.386	0.103	0.553	0.192	0.045	0.089	0.075	0.034
17b	Vegetables and Ground Fruit	UnspecifiedOR	1	0.304	0.076	0.381	0.116	0.029	0.042	0.035	0.015
17a	Corn	UnspecifiedWA	1	0.310	0.073	0.488	0.169	0.040	0.070	0.059	0.027
17b	Corn	UnspecifiedWA	1	0.297	0.077	0.381	0.121	0.031	0.050	0.039	0.017
17a	Orchards and Vineyards	UnspecifiedWA	1	0.306	0.079	0.610	0.239	0.057	0.084	0.073	0.034
17b	Orchards and Vineyards	UnspecifiedWA	1	0.272	0.057	0.376	0.124	0.029	0.018	0.014	0.006
17a	Other Crops	UnspecifiedWA	1	0.317	0.080	0.553	0.149	0.034	0.074	0.063	0.025

17b	Other Crops	UnspecifiedWA	1	0.250	0.051	0.350	0.103	0.026	0.015	0.011	0.005
17a	Other Grains	UnspecifiedWA	1	0.317	0.080	0.553	0.149	0.034	0.074	0.063	0.025
17b	Other Grains	UnspecifiedWA	1	0.250	0.051	0.350	0.103	0.026	0.015	0.011	0.005
17a	Other RowCrops	UnspecifiedWA	1	0.309	0.069	0.486	0.188	0.047	0.056	0.048	0.022
17b	Other RowCrops	UnspecifiedWA	1	0.250	0.060	0.374	0.110	0.031	0.022	0.017	0.007
17a	Pasture	UnspecifiedWA	1	0.317	0.080	0.553	0.149	0.034	0.074	0.063	0.025
17b	Pasture	UnspecifiedWA	1	0.250	0.051	0.350	0.103	0.026	0.015	0.011	0.005
17a	Soybeans	UnspecifiedWA	1	0.310	0.073	0.488	0.169	0.040	0.070	0.059	0.027
17b	Soybeans	UnspecifiedWA	1	0.297	0.077	0.381	0.121	0.031	0.050	0.039	0.017
17a	Vegetables and Ground Fruit	UnspecifiedWA	1	0.382	0.097	0.556	0.193	0.044	0.089	0.075	0.035
17b	Vegetables and Ground Fruit	UnspecifiedWA	1	0.301	0.075	0.376	0.121	0.029	0.043	0.036	0.015
17a	Vegetables and Ground Fruit	VegVeg	1	0.297	0.070	0.464	0.177	0.040	0.075	0.059	0.029
17b	Vegetables and Ground Fruit	VegVeg	1	0.337	0.077	0.406	0.131	0.031	0.050	0.044	0.019
18a	Vegetables and Ground Fruit	VegVeg	1	0.316	0.068	0.545	0.189	0.040	0.028	0.023	0.013
18b	Vegetables and Ground Fruit	VegVeg	1	0.285	0.065	0.273	0.087	0.018	0.018	0.014	0.006

NMFS used these values to derive single conversion factors to apply to all applications of both 1,3-D and chloropicrin. NMFS recognizes that applying these conversion factors to data on runoff from a single field study for 1,3-D (Heim, 2002) to estimate EECs for both a.i.s across all uses and all aquatic habitats and time-weighted averaging periods introduces uncertainty. The resulting conversion factors for the bins and time-weighted-averages are shown in Table 3, found in Chapter 11, and used in the Risk Characterization (e.g. in the Risk Plots).

Table 3. Means of the relative EECs across all PWC runs.

	EEC relative to bin 0 1-day EEC (mean of all PWC runs)								
	Bin 0			Bin 2			Bin 7		
	1-day	4-day	21-day	1-day	4-day	21-day	1-day	4-day	21-day
mean	1	0.296	0.070	0.435	0.142	0.035	0.044	0.037	0.017