

Table 3.8 Impact of EPA's Tolerance Decisions on Dietary Risk (Toxicity Index) for Risk-Driving Chemicals in Domestic Samples

	Tolerance as of August 1996 (ppm)	Tolerance as of August 2000 (ppm)	TI Before EPA Action	Estimated TI After EPA Action
parathion-methyl				
Peaches	1	NT	1,534.8	0.0
Pears	1	NT	127.6	0.0
Green Beans, Canned/Frozen	1	NT	81.3	0.0
Apples	1	NT	73.9	0.0
Grapes	1	NT	24.9	0.0
Sweet Peas, Processed	1	NT	3.4	0.0
Wheat	1	1	3.3	3.3
Celery	1	NT	1.9	0.0
Sweet Potatoes	0.1	0.1	1.9	1.9
Apple Juice	1	NT	0.8	0.0
Carrots	1	NT	0.5	0.0
Spinach, Fresh	1	NT	0.4	0.0
		Totals	1,854.6	5.1
		Percent Change		99.7%
chlorpyrifos-methyl				
Wheat	6	6	754.5	754.5
		Totals	754.5	754.5
		Percent Change		0.0%
methamidophos				
Green Beans, Fresh	0.02	0.02	284.9	284.9
Green Beans, Canned/Frozen	0.02	0.02	169.1	169.1
Tomatoes	1	1	87.9	87.9
Celery	1	1	40.2	40.2
Lettuce	1	1	7.6	7.6
Potatoes	0.1	0.1	2.7	2.7
Broccoli	1	1	2.2	2.2
Winter squash, Frozen	0.02	0.02	1.0	1.0
Sweet Peas, Processed	0.02	0.02	0.2	0.2
Cantaloupe	0.5	0.5	0.1	0.1
		Totals	595.9	595.9
		Percent Change		0.0%

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	Tolerance as of August 1996 (ppm)	Tolerance as of August 2000 (ppm)	TI Before EPA Action	Estimated TI After EPA Action
methomyl				
Strawberries, Fresh	2	2	243.0	243.0
Grapes	5	5	61.2	61.2
Strawberries, Frozen	2	2	46.2	46.2
Spinach, Fresh	6	6	30.4	30.4
Lettuce	5	5	15.3	15.3
Green Beans, Fresh	2	2	6.2	6.2
Peaches	5	5	5.2	5.2
Celery	3	3	2.4	2.4
Cantaloupe	0.2	0.2	2.3	2.3
Green Beans, Canned/Frozen	2	2	1.3	1.3
Apples	1	1	1.2	1.2
Sweet Peas, Processed	5	5	0.3	0.3
Broccoli	2	2	0.3	0.3
Pears	4	4	0.2	0.2
Apple Juice	1	1	0.1	0.1
Tomatoes	1	1	0.1	0.1
		Totals	415.7	415.7
		Percent Change		0.0%
mevinphos				
Lettuce	0.5	0.5	286.5	0.0
Spinach, Fresh	1	1	40.5	0.0
Celery	1	1	12.2	0.0
Apples	0.5	NT	7.6	0.0
		Totals	346.8	0.0
		Percent Change		100.0%
permethrin				
Spinach, Canned	20	20	176.7	176.7
Spinach, Fresh	20	20	122.1	122.1
Lettuce	20	20	7.5	7.5
Celery	5	5	3.3	3.3
Tomatoes	2	2	0.6	0.6
Peaches	5	5	0.3	0.3
Broccoli	1	1	0.0	0.0
Winter Squash, Fresh	3	3	0.0	0.0
Cantaloupe	3	3	0.0	0.0
Pears	3	3	0.0	0.0
Apples	0.05	0.05	0.0	0.0
		Totals	310.7	310.7
		Percent Change		0.0%

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	Tolerance as of August 1996 (ppm)	Tolerance as of August 2000 (ppm)	TI Before EPA Action	Estimated TI After EPA Action
dicofol				
Grapes	5	5	116.5	116.5
Strawberries, Fresh	5	5	101.2	101.2
Strawberries, Frozen	5	5	29.0	29.0
Apples	5	5	19.9	19.9
Pears	5	5	11.3	11.3
Cantaloupe	5	5	6.8	6.8
Tomatoes	5	5	4.4	4.4
Peaches	10	10	1.5	1.5
Green Beans, Canned/Frozen	5	5	0.5	0.5
Oranges	10	10	0.4	0.4
Winter Squash, Fresh	5	5	0.4	0.4
Orange Juice	10	10	0.1	0.1
Green Beans, Fresh	5	5	0.1	0.1
		Totals	291.9	291.9
		Percent Change		0.0%
iprodione				
Peaches	20	20	153.4	153.4
Strawberries, Fresh	15	15	57.3	57.3
Strawberries, Frozen	15	15	17.8	17.8
Grapes	60	60	5.9	5.9
Carrots	5	5	3.5	3.5
Green Beans, Fresh	2	2	1.1	1.1
Green Beans, Canned/Frozen	2	2	0.2	0.2
Peaches, Canned	20	20	0.2	0.2
Grape Juice	60	60	0.1	0.1
Potatoes	0.5	0.5	0.0	0.0
		Totals	239.5	239.5
		Percent Change		0.0%
azinphos-methyl				
Pears	2	1.5	130.4	130.4
Apples	2	1.5	80.7	80.7
Peaches	2	2	12.4	12.4
Spinach, Fresh	2	2	4.0	4.0
Apple Juice	2	1.5	2.8	2.8
Green Beans, Fresh	2	2	0.6	0.6
Wheat	0.2	NT	0.5	0.0
Grapes	5	4	0.3	0.3
Tomatoes	2	2	0.3	0.3
Peaches, Canned	2	2	0.2	0.2
Oranges	2	2	0.1	0.1
		Totals	232.3	231.8
		Percent Change		0.2%

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	Tolerance as of August 1996 (ppm)	Tolerance as of August 2000 (ppm)	TI Before EPA Action	Estimated TI After EPA Action
oxamyl				
Celery	3	3	166.1	166.1
Winter Squash, Fresh	2	2	29.2	29.2
Pears	2	2	10.7	10.7
Apples	2	2	10.5	10.5
Tomatoes	2	2	1.5	1.5
Cantaloupe	2	2	0.4	0.4
Apple Juice	2	2	0.4	0.4
		Totals	218.7	218.7
		Percent Change		0.0%
chlorpyrifos				
Apples	1.5	0.01	87.1	3.8
Tomatoes	0.5	NT	13.3	0.0
Grapes	0.5	0.01	10.6	1.1
Oranges	1	1	10.5	10.5
Sweet Potatoes	0.05	0.05	9.4	9.4
Wheat	1.5	1.5	9.3	9.3
Soybean Grain	0.3	0.3	7.3	7.3
Peaches	0.05	0.05	5.8	5.8
Broccoli	1	1	2.1	2.1
Pears	0.05	0.05	1.5	1.5
Strawberries, Fresh	0.2	0.2	0.7	0.7
Orange Juice	0.1	0.1	0.2	0.2
		Totals	157.9	51.8
		Percent Change		67.2%
acephate				
Green Beans, Fresh	3	3	60.0	60.0
Celery	10	10	47.9	47.9
Green Beans, Canned/Frozen	0.02	0.02	31.1	31.1
Lettuce	10	10	3.6	3.6
Cantaloupe	0.5	0.5	0.3	0.3
Winter Squash, Frozen	0.02	0.02	0.2	0.2
Tomatoes	1	1	0.2	0.2
Peaches, Canned	0.02	0.02	0.0	0.0
Potatoes	0.1	0.1	0.0	0.0
Apple Juice	0.02	0.02	0.0	0.0
		Totals	143.3	143.3
		Percent Change		0.0%

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diphenylamine				
Apples	10	10	120.0	120.0
Pears	NT	10	0.9	0.9
Apple Juice	10	10	0.4	0.4
		Totals	121.3	121.3
		Percent Change		0.0%
formetamate HCL				
Peaches	5	5	108.8	108.8
Oranges	4	4	6.8	6.8
Apples	3	3	2.2	2.2
Pears	3	3	1.9	1.9
		Totals	119.7	119.7
		Percent Change		0.0%
Top 14 Domestic Risk Drivers			Totals	5,802.8
			Percent Change	-39.7%