

Appendix E
Comparison of Reportable Pesticides Sold in British Columbia in 1991, 1995 and 1999
(Sorted Alphabetically)

Active Ingredient	1991 Sales (kg)	1995 Sales (kg)	1999 Sales (kg)	Change from 1991 (kg)
1,2-Ethanediol	87.0	34.8	34.8	- 52.2
1,3-Dichloropropene	7,262	4,800		- 7,262
1-Bromo-3-Chloro-5,5-Dimethylhydantoin	224	133		- 224
2-(Hydroxymethyl)-2-Nitro-1,3-Propanediol	3.07	27.4	26.5	+ 23.4
2,4-D Acid	34	11.2	54.3	+ 20.5
2,4-D Amine	12,327	12,340	13,903	+ 1,575
2,4-D Ester	2,349	2,584	4,083	+ 1,734
2,4-DB Esters	935	615	972	+ 37.1
2,4-Xylenol (or 2,4-Dimethylphenol)		0.11	0.01	+ 0.01
2-[[N[4-Methoxy-6-Methyl-1,3,5-Triazine-2-YI]-N-Methylaminocarbonyl]Aminosulfonyl]-Methyl Ester Benzoic Acid		21.0		-
2-Chloro-N-[(4-Methoxy-6-Methyl-1,3,5-Triazin-2-YI)Aminocarbonyl]Benzene Sulfonamide	9.41	0.38	1.13	- 8.29
4-Aminopyridine	0.07	0.21	0.47	+ 0.40
4-Chloro-3,5-Xylenol	0.19			- 0.19
6-Benzylaminopurine (or: 6-Benzyladenine)	1.55	8.61	9.75	+ 8.2
Abamectin			13.4	+ 13.4
Acephate	804	949	1,347	+ 543
Allethrin	0.60	0.40		- 0.60
Aluminum Phosphide	200	736	151	- 49.8
Aminoethoxyvinylglycine			1.70	+ 1.7
Amitraz		69.3	32.7	+ 32.7
Amitrole	1,308	1,258	1,062	- 245.4
Ammonia	18.2	729		- 18.2
Ammonium Sulphate	1,343			- 1,343
Ancymidol	0.13	0.17	0.27	+ 0.14
Anilazine	99.0	579	5.00	- 94.0
Atrazine	22,898	10,928	9,991	- 12,907
Azinphos-Methyl	17,820	21,804	10,595	- 7,225
<i>Bacillus thuringiensis</i> Berliner ssp. <i>kurstaki</i>	3,095	12,283	17,895	+ 14,800
<i>Bacillus thuringiensis</i> ssp. <i>tenebrionis</i>			100	+ 100
<i>Bacillus thuringiensis</i> , Serotype H-14	3,188	11,270	21,875	+ 18,687
Bendiocarb	346	216	118	- 229
Benomyl	3,689	3,603	4,369	+ 680.0
Bensulide		9.60		-
Bentazon	1,433	1,377	1,314	- 118.6
Boracic Acid (Boric Acid)	59.6	690	422	+ 363
Borax			60.0	+ 60.0
Brodifacoum	0.21	0.34	0.60	+ 0.39
Bromacil	912	798	351	- 561
Bromadiolone	0.43	0.43	0.72	+ 0.29
Bromoxynil	2,306	1,053	2,089	- 217
Butoxypolypropylene Glycol	3.73			- 3.73
Butylate	384	80.0		- 384
Capsaicin			0.51	+ 0.51
Captafol	9.60			- 9.60
Captan	28,451	29,160	27,498	- 953
Carbaryl	7,274	8,984	9,271	+ 1,997
Carbathiin	935	889	705	- 229.7

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Carbofuran	1,021	997	478	- 542.6
Chinomethionat	237	295	78.0	- 159
Chloramben	57.6			- 57.6
Chlormequat	833	997	1,388	+ 555
Chloroneb	152	727	78.0	- 73.6
Chlorophacinone	0.24	0.14	0.19	- 0.06
Chloropicrin	203			- 203
Chlorothalonil	3,721	15,871	26,640	+ 22,919
Chloroxuron	59.4			- 59.4
Chlorpropham	601	1,944	635	+ 34.2
Chlorpyrifos	4,436	5,552	4,466	+ 30.2
Chlorthal	1,034	1,406	165	- 869
Cholecalciferol	0.19	1.21	0.17	- 0.02
Clethodim		38.9	44.8	+ 44.8
Clodinafop-Propargyl		141	445	+ 445
Clofentezine	6.75	43.1	517	+ 510.7
Clopyralid	378	376	1,121	+ 742.77
Coal Tar Acids	0.68			- 0.68
Coal Tar Oils	2.40			- 2.40
Copper Oxychloride	10,202	16,316	14,699	+ 4,497
Copper Sulphate	8.25	3.14	4.11	- 4.14
Copper Triethanolamine Complex	276	96.5	24.0	- 252
Coumaphos	22.6	3.11	0.58	- 22.1
Creosote	4.00			- 4.00
Crotoxyphos	2.44			- 2.44
Cupric Hydroxide	634	6,023	6,920	+ 6,286
Cyanazine	74.8		9.60	- 65.2
Cycloate	115	43.2	14.4	- 101
Cyfluthrin			23.0	+ 23.0
Cyhalothrin-Lambda			77.0	+ 77.0
Cypermethrin	84.6	258	243	+ 159
Cyprodinil			361	+ 361
Cyromazine			20.6	+ 20.6
Daminozide	549	455	570	+ 21.3
Dazomet	3,450	5,370	10,035	+ 6,586
Deltamethrin	30.7	43.0	33.8	+ 3.1
Denatonium Benzoate		0.12	0.03	+ 0.03
Desmedipham		24.8	25.5	+ 25.5
Diazinon	19,643	22,552	24,563	+ 4,920
Dicamba	5,596	3,098	3,269	- 2,327
Dichlobenil	5,533	5,575	4,981	- 552.1
Dichlone	815	36.0	1.00	- 814
Dichloran	24.0	3.00	122	+ 98.2
Dichlorprop Ester	414	207	161	- 253
Dichlorvos	130	62.0	137	+ 6.9
Diclofop-Methyl	3,593	304	128	- 3,465
Dicofol	735	466	313	- 422
Didecyl Dimethyl Ammonium Chloride	0.11	1.18	2.02	+ 1.9
Dienochlor	246	645	162	- 84.3
Difenoconazole			10.3	+ 10.3

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Active Ingredient	1991 Sales (kg)	1995 Sales (kg)	1999 Sales (kg)	Change from 1991 (kg)
Difenzoquat	1,889	68.0	64.0	- 1,825
Dimethoate	2,999	7,702	4,275	+ 1,276
Dimethomorph			347	+ 347
Dinocap	114	77.9	1.77	- 112
Dinoseb	7,233	6.00	48.0	- 7,185
Di-N-Propyl Isocinchomeronate	10.5	0.73	0.30	- 10.1
Diphacinone	0.17	0.17	0.16	- 0.02
Diphenamid	4.00			- 4.00
Diphenylamine	805	429		- 805
Diquat	1,374	1,837	1,641	+ 266
Disodium Octaborate Tetrahydrate			591	+ 591
Disulfoton	702	556	343	- 359
Dithiopyr			0.48	+ 0.48
Diuron	1,641	3,015	4,906	+ 3,265
DNOC, Sodium Salt	386			- 386
Dodemorph-Acetate	54.4	320	480	+ 426
Dodine	7,281	81.9	91.0	- 7,190
D-Trans Allethrin	10.0	7.94	1.48	- 8.55
Endosulfan	6,857	7,308	4,712	- 2,146
EPTC	5,592	4,496	2,616	- 2,976
Ergocalciferol	0.23			- 0.23
Ethalfuralin	26,917	5,033	2,289	- 24,628
Ethametsulfuron-Methyl	20.5	27.3	42.4	+ 21.9
Ethephon	479	532	609	+ 130.8
Ethion	245	3.00		- 245
Ethoxyquin	315	20.3		- 315
Etridiazole	169	201	173	+ 3.2
Fatty Acid		162		-
Fenbutatin Oxide	206	351	78.8	- 128
Fenhexamid			102	+ 102
Fenoxaprop-Ethyl	609	5.96	0.36	- 608
Fenoxaprop-P-Ethyl (Isomer)		1,180	565	+ 565
Fensulfothion	211			- 211
Fenthion	37.3	9.35	7.18	- 30.2
Fenvalerate	7.40	4.76	1.20	- 6.20
Ferbam	730	850	1,854	+ 1,124
Flamprop-Methyl	427		1.85	- 425
Flamprop-M-Methyl	70.4	19.4	1.16	- 69.2
Fluazifop-Butyl	527	166	122	- 405
Fluazifop-P-Butyl	720	2,165	1,056	+ 336
Flucythrinate	4.79	0.08		- 4.79
Fluroxypyr 1-Methylheptyl Ester			793	+ 793
Flusilazol			7.50	+ 7.5
Fluvalinate			0.24	+ 0.24
Folpet	4,285	70.0	765	- 3,520
Fonofos	3,796	6,292	90.0	- 3,706
Formaldehyde	3,007	14,342	25,495	+ 22,488
Formetanate Hydrochloride	14.7	59.3	55.2	+ 40.5
Fosetyl-Al			14,451	+ 14,451
Gibberellic Acid	2.29	13.9	12.9	+ 10.6

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Gibberellins			5.59	+ 5.6
Glufosinate Ammonium		167	1,484	+ 1,484
Glycolic Acid		2.02	7.84	+ 7.8
Glyphosate Acid			26,810	+ 26,810
Glyphosate, Isopropylamine	110,157	124,698	108,763	- 1,394
Glyphosate, Mono-Ammonium Salt			158	+ 158
Glyphosate, Trimethylsulfonium Salt			10,176	+ 10,176
Hexazinone	156	58.9	213	+ 57.8
Hydramethylon	0.18	21.6	7.98	+ 7.8
Imazamethabenz	589	1,152	1,528	+ 938
Imazamox			31.3	+ 31.3
Imazapyr		34.2	57.0	+ 57.0
Imazethapyr		59.0		-
Imazethapyr			65.0	+ 65.0
Imidacloprid			188	+ 188
Iprodione	1,204	3,320	5,477	+ 4,274
Isoxaben			30.1	+ 30.1
Kinoprene	4.99	82.4	47.5	+ 42.5
Lime Sulphur or Calcium Polysulphide	8,835	20,565	10,851	+ 2,016
Lindane (Gamma-BHC)	326	272	239	- 87.3
Linuron	1,990	3,900	3,533	+ 1,543
Malathion	12,094	6,523	6,691	- 5,403
Maleic Hydrazide	2,576	2,672	3,126	+ 549.2
Mancozeb	29,511	41,907	44,682	+ 15,171
Maneb	3,621	55.7	85.0	- 3,536
MCPA Amine	11,382	8,065	9,625	- 1,756
MCPA Ester	4,973	7,697	10,847	+ 5,874
MCPA Potassium or Sodium Salt	922	1,729	996	+ 74.8
MCPB Sodium Salt	173	72.0	52.5	- 120
M-Cresol	0.07	0.11	0.011	- 0.06
Mecoprop Acid	18.9	30.2	10.7	- 8.19
Mecoprop Amine	2,882	4,290	3,533	+ 651
Mecoprop Potassium Salt	433	234	768	+ 335
Metalaxyl	982	1,704	3,463	+ 2,481
Metalaxyl-M (Mefenoxam)			4.46	+ 4.5
Metaldehyde	21.0	4.50		- 21.0
Metam	27,437	20,422	30,855	+ 3,418
Methamidophos	2,947	1,910	1,500	- 1,447
Methidathion	3,732	1,174	130	- 3,602
Methiocarb	4.60	25.6	6.72	+ 2.1
Methomyl	346	439	128	- 217.8
Methoprene	105	0.65	27.1	- 77.4
Methoxychlor	171	65.0	56.7	- 114
Methyl 3-[[[(4-Methoxy-6-Methyl-1,3,5-Triazin-2-Yl) Amino] Carbonyl] Amino] Sulfonyl]-2-Thiophenecarboxylate	541	733		- 541
Methyl Bromide	21,958	21,888	9,353	- 12,605
Methyl Isothiocyanate	550	2,400		- 550
Metiram	27,618	20,874	23,890	- 3,728
Metobromuron	192	48.0	88.0	- 104

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Metolachlor	10,727	6,807	5,621	- 5,105
Metribuzin	722	634	287	- 434.8
Metsulfuron-Methyl	90.9	107	81.0	- 10.0
Mineral Oil (Herbicidal or Plant Growth Regulator)	38,540	25,215	35,260	- 3,280
Mineral Oil (Insecticidal or Adjuvant)	162,245	206,440	261,845	+ 99,600
Monolinuron	944	924	508	- 436.0
Monosodium Methane Arsonate		1,210	493	+ 493
Muscalure	0.40	0.28	0.12	- 0.27
Myclobutanil		860	1,204	+ 1,204
Naled	1,481	1,965	658	- 823
N-Alkyl (40% C12, 50% C14, 10% C16) Dimethyl Benzyl Ammonium Chloride	20.7	135	49.5	+ 28.8
N-Alkyl (5% C12, 60% C14, 30% C16, 5% C18) Dimethyl Benzyl Ammonium Chloride	8.80	0.45		- 8.80
N-Alkyl (67% C12, 25% C14, 7% C16, 1% C18) Dimethyl Benzyl Ammonium Chloride	0.37	4.33	4.76	+ 4.4
N-Alkyl (68% C12, 32% C14) Dimethyl Ethylbenzyl Ammonium Chloride		0.45		-
Naphthalene Acetic Acid	202	170	95.8	- 106
Naphthaleneacetamide	82.3	24.9	7.98	- 74.4
Napropamide	3,666	5,102	6,693	+ 3,027
Naptalam	373	192	74.4	- 299
Nicosulfuron			123	+ 123
Nicotine	1,280	1,066	1,142	- 137
N-Octyl Bicycloheptene Dicarboximide	55.7	41.6	56.5	+ 0.76
Nonylphenoxypolyethoxyethanol	5,585	8,929	9,245	+ 3,660
O-Benzyl-P-Chlorophenol	31.3	40.8	143	+ 111.38
Octylphenoxypolyethoxyethanol	2,564	5,957	4,680	+ 2,116
Oleoresin Capsicum		0.73		-
O-Phenylphenol	36.8	46.8	156	+ 119.19
Oxadiazon		254	299	+ 299
Oxamyl	141	2,027	658	+ 517
Oxine Benzoate	31.8	62.4	117	+ 84.8
Oxycarboxin	6.15	44.6	22.8	+ 16.7
Oxydemeton-Methyl	529	468	539	+ 9.8
Oxyfluorfen	184	254	180	- 4.15
Paclobutrazol			0.45	+ 0.45
Paraffin Base Mineral Oil (Adjuvant)	7,599	5,912	7,266	- 333
Paraffin Base Petroleum Oil	6,342	5,579	1,548	- 4,795
Paraformaldehyde			25.5	+ 25.5
Paraquat			4,817	+ 4,817
Parathion	4,054	3,969	3,792	- 262.8
Pendimethalin	333	1,119	2,422	+ 2,089
Pentachlorophenol	4.18			- 4.18
Permethrin	198	405	579	+ 380
Petroleum Hydrocarbon Blend			3,849	+ 3,849
Phenmedipham		26.0	25.5	+ 25.5
Phenylmercuric Acetate	8.20			- 8.20
Pheromone: Codling Moth		316	1.03	+ 1.0
Phorate	878			- 878

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Active Ingredient	1991 Sales (kg)	1995 Sales (kg)	1999 Sales (kg)	Change from 1991 (kg)
Phosalone	2,025	2,753	1,628	- 398
Phosmet	2,604	4,535	2,228	- 376
Phosphoric Acid		81.6		-
Picloram	330	2,241	1,762	+ 1,432
Picloram Amine	41.1	27.0	43.6	+ 2.4
Pindone	0.35	0.17		- 0.35
Pine Oil	0.34			- 0.34
Piperonyl Butoxide	139	301	245	+ 106
Pirimicarb	720	624	712	- 8.88
Polyacrylamide		17.6	4.84	+ 4.8
Polymerized Butenes	31.1		49.7	+ 18.6
Polyoxyalkylated Alkyl Phosphate Ester			116	+ 116
Potassium Peroxymonosulfate Sulfate			119	+ 119
Prometryne	327	430	285	- 42.0
Propamocarb Hydrochloride			2,044	+ 2,044
Propargite	2,856	1,493	3.90	- 2,852
Propetamphos	16.3	7.59	4.18	- 12.1
Propiconazole	18.0	40.0	508	+ 490.4
Propoxur	832	765	257	- 574.5
Propyzamide	93.5	63.0	198	+ 104.1
P-Tert Amyl Phenol	7.36	9.80	32.8	+ 25.4
Putrescent Whole Egg Solids		1.11		-
Pyrazon			20.6	+ 20.6
Pyrazophos	12.0	9.00		- 12.0
Pyrethrins	27.6	47.5	49.3	+ 21.7
Pyridaben			40.0	+ 40.0
Pyridate	306	1,060	634	+ 328
Quinclorac			71.2	+ 71.2
Quintozene	5,813	15,581	7,253	+ 1,440
Quizalofop P-Ethyl			228	+ 228
Quizalofop-Ethyl		448	31.2	+ 31.2
Rimsulfuron			1.68	+ 1.7
Rotenone	0.61	2.13	2.28	+ 1.7
Sethoxydim	943	784	1,466	+ 523
Silica Aerogel		10.8	34.7	+ 34.7
Silicon Dioxide Salt Water Fossils	13.4		128	+ 115
Siloxyated Polyether			276	+ 276
Simazine	9,048	10,639	8,079	- 969
Soap (Insecticidal)	1,033	2,405	3,599	+ 2,566
Soap (Herbicidal)		564	568	+ 568
Sodium Chlorate	6,416	12,930	3,881	- 2,535
Sodium Chlorite			12.9	+ 12.9
Sodium Hypochlorite			611	+ 611
Sodium Metaborate Tetrahydrate	14,259	29,020	8,773	- 5,487
Streptomycin	3.47	15.6	21.4	+ 17.9
Strychnine	61.1	49.2	30.0	- 31.1
Sulfaquinoxaline	0.16	0.19	0.005	- 0.16
Sulfosulfuron			96.4	+ 96.4
Sulfotep	2,131	3,665	1,593	- 538
Sulphur	28,101	26,319	36,393	+ 8,292

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Surfactant Blend	1,340	3,242	8,896	+ 7,557
Tallow Fatty Acid Amine Ethoxylate	1,836	559	88.0	- 1,748
Tebufenozide			633	+ 633
Tebuthiuron	230	27.8	1.00	- 229
Tefluthrin			78.0	+ 78.0
Terbacil	4.00	8.00	35.2	+ 31.2
Terbufos	143	585	2,405	+ 2,263
Tetrachlorvinphos	25.0	36.0	25.0	-
Tetradifon	11.3			- 11.3
Thiabendazole	529	373	186	- 343
Thifensulfuron Methyl			329	+ 329
Thiophanate-Methyl	2,261	1,079	1,527	- 734
Thiram	360	702	427	+ 67.3
Tralkoxydim		705	1,152	+ 1,152
Triadimefon	13.5			- 13.5
Triallate	20,584	5,958	3,289	- 17,296
Triasulfuron			27.7	+ 27.7
Tribasic Copper Sulphate	85.4		21.2	- 64.2
Tribenuron Methyl			106	+ 106
Trichlorfon	26.8	9.36	2.30	- 24.5
Triclopyr	9.60	15.4	7,144	+ 7,134
Trifluralin	5,857	4,125	2,347	- 3,510
Triforine	1,079	995	683	- 395.7
Vernolate	2,284	16.0		- 2,284
Vinclozolin		55.5	528	+ 528.0
Warfarin	0.32	0.26	0.013	- 0.31
Water Soluble Dyes	149	48.6	25.2	- 124
Zinc Phosphide	194	162	122	- 72.6
Zineb	1,142	2,459	1,278	+ 136
Ziram	8,656	5,976	3,539	- 5,117
Grand Total	916,933	1,005,086	1,093,195	+ 176,262
Number of Active Ingredients	243	246	277	+ 34

Appendix E
Comparison of Reportable Pesticides Sold in British Columbia in 1991, 1995 and 1999
(Sorted by Magnitude of Change)

Active Ingredient	1991 Sales (kg)	1995 Sales (kg)	1999 Sales (kg)	Change from 1991 (kg)
Ethalfuralin	26,917	5,033	2,289	- 24,628
Triallate	20,584	5,958	3,289	- 17,296
Atrazine	22,898	10,928	9,991	- 12,907
Methyl Bromide	21,958	21,888	9,353	- 12,605
1,3-Dichloropropene	7,262	4,800		- 7,262
Azinphos-Methyl	17,820	21,804	10,595	- 7,225
Dodine	7,281	81.9	91.0	- 7,190
Dinoseb	7,233	6.00	48.0	- 7,185
Sodium Metaborate Tetrahydrate	14,259	29,020	8,773	- 5,487
Malathion	12,094	6,523	6,691	- 5,403
Ziram	8,656	5,976	3,539	- 5,117
Metolachlor	10,727	6,807	5,621	- 5,105
Paraffin Base Petroleum Oil	6,342	5,579	1,548	- 4,795
Metiram	27,618	20,874	23,890	- 3,728
Fonofos	3,796	6,292	90.0	- 3,706
Methidathion	3,732	1,174	130	- 3,602
Maneb	3,621	55.7	85.0	- 3,536
Folpet	4,285	70.0	765	- 3,520
Trifluralin	5,857	4,125	2,347	- 3,510
Diclofop-Methyl	3,593	304	128	- 3,465
Mineral Oil (Herbicidal or Plant Growth Regulator)	38,540	25,215	35,260	- 3,280
EPTC	5,592	4,496	2,616	- 2,976
Propargite	2,856	1,493	3.90	- 2,852
Sodium Chlorate	6,416	12,930	3,881	- 2,535
Dicamba	5,596	3,098	3,269	- 2,327
Vernolate	2,284	16.0		- 2,284
Endosulfan	6,857	7,308	4,712	- 2,146
Difenzoquat	1,889	68.0	64.0	- 1,825
MCPA Amine	11,382	8,065	9,625	- 1,756
Tallow Fatty Acid Amine Ethoxylate	1,836	559	88.0	- 1,748
Methamidophos	2,947	1,910	1,500	- 1,447
Glyphosate, Isopropylamine	110,157	124,698	108,763	- 1,394
Ammonium Sulphate	1,343			- 1,343
Simazine	9,048	10,639	8,079	- 969
Captan	28,451	29,160	27,498	- 953
Phorate	878			- 878
Chlorthal	1,034	1,406	165	- 869
Naled	1,481	1,965	658	- 823
Dichlone	815	36.0	1.00	- 814
Diphenylamine	805	429		- 805
Thiophanate-Methyl	2,261	1,079	1,527	- 734
Fenoxaprop-Ethyl	609	5.96	0.36	- 608
Propoxur	832	765	257	- 574.5
Bromacil	912	798	351	- 561
Dichlobenil	5,533	5,575	4,981	- 552.1
Methyl Isothiocyanate	550	2,400		- 550
Carbofuran	1,021	997	478	- 542.6
Methyl 3-[[[(4-Methoxy-6-Methyl-1,3,5-Triazin-2-Yl) Amino] Carbonyl] Amino] Sulfonyl]-2-Thiophenecarboxylate	541	733		- 541

Appendix E
Comparison of Reportable Pesticides Sold in British Columbia in 1991, 1995 and 1999
(Sorted by Magnitude of Change)

Active Ingredient	1991 Sales (kg)	1995 Sales (kg)	1999 Sales (kg)	Change from 1991 (kg)
Sulfotep	2,131	3,665	1,593	- 538
Monolinuron	944	924	508	- 436.0
Metribuzin	722	634	287	- 434.8
Flamprop-Methyl	427		1.85	- 425
Dicofol	735	466	313	- 422
Fluazifop-Butyl	527	166	122	- 405
Phosalone	2,025	2,753	1,628	- 398
Triforine	1,079	995	683	- 395.7
DNOC, Sodium Salt	386			- 386
Butylate	384	80.0		- 384
Phosmet	2,604	4,535	2,228	- 376
Disulfoton	702	556	343	- 359
Thiabendazole	529	373	186	- 343
Paraffin Base Mineral Oil (Adjuvant)	7,599	5,912	7,266	- 333
Ethoxyquin	315	20.3		- 315
Naptalam	373	192	74.4	- 299
Parathion	4,054	3,969	3,792	- 262.8
Dichlorprop Ester	414	207	161	- 253
Copper Triethanolamine Complex	276	96.5	24.0	- 252
Amitrole	1,308	1,258	1,062	- 245.4
Ethion	245	3.00		- 245
Carbathiin	935	889	705	- 229.7
Tebuthiuron	230	27.8	1.00	- 229
Bendiocarb	346	216	118	- 229
1-Bromo-3-Chloro-5,5-Dimethylhydantoin	224	133		- 224
Methomyl	346	439	128	- 217.8
Bromoxynil	2,306	1,053	2,089	- 217
Fensulfothion	211			- 211
Chloropicrin	203			- 203
Chinomethionat	237	295	78.0	- 159
Nicotine	1,280	1,066	1,142	- 137
Fenbutatin Oxide	206	351	78.8	- 128
Water Soluble Dyes	149	48.6	25.2	- 124
MCPB Sodium Salt	173	72.0	52.5	- 120
Bentazon	1,433	1,377	1,314	- 118.6
Methoxychlor	171	65.0	56.7	- 114
Dinocap	114	77.9	1.77	- 112
Naphthalene Acetic Acid	202	170	95.8	- 106
Metobromuron	192	48.0	88.0	- 104
Cycloate	115	43.2	14.4	- 101
Anilazine	99.0	579	5.00	- 94.0
Lindane (Gamma-BHC)	326	272	239	- 87.3
Dienochlor	246	645	162	- 84.3
Methoprene	105	0.65	27.1	- 77.4
Naphthaleneacetamide	82.3	24.9	7.98	- 74.4
Chloroneb	152	727	78.0	- 73.6
Zinc Phosphide	194	162	122	- 72.6
Flamprop-M-Methyl	70.4	19.4	1.16	- 69.2
Cyanazine	74.8		9.60	- 65.2
Tribasic Copper Sulphate	85.4		21.2	- 64.2

Appendix E
Comparison of Reportable Pesticides Sold in British Columbia in 1991, 1995 and 1999
(Sorted by Magnitude of Change)

Active Ingredient	1991 Sales (kg)	1995 Sales (kg)	1999 Sales (kg)	Change from 1991 (kg)
Chloroxuron	59.4			- 59.4
Chloramben	57.6			- 57.6
1,2-Ethanediol	87.0	34.8	34.8	- 52.2
Aluminum Phosphide	200	736	151	- 49.8
Prometryne	327	430	285	- 42.0
Strychnine	61.1	49.2	30.0	- 31.1
Fenthion	37.3	9.35	7.18	- 30.2
Trichlorfon	26.8	9.36	2.30	- 24.5
Coumaphos	22.6	3.11	0.58	- 22.1
Metaldehyde	21.0	4.50		- 21.0
Ammonia	18.2	729		- 18.2
Triadimefon	13.5			- 13.5
Propetamphos	16.3	7.59	4.18	- 12.1
Pyrazophos	12.0	9.00		- 12.0
Tetradifon	11.3			- 11.3
Di-N-Propyl Isocinchomeronate	10.5	0.73	0.30	- 10.1
Metsulfuron-Methyl	90.9	107	81.0	- 10.0
Captafol	9.60			- 9.60
Pirimicarb	720	624	712	- 8.88
N-Alkyl (5% C12, 60% C14, 30% C16, 5% C18) Dimethyl Benzyl Ammonium Chloride	8.80	0.45		- 8.80
D-Trans Allethrin	10.0	7.94	1.48	- 8.55
2-Chloro-N-[(4-Methoxy-6-Methyl-1,3,5-Triazin-2 Yl)Aminocarbonyl]Benzene Sulfonamide	9.41	0.38	1.13	- 8.29
Phenylmercuric Acetate	8.20			- 8.20
Mecoprop Acid	18.9	30.2	10.7	- 8.19
Fenvalerate	7.40	4.76	1.20	- 6.20
Flucythrinate	4.79	0.08		- 4.79
Pentachlorophenol	4.18			- 4.18
Oxyfluorfen	184	254	180	- 4.15
Copper Sulphate	8.25	3.14	4.11	- 4.14
Creosote	4.00			- 4.00
Diphenamid	4.00			- 4.00
Butoxypolypropylene Glycol	3.73			- 3.73
Crotoxyphos	2.44			- 2.44
Coal Tar Oils	2.40			- 2.40
Coal Tar Acids	0.68			- 0.68
Allethrin	0.60	0.40		- 0.60
Pindone	0.35	0.17		- 0.35
Pine Oil	0.34			- 0.34
Warfarin	0.32	0.26	0.013	- 0.31
Muscalure	0.40	0.28	0.12	- 0.27
Ergocalciferol	0.23			- 0.23
4-Chloro-3,5-Xylenol	0.19			- 0.19
Sulfaquinoxaline	0.16	0.19	0.005	- 0.16
M-Cresol	0.07	0.11	0.011	- 0.06
Chlorophacinone	0.24	0.14	0.19	- 0.06
Cholecalciferol	0.19	1.21	0.17	- 0.02
Diphacinone	0.17	0.17	0.16	- 0.02
Tetrachlorvinphos	25.0	36.0	25.0	-

Appendix E
Comparison of Reportable Pesticides Sold in British Columbia in 1991, 1995 and 1999
(Sorted by Magnitude of Change)

Active Ingredient	1991 Sales (kg)	1995 Sales (kg)	1999 Sales (kg)	Change from 1991 (kg)
2-[[N[4-Methoxy-6-Methyl-1,3,5-Triazine-2-Yl]-N-Methylaminocarbonyl]Aminosulfonyl]-Methyl Ester Benzoic Acid		21.0		-
Bensulide		9.60		-
Fatty Acid		162		-
Imazethapyr		59.0		-
N-Alkyl (68% C12, 32% C14) Dimethyl Ethylbenzyl Ammonium Chloride		0.45		-
Oleoresin Capsicum		0.73		-
Phosphoric Acid		81.6		-
Putrescent Whole Egg Solids		1.11		-
2,4-Xylenol (or 2,4-Dimethylphenol)		0.11	0.01	+ 0.01
Denatonium Benzoate		0.12	0.03	+ 0.03
Ancymidol	0.13	0.17	0.27	+ 0.14
Fluvalinate			0.24	+ 0.24
Bromadiolone	0.43	0.43	0.72	+ 0.29
Brodifacoum	0.21	0.34	0.60	+ 0.39
4-Aminopyridine	0.07	0.21	0.47	+ 0.40
Paclobutrazol			0.45	+ 0.45
Dithiopyr			0.48	+ 0.48
Capsaicin			0.51	+ 0.51
N-Octyl Bicycloheptene Dicarboximide	55.7	41.6	56.5	+ 0.76
Pheromone: Codling Moth		316	1.03	+ 1.0
Rotenone	0.61	2.13	2.28	+ 1.7
Rimsulfuron			1.68	+ 1.7
Aminoethoxyvinylglycine			1.70	+ 1.7
Didecyl Dimethyl Ammonium Chloride	0.11	1.18	2.02	+ 1.9
Methiocarb	4.60	25.6	6.72	+ 2.1
Picloram Amine	41.1	27.0	43.6	+ 2.4
Deltamethrin	30.7	43.0	33.8	+ 3.1
Etridiazole	169	201	173	+ 3.2
N-Alkyl (67% C12, 25% C14, 7% C16, 1% C18) Dimethyl Benzyl Ammonium Chloride	0.37	4.33	4.76	+ 4.4
Metalaxyl-M (Mefenoxam)			4.46	+ 4.5
Polyacrylamide		17.6	4.84	+ 4.8
Gibberellins			5.59	+ 5.6
Dichlorvos	130	62.0	137	+ 6.9
Flusilazol			7.50	+ 7.5
Hydramethydon	0.18	21.6	7.98	+ 7.8
Glycolic Acid		2.02	7.84	+ 7.8
6-Benzylaminopurine (or: 6-Benzyladenine)	1.55	8.61	9.75	+ 8.2
Oxydemeton-Methyl	529	468	539	+ 9.8
Difenoconazole			10.3	+ 10.3
Gibberellic Acid	2.29	13.9	12.9	+ 10.6
Sodium Chlorite			12.9	+ 12.9
Abamectin			13.4	+ 13.4
Oxycarboxin	6.15	44.6	22.8	+ 16.7
Streptomycin	3.47	15.6	21.4	+ 17.9
Polymerized Butenes	31.1		49.7	+ 18.6
2,4-D Acid	34	11.2	54.3	+ 20.5

Appendix E
Comparison of Reportable Pesticides Sold in British Columbia in 1991, 1995 and 1999
(Sorted by Magnitude of Change)

Active Ingredient	1991 Sales (kg)	1995 Sales (kg)	1999 Sales (kg)	Change from 1991 (kg)
Cyromazine			20.6	+ 20.6
Pyrazon			20.6	+ 20.6
Daminozide	549	455	570	+ 21.3
Pyrethrins	27.6	47.5	49.3	+ 21.7
Ethametsulfuron-Methyl	20.5	27.3	42.4	+ 21.9
Cyfluthrin			23.0	+ 23.0
2-(Hydroxymethyl)-2-Nitro-1,3-Propanediol	3.07	27.4	26.5	+ 23.4
P-Tert Amyl Phenol	7.36	9.80	32.8	+ 25.4
Paraformaldehyde			25.5	+ 25.5
Desmedipham		24.8	25.5	+ 25.5
Phenmedipham		26.0	25.5	+ 25.5
Triasulfuron			27.7	+ 27.7
N-Alkyl (40% C12, 50% C14, 10% C16) Dimethyl Benzyl Ammonium Chloride	20.7	135	49.5	+ 28.8
Isoxaben			30.1	+ 30.1
Chlorpyrifos	4,436	5,552	4,466	+ 30.2
Terbacil	4.00	8.00	35.2	+ 31.2
Quizalofop-Ethyl		448	31.2	+ 31.2
Imazamox			31.3	+ 31.3
Amitraz		69.3	32.7	+ 32.7
Chlorpropham	601	1,944	635	+ 34.2
Silica Aerogel		10.8	34.7	+ 34.7
2,4-DB Esters	935	615	972	+ 37.1
Pyridaben			40.0	+ 40.0
Formetanate Hydrochloride	14.7	59.3	55.2	+ 40.5
Kinoprene	4.99	82.4	47.5	+ 42.5
Clethodim		38.9	44.8	+ 44.8
Imazapyr		34.2	57.0	+ 57.0
Hexazinone	156	58.9	213	+ 57.8
Borax			60.0	+ 60.0
Imazethapyr			65.0	+ 65.0
Thiram	360	702	427	+ 67.3
Quinclorac			71.2	+ 71.2
MCPA Potassium or Sodium Salt	922	1,729	996	+ 74.8
Cyhalothrin-Lambda			77.0	+ 77.0
Tefluthrin			78.0	+ 78.0
Oxine Benzoate	31.8	62.4	117	+ 84.8
Sulfosulfuron			96.4	+ 96.4
Dichloran	24.0	3.00	122	+ 98.2
Bacillus thuringiensis ssp. tenebrionis			100	+ 100
Fenhexamid			102	+ 102
Propyzamide	93.5	63.0	198	+ 104.1
Piperonyl Butoxide	139	301	245	+ 106
Tribenuron Methyl			106	+ 106
O-Benzyl-P-Chlorophenol	31.3	40.8	143	+ 111.38
Silicon Dioxide Salt Water Fossils	13.4		128	+ 115
Polyoxyalkylated Alkyl Phosphate Ester			116	+ 116
Potassium Peroxymonosulfate Sulfate			119	+ 119
O-Phenylphenol	36.8	46.8	156	+ 119.19
Nicosulfuron			123	+ 123

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Active Ingredient	1991 Sales (kg)	1995 Sales (kg)	1999 Sales (kg)	Change from 1991 (kg)
Ethephon	479	532	609	+ 130.8
Zineb	1,142	2,459	1,278	+ 136
Glyphosate, Mono-Ammonium Salt			158	+ 158
Cypermethrin	84.6	258	243	+ 159
Imidacloprid			188	+ 188
Quizalofop P-Ethyl			228	+ 228
Diquat	1,374	1,837	1,641	+ 266
Siloxylated Polyether			276	+ 276
Oxadiazon		254	299	+ 299
Pyridate	306	1,060	634	+ 328
Thifensulfuron Methyl			329	+ 329
Mecoprop Potassium Salt	433	234	768	+ 335
Fluazifop-P-Butyl	720	2,165	1,056	+ 336
Dimethomorph			347	+ 347
Cyprodinil			361	+ 361
Boracic Acid (Boric Acid)	59.6	690	422	+ 363
Permethrin	198	405	579	+ 380
Dodemorph-Acetate	54.4	320	480	+ 426
Clodinafop-Propargyl		141	445	+ 445
Propiconazole	18.0	40.0	508	+ 490.4
Monosodium Methane Arsonate		1,210	493	+ 493
Clofentezine	6.75	43.1	517	+ 510.7
Oxamyl	141	2,027	658	+ 517
Sethoxydim	943	784	1,466	+ 523
Vinclozolin		55.5	528	+ 528.0
Acephate	804	949	1,347	+ 543
Maleic Hydrazide	2,576	2,672	3,126	+ 549.2
Chlormequat	833	997	1,388	+ 555
Fenoxaprop-P-Ethyl (Isomer)		1,180	565	+ 565
Soap (Herbicidal)		564	568	+ 568
Disodium Octaborate Tetrahydrate			591	+ 591
Sodium Hypochlorite			611	+ 611
Tebufenozide			633	+ 633
Mecoprop Amine	2,882	4,290	3,533	+ 651
Benomyl	3,689	3,603	4,369	+ 680.0
Clopyralid	378	376	1,121	+ 742.77
Fluroxypyr 1-Methylheptyl Ester			793	+ 793
Imazamethabenz	589	1,152	1,528	+ 938
Ferbam	730	850	1,854	+ 1,124
Tralkoxydim		705	1,152	+ 1,152
Myclobutanil		860	1,204	+ 1,204
Dimethoate	2,999	7,702	4,275	+ 1,276
Picloram	330	2,241	1,762	+ 1,432
Quintozene	5,813	15,581	7,253	+ 1,440
Glufosinate Ammonium		167	1,484	+ 1,484
Linuron	1,990	3,900	3,533	+ 1,543
2,4-D Amine	12,327	12,340	13,903	+ 1,575
2,4-D Ester	2,349	2,584	4,083	+ 1,734
Carbaryl	7,274	8,984	9,271	+ 1,997
Lime Sulphur or Calcium Polysulphide	8,835	20,565	10,851	+ 2,016

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Active Ingredient	1991 Sales (kg)	1995 Sales (kg)	1999 Sales (kg)	Change from 1991 (kg)
Propamocarb Hydrochloride			2,044	+ 2,044
Pendimethalin	333	1,119	2,422	+ 2,089
Octylphenoxypolyethoxyethanol	2,564	5,957	4,680	+ 2,116
Terbufos	143	585	2,405	+ 2,263
Metalaxyl	982	1,704	3,463	+ 2,481
Soap (Insecticidal)	1,033	2,405	3,599	+ 2,566
Napropamide	3,666	5,102	6,693	+ 3,027
Diuron	1,641	3,015	4,906	+ 3,265
Metam	27,437	20,422	30,855	+ 3,418
Nonylphenoxypolyethoxyethanol	5,585	8,929	9,245	+ 3,660
Petroleum Hydrocarbon Blend			3,849	+ 3,849
Iprodione	1,204	3,320	5,477	+ 4,274
Copper Oxychloride	10,202	16,316	14,699	+ 4,497
Paraquat			4,817	+ 4,817
Diazinon	19,643	22,552	24,563	+ 4,920
MCPA Ester	4,973	7,697	10,847	+ 5,874
Cupric Hydroxide	634	6,023	6,920	+ 6,286
Dazomet	3,450	5,370	10,035	+ 6,586
Triclopyr	9.60	15.4	7,144	+ 7,134
Surfactant Blend	1,340	3,242	8,896	+ 7,557
Sulphur	28,101	26,319	36,393	+ 8,292
Glyphosate, Trimethylsulfonium Salt			10,176	+ 10,176
Fosetyl-Al			14,451	+ 14,451
Bacillus thuringiensis Berliner ssp. kurstaki	3,095	12,283	17,895	+ 14,800
Mancozeb	29,511	41,907	44,682	+ 15,171
Bacillus thuringiensis, Serotype H-14	3,188	11,270	21,875	+ 18,687
Formaldehyde	3,007	14,342	25,495	+ 22,488
Chlorothalonil	3,721	15,871	26,640	+ 22,919
Glyphosate Acid			26,810	+ 26,810
Mineral Oil (Insecticidal or Adjuvant)	162,245	206,440	261,845	+ 99,600
Grand Total	916,933	1,005,086	1,093,195	+ 176,262
Number of Active Ingredients	243	246	277	+ 34