

APPENDIX A

Health Advisory Levels for Selected Pesticides in Drinking Water (EPA Office of Ground Water and Drinking Water)

Compound	Health advisory level ($\mu\text{g/l}$)	Compound	Health advisory level ($\mu\text{g/l}$)
Alachlor	2	Diquat	20
Aldicarb	10	Endothall	100
Aldicarb sulphoxide	10	Endrin	2
Aldicarb sulphone	10	Glyphosate	700
Atrazine	3	Methomyl	200
Bromacil	80	Methyl parathion	2
Carbofuran	40	Metolachlor	10
Chlorthalonil	2	Oxamyl	200
Cyanazine	9	Picloram	500
2,4-D	70	Simazine	4
Dalapon	200	Trifluralin	2
Dinoseb	7		

Source: D. Barcelo, *J. Chromatogr.*, 643(1993)117-143.

APPENDIX B

Commercial Names, Chemical Names and LD₅₀ Values of Important Organophosphate Insecticides

Insecticide		LD ₅₀ value (mg/kg) against rats
Commercial name	Chemical name	
Bidrin®	3-(dimethoxyphosphenyloxy)-N,N-dimethyl-cis-crotonamide	15
Carbophenothion, Trithion®	o,o-diethyl-5-p-chlorophenylthiomethyl phosphorodithioate	10
Co-Ral®, Coumaphos	o,o-diethyl-o-3-chloro-4-methyl-2-oxo-2H-1-benzopyran-7-yl phosphorothioate	15
DBD, Guthion®	o,o-dimethyl-s-4-oxo-1,2,3-benzotriazin-3 (4H)-ylmethyl phosphorodithioate	10
DDVP	dimethyl-2,2-dichlorovinyl phosphate	56
Delnav®	2,3-dioxanedithiobis (o,o-diethyl phosphorodithioate)	23
Diazinon	o,o-diethyl-o-2-isopropyl-4-methyl-6-pyrimidyl phosphorothioate	76
Dibrom	1,2-dibromo-2,2-dichloroethyl dimethylphosphate	430
Dimethoate	o,o-dimethyl-s-(N-methyl carbamylmethyl)-phosphorodithioate	215
Di-Syston®	o,o-diethyl-s-(2-ethylthioethyl)phosphorodithioate	2.3

(Continued)

Insecticide		LD ₅₀ value (mg/kg) against rats
Commercial name	Chemical name	
EPN	o-ethyl-o-p-nitrophenylbenzene thionophosphonate	7.7
Korlan® , Ronnel	o,o-dimethyl-o-(2,4,5-trichlorophenyl)- phosphorothioate	1250
Malathion	o,o-dimethyl-s-(1,2-dicarbethoxyethyl) phosphorodithioate	400
Meta-Systox®	o,o-dimethyl-s-(2-ethylsulfinylethyl) phosphorothioate	65
Methyl Parathion, Metacide®	o,o-dimethyl-o-(p-nitrophenyl)-phosphorothioate	14
Parathion	o,o-diethyl-o-(p-nitrophenyl)-phosphorothioate	3
Phosdrin	2-carbomethoxy-1-methylvinyl dimethyl phosphate	3.7

Source: P. Singhasene, *Toxicity of Insecticides to User and Environment*, Chulalongkorn University, 1988. (in Thai).

APPENDIX C

Forbidden Importation of Some Toxic Substances

Toxic substance	Forbidden date	Toxic substance	Forbidden date
Chlordimeform	April,1977	Sodium chlorate	October,1986
Leptophos	April,1977	Dinoseb	November,1986
BHC	March,1980	Captafol	April,1987
Sodium arsenite	January,1981	Fluoroacetamide	July,1987
Endrin	July,1981	Sodium fluoroacetate	July,1987
MEMC	June,1982	Cyhexatin	May,1988
DDT	March,1983	Parathion (ethyl parathion)	May,1988
Toxaphene	March,1983	Dieldrin	May,1988
2,4,5-T	September,1983	Aldrin	September,1988
Tepp	June,1984	Heptachlor	September,1988
EDB	July,1986		

Source: J. Pumonggudchai, Toxic Material News, Ministry of Agriculture and Cooperator, 1992, (in Thai).

VITA

Name : Miss Anong Srisopa

Date of Birth : February 1,1974

Academic Status : High School Certificate holder from
ChalermKwan Stree School, Phitsanuloke,
1992
: B.S. (Chemistry) degree holder from
Chiang Mai University, Chiang Mai, 1996