

LIST OF ABBREVIATIONS

°C	-degree Centigrade = Celsius
α	-level of significance
Δ	-difference
μg	-microgram
μL	-microliter
χ^2	-chi-square
AChE	-acetylcholinesterases
amsl	-above mean sea level
ANOVA	-analysis of variance
APS	-ammonium persulphate
AR	-activity ratio
BOD	-biological oxygen demand
BSA	-bovine serum albumin
CCE	-carboxyl/cholinesterases
CDNB	-1-chloro-2, 4-dinitrobenzene
CIB	-Central Insecticides Board and Registration Committee
cm	-centimetre
CYP450	-cytochrome P450
DEF	-S, S, S – tributylphosphorotrithioate
df	-degrees of freedom
E	-east
EC	-emulsifiable concentrate
EC	-enzyme commission
ETL	-economic threshold level
F	-F statistic
g	-gram
g	-gravity
GE	-general esterase
GST	-glutathione S-transferase

h	-hour
HCH	-hexachlorocyclohexane
HSD	-honestly significant difference
IC ₅₀	-half the maximal inhibitory concentration
IPM	-integrated pest management
kg	-kilogram
LC	-lethal concentration
L : D	-light:dark
M	-molar
mM	-millimolar
m	-metre
mg	-milligram
mL	-millilitre
min	-minute
mm	-millimetre
mM	-millimolar
MOA	-mode of action
n	-number of observation/sample size
N	-north
NADPH	-reduced nicotinamide adenine dinucleotide
NE	-north-east
OD	-optical density
<i>p</i>	-probability
PBO	-piperonyl butoxide
PBS	-phosphate buffer saline
per. comm.	-personal communication
pH	-potential of hydrogen
ppm	-parts per million
<i>r</i>	-Pearson's correlation coefficient
<i>R</i> ²	-coefficient of determination
<i>R_f</i>	-retardation factor

RH	-relative humidity
RR	-resistance ratio
S	-south
<i>SD</i>	-standard deviation of mean
SDS	-sodium dodecyl sulphate
<i>SE</i>	-standard error of mean
Sig.	- level of significance
SL	-soluble concentrate
<i>t</i>	-Student's <i>t</i>
USD	-United State dollar
UV	-ultraviolet
v : v	-volume: volume
W	-west
WHO	-World Health Organisation

LIST OF APPENDICES

Appendix A	List of sampling sites
Appendix B	BSA standard curve for determination of protein concentration
Appendix C	Data matrix for probit analysis to determine IC ₅₀
Appendix D	List of publications
Appendix E	Reprints of publications