



**BELIZE**

**PESTICIDES CONTROL ACT  
CHAPTER 216**

**REVISED EDITION 2003**  
SHOWING THE SUBSIDIARY LAWS AS AT 31ST OCTOBER, 2003

This is a revised edition of the Subsidiary Laws, prepared by the Law Revision Commissioner under the authority of the Law Revision Act, Chapter 3 of the Substantive Laws of Belize, Revised Edition 2000.

**ARRANGEMENT OF SUBSIDIARY LAWS**



**BELIZE**

**PESTICIDES CONTROL ACT  
CHAPTER 216**

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This is a revised edition of the Subsidiary Laws, prepared by the Law Revision Commissioner under the authority of the Law Revision Act, Chapter 3 of the Substantive Laws of Belize, Revised Edition 2000.

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**CHAPTER 216**

**REGISTERED AND RESTRICTED PESTICIDES  
(USES, RESTRICTIONS AND PRECAUTIONS) REGULATIONS**

**ARRANGEMENT OF REGULATIONS**

1. Short title.
2. Interpretation.
3. Directions on use.
4. Uses, restrictions, etc. in Schedule to be followed.

**SCHEDULE**

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**CHAPTER 216**

77 of 1990.  
Act 18 of 1988.

**REGISTERED AND RESTRICTED PESTICIDES  
(USES, RESTRICTIONS AND PRECAUTIONS) REGULATIONS**  
*(Section 15)*

*[14<sup>th</sup> July, 1990.]*

- Short title.            1.        These Regulations may be cited as the
- REGISTERED AND RESTRICTED PESTICIDES (USES,  
RESTRICTIONS AND PRECAUTIONS) REGULATIONS.**
- Interpretation.        2.        In these Regulations, unless the context otherwise requires-
- (a)        “pre-harvest interval” means the period before  
harvest of a crop when no pesticide should be  
sprayed.
- (b)        “withholding period” means the length of time after  
spraying a crop during which livestock should be  
withheld.
- Direction on use.      3.        Registered and restricted pesticides shall be used according to general  
directions given in the label, and special attention shall be paid to necessary  
protective clothing and to the pre-harvest interval and withholding period.
- Uses, restrictions,  
etc. in Schedule to  
be followed.            4.        The uses restrictions and precautions as shown in the Schedule annexed  
hereto shall apply to restricted pesticides listed in Schedule III to the Pesticides  
Control Act.

**MADE** by the Minister of Agriculture and Fisheries this 7<sup>th</sup> day of March, 1990.

**(MICHAEL ESPAT)**  
*Minister of Agriculture and Fisheries*

**SCHEDULE****[Regulation 4]**

\* Normally used formulation highly toxic to bees.

<b>Pesticide</b>	<b>LD %</b>	<b>Uses<sup>1</sup></b>	<b>Uses, restrictions and precautions</b>	<b>No.</b>
acilfluorfen (e.g. Blazer)	1300	H	Post-emergence broadleaf and grassy weed control.	0217
alachlor (e.g. Lasso)	1200	H	Selective pre-emergence herbicide. Precautions required in handling.	0001
aioicarb, granular formulations only (e.g. Temik)	0.9	IN	For use in citrus nurseries and young citrus groves only.	0085
aluminium phosphide (e.g. Phostoxin, Gastoxin, Celphos)	2.8	IR	For fumigation or grain bins.	0086
amitraz (e.g. Tactic)	800	AI	For veterinary use only.	0211
arsenicals	-	FHIMNK	For use in the chromated copper arsenic process of pole treatment only; and only after consultation with the PCB.	0231
* azinphos-aethyl (e.g. Guthlon)	5	AI	For use on agricultural crops only.	0087
gamma-BHC formulations containing less than 1.0% a.i.	76	I	For veterinary and medical use under prescription.	0088
bendiocarb (e.g. Ficam)	143	I	For use in control of household pests by certified applicators.	0089
bensulfuron methyl (e.g. Londax)	>5000	H	For use in flooded paddy-rice fields.	0212
bromacil (e.g. Krovar, Hyvar X)	5200	H	For use in citrus only.	0209
bronopol (e.g. Bronotak)	180	Z	For use in cotton only.	0223
carbofuran (e.g. Curaterr, Furadan)	5.3	IN	For use as a soil applied insecticide and nematicide only.	0090
carbophenothion	20	AI	For veterinary purposes in control of cattle ticks.	0091

Pesticide	LD %	Uses <sup>1</sup>	Uses, restrictions and precautions	No.
chlorfenvinphos	10	I	For use as a soil insecticide only. All other uses must first be approved by Pesticides Control Board.	0092
chlorimuron ethyl (e.g. Classic)	>4000	H	For post-emergence use in soybeans.	0213
* chlorpyrifos except in approved products containing less than 2% a.i. (e.g. Lorsban Dursban)	97	AI	For use by certified applicators for control of household pests and termites and in veterinary and agronomic practice.	0093
coumaphos except in approved products containing less than 2% a.i. (e.g. Asuntol, Co-Ral)	13	AI	For use as livestock insecticide/acaricide, and with domestic animals under veterinary advice.	0094
cyanazine (e.g. Bladex)	288	H	For pre-emergence use in corn and sorghum.	0218
demeton-S-methyl (e.g. Metasystox)	64	AI	For use in agronomic crops only.	0095
2, 4-D amine	375	H	For use in agricultural crops as a broad leaf herbicide; by ground application only.	0096
2, 4-D ester	375	H	For use in pastures only. Danger of damage to other crops by drift.	0097
DDT	87	I	For use only by Public Health Officials.	0098
diazinon except in approved products containing less than 2% a.i. (e.g. Diazinon, Spectracide)	76	I	For agricultural use and by registered applicators for control of household insects.	0099
* dichlorvos (DDVP) except in approved products containing less than 2% a.i. (Vapona)	25	I	Veterinary and household use by certified applicators.	0033
* dimethoate EC formulations only (e.g. Cygon)	215	AIN	For agricultural use.	0101
DSMA	1800	H	For use only in cotton. Wear goggles or face shield, rubber or neoprene gloves, rubber apron.	0230
* EPN	26	AI	For agronomic crops only.	0103
ethlon	208	AI	For control of citrus mites and scales, and Boophilus sp. in cattle.	0104

<b>Pesticide</b>	<b>LD %</b>	<b>Uses<sup>1</sup></b>	<b>Uses, restrictions and precautions</b>	<b>No.</b>
ethoprophos (ethoprop) (e.g. Mocap)	34	IN	For use as a soil insecticide/nematicide only.	0105
* fenamiphos (e.g. Nemaicur)	8	N	For control of nematodes in agricultural crops only.	0106
fenitrothion (e.g. Folithion)	800	AI	For agricultural and Public Health use only.	0107
fenthion (e.g. Tiguvon)	190	AI	For agricultural and veterinary use only.	0195
fluometuron (e.g. Cotoran)	8900	H	For use only in cotton. Wear protective clothing.	0224
FHC 67825 (Rugby)	37	IN	For use as a soil applied insecticide/nematicide.	0108
fomesafen (e.g. Flex)	1500	H	For selective control of broad leaf weeds.	0216
fonofos (e.g. Dyfonate)	3	I	For use as a soil insecticide only.	0109
ioxynil (e.g. Actril)	110	H	For use in agricultural crops as a broad leaf herbicide; by ground application only.	0110
Kasugamycin (e.g. Kasumin)	22	F	Anti-fungal antibiotic for control of rice blast only.	0196
magnesium phosphide (e.g. Magtoxin)	2.8	IR	For fumigation of grain bins.	0111
mancozeo (e.g. Manzate 200, Dithane M-45)	>8000	F	Breakdown product harmful; toxic to fish; for use only as directed.	0112
maneb (usually in combinations)	6750	F	Breakdown product harmful; toxic to fish; for use only as directed.	0197
mepiquat-chloride (e.g. Pix)	1420	H	For use as a defoliator only in cotton. Use hat, long sleeves, trousers, gloves and goggles.	0228
* methamidophos (e.g. Tamaron, Monitor)	7.5	AI	For use on agricultural crops only.	0113
metham studio (e.g. Vapam)	820	FHIN	Restricted for use as a soil fumigant.	0114



Pesticide	LD %	Uses <sup>1</sup>	Uses, restrictions and precautions	No.
methomyl (e.g. Lannate)	17	I	For use in agronomic practice only.	0115
metsulfuron methyl (e.g. Ally)	>5000	H	For use in graminaceous crops.	0214
mirex (perchlordecone, dechlorane)	230	I	For control of leaf-cutting ants by localized application in anti-bait formulations only. Environmentally hazardous; alternatives being sought.	0116
* monocrotophos (e.g. Nuvacron, Azodrin)	8	AI	For agronomic crops and commercial ornamentals only.	0117
monosodium methanearsonate (e.g. MSMA)	700	H	For use only in cotton. Wear long sleeves, trousers, impermeable gloves and boots when handling or applying.	0229
omethoate (e.g. Folimat)	50	AI	For agricultural use only where dimethoate EC not applicable.	0118
oxamyl (e.g. Vydate)	5.4	AIN	For use in agronomic crops and commercial ornamentals only.	0119
oxydemeton-dimethyl (e.g. Metasystox R)	65	AI	For use in agronomic crops only.	0198
paraquat (e.g. Gramazone, Proquat)	37	H	No antidote available. Restricted to ground application for weed control; other uses must first be approved by Pesticides Control Board.	0120
* parathion-methyl (e.g. Folidol M)	6	AI	For use in approved agronomic practices only.	0121
pentachlorophenol (PCP)	50	FIH	For wood preservation purposes only by approved and certified establishments and personnel.	0122
picroam (e.g. Tordon)	3750	H	Restricted to bush control in non-crop areas except pasture.	0123
propoxur except in approved products containing less than 2% a.i. (e.g. Baygon, Uden)	83	I	For certified applicators using strong formulations for household use.	0068

<b>Pesticide</b>	<b>LD %</b>	<b>Uses<sup>1</sup></b>	<b>Uses, restrictions and precautions</b>	<b>No.</b>
quizalofop-ethyl (e.g. Assure)	1670	H	For weed control in broad leaf crops.	0214
* resmethrin except in approved products containing less than 2% a.i. (e.g. Ultrakill)	>2500	I	For Public Health use only.	0215
strychnine	1	R	For use by Public Health Officials for approved purposes.	0125
sulfometuron methyl (e.g. Oust)	>5000	H	For non-crop use, i.e., for use on roadsides, industrial etc.	0220
thidiazuron (e.g. Dropp)	>4000	H	For use as a defoliator only in cotton. Use face mask or goggles, dust respirator, rubber gloves.	0227
thiodicarb (e.g. Larvin)	66	I	For use only in cotton.	0225
tribuphos (e.g. Folex)	1272	H	For use as defoliator only in cotton. Use hat, long sleeved shirt, trousers for applying. Rubber or neoprene gloves for mixers and loaders.	0226
vamidothion (e.g. Kilval)	64	AI	For use in agricultural crops only.	0126
zineb (e.g. Dithane Z-78)	>5200	F	Breakdown product harmful; toxic to fish; for use only as directed.	0127

<sup>1</sup> A=acaricide, F=fungicide, H=herbicide, I=insecticide, K=bait, M=molluscicide, N=nematicide, R=rodenticide, V=avicide, Z=bactericide.

**CHAPTER 216**

**REGISTERED AND RESTRICTED PESTICIDES  
(MANUFACTURE, IMPORTS AND SALE) REGULATIONS**

**ARRANGEMENT OF REGULATIONS**

1. Short title.
2. Interpretation.
3. Licence to sell, manufacture or import a registered pesticide.
4. Fees for sale, manufacture or import of a pesticide.
5. Authorisation to sell restricted pesticide.
6. Procedure for dealing with application.
7. Appeal.
8. Publication of a copy of Registers kept under section 10(1) of the Act.
9. Penalty.
10. Storage.
11. Repeal.
12. Particulars to be entered in the Registers.
13. Certification of imports.

**SCHEDULE**

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**CHAPTER 216**

**REGISTERED AND RESTRICTED PESTICIDES**  
**(MANUFACTURE, IMPORT AND SALE) REGULATIONS**  
*(Section 15)*

8 of 1989.  
77 of 1995.  
30 of 1996.  
Ch. 181B.

*[14th January, 1989]*

Short title.

1. These Regulations may be cited as the

**REGISTERED AND RESTRICTED PESTICIDES**  
**(MANUFACTURE, IMPORT AND SALE) REGULATIONS.**

Interpretation.

2. In these Regulations, unless the context otherwise requires-

CAP. 216.

“Board” means the Pesticides Control Board established under section 3 of the Pesticides Control Act;

“Form” means the Form annexed to these Regulations;

30 of 1996.

“import licence” means a licence for the importation of pesticides;

“Registrar” means the Registrar of the Board.

Words and expressions used in these Regulations and not defined but defined in the Pesticides Control Act, shall have the meanings respectively assigned to them in that Act.

Licence to sell, manufacture or import a registered pesticide.

3. Any person wishing to sell a registered pesticide, or manufacture or import any pesticide, shall send an application to the Registrar in Form 1.

Fees for sale, manufacture or import of a pesticide.

4. (1) The following fees shall be payable for manufacture or import of registered or restricted pesticides, or for sale of registered pesticides, or for

authorisation to sell restricted pesticides:

- (a) Sales of registered pesticides approved by the Board for domestic use (containing less than two per cent. active ingredient) .....\$25 per annum
- (b) Sale of other registered pesticides or authorisation to sell restricted pesticides .....\$100 per annum
- (c) Manufacture of pesticides .....\$250 per annum
- (d) importation of pesticides – 30 of 1996.
  - I. Value of imports less than \$1000.00 .....\$25.00
  - II. Value of imports \$1001.00-\$2500.00 .....\$50.00
  - III. Value of imports \$2501.00-\$4000.00 .....\$75.00
  - IV. Value of imports \$4001.00-\$5000.00 .....\$100.00
  - V. Value of imports of \$5001.00 or more .....2% CIF value.

(2) A licence issued under these Regulations shall not be of less than one year’s duration.

5. Any person wishing to sell restricted pesticides shall send an application to the Secretary in Form I for authorisation to sell the same.

Authorisation to sell restricted pesticide.

6. Every application received under Regulations 3 and 5 shall be placed by the Registrar before the Board and after making such enquiry as it thinks fit, may grant a licence in Form II:

Procedure for dealing with application.

Provided that if the Board refuses to grant the licence, it shall convey to the applicant reasons for such refusal and shall also refund to the applicant the fee paid by him.

- Appeal. 7. Any person aggrieved by the decision of the Board may appeal to the Minister within thirty days of the receipt of the communication, referred to in the proviso to regulation 6, and the decision of the Minister shall be final.
- Publication of a copy of Registers kept under section 10 (1) of the Act. 8. The Registrar shall cause to be published in the *Gazette* in the month of February each year a copy of each Register kept by him pursuant to section 10 (1) of the Pesticides Control Act.
- Penalty. 9. Every person who knowingly contravenes the provisions of these Regulations shall be guilty of an offence and shall be liable on summary conviction to a fine not exceeding \$1,000 or to imprisonment for a term not exceeding twelve months or to both such fine and imprisonment.
- Storage. 10. (1) Pesticides other than those approved by the Board for domestic use (containing less than two per cent. active ingredient) shall not be stored in or sold from the same premises as food for human consumption by any licensee.
- (2) Every licensee shall keep pesticides approved for domestic use separate from food storage and display areas.
- 77 of 1995. 11. [Repealed by S.I. 77 of 1995.]
- Particulars to be entered in the Registers. 12. The particulars to be entered in the Registers maintained by the Registrar under section 10 (1) of the Pesticides Control Act shall be as given in Forms III, IV and V.
- Certification of imports. 13. A person wishing to import a consignment of pesticides shall present to the Customs Officer a certificate in Form VI signed by any person authorised in that behalf by the Board, stating that the pesticides listed in the Customs

Entry Form are permitted or prohibited under the Pesticides Control Act, and that the importer has a valid licence to import the permitted pesticides.

30 of 1996.

**SCHEDULE**

**Form I**

**[Regulations 3 and 5]**

**Application for licence to Handle Pesticides**

To: Registrar, Pesticides Control Board  
Central Farm, Cayo, Belize, C. America.

Name of importer/manufacturer/seller:\* .....

Business Address: .....

Nature of facilities:\* .....  
(for importation or manufacture)

Nature of Business:\* .....  
(for sale of restricted pesticides)

Facilities for storage and display:\* .....  
(for sale of restricted pesticides)

State pesticides and amount to be imported: .....

State total value of pesticides imported: .....

Fee (s) included: IMPORTATION\* -

Value of imports less than \$1000 .....	\$25
Value of imports \$1001 - \$2500 .....	\$50
Value of imports \$2501 - \$4000 .....	\$75
Value of imports \$4001 - \$5000 .....	\$100



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Value of imports more than \$5000 .....2% CIF Value

\*Manufacture .....\$250

\*Sale

-Domestic use only .....\$25

-Other pesticides .....\$100

**TOTAL**

Date of Application: ..... Signature of Applicant: .....

\*Delete as appropriate

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For Board use only.

30 of 1996.

**Form II**

**[Regulation 6]**

**Pesticides Control Board  
Belize, CA.**

Licence Number: \_\_\_\_\_ Date: \_\_\_\_\_

This is to certify that \_\_\_\_\_

of \_\_\_\_\_

is licensed, to \*import/manufacture/sell \*registered/restricted pesticides and has paid the appropriate fee(s).

Valid for importation of one shipment only

Valid from \_\_\_\_\_ to \_\_\_\_\_

\_\_\_\_\_  
Registrar

\*Delete as appropriate

**Form III**

**[Regulation 12]**

**Register of Pesticides**

Accepted common name: .....

Alternative common name(s): .....

Chemical name (IUPAC): .....

Trade name(s) and formulations: .....

Uses: .....

Toxicity to mammals: .....

Other hazards: .....

Withholding period: .....

PCB Registration No: .....

**Form IV****[Regulation 12]****Register of Licences**

Name of licence holder	Business address	Nature of facilities or business	Date of expiry of licence

**Form V**

**[Regulation 12]**

**Register of Authorised Persons and Registered Premises**

Name of authorised person	Business address	Nature of business	Particulars of facilities for storage and display

**Form VI**

**[Regulation 12]**

Date: .....

CERTIFICATE NUMBER: .....

This is to certify that .....  
of ..... is a holder of  
a valid licence to import pesticides and that the following pesticides listed on Customs Entry  
Form dated ..... and corresponding to Bill of Lading (BOL) or Air  
Way Bill (AWB) No ..... are permitted or prohibited in Belize under the  
Pesticides Control Act.

*Permitted Pesticides:* .....

*Prohibited Pesticides:* .....

(Signed)

.....

(Position)

\_\_\_\_\_

**CHAPTER 216**

**REGISTERED AND RESTRICTED PESTICIDES  
(REGISTRATION) REGULATIONS**

**ARRANGEMENT OF REGULATIONS**

1. Short title.
2. Interpretation.
3. Application for registration.
4. Name on Registration.
5. Data to accompany the application.
6. Experimental samples.
7. Registration fees.
8. Duration of licences.
9. Granting of licences.
10. Provisional registration.
11. Cancellation of registration.
12. Appeals.
13. Penalties.
14. Repeal.
15. Commencement.

**SCHEDULE I**

**SCHEDULE II**

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**CHAPTER 216**

77 of 1995.  
Ch. 181B.

**REGISTERED AND RESTRICTED PESTICIDES**  
**(REGISTRATION) REGULATIONS**  
*(Section 15)*

*[8<sup>th</sup> July, 1995.]*

Short title.            1.        These Regulations may be cited as the

**REGISTERED AND RESTRICTED PESTICIDES**  
**(REGISTRATION) REGULATIONS.**

- Interpretation.        2.        (1)        In these Regulations, unless the context otherwise requires-
- (a)        “the Act” means the Pesticides Control Act;
  - (b)        “active ingredient” means the biologically active part of the pesticide present in a formulation;
  - (c)        “certificate of registration” means a certificate showing that a pesticide has been duly registered in Belize;
  - (d)        “formulation” means the combination of various ingredients in a pesticide as purchased by users designed to render it useful and effective for the purpose claimed;
  - (e)        “label” means the written printed or graphic matter on, or attached to, the product;
  - (f)        “logo” means a device or trademark used by a manufacturer to designate a product or range of



products;

- (g) “pictogram” means a symbol which conveys a message such as a warning or advice on safe handling, without the use of words, and can be understood by people of different cultures and levels of literacy;
- (h) “product” means the pesticide in the form in which it is packaged and sold;
- (i) “synergist” is an ingredient that improves the performance of an active ingredient but is in itself not a pesticide;
- (j) “trade name” means the name under which the pesticide is registered, packaged and sold by the manufacturer and which can be used exclusively by the manufacturer to distinguish the product from other pesticides containing the same active ingredient;
- (k) “form” means the form(s) annexed to these regulations.

(2) Words and expressions used in these Regulations and not defined herein but defined in the Act shall have the meanings respectively assigned to them in that Act. CAP. 216.

3. Any person wishing to register, reregister or renew the registration of a pesticide, shall send an application to the Registrar in Form I annexed to these Regulations, together with the fees specified in Regulation 7. Application for registration. Form I.

4. A pesticide shall be registered according to the trade name and Name on registration.

formulation of each product.

Data to accompany  
the application.  
Schedule I.

5. (1) The chemical, toxicological and environmental data that must accompany any application for registration are given in Schedule I to these Regulations.

Schedule II.

(2) Any person wishing to register any pesticide must submit details of the labels of packaging according to requirements set out in Schedule II, including seven copies of the proposed label, for approval by the Board.

Experimental  
samples.

6. (1) A person wishing to import pesticides not registered in the Register of Pesticides for use as experimental samples shall apply for written authorization from the Board, giving details of the pesticide, purpose of the experiment, institution or company by which the experiment will be carried out, experimental protocol, quantity of pesticide to be imported, nature and location of the facilities to be used, and paying the appropriate fees specified in Regulation 7.

(2) Experiments using experimental samples shall be monitored by technicians from the Board. All costs, involving transportation, boarding and lodging incurred by the technicians, will be paid by the person or company in charge of the experiment.

Registration fees.

7. The following fee(s) shall be payable for registration of a pesticide:-

- (a) Registration of a pesticide the active ingredient of which is not in the Register of Pesticides .....\$500.00
- (b) Re-registration of a pesticide already in the Register of Pesticides .....\$300.00
- (c) Yearly renewal of Registration Certificate .....\$100.00

(d) Importation of experimental samples  
.....\$100.00

8. A Certificate of Registration issued under these regulations shall not be of more than five years' duration. Duration of licence.

9. (1) Every application received under Regulation 3 shall be placed by the Registrar before the Board and the Board may, after making such enquiry as it deems fit, register the pesticide and grant a Licence in Form II, either as a Registered Pesticide or as a Restricted Pesticide, in accordance with the Act. Granting of licences. Form II.

(2) The Board reserves the right to require the applicant to furnish additional information before making a decision.

10. Where the Board is not fully satisfied that a pesticide should be registered, it may grant provisional registration for use subject to such conditions as may be laid down by the Board, for a period not exceeding one year, after which the pesticide shall either be registered as a Registered or Restricted Pesticide, or provisional registration may be withdrawn by the Board. Provisional registration.

11. If, after a pesticide has been registered, it comes to the knowledge of the Board that the registration was procured by false or misleading information or the concealment of material facts, the Board may cancel the registration with immediate effect. Cancellation of registration.

12. Any person aggrieved by a decision of the Board may appeal to the Minister within 30 days of the receipt of the decision, and the Minister's determination thereon shall be final. Appeals.

13. Any person who knowingly contravenes the provisions of these Regulations shall be guilty of an offence and shall be liable on summary conviction to a fine not exceeding one thousand dollars or to imprisonment for a term not exceeding twelve months or to both such fine and imprisonment. Penalties.

Repeal. 14. Regulation 11 of the Registered and Restricted Pesticides (Manufacture, Import and Sale) Regulations is hereby repealed.

Commencement. 15. (1) These Regulations shall come into effect on the 1<sup>st</sup> of August, 1995.

(2) On the date of commencement of these Regulations, the Minister shall publish Schedules of Registered and Restricted Pesticides as well as of pesticides which are prohibited under the Act.

**MADE** by the Minister of Agriculture and Fisheries, this 3<sup>rd</sup> day of July, 1995.

**(RUSSEL GARCIA)**

*Minister of Agriculture and Fisheries*

**SCHEDULE I**

**[Regulation 5(1)]**

**PESTICIDES CONTROL BOARD  
Basic Data Required for Registration of Pesticides**

**1. Technical data:**

- 1.1 Common & Chemical Name (IUPAC)
- 1.2 Structural formula
- 1.3 Molecular weight
- 1.4 Physical state, colour and odor
- 1.5 Boiling and melting points
- 1.6 Vapour pressure at temperatures between 20° and 25° C
- 1.7 Solubility in water and in organic solvents at temperatures between 20° and 25° C
- 1.8 Partition coefficient between water and a non-miscible solvent
- 1.9 Specific weight or density
- 1.10 Index of hydrolysis under normal conditions
- 1.11 Photolysis under normal conditions
- 1.12 Absorption spectrum (ultraviolet, visible, infrared)
- 1.13 Sample - 0.5 litres (liquids), 0.5 kg. (solids)
- 1.14 Active ingredient expressed in percentage and grams/kg. When there is more than one active ingredient, this information should be given for each
- 1.15 Analytical methods for the evaluation of the active ingredient and its residues in food, soil and water
- 1.16 Sample taking methodology and residue analysis of the product in the work place
- 1.17 Density (liquids), weight (solids)
- 1.18 Flammability and explosivity points
- 1.19 Guaranteed stability in storage (given in weeks)
- 1.20 pH
- 1.21 Corrosivity
- 1.22 Incompatibility with other agrochemicals, container specifications and application equipment

**2. Data for Technical Grade pesticide and for Formulated pesticides:**

- 2.1 Analytical standards
- 2.2 Identity and content of isomers, impurities and other by-products, expressed in percentages
- 2.3 Identity and percentage content of ingredients (inert, solvents, emulsifiers, etc.)
- 2.4 Type of formulation
- 2.5 Maximum Residue Limit in crops/animals for which registration is sought
- 2.6 Moisture content (dusts & granules)
- 2.7 Suspension percentage (W.P., E.C., F.C.)
- 2.8 Frothing percentage (in formulations to be mixed in water)
- 2.9 Dry granular analysis
- 2.10 Wet granular analysis
- 2.11 Stability of the emulsion and properties of dispersion (E. C.)
- 2.12 Summary data on biological efficacy

**3. Toxicological information**

- 3.1 Acute and subchronic toxicities - oral, dermal and respiratory
- 3.2 Irritation to skin and eyes
- 3.3 Sensitivity effects
- 3.4 Chronic toxicity, with results of studies on reproduction, teratogenicity
- 3.5 Toxic effects of metabolites, degradation by-products and impurities
- 3.6 Metabolic studies in animals
- 3.7 Toxicological information of formulations
- 3.8 Safety precaution in handling and use
- 3.9 Signs and symptoms of poisoning
- 3.10 First aid measures
- 3.11 Medical treatment for poisonings
- 3.12 Phytotoxicity
- 3.13 Re-entry period to treated areas

**4. Ecological information**

- 4.1 Persistence and alterations of the product in soil, water and air
- 4.2 Effects in terrestrial flora and fauna
- 4.3 Effects in aquatic flora and fauna
- 4.4 Natural process of the pesticide's degradation
- 4.5 Data on toxicity to beneficial insects
- 4.6 Data on mobility of the pesticide in the ecosystem (environmental fate)
- 4.7 Disposal measures for the pesticide and empty pesticide containers
- 4.8 Emergency plan and methods of decontamination in, case of- spills, fire or explosion.

**SCHEDULE II****[Regulation 5(2)]****PESTICIDES CONTROL BOARD, BELIZE****REQUIREMENTS FOR LABELLING OF PACKAGES**

1. Label text must be in English with a flyer in Spanish if appropriate to the users. Pictograms and warning symbols should be used to emphasize precautions. Text shall be in a clear type face of size not less than 6 point.
2. A label should be durable under practical conditions of use and handling, and should withstand the contents of the container and other substances with which it is expected to come into contact. A label must not be misleading as regards statements of safety in handling.
3. A label must include in a clear manner the following information:
  - 3.1 Trade or commercial name of the product.
  - 3.2 Product composition giving ingredients in decreasing order and in the following form:
    - 3.2.a chemical name
    - 3.2.b generic name
    - 3.2.c Percentage in weight of each active ingredient, with its concentration in g/L or g/Kg or its equivalent (located below and adjacent to the formula).
    - 3.2.d Percentage inert ingredients and/or additives (including organic solvents), expressed in g/L or g/Kg or its equivalent (located below



and adjacent to the formula.

- 3.3 Classification and type of pesticide (insecticide, fungicide, herbicide, etc.).
- 3.4 Name, address, and establishment number of the manufacturer, formulator or repackager.
- 3.5 Directions or conditions of use as approved by the Pesticides Control Board, specifying the following:
  - 3.5.a pest or disease to be controlled.
  - 3.5.b crop(s) on which product is to be used.
  - 3.5.c mode of action, dosage rates, preharvest interval, withholding period, method of application, season or frequency of application.
  - 3.5.d incompatibility with other pesticides.
  - 3.5.e method(s) of empty container disposal and cleanup procedures for spills.
- 3.6 Warning and cautionary statements in relation to the toxicity of the active ingredient(s) including:
  - 3.6.a hazard to humans and domestic animals.
  - 3.6.b hazard to wildlife and the environment.
  - 3.6.c basic signs and symptoms of poisoning.
  - 3.6.d appropriate safety precautions (protective equipment).
  - 3.6.e First-aid measures (as appropriate for unskilled persons and paramedics).

- 3.6.f antidotes and basic indications for medical treatment.
- 3.6.g precaution measures for the protection of the environment.
- 3.7 Instructions for appropriate storage and transportation of the pesticide. A visible label stating the following: ***“keep out of the reach of children, domestic animals and food. Destroy containers after using the products”***. Directions for protective gear to use and precautions to take when using the pesticide.
- 3.8 A sign saying: ***Stop! read the label before using the pesticide.***
- 3.9 Registration number, date of formulation, batch or lot number for locally repackaged or formulated product.
- 3.10 Net contents of the package or container in metric units or equivalent.
- 4. If any metals (Manganese, Iron, Tin, Zinc) are present in the formulation the percentage of each should be included.
- 5. The following statement in block capital letters: **“IN CASE OF PESTICIDE POISONING TAKE PATIENT TO A HOSPITAL AND GIVE THE DOCTOR THE LABEL”**.
- 6. Physical and chemical dangers presented by the pesticide and steps that need to be taken when using it, e.g. flammability and corrosivity. Pictograms may be used.
- 7. The labels shall be white with black lettering. No other color should be present except those identifying the color band, trademark and logo.
- 8. Any label approved by the Pesticides Control Board will expire at the same time that the registration for the product expires.
- 9. The labels must not bear markings such as: “not poisonous” or “harmless pesticide” which may be misleading to the user.

10. The color, paper, and glue used in making the label will be of a quality that is resistant to the effects of the atmosphere and handling under conditions adequate for its storage and transport.
11. The labelling of pesticides shall be guided on the basis of the WHO Toxicological Classification except in select cases where other factors override the acute toxicity of the pesticide. Labels must bear warning symbols, statements, and color band according to the category of the pesticide as follows:

**TOXICOLOGICAL CLASSIFICATION  
TABLE I**

Category	LD <sub>50</sub> rats mg/kg by weight			
	ORAL		DERMAL	
	Solids	Liquids	Solids	Liquids
1 Extremely Toxic	≤ 5	≤ 20	≤ 10	≤ 40
2 Extremely Toxic	> 5 ≤ 50	> 20 ≤ 200	> 10 ≤ 100	> 40 ≤ 400
3 Moderately Toxic	> 50 ≤ 500	> 200 ≤ 2000	> 100 ≤ 1000	> 400 ≤ 4000
4 Slightly Toxic	> 500	> 2000	> 1000	> 4000

**Category 1** pesticides must visibly bear the words **DANGER POISON** with *a skull and crossbones* in black. The full length of the base of the label must bear a band of intense *red*, with the name of the category printed over it.

**Category 2** pesticides must visibly bear the words **WARNING POISON** with the *skull and crossbones* in black. The full length of the base of the label must bear a band of intense *yellow*, with the name of the category printed over it.

**Category 3** pesticides must visibly bear the words **WARNING** in black. The full length of the base of the label must bear a band of intense *blue*, with the name of the category printed over it.

**Category 4** pesticides must visibly bear the word **CAUTION** in black. The full length of the base of the label must bear a band of intense *green*, with the name of the category printed over it.

12. Dimensions of the color band: The color band, situated at the bottom and running horizontally along the label will be 15 % of the label in height. In certain cases it will be allowed for instructions to be written in this band. However this should not interfere or distort the impression of the category corresponding to the color band.
13. Labels should be designed according to the following specifications:
  - 13.1 The size must be approved by the Pesticides Control Board.
  - 13.2 Size of the skull and crossbones: This depiction should not occupy less than 2% of the total area of the label and in all cases will be black in color.
  - 13.3 Size and characteristic of Logo: This will have a maximum size of 2 % of the total label area. This can be of any color to facilitate its identification.
  - 13.4 Companies that manufacture, import, or distribute pesticide formulations, technical products, or coadjuvants, who have distinctive trademarks, may print them on the upper portion of the label. Such trademark colors should not lead to confusion with the color

band identifying the toxicological classification of the pesticide.

14. Labels for restricted pesticides should have the marking: “Restricted use pesticide. For sale to licensed applicators only”.
15. For containers less than 1/2 litre or 1/2 kilogram, an additional label should be included that will contain all data found on larger containers. This label will have the name of the product, directions for use, first aid and medical treatment, along with the color band of the toxicological classification.
16. On applying for registration of a pesticide the type, size, and material of the containers that will be used in the sale of the product should be indicated in the application with a guarantee that the container is resistant to the physical and chemical action of the product.

**Form I**

**[Regulation 3]**

TO: Registrar, Pesticides Control Board  
Central Farm, Cayo, Belize, Central America

**Application to Register a Pesticide**

Name of Applicant: .....

Address: .....

Telephone No.: .....

Name of Local representative: .....

Address: .....

Telephone No.: .....

Common Name of product: .....

Trade Name of product: .....

Formulation: .....

Chemical composition (composition active ingredient(s) and synergist(s) by weight: .....

.....

LD<sub>50</sub>: .....

WHO Classification: .....

Intended use: .....

Action: .....

Chemical Family: .....

***(Other chemical, toxicological and environmental data as required by section (4) must be supplied according to Schedule I of the regulations.)***

Details of registration in:

- (a) country of manufacture: .....
- (b) other countries: .....

Has registration ever been refused elsewhere? If so, give details: .....  
.....

Fee (s) included:

- \* Registration .....\$500.00
- \* Re-registration .....\$300.00
- \* Renewal of Certificate .....\$100.00

\* delete as appropriate

Date of Application: .....  
.....  
*Signature of Applicant*

<b>For Official Use Only</b>	
PCB #: Reg. Status: Fee(s) Paid: Application complete:	Other remarks

**Form II**  
**[Regulation (9)]**

**PESTICIDES CONTROL BOARD**  
**Central Farm, Cayo, Belize, C. America**  
**Certificate of Registration of Pesticide.**

Applicant _____	COMMERCIAL NAME OF PRODUCT
Address _____	_____
_____	Registration No. _____
_____	Expiry Date _____

Having complied with the regulations of the Pesticides Control Board, as set out in Sections 7, 8 and 11 of the REGISTERED AND RESTRICTED PESTICIDES (REGISTRATION) REGULATIONS, the above applicant is hereby granted registration of the product known commercially as \_\_\_\_\_, such registration to expire \_\_\_\_\_ years from the date of registration.

<b>PRODUCT CHARACTERISTICS</b>		
Type of Pesticide:	Formulation:	
<b>PRODUCT COMPOSITION</b>		
Name and formulation of active ingredients (a.i.)	% WT	Equivalent in grams a.i.
Synergist(s)		
Inert ingredients to 100%		
Total %	100.00	



REGISTRATION STATUS:		
Registered pesticide	Restricted pesticide	Provisional
Delete as appropriate		
AUTHORIZED FOR USE AS:		

Signed this ____ day of _____, 2 ____.	_____
at Central Farm, Cayo, Belize.	Registrar, Pesticides Control Board

\_\_\_\_\_

**CHAPTER 216**

**RESTRICTED PESTICIDES  
(CERTIFIED USER) REGULATIONS**

**ARRANGEMENT OF REGULATIONS**

1. Short title.
2. Interpretation.
3. Applications for licences.
4. Licences.
5. Board to inform applicant in cases of refusal.
6. Fees.
7. Appeals.
8. Register of Certified Users.
9. Offences and Penalties.
10. Commencement.

**SCHEDULE I**

**SCHEDULE II**

**SCHEDULE III**

**SCHEDULE IV**

**SCHEDULE V**

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**CHAPTER 216**

**RESTRICTED PESTICIDES**  
**(CERTIFIED USER) REGULATIONS**

*(Section 15)*

112 of 1996.  
Ch. 181B.

*[17<sup>th</sup> August, 1996.]*

1. These Regulations may be cited as the Short title.

**RESTRICTED PESTICIDES**  
**(CERTIFIED USER) REGULATIONS.**

2. In these Regulations, unless the context otherwise requires:- Interpretation.

(a) “Act” means the Pesticides Control Act; CAP. 216.

(b) “Board” means the Pesticides Control Board established under section 3 of the Act;

(c) “certified user” or “pesticide applicator”, in relation to a restricted pesticide, means:

- (i) a person engaged in the use of restricted pesticides as a trade or profession who applies to the Board for a licence to use such pesticides and satisfies the requirements of Schedule III hereto; as read in relation to the nature of his use of such pesticides as determined from Schedule I hereto; or Schedule III.  
Schedule I.

(ii) a person using, or directly supervising the use of, pesticides in the course of his

- Schedule IV. regular employment, who satisfies the requirements set out in Schedule IV hereto, and applies to the Board for a licence to use such pesticides;
- (d) “certified user’s licence” means a licence issued by the Board under Regulation 4 hereunder.
- Applications for licences.  
Schedule I. 3. (1) A person desirous of becoming a certified user shall apply to the Board for a licence, on the Form prescribed in Schedule I hereto.
- (2) The person making the application under subregulation (1) above, shall send the application to the Board, together with the fee specified in Regulation 6, below.
- Schedule I. (3) The Form prescribed in Schedule I hereto shall be used for initial applications for a licence, or for applications for the renewal of a licence.
- Licences.  
Schedule II. 4. (1) The Board may issue a certified user’s licence, on the Form specified in Schedule II hereto, to a person who applies under Regulation 3 above, and may attach such terms and conditions to the licence as it deems fit and proper.
- (2) Every licence issued by the Board under subregulation (1) above shall be for a period of five years, and shall be renewable thereafter for like duration upon application to the Board on the prescribed Form:
- Provided that the Board may cancel a licence before the expiration of five years if the certified user is in breach of any of the terms and/or conditions attached thereto, or if the licence was obtained by false pretences, deception or misleading information.
- Board to inform applicant in cases of refusal. 5. Where the Board refuses to issue a certified user’s licence to any person, the Board shall inform that person, in writing, of its reasons for such

refusal.

Provided that the Board shall only refuse to issue a licence if the person does not meet any or all of the requirements specified in Schedule III or Schedule IV hereto.

Schedule III.  
Schedule IV.

6. A person applying for a certified user's licence shall pay the following fees when submitting his application to the Board:-

Fees.

(a) initial application for a certified user's licence  
\$5.00

(b) application for renewal of a certified user's licence  
\$5.00

7. A person whose application for a certified user's licence has been refused by the Board and who is aggrieved by the Board's decision shall appeal against the Board's decision to the Minister within 30 days of his receipt of such decision, and the Minister's decision thereon shall be final.

Appeals.

8. The Board shall keep a Register of Certified Users which shall be in the form specified in Schedule IV hereto.

Register of  
Certified Users.  
Schedule IV.

9. A person who contravenes the provisions of these Regulations commits an offence and shall be liable on summary conviction to a fine not exceeding one thousand dollars or to imprisonment for a term not exceeding twelve months or to both such fine and imprisonment.

Offences and  
penalties.

10. These Regulations shall come into force on the 15<sup>th</sup> day of August, 1996.

Commencement.

**MADE** by the Minister of Agriculture and Fisheries this 5<sup>th</sup> day of August, 1996.

**(RUSSELL GARCIA)**

*Minister of Agriculture & Fisheries*

**SCHEDULE I**

**[Regulations 2 and 3]**

To: Pesticides Control Board  
Central Farm, Cayo  
Tel: 824-2131

**APPLICATON FOR A CERTIFIED USER’S LICENCE**

**Assistance will be given to persons who cannot read this form.  
If you are in doubt about the answers to any of the questions below, please first ask  
a member of the Board’s staff for advice.**

Name of Applicant: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Phone/Fax: \_\_\_\_\_

Name of Company (if applicable): \_\_\_\_\_

Are you engaged in pesticide use as a TRADE  PROFESSION

FOR TRADE APPLICANTS ONLY:

Type of pesticide use: (tick one or more categories applicable):

Crops and other vegetation	livestock	Food and grain storage	non-agricultural buildings
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other (please specify) \_\_\_\_\_

Method(s) of Application: \_\_\_\_\_

**Conditions for Licensing as Certified Pesticide User**

1. Always following directions and precaution on label
2. Observing safe practices for use, storage, and disposal of pesticides.

**A breach of these conditions is grounds for withdrawal of authorization.**

<b>FOR OFFICIAL USE ONLY</b>		
Training provided by the Board before submitting for authorization  <input type="checkbox"/>	Training not required before submitting for authorization  <input type="checkbox"/>	Renewal of authorization  <input type="checkbox"/>
Date received: _____ Date for training: _____ Licence No.: _____	Correct fee included: _____ Date for testing: _____ Date of Authorization: _____	



**SCHEDULE II****[Regulation 4]****LICENCE FOR CERTIFIED PESTICIDE USER****Front**

<b>Certified Pesticide User's Licence</b>	
	ISSUED                      EXPIRES
	DISTRICT                      TOWN/VILLAGE
	TYPE
	NAME
_____	_____
<i>PCB Secretary</i>	<i>Applicator</i>

**Back****Section 9 of the Pesticide Control Act**

No applicator shall use a restricted pesticide unless he is authorised by the Board to use such pesticide or is an employee or agent working under the direct supervision of an authorised person.

\* This licence is not transferable.

\* This licence must be presented when buying a restricted use pesticide (RUP).

No.96

**SCHEDULE III****[Regulations 2 & 5]****REQUIREMENTS TO BE SATISFIED FOR LICENSING AS A USER OF  
RESTRICTED PESTICIDES.**

To obtain authorization from the Board, the applicant shall satisfy the Board that he can:-

- (a) read and understand the label of the type specified in the Registered and Restricted Pesticides (Registration) Regulation, 1995, following dosage, application and precautionary direction therein.
- (b) Understand general principles of safe and effective pesticide use, storage and disposal;
- (c) safely and adequately prepare the mixture to be applied;
- (d) calibrate and maintain knapsack sprayer;
- (e) calibrate and maintain other specialized application equipment to requirements;
- (f) choose and use the specific (**appropriate**) pesticide(s) required for his business;
- (g) understand responsibilities towards clients, employees and the public.

**SCHEDULE IV**

**[Regulations 2 & 5]**

**REQUIREMENTS TO BE SATISFIED FOR LICENSING AS A USER OF  
RESTRICTED PESTICIDES.**

To obtain authorization from the Board, the applicator shall satisfy the Board that he can:-

- (a) extract information from the label to follow dosage, application and precautionary directions;
- (b) understand general principles of safe and effective pesticide use, storage and disposal;
- (c) differentiate pesticides according to use and hazard;
- (d) accurately and safely prepare the mixture to be applied;
- (e) calibrate and maintain knapsack sprayer;
- (f) understand responsibilities towards fellow workers and the public.

**SCHEDULE V****[Regulation 8]****PESTICIDES CONTROL BOARD  
Central Farm, Cayo, Belize****REGISTER OF CERTIFIED PESTICIDES USERS**

Licence No: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Type of user [Trade/Employment]: \_\_\_\_\_

For Trade Users purpose(s) of restricted pesticide use:

crops/  
vegetation livestock food/grain  
storage non-agricultural  
buildings 

Other (specify) \_\_\_\_\_

Date of authorization:

Date of expiry: