



BELIZE

**PESTICIDES CONTROL ACT
CHAPTER 216**

REVISED EDITION 2000
SHOWING THE LAW AS AT 31ST DECEMBER, 2000

This is a revised edition of the law, prepared by the Law Revision Commissioner under the authority of the Law Revision Act, Chapter 3 of the Laws of Belize, Revised Edition 1980 - 1990.

| This edition contains a consolidation of the following laws- | Page |
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| ARRANGEMENT OF SECTIONS | 3 |
| PESTICIDES CONTROL ACT | 5 |
| Amendments in force as at 31st December, 2000. | |



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CHAPTER 216

PESTICIDES CONTROL

ARRANGEMENT OF SECTIONS

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CHAPTER 216
PESTICIDES CONTROL

[31st December, 1988 - all sections except
for sections 9 and 14, which commenced-
21st November, 2000]

CAP. 181B,
R.E., 1980-1990.
32 of 1985.
18 of 1988.
16 of 1988.
35 of 1988.
72 of 1988.
95 of 1988.
76 of 1990.
100 of 1995.
Commencement.
S.I. 18 of 1988.
Short title.

1. This Act may be cited as the Pesticides Control Act.

2. In this Act, unless the context otherwise requires-

Interpretation.

“advertisement” means any representation by any means whatsoever for the purpose of promoting directly or indirectly the sale or other distribution of any pesticides;

“agriculture” means the production and storage of any produce for consumption or any other purpose and includes the use of land for grazing, forestry and woodland, fish culture, bee culture, market gardening, horticulture and nurseries or animal husbandry;

“approved analyst” means the government analyst or any other analyst approved by the Minister;

“article” or “article to which the Act and regulations apply” means-

- (a) a pesticide or any produce to which a pesticide is believed to have been applied; or
- (b) anything used for the manufacture, packaging, storage, application or use of a pesticide; or

- (c) any labelling, packaging or advertising material which relates to a pesticide;

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

“container” means anything in which a pesticide is wholly or partly contained or packed;

“extermination” means the use of pesticides for the destruction or control of pests on any land or premises or in a vehicle, ship or aircraft whether on land or any other place;

“label” means any legend, word or mark attached to, included in, belonging to or accompanying a container;

“manufacture” means the formulation, compounding or synthesizing of a pesticide;

“Minister” means the Minister responsible for agriculture;

“owner” means the owner of an article, his servant or agent, the person in whose possession an article is found, the owner of a vehicle or land or premises in which or on which an article is found, or the employer of a worker;

“packaging” means the activity of putting pesticides in containers for sale or distribution;

“pest” means any insect, rodent, bird, fish, mollusc, nematode, fungus, weed, micro-organism, virus, ectoparasites of animals and any other kind of plant or animal life which is injurious, troublesome or undesirable to growing crops, produce, processed food, wood, clothes, fabrics or other inanimate objects;

“pesticide applicator” means a person who uses pesticides to carry out an extermination;

“pesticide” means a product intended to be used for controlling a pest;

“prescribed” means prescribed by regulations made under this Act;

“produce” means a crop grown for consumption or other use after it is severed from the land and includes anything ordinarily used or which may be used in the composition of food for human beings and domestic and farm animals, but does not include growing crops;

“prohibited pesticide” means any pesticide of which the possible effects on the environment, plants, animals or human beings are considered by the Minister to be too dangerous to justify its use;

“registered pesticide” means a pesticide declared as a registered pesticide and given in the Second Schedule to this Act, and intended for general use; Second Schedule.

“restricted pesticide” means any pesticide which, if used in accordance with a widespread and commonly recognized practice, may generally cause, without additional regulatory action, unreasonable adverse effects on the environment, including injury to the applicator;

“Secretary” means the Secretary of the Pesticides Control Board as constituted under section 3;

“worker” means a person employed in the use and handling of pesticides.

3. There shall be established a Board to be called the Pesticides Control Board and the constitution of the Board shall be as set out in the First Schedule to this Act. Establishment of Pesticides Control Board. First Schedule.

4.-(1) The functions of the Board shall be- Functions of the Board.

(a) to register pesticides;

- (b) to license persons to import or manufacture pesticides;
- (c) to authorise persons to sell restricted pesticides;
- (d) to register premises in which a restricted pesticide may be sold;
- (e) to authorise pesticide applicators to use restricted pesticides;
- (f) to classify any pesticide as a registered pesticide, restricted pesticide or a prohibited pesticide;
- (g) to consider and determine applications made pursuant to this Act and to deal with all aspects of the importation, manufacture, packaging, preparation for sale, sale, disposal and use of pesticides and to advise the Minister on all matters in relation thereto; and
- (h) to do such other things as may be expedient or necessary for the proper performance of its functions under this Act.

(2) Without prejudice to the generality of subsection (1) the Board may, at any time with the approval of the Minister, by order provide for the withdrawal from sale or use of any pesticide and for the disposal of any such pesticide.

Policy directions. 5. The Minister may, after consultation with the Chairman, give to the Board directions of a general character as to the policy to be followed in the performance of any of its functions, and the Board shall give effect to such directions.

Registered pesticides. 6.-(1) Any person may, subject to the provisions of this Act, manufacture, import, advertise or sell a pesticide which is declared to be a registered pesticide.

(2) A list of registered pesticides is given in the Second Schedule to this Act and this Schedule may be amended or replaced from time to time by order, by the Minister in consultation with the Board. Second Schedule.

(3) Any person wishing to sell a registered pesticide shall obtain from the Board a licence entitling him to sell registered pesticides and comply with such conditions as may be stipulated in the licence.

7. No person shall manufacture or import any pesticide unless he first obtains in the prescribed manner from the Board a licence to manufacture or import, as the case may require, that pesticide. Licensing of manufacturer or importer of pesticides.

8.-(1) No person shall sell a restricted pesticide unless- Restricted pesticides, authorisation to sell restricted pesticides and registration of premises.

- (a) he is authorised in the prescribed manner so to do;
- (b) the premises in which the sale is carried out have been registered in the prescribed manner for the purpose; and
- (c) the sale is carried out in accordance with such other requirements as may be prescribed.

(2) A list of restricted pesticides is given in the Third Schedule to this Act and this Schedule may be amended or replaced from time to time by order, by the Minister in consultation with the Board. Third Schedule.

9. 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: Authorisation of applicators.

Provided that the foregoing provision shall not apply to any occupier of a house using a restricted pesticide in his house for his own purpose or a farmer on his farm for his own purpose for non-commercial purposes.

Duties of the Secretary.

10.-(1) The Board shall cause the Secretary to keep in such form as it may from time to time determine -

- (a) a register to be known as the Register of Pesticides in which shall be entered the name and prescribed particulars of any pesticide registered under this Act;
- (b) a register to be known as the Register of Licences in which shall be entered the name and prescribed particulars of every person licensed under this Act to manufacture or import a registered pesticide;
- (c) a register to be known as the Register of Authorised Persons and Registered Premises in which shall be entered the name and prescribed particulars of every person licensed under this Act to manufacture or import a restricted pesticide and the prescribed particulars of the premises registered by that person for the purpose of such sale; and
- (d) a register to be known as the Register of Authorised Applicants in which shall be entered the name and prescribed particulars of any person licensed under this Act to handle restricted pesticides.

(2) The registers kept pursuant to subsection (1) shall be open to inspection by any member of the public at all reasonable times and a copy of each register shall be published in the *Gazette* at such times as may be prescribed.

(3) Every application for the registration of a pesticide, for a licence to manufacture or import a registered pesticide, for authorisation to sell a restricted pesticide, for registration of the premises in which such restricted pesticide may be sold or for authorisation to use restricted pesticides shall be made in the prescribed form and be accompanied by the relevant prescribed

fee, and, subject to provisions of this Act, the Board may grant any such application on such terms and conditions as it thinks fit, may refuse any such application, and may at any time after an application has been granted revoke any licence, certificate or authorisation issued pursuant to that application.

(4) The Secretary shall issue to every person whose application, made pursuant to this section, is granted, the appropriate licence or certificate of registration or authorisation, as the case may require, in the prescribed form.

11. It shall be the duty of the Secretary -

Correction of registers.

- (a) to remove from any of the registers mentioned in subsection (1) of section 10 any entry which the Board directs him in writing to remove;
- (b) to correct in accordance with the Board's directions any entry in any such register which the Board directs him in writing to correct as being in the opinion of the Board an entry which is incorrectly made; and
- (c) to make from time to time any necessary alterations in any prescribed particulars contained in any such registers.

12.-(1) If any person who has obtained any registration, licence or authorisation pursuant to this Act is found upon enquiry by the Board to have procured such registration, licence or authorisation as the case may be, as a result of any misleading, false or fraudulent representation, the Board may if it thinks fit either suspend that registration, licence or authorisation as the case may be, for a period not exceeding one year, or direct the Secretary to delete the relevant entry from the appropriate register.

Suspension and deletion of entry from registers.

(2) The Board may at any time if it thinks just direct any entry which has been deleted from a register pursuant to subsection (1) to be reinstated.

(3) The Board may, as soon as practicable after-

- (a) any registration, licence or authorisation has been suspended or deleted from a register; or
- (b) the reinstatement of any registration, licence or authorisation which was deleted from a register,

cause notice of the appropriate fact to be published in the *Gazette*.

(4) Whenever any registration, licence or authorisation is deleted from a register, the Board may in writing require the person to whom such registration, licence or authorisation had been granted to return to the Secretary the relevant certificate or licence, as the case may be, and such person shall comply with that requirement.

Prohibited pesticides.
18 of 1988.

13.-(1) Pesticides not registered as required in section 6 or listed under section 8 shall be prohibited pesticides and accordingly shall not be brought into or used in Belize:

Provided that the Board may allow a person who has in his possession or control any prohibited pesticide on the date of commencement of this section, or who had contracted to import any prohibited pesticide prior to such commencement, to dispose of such pesticide within a period not exceeding six months of such commencement in such manner as the Board shall direct.

Fourth Schedule.

(2) A list of prohibited pesticides is given in the Fourth Schedule to this Act and this Schedule may be amended or replaced from time to time by order, by the Minister in consultation with the Board.

Packaging.

14. No person shall package, label or advertise any pesticide in a manner that is false, misleading or deceptive, is likely to create an erroneous impression regarding its character, value, quantity, composition, merit or safety, or is

inconsistent with the information supplied to the Board at the time of the application for registration.

15.-(1) The Minister may, in consultation with the Board, make regulations- Regulations.

- (a) for the registration of pesticides;
- (b) respecting experimental samples of pesticides and matters relating thereto;
- (c) for the licensing of persons to import, manufacture or sell registered pesticides;
- (d) relating to restricted pesticides, the authorisation and the eligibility therefor of persons to sell restricted pesticides and the premises in which such pesticides may be sold;
- (e) relating to persons authorised to use restricted chemicals, their employees and any medical or other examination which they may be required to undergo;
- (f) as respects the labelling, packaging, storage, transportation and use of pesticides;
- (g) governing the aerial application of pesticides;
- (h) providing for the keeping of books and records by authorised persons, and by persons licensed under this Act to manufacture or import registered pesticides;
- (i) relating to the designation of inspectors and official analysts, and the taking and analysing of samples;

- (j) for matters relating to examination by registered medical practitioners of various persons having contact with pesticides;
- (k) prescribing that protective clothing be worn and other precautions be taken by persons handling or having contact with particular pesticides or classes thereof and imposing obligations on employers of such persons with respect thereto;
- (l) prescribing the permissible level of any pesticide or breakdown product thereof, at any specified time, in any kind of plant or animal product intended for consumption by human beings or domestic animals;
- (m) regulating the periods during which particular pesticides may or may not be used on certain agricultural crops;
- (n) respecting the disposal of pesticides and packages;
- (o) for the protection of persons who may suffer damage as a result of the use, storage, manufacture or packaging of pesticides by others;
- (p) exempting certain substances which may be used as pesticides from the provisions of this Act when being used otherwise than as pesticides;
- (q) prescribing fees and forms in respect of any registration, licence or authorisation under this Act; and
- (r) for giving further and better effect to the provisions of this Act and prescribing any other matter or thing whether similar to the foregoing or not, which may be or is required by this Act to be prescribed.

(2) Any regulation made under subsection (1) shall be subject to negative resolution of the National Assembly.

16. The Minister may from time to time designate any technically qualified person whether by name or by the title of his office to be an inspector or analyst for the purpose of this Act. Designation of officers.

17.-(1) An inspector may, in the performance of his functions under this Act or the regulations made thereunder, at any reasonable time enter on land or premises registered for the sale or manufacture of a pesticide- Powers of inspector.

- (a) on which a pesticide is being, has recently been, or is about to be used, manufactured, sold, packaged or stored;
- (b) on which apparatus and facilities required to be kept by the regulations are kept; or
- (c) which an inspector has reasonable cause to believe to be land or premises mentioned in paragraphs (a) and (b):

Provided that any inspector wishing to enter any premises under the provisions of paragraph (c) shall obtain a warrant from the magistrate or justice of the peace of the judicial district in which the place is situated before he enters such premises.

(2) An inspector may-

- (a) require the production of and inspect, examine and copy registers, records or other documents required to be kept by the regulations;
- (b) make examinations and enquiries to discover whether this Act and the regulations are complied with;

- (c) require any person he finds on land or premises mentioned in subsection (1) to give information to the best of his knowledge as to who is the occupier of that land and who is the employer of workers employed to work thereon;
- (d) seize and detain for such time as may be necessary any article by means of which or in relation to which he reasonably believes any provisions of this Act or the regulations have been contravened.

(3) Where an inspector seizes an article under paragraph (d) of subsection (2) and the owner then consents to its destruction the article shall thereupon be forfeited to the Government and may be destroyed or otherwise disposed of as the Board directs.

(4) An inspector may take samples of articles to which this Act and the regulations apply and submit such samples to an analyst for examination or analysis without paying compensation to the owner.

Certificate of inspection.

18.-(1) Where an inspector or analyst makes an examination or analysis pursuant to section 17, he may issue a certificate setting out the result of his examination or analysis as the case may be.

(2) The certificate of an inspector or analyst stating that he has examined or analysed an article or sample for the purpose of this Act and stating the result of his examination or analysis, as the case may be, shall be admissible in evidence in a prosecution under this Act and shall be *prima facie* proof of the statements contained in the certificate, but the party against whom it is produced may require the attendance of the inspector or analyst issuing the certificate for the purpose of cross-examining him.

Penalties.

19.-(1) Every person who knowingly-

- (a) contravenes any of the provisions of this Act, or any regulations made thereunder; or
- (b) with intent to deceive-
 - (i) forges or uses or lends to or allows to be used by another person any licence or certificate issued pursuant to this Act; or
 - (ii) makes or has in his possession any documents so closely resembling such licence or certificate as to be calculated to deceive; or
- (c) assaults or obstructs any inspector or other officer designated or appointed as the case may be under this Act, acting in the performance of his functions pursuant to this Act; or
- (d) without proper authority interferes with, or disposes of, any article seized or detained pursuant to paragraph (d) of subsection (2) of section 17; or
- (e) bribes or attempts to bribe any inspector or other officer designated or appointed as the case may be under this Act, in connection with any matter arising in the performance of any of his functions pursuant to this Act; or
- (f) being an inspector or other officer designated or appointed under this Act as the case may be, accepts or solicits any bribe in connection with any matter arising in the performance of any of his functions pursuant to this Act,

commits an offence and shall be liable on summary conviction before a magistrate 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.

- 18 of 1988. (2) A prosecution for any offence under subsection (1) shall be instituted by or on behalf of the Board.
- Appeals. 20. Any person aggrieved by any decision of the Board may appeal to the Minister against such decision within such time and in such manner as may be prescribed.

FIRST SCHEDULE

[Section 3]

1. The Board shall consist of not more than fourteen members, appointed by the Minister. Of the fourteen members, one shall be a person nominated by-

- (a) the Citrus Growers' Association;
- (b) the beekeepers industry;
- (c) the Belize Livestock Association; and
- (d) the Grain Growers Association.

In appointing the members to the Board, the Minister may consult with any organisation which he considers is interested in or will be affected by the control of pesticides.

2. The appointment of a member shall, subject to the provisions of this Schedule, be for a period not exceeding two years and such member shall be eligible for reappointment.

3. The Minister shall appoint one of the members to be Chairman thereof.
4. If the Chairman is unable to act, the Minister may appoint any member to act in the place of the Chairman.
- 5.-(1) Any member other than the Chairman may at any time resign his office by instrument in writing addressed to the Minister and transmitted through the Chairman and from the date of receipt by the Minister of such instrument that member shall cease to be a member of the Board.

(2) The Chairman may at any time resign his office by instrument in writing addressed to the Minister and such resignation shall take effect as from the date of receipt by the Minister of that instrument.
6. The Minister shall designate a public officer to perform the function of Secretary of the Board.
7. If any vacancy occurs in the membership such vacancy shall be filled by the appointment of another member by the Minister, and in making such appointment, the Minister shall have regard to the provisions of paragraph 1.
8. The names of all members as first constituted and every change in the membership shall be published in the *Gazette*.
9. The Board may co-opt such persons, whether Government officers or otherwise, to attend particular meetings or parts thereof, as it thinks fit.
10. The funds of the Board shall consist of such monies as may from time to time be placed at its disposition for the purposes of this Act by the National Assembly, and such other monies as may be lawfully paid to the Board.
11. The Board shall keep proper accounts of its receipts, payments, assets and liabilities, and such accounts shall be audited annually by the Auditor-General.

12.- (1) The Board shall, not later than three months after the end of each financial year, cause to be made and transmitted to the Minister a report of its activities during the preceding financial year, including a statement of its accounts, audited in accordance with paragraph 11, and the Minister shall cause copies of such report, together with the auditor's report, to be laid on the Tables of the House of Representatives and of the Senate.

(2) The Board shall, before the date specified by the Minister, submit to the Minister for his approval estimates of revenue and expenditure for the ensuing financial year.

13.-(1) The seal of the Board shall be kept in the custody of the Chairman or the Secretary and shall be affixed to instruments pursuant to a resolution of the Board in the presence of the Chairman or any other member acting in that capacity and the Secretary.

(2) The seal of the Board shall be authenticated by the signatures of the Chairman, or any other member authorised to act in that behalf, and the Secretary.

(3) All documents other than those required by law to be under seal made by and all decisions of the Board may be signified under the hand of the Chairman, or any other member authorised in that behalf, or the Secretary.

14.-(1) The Board shall meet at such times as may be expedient for the transaction of its business and such meetings shall be held at such places and times and on such days as the Board may determine.

(2) The Chairman or any member acting in that capacity shall preside at all meetings of the Board.

(3) The Chairman may at any time call a special meeting of the Board and shall call a special meeting within seven days of the receipt of a

written requisition for that purpose addressed to him by any three members of the Board.

(4) A quorum of the Board shall be eight.

(5) Minutes in proper form of each meeting of the Board shall be kept.

(6) The validity of the proceedings of the Board shall not be affected by any vacancy amongst the members thereof.

15.-(1) The Board may appoint such committees as it thinks fit, and may delegate to any committee so appointed the power and authority to carry out on its behalf such functions as the Board may determine, so that, however, no committee so appointed shall have the power to make regulations.

(2) The constitution of any committee appointed pursuant to subparagraph (1) shall be determined by the Board.

(3) The validity of the proceedings of a committee appointed pursuant to this paragraph shall not be affected by any vacancy amongst the members thereof.

16.-(1) No member of the Board shall be personally liable for any act or default of the Board done or omitted to be done in good faith in the course of the operations of the Board.

(2) Where any member of the Board is exempt from liability by reason only of the provisions of this paragraph, the Board shall be liable to the extent that it would be if the member were a servant or agent of the Board.

17. There shall be paid from the funds of the Board to the Chairman and other members of the Board such allowances as the Minister may prescribe.

18. The office of Chairman or member of the Board shall not be a public office for the purpose of the Constitution of Belize.

CAP. 4.

SECOND SCHEDULE

[Section 6]

REGISTERED PESTICIDES

| Common Names | LD ₅₀ | Uses | PCB Reg. No. |
|---------------------------|------------------|------|--------------|
| allethrin | 685 | I | 0002 |
| ametryne | 1,000 | H | 0003 |
| asulam | 2,000 | H | 0004 |
| atrazine | 1,750 | H | 0005 |
| azamethiphos | 1,180 | I, A | 0250 |
| bacillus thuringiensis | - | I | 0006 |
| baits/attractants | - | K | 0007 |
| basic copper sulphate | 1,000 | F | 0008 |
| benomyl | 9,950 | F | 0009 |
| bensulide | 770 | H | 0010 |
| bentazone | 1,100 | H | 0011 |
| bifenthrin | 375 | I, A | 0242 |
| boric acid | - | K | 0222 |
| brodifacoum | 1.3 | R | 0012 |
| bromdiolone | 11,000 | R | 0240 |

| Common Name | LD ₅₀ | Uses | PCB Reg. No. |
|--|------------------|------|--------------|
| bromuconazole | 365 | F | 0258 |
| bupirimate | 4,000 | F | 0013 |
| buprofezin | 2,198 | I | 0237 |
| butachlor | 1,740 | H | 0014 |
| butylate | 3,500 | H | 0015 |
| captafol | 2,500 | F | 0016 |
| captan | 9,000 | F | 0017 |
| carbaryl | 250 | I | 0018 |
| carboxin | 3,820 | F | 0192 |
| chloramben | 5,620 | H | 0019 |
| chlorophacinone | 50 | R | 0199 |
| chloroprotham | 3,800 | H | 0020 |
| chlorothalonil | 10,000 | F | 0021 |
| chlorpyrifos (less than 2% a.i.) | 97 | I | 0093 |
| chlorthal- dimethyl | 3,000 | H | 0022 |
| <u>lambda</u> - cyhalothrin | 230 | I | 0023 |
| copper hydroxide | - | F | 0024 |
| copper ammonium carbonate | - | F | 0025 |

| Common Name | LD ₅₀ | Uses | PCB Reg. No. |
|--|------------------|------|--------------|
| copper oxychloride | 1,000 | F | 0026 |
| coumaphos (less than 2% a.i.) | 13 | I | 0094 |
| coumatetralyl | 16.5 | R | 0027 |
| cuprous oxide | 1,500 | F | 0255 |
| cyfluthrin | 590 | I | 0028 |
| cypermethrin | 138 | I | 0029 |
| dalapon | 7,750 | H | 0030 |
| deltamethrin | 135 | I | 0210 |
| diafenthiuron | 2,068 | I,A | 0256 |
| diazinon (less than 2% a.i.) | 76 | I | 0099 |
| dicamba | 2000 | H | 0031 |
| dichlormid | 2,000 | H | 0032 |
| dichlorvos (DDVP) (less than 2% a.i.) | 56 | I | 0033 |
| difenacoum | 1.8 | R | 0034 |
| difenoconazole | 1,453 | F | 0257 |
| diphacinone | 2.3 | R | 0200 |
| diphenamide | 1,050 | H | 0035 |

| Common Name | LD ₅₀ | Uses | PCB Reg. No. |
|--------------------------|------------------|------|--------------|
| diuron | 437 | H | 0036 |
| EPTC | 2,525 | H | 0037 |
| ethephon | 4,229 | H | 0235 |
| etridiazole | 2,000 | F | 0038 |
| farnesol & nerolidol | 5,000 | I | 0254 |
| fenbutatin oxide | 630 | A | 0039 |
| fenoxycarb | 16,800 | I | 0232 |
| fenvalerate | 450 | I | 0040 |
| flocoumafen | 0.25 | R | 0193 |
| fluazifop-butyl | 3,238 | H | 0041 |
| flusilazole | 1,100 | F | 0189 |
| fosetyl-A | 5,800 | F | 0042 |
| glyphosate | 1,568 | H | 0043 |
| glyphosate- trimesium | 750 | H | 0245 |
| haloxyfop ethoxyethyl | 2,179 | H | 0234 |
| hexaconazole | 2,000 | F | 0044 |

| Common Name | LD ₅₀ | Uses | PCB Reg. No. |
|---|------------------|------|--------------|
| hexazinone | 1,690 | H | 0045 |
| hydramethlnon | 1,131 | I | 0046 |
| imazapyr | 5,000 | H | 0249 |
| imazethapyr | 5,000 | H | 0248 |
| lime sulphur (calcium polysulphide) | - | A | 0047 |
| linuron | 1,500 | H | 0048 |
| malathion | 885 | I | 0049 |
| metalaxyl | 889 | F | 0050 |
| metaldehyde | 630 | M | 0051 |
| metolachlor | 2,780 | H | 0201 |
| metribuzin | 2,200 | H | 0202 |
| molinate | 369 | H | 0052 |
| napropamide | 4,680 | H | 0053 |
| naptalam | 1,770 | H | 0054 |
| napthalene | 2,200 | K | 0194 |
| nitrofen | 2,630 | H | 0055 |
| norflurazon | 8,000 | H | 0203 |
| oryzalin | 10,000 | H | 0204 |

| Common Name | LD ₅₀ | Uses | PCB Reg. No. |
|---------------------------------|------------------|------|--------------|
| oxadiazon | 800 | H | 0056 |
| oxyfluorfen | 5,000 | H | 0205 |
| pebulate | 1,120 | H | 0057 |
| pendimethalin | 1,350 | H | 0058 |
| permethrin | 200 | I | 0059 |
| pest barriers | - | K | 0211 |
| phoxim | 1,145 | I | 0060 |
| pirimicarb | 107 | I | 0061 |
| pirimiphos-ethyl | 140 | I | 0062 |
| pirimiphos-methyl | 2,050 | I | 0063 |
| profenofos + cypermethrin | 358 | I | 0064 |
| prometryne | 5,235 | H | 0190 |
| propanil | 1,285 | H | 0191 |
| propazine | 7,700 | H | 0065 |
| propiconazole | 1,517 | F | 0066 |
| propineb | 8,500 | F | 0067 |
| propoxur (less than 2% a.i.) | 90 | I | 0068 |
| pyrethrins | 1,500 | I | 0069 |

| Common Name | LD ₅₀ | Uses | PCB Reg. No. |
|--------------------------------|------------------|------|--------------|
| quinomethionate | 2,500 | F, A | 0070 |
| resmethrin (less than 2% a.i.) | 2,500 | I | 0215 |
| rotenone | 132 | I | 0188 |
| simazine | 5,000 | H | 0071 |
| spray oil | - | F | 0072 |
| streptomycin | 9,000 | B | 0073 |
| sulphur | - | F, A | 0074 |
| surfactants | - | K | 0075 |
| temephos | 2,030 | I | 0076 |
| tetramethrin | 5,000 | I | 0077 |
| thiabendazole | 3,100 | F | 0078 |
| thiobencarb | 1,903 | H | 0079 |
| thiram | 560 | F | 0080 |
| tralomethrin | 1,250 | I | 0206 |
| triadimenol | 1,000 | F | 0207 |
| trichlorphon | 450 | I | 0081 |
| tridemorph | 562 | F | 0082 |
| trifluralin | 10,000 | H | 0083 |
| vernolate | 1,500 | H | 0084 |
| warfarin | 1 | R | 0208 |

A=acaricide, F=fungicide, H=herbicide, I=insecticide, K-bait, attractant,
M=molluscicide, N=nematicide, R=rodenticide, V=avicide, Z=bactericide

THIRD SCHEDULE

[Section 8]

RESTRICTED PESTICIDES

| Common Name | LD ₅₀ | Uses | PCB Reg. No. |
|----------------------------------|------------------|---------------------|--------------|
| abamectin | 10 | I, M | 0260 |
| acilfluorfen | 1,300 | H | 0217 |
| alachlor | 1,200 | H | 0001 |
| aldicarb | 0.9 | I, N | 0085 |
| aluminium phosphide | 2.8 | I, R | 0086 |
| amitraz | 800 | A, I | 0211 |
| chromated copper arsenic | | F, H, M, I, N, K | 0231 |
| azinthos-methyl | 5 | A, I | |
| gamma-BHC (less than 1% a.i.) | 76 | I | 0088 |
| bendiocarb | 143 | I | 0089 |
| bensulfuron methyl | 5,000 | H | 0212 |
| bromacil | 5,200 | H | 0209 |

| Common Name | LD ₅₀ | Uses | PCB Reg. No. |
|-------------------|------------------|-------|--------------|
| bronopol | 180 | Z | 0223 |
| cadusafos | 37 | I,N | 0108 |
| carbofuran | 5.3 | I,N | 0090 |
| carbophenothion | 20 | A,I | 0091 |
| carbosulfan | 209 | I,A | 0241 |
| chlorfenvinphos | 10 | I | 0092 |
| chlorimuron ethyl | 4,000 | H | 0213 |
| chlorpyrifos | 97 | A,I | 0093 |
| coumaphos | 13 | A,I | 0094 |
| cyanazine | 288 | H | 0218 |
| 2,4-D amine | 375 | H | 0096 |
| 2,4-D ester | 375 | H | 0097 |
| dazomet | 519 | F,H,N | 0252 |
| DDT | 87 | I | 0098 |
| demeton-S-methyl | 64 | A,I | 0095 |
| diazinon | 76 | I | 0099 |
| dichlofluanid | 5,000 | F | 0246 |

| Common Name | LD ₅₀ | Uses | PCB Reg. No. |
|---------------|------------------|---------|--------------|
| dichlorvos | 25 | I | 0033 |
| diflubenzuron | 4,640 | I | 0236 |
| dimethoate | 215 | A, I, N | 0101 |
| diquat | 235 | H | 0238 |
| disulfoton | 4 | I | 0239 |
| DSMA | 1,800 | H | 0230 |
| EPN | 26 | A, I | 0103 |
| ethion | 208 | A, I | 0104 |
| ethoprophos | 34 | I, N | 0105 |
| fenamiphos | 8 | N | 0106 |
| fenitrothion | 800 | A, I | 0107 |
| fenthion | 190 | A, I | 0195 |
| fluometuron | 8,900 | H | 0224 |
| fomesafen | 1,500 | H | 0216 |
| fonofos | 3 | I | 0109 |
| imazalil | 343 | F | 0251 |
| amidacloprid | 450 | I | 0247 |

| Common Name | LD ₅₀ | Uses | PCB Reg. No. |
|---------------------|------------------|-------|--------------|
| ioxynil | 110 | H | 0110 |
| isazofos | 40 | I,N | 0259 |
| kasugamycin | 22 | F | 0196 |
| magnesium phosphide | 2.8 | I,R | 0111 |
| mancozeb | 8,000 | F | 0112 |
| maneb | 6,750 | F | 0197 |
| mepiquat chloride | 1,420 | H | 0228 |
| methamidophos | 7.5 | A,I | 0113 |
| metham sodium | 820 | F,H,I | 0114 |
| methomyl | 17 | I | 0115 |
| metsulfuron methyl | 5,000 | H | 0214 |
| mirex | 230 | I | 0116 |
| monocrotophos | 8 | A,I | 0117 |
| monosodium | 700 | H | 0229 |
| nicosulfuron | 5,000 | H | 0244 |
| omethoate | 50 | A,I | 0118 |
| oxamyl | 5.4 | A,I,N | 0119 |
| oxydemeton-dimethyl | 65 | A,I | 0198 |

| Common Name | LD ₅₀ | Uses | PCB Reg. No. |
|---------------------|------------------|---------|--------------|
| paraquat | 57 | H | 0120 |
| parathion-methyl | 6 | A, I | 0121 |
| pentachlorophenol | 50 | F, I, H | 0122 |
| picloram | 3,750 | H | 0123 |
| prochloraz | 1,600 | F | 0233 |
| propoxur | 83 | I | 0068 |
| quinclorac | 4,120 | H | 0253 |
| quizalofop-ethyl | 1,670 | H | 0214 |
| resmethrin | 2,500 | I | 0215 |
| strychnine | 1 | R | 0215 |
| sulfometuron methyl | 5,000 | H | 0220 |
| terbufos | 4.5 | I, N | 0243 |
| thidiazuron | 4,000 | H | 0227 |
| thiodicarb | 166 | I | 0225 |
| tribuphos | 1,272 | H | 0226 |
| vamidothion | 64 | A, I | 0126 |
| Zineb | 5,200 | F | 0127 |

A=acaricide, F=fungicide, H=herbicide, I=insecticide, K=bait, attractant,
M=molluscicide, N=nematicide, R=rodenticide, V=avicide, Z=bactericide.

FOURTH SCHEDULE
[Section 13]
PROHIBITED PESTICIDES

| Common Name | LD ₅₀ | Uses | Remarks | PCB Reg. No. |
|----------------|------------------|---------------------|---|--------------|
| acrylonitrile | | I, N | Highly toxic acid used with CC14, a carcinogen and mutagen. | 0128 |
| aldrin | 39 | I | Environmental pollutant; suspected carcinogen. | 0130 |
| antu | 6 | R, K, | Insufficient toxicological data on non-target organisms. | 0131 |
| arsenicals | | F, H, I, M, N, K | Environmental pollutants; carcinogenic. | 0132 |
| azinphos-ethyl | 9 | A, I | Highly toxic. | 0133 |

| Common Name | LD ₅₀ | Uses | Remarks | PCB Reg. No. |
|--|------------------|---------|--|--------------|
| gamma-BHC (except with prescription for formulation containing less than 1% a.i.) | 76 | I | Chlorinated hydrocarbon; environmental pollutant. | 0134 |
| carbon disulphide | 300 | I, N | Hazardous by explosion of gas-forming liquid, uses CCl ₄ , a carcinogen. | 0135 |
| chlordane | 283 | I | Chlorinated hydrocarbon; environmental pollutant; alternatives available for termite control. | 0136 |
| chlordecone | 95 | I | Environmental pollutant; suspected carcinogen and teratogen. | 0137 |
| chloropicrin | 250 | F, I, N | Tear gas; extremely toxic and irritating to skin, eyes and respiratory tract. | 0138 |
| cycloheximide | 2 | F | Extremely toxic; use not warranted. | 0139 |
| cyhexatin | 540 | A | Foetotoxicity, teratogenicity | 0140 |

| Common Name | LD ₅₀ | Uses | Remarks | PCB Reg. No. |
|---------------------------------------|------------------|------|---|--------------|
| 2,4-DB | 700 | H | Has been implicated with dioxin contamination, an environmental pollutant and suspected carcinogen. | 0141 |
| damephion | | I | Insufficient toxicological data available; alternatives available; suspected carcinogen. | 0142 |
| demeton (demeton-O + demeton-S) | 1.7 | A,I | Extremely toxic. | 0143 |
| dibromo- chloropropane | 170 | N | A potent carcinogen; mutagenic. | 0144 |
| dichlorprop (2,4-DP) | 800 | H | Environmental pollutant; has been implicated with dioxin contamination. | 0145 |
| dicofol | 684 | A,F | Chlorinated hydrocarbon; environmental pollutant. | 0146 |
| dicrotophos | 17 | A,I | Use not justified. | 0147 |

| Common Name | LD ₅₀ | Uses | Remarks | PCB Reg. No. |
|------------------|------------------|------------|--|--------------|
| dieldrin | 46 | I | Environmental pollutant and suspected carcinogen. | 0148 |
| dimefox | 2 | A, I | Extremely toxic; use not warranted. | 0149 |
| dimethoate | 215 | A, I, N | All formulations except EC | 0150 |
| dinoseb | 58 | H | Suspected carcinogen. | 0102 |
| dinoterb | 62 | H | Too toxic for a herbicide; there are many safer ones. | 0151 |
| dinoterb acetate | 42 | H | Highly toxic. | 0152 |
| di-trapex | 175 | F, I, N, Z | Mixed with a suspected carcinogen (CCl ₄); an environmental pollutant. | 0154 |
| DNOC | 20 | F, H, I | Strongly phytotoxic. | 0155 |
| Endosulfan | 30 | A, I | Very toxic to fish and mammals; no antidote available. | 0156 |

| Common Name | LD ₅₀ | Uses | Remarks | PCB Reg. No. |
|------------------------------|------------------|------|--|--------------|
| endrin | 7.5 | I | Environmental pollutant; extreme toxicity; suspected carcinogen and teratogen. | 0157 |
| ethylene dibromide (EDB) | 146 | I, N | Suspected carcinogen. | 0158 |
| ethylene dichloride (EDC) | 670 | I | Mixed with CCl ₄ , a carcinogen. | 0159 |
| ethylene oxide (epoxyethane) | 50 | I | Major fire and inhalation hazard. | 0160 |
| fensulfothion | 2 | I, N | Extremely toxic; use not warranted. | 0161 |
| fluenetil | 6 | A | Product discontinued. | 0162 |
| heptachlor | 47 | I | Environmental pollutant; carcinogenic. | 0163 |
| mecarban | 36 | A, I | Discontinued. | 0165 |
| medinoterb acetate | 42 | H | Too toxic for use as a herbicide, alternatives available. | 0166 |
| MEMC | 22 | F | Mercury compound; environmental pollutant. | 0167 |

| Common Name | LD ₅₀ | Uses | Remarks | PCB Reg. No. |
|-----------------------|------------------|------------|--|--------------|
| mercuric chloride | 1 | F, I | Mercury compound; environmental pollutant. | 0168 |
| methoxychlor | 5,000 | I | Environmental pollutant | 0169 |
| methyl bromide | 200 | F, H, I, N | Highly toxic to man; mixed with chlorinated hydrocarbons; difficult to detect. | 0170 |
| mevinphos | 3 | I, N | Extremely toxic. | 0171 |
| mexacarbate | 19 | A, I, M | Too toxic, alternatives available. | 0172 |
| parathion-ethyl | 2 | A, I, V | Extremely and acutely toxic, use not warranted. | 0173 |
| PCNB (quintozene) | 15,000 | F | Environmental pollutant. | 0174 |
| phenylmercury acetate | 22 | F | Mercury compound; environmental pollutant. | 0175 |
| phorate | 2 | I | Extremely and acutely toxic. | 0176 |

| Common Name | LD ₅₀ | Uses | Remarks | PCB Reg. No. |
|-------------------------|------------------|------|---|--------------|
| phosacetim | 3.7 | R | Extremely toxic; home use not justified. | 0177 |
| phosphoamidon | 17 | A, I | Highly toxic. | 0178 |
| schradan | 9 | A, I | Extremely toxic. | 0179 |
| sodium fluoroacetate | 0.22 | R | Extremely and acutely toxic. | 0180 |
| sulfotep | 1.2 | A, I | Extremely toxic. | 0181 |
| 2, 4, 5-T | 500 | H | Environmental pollutant; oncogenicity; teratogenicity; carcinogenicity due to dioxin contamination. | 0182 |
| thallium sulphate | 16 | R | Too toxic for use. | 0183 |
| thionazin | 12 | I, N | Product discontinued. | 0184 |
| toxaphene (camphechlor) | 40 | A, I | Environmental pollutant. | 0185 |

| Common Name | LD ₅₀ | Uses | Remarks | PCB Reg. No. |
|-----------------------|------------------|---------|--|--------------|
| 2,4,5-trichlorophenol | 3,000 | F, N, Z | foetotoxicity, oncogenicity due to dioxin contamination. | 0186 |
| zinc phosphide | 46 | R | Too toxic for home use; no antidote. | 0187 |

A=acaricide, F=fungicide, H=herbicide, I=insecticide, K=bait, attractant, M=molluscicide, N=nematicide, R=rodenticide, V=avicide, Z=bactericide

THE SUBSTANTIVE LAWS OF BELIZE

Printed by the Government Printer,
No. 1 Power Lane,
Belmopan, by the authority of
the Government of Belize.

REVISED EDITION 2000