

# **The Insecticides Act, 1968**

## **(Act No.46 of 1968)**

An Act to regulate the import, manufactures, sale, transport, distribution and use of insecticides with a view to prevent risk to human beings or animals and for matters connected therewith. [2<sup>nd</sup> September 1968]

Be it enacted by Parliament in the Nineteenth Year of the Republic of India as follows:

### **1. Short title, extent and commencement. \***

- a. This Act may be called the Insecticides Act, 1968.
- b. It extends to the whole of India.
- c. It shall come into force on such date as the Central Government may, by notification in the official Gazette, appoint and different dates may be appointed for different States and for different provisions of Act.

### **2. Application of other laws not barred \***

The provisions of this Act shall be in addition to, and not in derogation of, any other law for the time being in force.

### **3. Definitions- In this Act, unless the context otherwise requires-**

- a. "animals" means animals useful to human beings and includes fish and fowl, and such kinds of wild life as the Central Government may, by notification in the official Gazette, specify, being kinds which in its opinion, it is desirable to protect or preserve;
- b. "Board" means the Central Insecticides Board constituted under Sec.4;
- c. "Central Insecticides Laboratory" means the Central Insecticides Laboratory established, or as the case may be, the institution specified under Sec.16;
- d. "Import" means bringing into any place within the territories to which this Act extends from a place outside those territories;
- e. "Insecticide" means-
  - i. any substance specified in the schedule; or
  - ii. such other substances (including fungicides and (weedicides) as the Central Government may, after consultation with the Board, by notification in the official Gazette, include in the schedule from time to time; or
  - iii. Any preparation containing any one or more of such substances;
- f. "Insecticide Analyst" means an insecticide analyst appointed under Sec.19;
- g. "Insecticide Inspector" means an insecticide Inspector appointed under Sec. 20
- h. "Label" means any written, printed or graphic matter on the immediate package and on every other covering in which the package is placed or packed and includes any written, printed or graphic matter accompanying the insecticide;

- i. "Licensing Officer" means a licensing officer appointed under Sec.12;
- j. "Manufacture" in relation to any insecticide, includes-
  - i. any process, or part of a process for making, altering, finishing, packing, labeling, breaking up or otherwise treating or adopting any insecticide with a view to its sale, distribution or use but does not include the packing or breaking up of any insecticide in the ordinary course of retail business; and
  - ii. Any process by which preparation containing an insecticide is formulated.
- k. "Misbranded"- an insecticide shall be deemed to be misbranded-
  - i. If its label contains any statement, design or graphic representation relating thereto which is false or misleading in any material particular, or if its package is otherwise deceptive in respect of its contents; or
  - ii. If it is an imitation of, or is also under the name of, another insecticide; or
  - iii. If its label does not contain a warning or caution which may be necessary and sufficient, if complied with to prevent risk to human beings or animals; or
  - iv. If any word, statement or other information required by or under this act to appear on the label is not displayed thereon in such conspicuous manner as the other words, statements, designs or graphic matter have been displayed on the label and in such terms as to render it likely to be read and understood by any ordinary individuals under customary conditions of purchase and use; or
  - v. If it is not packed or labeled as required by or under this Act; or
  - vi. If it is not registered in the manner required by or under this Act, or
  - vii. If the label contains any reference to registration other than the registration number; or
  - viii. If the insecticide has a toxicity which is higher than the level prescribed or is mixed or packed with any substance so as to alter its nature of quality or contains any substance which not included in the registration.
- l. "Package" means a box, bottle, gasket, tin, barrel, case, receptacle , sack, bag, wrapper, or other thing in which an insecticide is placed or packed;
- m. "Premises" means any land, shop , stall or place where any insecticide is sold or manufactured or stored or used, and includes any vehicle carrying insecticides;
- n. "Prescribed" means prescribed by rules made under this Act;
- o. "Registered", with its grammatical variations and cognate expressions, means registered under this Act;
- p. "Sale", with its grammatical variations and cognate expression, means the sale of any insecticide whether for cash or on credit and whether by wholesale or retail, and includes an agreement for sale, an offer for sale, the exposing for sale or having in possession for sale of any insecticide and includes also an attempt to sell any such insecticide;
- q. "State Government", in relation to a Union territory, means the administrator thereof;
- r. "Worker" means a person employed under a contract of service or apprenticeship.



#### **4. The Central Insecticides Board -**

1. The Central Government shall, as soon as may be, constitute a Board to be called the Central Insecticides Board to advise the Central Government and State Governments on technical matters arising out of administration of this Act and to carry out the other functions assigned to the Board by or under this Act.
2. The matters on which the Board may advise under sub-section (1) shall include matter relating to \*
  - a. The risk to human being or animals involved in the use of insecticides and the safety measures necessary to prevent such risk;
  - b. The manufacture, sale, storage, transport and distribution of insecticides with a view to ensure safety to human beings or animals.
3. The Board shall consist of the following members, namely:
  - a. The Director-General of Health Services, ex officio, who shall be Chairman;
  - b. The Drugs Controller, India, ex officio;
  - c. The Plant Protection Adviser to the Government of India, ex officio;
  - d. The Director of Storage and Inspection, Ministry of Food, agriculture, Community Development and Co-operation, (Department of Food) ex officio;
  - e. The Chief Adviser of Factories, ex officio;
  - f. The Director, National Institute of Communicable Diseases, ex-officio.
  - g. The Director-General, Indian Council of Agricultural Research, ex officio;
  - h. The Director-General, Indian Council of Medical Research, ex-officio;
  - i. The Director, Zoological Survey of India, ex officio;
  - j. The Director-General, Indian Standards Institution, ex officio;
  - k. The Director-General of Shipping or, in his absence, the Deputy Director General of Shipping, Ministry of Transport and Shipping ex officio.
  - l. The joint Director, Traffic (General) Ministry of Railways (Railway Board) ex officio;
  - m. The Secretary Central Committee for Food Standards, ex officio;
    - i. The Animal Husbandry Commissioner, Department of Agriculture, ex-officio;
    - ii. The Joint Commissioner (Fisheries), Department of Agriculture, ex officio;
    - iii. The Deputy Inspector-General of Forests (Wild Life), Department of Agriculture ex officio;
    - iv. The Industrial Adviser (Chemicals), Directorate-General of Technical Development, ex officio)
  - n. One person to represent the Ministry of Petroleum and Chemicals, to be nominated by the Central Government.
  - o. One pharmacologist to be nominated by the Central Government.
  - p. One medical toxicologist to be nominated by the Central Government,
  - q. One person who shall be in charge of the department dealing with public health in a State, to be nominated by the Central Government.

- r. Two persons who shall be Directors of Agriculture in States, to be nominated by the Central Government.
  - s. Four persons, one of whom shall be an expert in industrial health and occupational hazards, to be nominated by the Central Government.
  - t. One person to represent the Council of Scientific and Industrial Research, to be nominated by the Central Government.
  - u. One ecologist to be nominated by the Central Government.
4. The persons nominated under Clause. (xiv) to (xxi) inclusive of sub-section (3) shall, unless their seats become vacant earlier by registration, death or otherwise, hold office for three years from the date of their nomination but shall be eligible for re-nomination.
- Provided that the persons nominated under Cls. (xvii) and (xviii) shall hold office only for so long as they hold the appointments by virtue of which their nominations were made.
5. No act or proceeding of the Board, the Registration Committee or any committee appointed under Sec. 6, shall be called in question on the ground merely of the existence of any vacancy in, or any defect in the constitution of the Board, the Registration Committee or such committee, as the case may be.

## **5. Registration Committee**

1. The Central Government shall constitute a Registration Committee consisting of a Chairman, and not more than five persons who shall be members of the Board (including the Drugs Controller, India and the Plant Protection Adviser to the Government of India) \*
  - a. To register insecticides after scrutinizing their formulae and verifying claims made by the importer or the manufacturer, as the case may be, as regards their efficacy and safety to human beings and animals; and
  - b. To perform such other functions as are assigned to it by or under this Act.
2. Where the Chairman is not a member of the Board, his term of office and other conditions of service shall be such as may be determined by the Central Government.
3. Subject to the provisions of sub-section (2), a member of the Registration Committee shall hold office for so long as he is a member of the Board.
4. The Committee may also co-opt such number of experts and for such propose or period as it may deem it, but any expert so co-opted shall have no right to vote.
5. Registration Committee shall regulate its own procedure and the conduct of the business to be transacted by it.

## **6. Other Committee**

The board may appoint such committees as it deems fit and may appoint to them, persons who are not members of the Board to exercise such powers and perform such duties as may, subject to such conditions, if any, as the Board may impose, be delegated to them by the Board.

## **7. Procedure for Board**

The Board may, subject to the previous approval of the Central Government, make bylaws for the purpose of regulation of its own procedure and the procedure of any committee thereof and the conduct of all business to be transacted by it or such committee.

## **8. Secretary and other officers**

The Central Government shall \*

- I. Appoint a person to be the Secretary of the Board who shall also function as Secretary to the Registration committee; and
- II. Provide the Board and the Registration Committee with such technical and other staff as the Central Government considers necessary.

## **9. Registration of insecticides**

1. Any person desiring to import or manufacture any insecticide may apply to the Registration Committee for the registration of such insecticide and there shall be separate application for each such insecticide:

Provided that any person engaged in the business of import or manufacture of any insecticide immediately before the commencement of this section shall make an application to the Registration Committee within a period of (seventeen months) from the date of such commencement for the registration of any insecticide which he has been importing or manufacturing before that date.

[Provided further that where any person referred to in the preceding proviso fails to make an application under that proviso within the period specified therein, he may make such application at any time thereafter on payment of a penalty of one hundred rupees for every month or part thereon after the expiry of such period for the registration of each such insecticide.]

2. Every application under sub-section (1) shall be made in such form and contain such particulars as may be prescribed.
3. On receipt of any such application for the registration of an insecticide, the Committee may, after such enquiry as it deems fit and after satisfying itself that the insecticide to which the application relates conforms to the claims made by the importer or by the manufacturer, as the case may be, as regards the efficacy of the insecticide and its safety to human beings and animals, register (on such conditions as may be specified by it) and on payment of such fee as may be prescribed, the insecticide, allot a registration number thereto and issue a certificate of registration in token thereof within a period of twelve months from the date of receipt of the application :

Provided that the Committee may, if it is unable within the said period to arrive at a decision on the basis of the materials placed before it, extend the period by a further period of not exceeding six months.

Provided further that if the Committee is of opinion that the precautions claimed by the applicant as being sufficient to ensure safety to human beings or animals are not such as can be easily observed or that notwithstanding the observance of

such precautions the use of the insecticide involves serious risk to human beings or animals it may refuse to register the insecticide.

[(3-A) In the case of applications received by it prior to the 31<sup>st</sup> day of March, 1975, notwithstanding the expiry of the period specified in sub-section (3) for disposal of such applications, it shall be lawful and shall be deemed always to have been lawful for the Registration Committee to dispose of such applications at any time after such expiry but within a period of one year from the commencement of the Insecticides (Amendment) Act, 1977 (24 of 1977):

Provided that nothing contained in this sub-section shall be deemed to make any contravention before the commencement of the Insecticides (Amendment) Act, 1977 (24 of 1977), of a condition of a certificate of registration granted before such commencement, an offence punishable under this Act.

(3-B) Where the Registration Committee is of opinion that the insecticide is being introduced for the first time in India, it may, pending any enquiry, register it provisionally, for a period of two years on such conditions as may be specified by it.

(3-C) The Registration Committee may, having regard to the efficacy of the insecticide and its safety to human beings and animals, vary the conditions subject to which a certificate or registration has been granted and may for that purpose require the certificate holder by notice in writing to deliver up the certificate to it within such time as may be specified in the notice]

4. Notwithstanding anything contained in this section, where an insecticide has been registered on the application of any person, any other person desiring to import or manufacture the insecticide or engaged in the business of, import or manufacture thereof shall on application and on payment of prescribed fee be allotted a registration number and granted a certificate of registration in respect thereof on the same conditions on which the insecticide was originally registered.

## **10. Appeal against non-registration or cancellation**

Any person aggrieved by a decision of the Registration Committee under Sec. 9 may, within a period of thirty days from the date on which the decision is communicated to him appeal in the prescribed manner and on payment of the prescribed fee to the Central Government whose decision thereon shall be final:

Provided that the Central Government may entertain an appeal after the expiry of the said period, if it is satisfied that the appellant was prevented by sufficient cause from filing the appeal in time.

## **11. Power of revision of Central Government**

The Central Government may, at any time, call for the record relating to any case in which the Registration Committee has given a decision under Sec. 9 for the purpose of satisfying itself as to the legality or propriety of any such decision and may pass any such order in relation thereto as it thinks fit:

Provided that no such order shall be passed after the expiry of one year from the date of the decision:

Provided further that the Central Government shall not pass any order prejudicial to any person unless that person has had a reasonable opportunity of showing cause against the proposed order.

## **12. Licensing officers**

The State Government may, by notification in the official Gazette, appoint such persons as it thinks fit to be licensing officers for the purposes of this Act and define the areas in respect of which they shall exercise jurisdiction.

## **13. Grant of license**

1. Any person desiring to manufacture or to sell, stock or exhibit for sale or distribute any insecticide, [or to undertake commercial pest control operations with the use of any insecticide] may make an application to the licensing officer for the grant of a license:

Provided that any person engaged in the business of manufacturing or selling, stocking or exhibiting for sale or distributing any insecticide immediately before the commencement of this section shall make an application to licensing officer for the grant of a license within a period of [seventeen months] from the date of such commencement:

Provided further that any person engaged in the commercial pest control operations immediately before the commencement of the Insecticides (Amendment) Act, 1977 (24 of 1977), shall make an application to the licensing officer for the grant of a license within a period of six months from the commencement of the said Act].

2. Every application under sub-section (1) shall be made in such form and shall contain such particulars as may be prescribed.
3. On receipt of any such application for the grant of a license, the licensing officer may grant a license in such form, on such conditions and on payment of such fee as may be prescribed.
4. A license granted under this section shall be valid for the period specified therein and may be renewed from time to time for such period and on payment of such fee as may be prescribed:

Provided that where a license has been granted to any person who has made an application under [the first proviso or, as the case may be the second provision to sub-section (1), that license shall be deemed to be cancelled in relation to any insecticide the application for registration whereof has been refused or the registration whereof has been cancelled, under this Act, with effect from the date on which such refusal or cancellation is notified in official Gazette.

5. In prescribed fees for the grant or renewal of licenses under this section, different fees may be prescribed for the sale or distribution of insecticides for purposes of domestic use and for other purposes.

## **14. Revocation, suspension and amendment of licenses**

1. If the licensing officer is satisfied, either on a reference made to him in this behalf or otherwise, that \*

- a. The license granted under Sec. 13 has been granted because of misrepresentation as to an essential fact; or
  - b. The holder of a license has failed to comply with the conditions subject to which the license was granted or has contravened any of the provisions of this Act or the rules made there under,
2. Then, without prejudice to any other penalty to which the holder of the license may be liable under this Act, the licensing officer may, after giving the holder of the license an opportunity of showing cause, revoke or suspend the license.

Subject to any rules that may be made in this behalf, the licensing officer may also vary or amend a license granted under Sec. 13.

#### **15. Appeal against the decision of a licensing officer**

1. Any person aggrieved by a decision of licensing officer under Sec. 13 [except under the proviso to sub-section (4)] or Sec. 14 may, within a period of thirty days from the date on which the decision is communicated to him, appeal to such authority in such manner and on payment of such fees as may be prescribed:

Provided that the appellate authority may entertain an appeal the expiry of the said period if it is satisfied that the appellant was prevented by sufficient cause for filing the appeal in time.

2. On receipt of an appeal under sub-section (1), the appellate authority shall, after giving the appellant an opportunity of showing cause; dispose of the appeal ordinarily within a period of six months and the decision of the appellate authority shall be final.

#### **16. Central Insecticides Laboratory**

The Central Government may, by notification in the official Gazette, establish a Central Insecticides Laboratory under the control of Director to be appointed by the Central Government to carry out the functions entrusted to it by or under this Act:

Provided that if the Central Government so directs by a notification in the official Gazette, the functions of the Central Insecticides Laboratory shall, to such extent as may be specified in the notification, be carried out at any such institution as may be specified therein and thereupon the functions of the Director of the Central Insecticides Laboratory shall to the extent so specified, be exercised by the head of the institution.

#### **17. Prohibition of import and manufacture of certain insecticides**

1. No person shall, himself or by any person on his behalf, import or manufacture \*
  - b. Any misbranded insecticide;
  - a. Any insecticide the sale, distribution or use of which is for the time being prohibited under Sec. 27;
  - b. Any insecticide except in accordance with the conditions on which it was registered;
  - c. any insecticide in contravention of any other provision of this Act or of any rule made there under;

Provided that any person who has applied for registration of an insecticide [under any of the provisos] to sub-section (1) of Sec. 9 may continue to import or manufacture any such insecticide any such insecticide shall not be deemed to be a misbranded insecticide within the meaning of sub-section (vi) or sub-clause (vii) or sub-clause (viii) of Cl. (k) of Sec. 3, until he has been informed by the Registration Committee of its decision to refuse to register the said insecticide.

2. No person shall, himself or by any person on his behalf; manufacture any insecticide except under, and in accordance with the conditions of, a license issued for such purpose under this Act.

### **18. Prohibition of sale, etc. of certain insecticides**

1. No person shall, himself or by any person on his behalf, sell, stock or exhibit for sale, distribute [transport, use or cause to be used] by any worker:
  - a. Any insecticide which is not registered under this Act;
  - b. Any insecticide, the sale, distribution or use of which is for the time being prohibited under Sec. 27;
  - c. Any insecticide in contravention of any other provision of this Act or of any rule made there under.
2. No person shall, himself or by any person on his behalf, sell, stock or exhibit for sale or distribute [or use for commercial pest control operations] any insecticide except under, and in accordance with the conditions of, a license issued for such purpose under this Act.

### **Explanation**

For the purposes of this section an insecticide in respect of which any person has applied for a certificate of registration [under any of the provisos] to sub-section (1) of Sec. 9, shall be deemed to be registered till the date on which the refusal to register such insecticide is notified in the official Gazette.

### **19. Insecticide Analysts**

The Central Government or a State Government may, by notification in the official Gazette, appoint persons in such number as it thinks fit and possessing such technical and other qualifications as may be prescribed to be Insecticide Analysts for such areas and in respect of such insecticides or class of insecticides as may be specified in the notification:

Provided that no person who has any financial interest in the manufacture, import or sale of any insecticide, shall be so appointed.

### **20. Insecticide Inspectors**

1. The Central Government or a State Government may, by notification in the official Gazette, appoint persons in such number as it thinks fit and possessing such technical and other qualifications as may be prescribed to be Insecticide Inspectors for such areas as may be specified in the notification:

Provided that any person who does not possess the required qualifications may be so appointed only for the purposes of Cls. (a) and (d) of sub-section (1) of Sec. 21.

Provided further that no person who has any financial interest in the manufacture, import or sale of any insecticide shall be so appointed.

2. Every Insecticide Inspector shall be deemed to be a public servant within the meaning of Sec. 21 of the Indian Penal Code (45 of 1860), and shall be officially subordinate to such authority as the Government appointing him may specify in this behalf.

## **21. Powers of Insecticide Inspectors**

1. An Insecticide Inspector shall have power:
  - a. to enter and search, at all reasonable times and with such assistance, if any, as he considers necessary, any premises in which he has reason to believe that an offence under this Act or the rules made there under has been or is being or is about to be committed, or for the purpose of satisfying himself that the provisions of this Act or the rules made there under or the conditions of any certificate of registration or license issued there under are being complied with;
  - b. to require the production of, and to inspect, examine and make copies of, or take extracts from, registers, records or other documents kept by a manufacturer, distributor, carrier, dealer or any other person in pursuance of the provisions of this Act or the rules made there under and seize the same, if he has reason to believe that all or any of them may furnish evidence of the commission of an offence punishable under this Act or the rules made there under;
  - c. to make such examination and inquiry as he thinks fit in order to ascertain whether the provisions of this Act or the rules made there under are being complied with and for the purpose stop any vehicle;
  - d. to stop the distribution, sale or use of an insecticide which he has reason to believe is being distributed, sold or used in contravention of the provisions of this Act or the rules made there under, for a specified period not exceeding twenty days, or unless the alleged contravention is such that the defect may be removed by the possessor of the insecticide, seize the stock of such insecticide;
  - e. to take samples of any insecticide and send such samples for analysis to the Insecticide Analyst for test in the prescribed manner; and
  - f. to exercise such other powers as may be necessary for carrying out the purposes of this Act or the rules made there under.
2. The provisions of the Code of Criminal Procedure, 1973 (2 of 1974), shall, as far as may be, apply to any search or seizure under this Act as they apply to any search or seizure made under the authority of a warrant issued under Sec. 94 of the said code.
3. An Insecticide Inspector may exercise the powers of a police officer under [Sec. 42 of the Code of Criminal Procedure, 1973 (2 of 1974)], for the purpose of ascertaining

the true name and residence of the person from whom a sample is taken or insecticide is seized.

## **22. Procedure to be followed by Insecticide Inspectors**

1. Where an Insecticide Inspector seizes any record, register or document under Cl. (b) sub-section (1) of Sec. 21, he shall, as soon as may be inform a Magistrate and take his orders as to the custody thereof.
2. Where an Insecticide Inspector takes any action under Cl. (d) of sub-section (1) of Sec. 21
  - a. he shall use all dispatch in ascertaining whether or not the insecticide or its sale, distribution or use contravenes any of the provisions of Sec. 18 and if it is ascertained that the insecticide or its sale, distribution or use does not so contravene, forthwith revoke the order passed under the said clause or, as the case may be, take such action as may be necessary for the return of the stock seized;
  - b. if he seizes the stock of the insecticide he shall, as soon as may be, inform a Magistrate and take his orders as to the custody thereof;
  - c. without prejudice to the institution of any prosecution, if the alleged contravention be such that the defect may be remedied by the possessor of the insecticide, he shall, on being satisfied that the defect has been so remedied, forthwith revoke his order and in case where the Insecticide Inspector has seized the stock of insecticide, he shall, as soon as may be, inform a Magistrate and obtain his order as the release thereof.
3. Where an Insecticide Inspector takes any sample of an insecticide, he shall tender the fair price thereof and may require a written acknowledgement therefore.
4. Where the price tendered under sub-section (3) is refused, or where the Insecticide Inspector seizes the stock of any insecticide under Cl. (d) of sub-section (1) of Sec. 21 he shall tender a receipt therefore in the prescribed form.
5. Where an Insecticide Inspector takes a sample of any insecticide for the purpose of test or analysis, he shall intimate such purpose in writing in the prescribed form to the person from whom he takes it, and in the presence of such person unless he willfully absents himself, shall divide the sample into three portions and effectively seal and suitably mark the same and permit such person to add his own seal and mark to all or any of the portion so sealed and marked.

Provided that where the insecticide is made up in containers of small volume, instead of dividing a sample as aforesaid, the Insecticide Inspector may, and if the insecticide be such, that it is likely to deteriorate or be otherwise damaged by exposure shall take three of the said containers after suitably marking the same and, where necessary, sealing them.

6. The insecticide inspector shall restore one portion of a sample so divided or more one container, as the case may be, to the person from whom he takes it and shall retain the remainder and dispose of the same as follows:
  - a. one portion or container, he shall forthwith send to the Insecticide Analyst for test or analysis; and
  - b. the second, he shall produce to the Court before which proceedings, if any, are instituted in respect of the insecticide.

### **23. Persons bound to disclose place where insecticides are manufactured or kept \***

Every person for the time being in charge of any premises where any insecticide is being manufactured or is kept for sale or distribution shall, on being required by an Insecticide Inspector so to do, be legally bound to disclose to the Insecticide Inspector the place where the insecticide is being manufactured or is kept, as the case may be.

### **24. Report of Insecticide Analyst**

1. The Insecticide Analyst to whom a sample of any insecticide has been submitted for test or analysis under sub-section (6) of Sec. 22, shall, within a period of sixty days, delivery to the Insecticide Inspector submitting it a signed report in duplicate in the prescribed form.
2. The Insecticide Inspector on receipt thereof shall deliver one copy of the report to the person from whom the sample was taken and shall retain the other copy for use in any prosecution in respect of the sample.
3. Any document purporting to be a report signed by an Insecticide Analyst shall be evidence of facts stated therein, and such evidence shall be conclusive unless the person from whom the sample was taken has within twenty-eight days of the receipt of a copy of the report notified in writing the Insecticide Inspector or the Court before which any proceeding in respect of the sample are pending that he intends to adduce evidence in contravention of the report.
4. Unless the sample has already been tested or analyzed in the Central Insecticides Laboratory, where a person has under sub-section (3) notified his intention of adducing evidence in contravention of the insecticide analysts report the Court may, of its own motion or its discretion at the request either of the complainant or of the accused, cause the sample of the insecticide produced before the Magistrate under sub-section (6) of Sec. 22 to be sent for test or analysis to the laboratory, which shall make the test or analysis and report in writing signed by, or under the authority of, the Director of Central Insecticides Laboratory the result thereof, and such report shall be conclusive evidence of the facts stated therein.
5. The cost of a test or analysis made by the Central Insecticides Laboratory under sub-section (4) shall be paid by the complainant or the accused as the Court shall direct.

### **25. Confiscation**

1. Where any person has been convicted under this Act for contravening any of the provisions of this Act or of the rules made there under, the stock of the insecticide in respect of which the contravention has been made shall be liable to confiscation.
2. Without prejudice to the provisions contained in sub-section (1), where the Court is satisfied on the application of an Insecticide Inspector or otherwise and after such inquiry as may be necessary, that the insecticide is a misbranded insecticide, such insecticide shall be liable to confiscation.

### **26. Notification of poisoning**

The State Government may, by notification in the official Gazette, require any person or class of persons specified therein to report all occurrences of poisoning (through the use

or handling of any insecticide) coming within his or their cognizance to such officer as may be specified in the said notification.

## **27. Prohibition of sale, etc. of insecticide for reasons of public safety**

1. If, on receipt of a report under Sec. 26 or otherwise, the Central Government or the State Government is of opinion, for reasons to be recorded in writing, that the use of any insecticide specified in sub-clause (iii) of Cl. (e) of Sec. 3 or any specific batch thereof is likely to involve such risk to human beings or animals as to render it expedient or necessary to take immediate action then that Government may, by notification in the official Gazette, prohibit the sale, distribution or use of the insecticide or batch, in such areas, to such extent and for such period (not exceeding sixty days) as may be specified in the notification pending investigation into the matter :

Provided that where the investigation is not completed within the said period, the Central Government or the State Government, as the case may be, may extend it by such further period or periods not exceeding thirty days in the aggregate as it may specify in a like manner.

2. If, as a result of its own investigation or on receipt of the report from the State Government, is satisfied that the use of the said insecticide or batch is or is not likely to cause any such risk, it may pass such order (including an order refusing to register to register the insecticide or canceling the certificate of registration, if any, granted in respect thereof) as it deems fit, depending on the circumstances of the case.

## **28. Notification of cancellation of registration, etc.**

A refusal to register any insecticide or a cancellation of a certificate of registration of any insecticide shall be notified in the official Gazette and in such other manner as may be prescribed.

## **29. Offences and punishment**

1. Whoever,
  - a. imports, manufactures, sells, stocks or exhibits for sale or distributes any insecticide deemed to be misbranded under sub-clause (i) or sub-clause (iii) or sub-clause (viii) of Cl. (k) of Sec. 3 or
  - b. Imports or manufactures any insecticide without a certificate of registration; or
  - c. Manufactures, sells, stocks or exhibits for sale or distributes an insecticide without a license; or
  - d. Sells or distributes an insecticide, in contravention of Sec. 27; or
  - e. Causes an insecticide, the use of which has been prohibited under Sec. 27, to be used by any worker; or
  - i. Obstructs an Insecticide Inspector in the exercise of his powers or discharge of his duties under this Act, or the rules made there under, shall be punishable \*

- ii. For the first offence, with imprisonment for a term which may extend to two years, or with fine which may extend to two thousand rupees, or with both;
  - iii. For the second and a subsequent offence, with imprisonment for a term which may extend to three years, or with fine, or with both.
2. Whoever uses an insecticide in contravention of any provision of this Act or any rule made there under shall be punishable with fine, which may extend to five hundred rupees.
3. Whoever contravenes any of the other provisions of this Act or any rule made there under or any condition of certificate of registration or license granted there under, shall be punishable \*
  - a. For the first offence, with imprisonment for a term which may extend to six months, or with fine or with both;
  - b. For the second and a subsequent offence, with imprisonment for a term which may extend to one year, or with fine or with both.
4. If any person convicted of an offence under this Act commits a like offence afterwards it shall be lawful for the Court before which the second or subsequent conviction takes place to cause the offender\*s name and place of residence, the offence and the penalty imposed to be published in such newspapers or in such other manner as the Court may direct.

### **30. Defense which may or may not be allowed in prosecutions under this Act**

1. Save as hereinafter provided in this section, it shall be no defense in a prosecution under this Act to prove merely that the accused was ignorant of the nature or quality of the insecticide in respect of which the offence was committed or of the risk involved in the manufacture, sale or use of such insecticide or of the circumstances of its manufacture or import.
2. For the purposes of Sec. 17 an insecticide shall not be deemed to be misbranded only by reason of the fact that \*
  - a. there has been added thereto some innocuous substance or ingredient because the same is required for the manufacture or the preparation of the insecticide as an article of commerce in a state fit for carriage or consumption, and not to increase the bulk, weight or measure of the insecticide or to conceal its inferior quality or other defect; or
  - b. In the process of manufacture, preparation or conveyance some extraneous substance has unavoidably become intermixed with it.
3. A person not being an importer or a manufacturer of an insecticide or his agent for the distribution thereof, shall not be liable for contravention of any provision of this Act, if he proves \*

- a. That he acquired the insecticide from an importer or a duly licensed manufacturer, distributor or dealer thereof;
- b. That he did not know and could not, with reasonable diligence, have ascertained that the insecticide in any way contravened any provision of this Act; and
- c. That the insecticide, while in his possession, was properly stored and remained in the same state as when he acquired it.

### **31. Cognizance and trial of Offences**

1. No prosecution for an offence under this Act shall be instituted except by or with the written consent of, the State Government or a person authorized in this behalf by the State Government.
2. No Court inferior to that of a [Metropolitan Magistrate or a Judicial Magistrate of the first class] shall try any offence under this Act.

### **32. [Magistrate\*s power to impose enhanced penalties] Rep. By Act 24 of 1977 Sec. 8.**

### **33. Offences by Companies**

1. Whenever an offence under this Act has been committed by a company, every person who at the time the offence was committed was in charge of, or was responsible to the company for the conduct of the business of the company, as well as the company, shall be deemed to be guilty of the offence and shall be liable to be proceeded against and punished accordingly:

Provided that nothing contained in this sub-section shall render any such person liable to any punishment under this Act if he proves that the offence was committed without his knowledge or that he exercised all due diligence to prevent the commission of such offence.

2. Notwithstanding anything contained in sub-section (1), where an offence under this Act has been committed by a company and it is proved that the offence has been committed with the consent or connivance of, or is attributable to any neglect, on the part of, any director, manager, secretary or other officer of the company, such director, manager, secretary or other officer shall also be deemed to be guilty of that offence and shall be liable to be proceeded against and punished accordingly.

### **Explanation**

For the purpose of this section:

- i. "Company" means any body corporate and includes a firm or other association of individuals; and
- ii. "Director" in relation to a firm, means a partner in the firm.

### **34. Power of the Central Government to give directions**

The Central Government may give such directions to any State Government as may appear to the Central Government to be necessary for carrying into execution in the State any of the provisions of this Act or of any rule or order made there under.

### **35. Protection of action taken in good faith**

No prosecution, suit or other proceeding shall lie against the Government, or any officer of the Government, or the Board, the Registration Committee or any Committee of the Board, for anything in good faith done or intended to be done under this Act.

### **36. Power of the Central Government to make rules**

1. The Central Government may, after consultation with the Board and subject to the condition of previous publication, by notification in the official Gazette, make rules for the purpose of giving effect to the provisions of this Act;

Provided that consultation with the Board may be dispensed with if the Central Government is of opinion that circumstances have arisen which render it necessary to make rules without such consultation, but in such a case the Board shall be consulted within six months of the making of the rules and the Central Government shall take into consideration any suggestions which the Board may make in relation to the amendment of the said rules.

2. In particular and without prejudice to the generality of the foregoing power, such rules may prescribe \*
  - i. The method of packing and labeling;
  - ii. The manner of registration of an insecticide;
  - iii. the functions of the Board and of the Registration Committee and the traveling and other allowance payable to members of the Board, the Registration Committee and any Committee of the Board;
  - iv. The places at which insecticides may be imported and prohibit their import at any other place;
  - v. The form of application for registration of an insecticide and the particulars relating thereto;
  - vi. The fee payable in respect of the registration
  - vii. The manner of appeal to the Central Government under Sec. 10 and fee payable therefore;
  - viii. The form of application for the grant of license and the particulars relating thereto;
  - ix. The form of license, the conditions attached thereto and the fee payable therefore;
  - x. The period for which a license may be renewed and the fee for such renewal;
  - xi. The circumstances in which a license may be varied or amended under sub-section (2) of Sec. 14.
  - xii. The functions of the Central Insecticides Laboratory;
  - xiii. The qualifications, powers and duties of an Insecticide Analyst and an Insecticide Inspector.

- xiv. The manner of testing or analyzing the samples of any insecticide and the fee payable therefore;
- xv. The form in which intimation shall be given by an Insecticide Inspector under sub-section (5) of Sec. 22 to a person from whom a sample of an Insecticide is taken for test or analysis;
- xvi. The form in which the Insecticide Analyst shall submit a report of his test or analysis to the Insecticide Inspector under sub-section (1) of Sec. 24;
- xvii. The protective clothing and equipment to be used by workers during the manufacture, formulation, transport, distribution and application of insecticides and other facilities to be provided to keep themselves and thing supplied to them free from any contamination;
- xviii. The use by the workers of any such protective clothing, equipment and other facilities;
- xix. The precautions to be taken against poisoning through the use or handling of insecticides;
- xx. The measures for detecting and investigating cases in which poisoning has occurred;
- xxi. The facilities to be provided for ensuring first-aid treatment;
- xxii. The instruction and training to be provided regarding the use of things supplied to the workers for ensuring their safety;
- xxiii. The facilities for medical examination of workers engaged in the manufacture or handling of insecticides;
- xxiv. The equipment for and method of application of, an insecticide and the disposal of surplus material, washings and containers, following application;
- xxv. The maintenance and inspection of records and returns;
- xxvi. The restrictions on storage of insecticides during transport or, otherwise along with articles of food;
- xxvii. The maximum proportion of any insecticide which may be added to or contained in, any preparation for domestic use and the restriction thereon;
- xxviii. The manner in which refusal to register an insecticide or cancellation of certificate of registration thereof may be notified;
- xxix. The officer or authority to whom the Central Government may delegate any of the powers and functions conferred on it by this Act;
- xxx. any other matter which has to be prescribed.

3. Every rule made by the Central Government under this Act shall be laid, as soon as may be after it is made, before each House of Parliament, while it is in session for a total period of thirty days which may be comprised in one session [or in two or more successive sessions, and if, before the expiry of the session immediately following the session or the successive sessions aforesaid], both Houses agree in making any modification in the rule or both Houses agree that the rule should not be made, the rule shall thereafter have effect only in such modified form or be of no effect, as the

case may be; so however that any such modification or annulment shall be without prejudice to the validity of anything previously done under that rule.

### **37. Power of the State Government to make rules**

1. The State Government may, after consultation with the Board and subject to the condition of previous publication, by notification in the official Gazette make rules for the purpose of giving effect to the provisions of this Act and not consistent with the rules, if any, made by the Central Government.
2. In particular and without prejudice to the generality of the foregoing power, such rules may provide for \*
  - a. The authority to which, the manner in which, and the fee on payment of which, an appeal may be filed under Sec. 15 and the procedure to be followed by the appellate authority in disposing of the appeal;
  - b. The delegation of any of the powers and functions conferred by this Act on the State Government to any officer or authority specified by that Government.

### **38. Exemption**

1. Nothing in this Act shall apply to:
  - a. the use of any insecticide by any person for his own household purposes or for garden or in respect of any land under his cultivation;
  - b. Any substance specified or included in the schedule or any preparation containing any one or more such substances, if such substance or preparation is intended for purposes other than preventing, destroying, repelling or mitigating any insects, rodents, fungi, weeds and other forms of plant or animal life not useful to human beings.
2. The Central Government may, by notification in the official Gazette, and subject to such conditions, if any, as it may specify therein, exempt from all or any of the provisions of this Act or the rules made there under, any educational, scientific or research organization engaged in carrying out experiments with insecticides.

## THE SCHEDULE

[See sec.3 (e)]

### List of Insecticides

- Acrylonitrile
- Aldrine (1:2 : 3:4 : 10:10 = Hexachloro \*1 : 4a, 5, 8, 8A;-hexhydro-1 : 4 : 5 : 8-dimethanonaphthalene)
- [Allethrin and its stereo isomers] ally homologue of Cinerin
- Aluminium Phosphide
- Amiton
- Antu (alpha-naphthyl thiourea)
- Armaite [2p-tert-butyphenoxy) isopropyl 1-2 chloroethyl sulphite]
- Barium Carbonate
- Barium Fluro Silicate
- BHC (Benzene Hexachloride (1,2,3,4,4,6-hexachlorohexane)
- Bis-dimethylamino Flourophosphine Oxide.
- Calcum Arsenate
- Calcium cynide
- Captan (N-trichloromethy mercapto-4-cyclohexane), 1,2-discarboximide Carbaryl (1-naphthy-N-methyl carbamate).
- Carbon Disulphide
- Carbon Tetrachloride
- Chlorbenside (p-chlorobenzyl-p-chlorophyenyyl sulphide)
- Chlorobis ethyl amino triznine
- Chlorodane (1, 2, 3, 4, 5, 6, 7, 8, 8-octachlore-2-3, 3a-4-7, 7a-Hexahydro-4-7-methanoinadance)
- Chlorobenzilate (Ethyl 4, 4-dischaorbenzilate)
- Choloro-I.P.C.
- Chloropeicrin
- Chlorofenson )p-chlorophenyl-p-chlorobenzene slphonate)
- S-(p-chlorophenythio) methy-o-odiethyl phosphorodithioate (rithion)
- C.I.P.C. [isopropyl-N 93-chlorophenyl) carbanamate]
- C.M.U. (Manuron)
- Copper Arsenate
- Copper Cynanide
- Copper naphthanate
- Copper Sulphate

- Coumachlor [3-a-acetony]-4-chlorobenzyl-4-hydroxy coumarin]]
- ☐ Copper Oxychloride☐ Cuprous Oxide
- Dalapon (Sodium 2,2, dichloropropionate)
- D-D Mixture
- D.D.D.(Dichloro Diphenyl Dichloroethane)
- D.D.T. [ a mixture of 1 1-trichloro-2-bis (p-chlorophenyl) ethane and 1-1, 1-trichloro-2 (o-chlorophenyl)-2 (p-chlorophenyl) ethane]
- D.D.V.P. (2.-dichlorovinyl dimethyl phosphate)
- Demeton-O (O, O-diethyl-S[(2-ethylthiol-ethyl)/Phosphorothioate)
- Demeton-O(S, O-diethyl-S-[2-ethylthiol-ethyl) phosphorothioate)
- Diazinon (O, O-d ethyl-O [e-isopropyl-methyl-4-pyrimidinyl] phosphorothioate)
- Dibrom (1, 2-dibromo, 2,2,2-dichloroethyl phosphate)
- Dichlorophenoxy acetic acid (2,4-D\_
- Dieldrin (1,2,3,4,10; 10-hexachloro-6, 7-epoxy-1, 4a: 5: 6: 7: 8: 8a Octahydro-1 : 4 : 5 : 8-dimethanonaphthalene)
- Dimethoate (O, O-dimethyl-S (N-methylcarbamoyl methyl) phosphorodithioate)
- Dipterex (O, O-dimethyl-2, 2, 2-trichloro hydroxy ethyl phosphopnate)
- D.N.O.C.(Dinitro-ortho-compound) (3: 5-dinitro-o-cresol).
- E.D.C.T. mixture (ethylene Dichloride Carbon Tetrachloride mixture)
- Ekatin
- Endrin (1,2,3,4,10,10-hexachloro-6, 7-epoxy-1, 4, 4a, 5, 6, 7, 8, 8a Octahydro-1, 4-endo-endo 5-8dimethanonphthalene)
- E.P.N. (O-ethyl-O-p nitriphenyl benzence thiopnosophonate)
- Ethoxy ethyl mercury chloride
- Ethyl di-n-propylthiolcarbamate (Eptam)
- Ethyl mercury phosphate
- Ethyl mercury chloride
- Ethylene dibromide
- Ethylene dichloride
- Fenson (Parchlorophenyl benzence sulphonate)
- Fenthion (3-methyl-4-methyl thiophenyl phosphorothionate)
- Ferbam (Ferric Dimethyl dithion carbamate)
- Gusathion (O. O-dimethyl S (4-oxo-1, 2 3-benzotrizinyl-3-methyl phosphorothionate)
- Heptchlor (1,4,5,6,8,8-heptachloro-4-7-methano-3a, 4, 7, 7a-tetrahydoriindene)
- HETP (Hexaethyl tetraphosphate)
- Hexachlorobenzene

- Hydrogen cyanide
- Hydrogen phosphide
- Lead arsenate
- Lime Sulphur (Calcium polysulphide, water-free sulphur, calcium thiosulphate mixture)
- Lindane (gamma, B.H.C.)
- Malathion S-(1-2Bis (ethoxy-carbonyl ethyl), O-dimethyl-phosphoro-dithioate)
- Maleichydrazide (1, 2-dihydropyridazine 3, 6-dione)
- Menenb Maganese ethylene bisdithiocarbamate)
- M.C.P.A. \* (4-chloro-2 Methyl phenoxy acetic acid)
- Mercuric chloride
- Metaldehyde
- Metsystox
- Methoxychlor (1,1,1-trichloro, 2,2-di-p-methoxyphenylethane)
- Methoxy ethyl mercury chloride
- Methyl bromide
- Methyl demeton (Dmeton-methyl and Dimeton-methyl)
- Methyl Mercury Chloride
- Methyl Parathion (O, O-dimethyl-O-p-nitrophenolthiophosphate)
- Metox (Chlorulphicide)
- Nabam (disodium ethylene-1, 2 bisdithiocarbamate)
- Nicotine sulphate
- Octa methyl pyrophosphoramidate
- Para-dichloro benzene
- Parathion (O, O-diethyl O-Pnitrophenylthiophosphate)
- Paris Green (Copper Aceto Arsenite)
- Pentachloronitrobenzene (P.C.N.B.)
- Pentachlorophenol
- Phenyl mercury acetate
- Phenyl mercury chloride.
- Phenyl mercury urea
- Phosdrine
- Phthalimidomethyl-O-O-dimethyl phosphorodithioate (Imidan)
- Piperonyl butoxide (butyl carbonyl) (6-propyl piperonyl) ether O
- Pival (2-Pivalyl-indine 1-3-dione)
- Potassium cyanide

- n-propyl ethyl-n-butyl thiocarbamate (Tillam)
- Phyrethrines (inesctically active principles of *Chrysanthemum cinerariae folium*)
- Rotenone
- Rynia
- Sodium fluoroacetate
- Sodium cyanide
- Sodium Fluro Silicate
- Sulphur (Wettable or colloidal sulphur)
- Strychnine
- Sulphoxide (1, 2-methylene-dioxy-4(2-octylsulphinyl) propyl benzene)
- T.C.A. (tichlor acetic acid sodium and ammonium salts)
- Tedion (tetrachlor diphenyl sulphone)
- TEPP (tetraethyl Pyrophysophate)
- Tetrachloro-p-benmzoquinone
- Thanite
- Thiram (bis(dimethyl Thiocarbamyl) Disulphide)
- Toly mercury acetate
- Trichlorphon
- Thriothoresyl phosphate
- Thallium sulphate
- Thiometon
- Taxaphene (chlorinated camphne containing 67-69% chlorine)
- Trichlorophenoxy acetic acid (e, 4,5-T)
- Warfarin (3-a-acetonyl benzyl-4-hydroxy-coumarin)
- Zinc phosphide
- Zimet
- Zineb (Zinc ethylene bis-dithiocarbamate)
- Ziam (Zinc dimethyl dithiocarbamate)
- Zulate
- [Acrokin 2 Propenal or Acryladehyde
- Actellic (primphosemethyl) 2\*diethylamino-6-methylpyrimidin-4-yl dimethyl phosphorothionate
- Afugon Diethyl methyl exthoxycarbonyl Pyrazolopyrimidine-yl- phosphorothionate
- Alachlor 2-Chloro-2, 6-diethyle-n-(methoxymethyl)- acetanilide.
- Aldicarb 2-methyl-2-(methylthio) propional-dehyde-o-(methylcarbamoyl) oxime
- Amidithion S-(N-2-methoxythyl-Carlomoyl-methyl) dimethyl phosphorothiolothionate

- Amitrole 3-Amino-1,2,4-triazole
- Ammonium Sulphamate Ammonium Sulphamate
- Asulam Methyl-N-(4-aminobenzenesulphonyl) Carbamate
- Atrazine 2-Chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine
- Aureofungin Aureofungin
- Azinphos-ethyl S-(3,4-dihydro-4-oxobenzo-(d)-(1,2,3)-triazine-3-yl-methyl) diethyl phosphorothio-lathionate.
- Barban 4-chloro-2-ynyl-3-chlorophenyl carbamate
- Barium Polysulphide Barium Polysulphide
- Bassa O-Secondary-butylphenylmethyl carbamate
- BCPE (Chlorphenithel) 1,1-bis(4-Chlorophenyl) \* ethanol
- Bemomyl Methyl-N-benzimidazol-2-yl-N-(butylearbemoyal carbamate)
- □ Bensulide -S (O,O-Di.isopropyl phosphorodithionate) cester with N-(2-mercaptoethyl) benzene sulphenamide
- Binapacryl 2-(1-methyl-n-propyl)-4, 6-dinitr phenyl-2-2-Methylcrobonate
- Bromacil 5-bromo-6-methyl-3-(1-methylpropyl) uracil
- Bromopyrazen 5-amino-4-bromo-2-phenylpyridazin-3-one
- Bromoxynil 3, 5 diboromo-4-hydroxybenzonitrile
- Brozone Methyl bromide and chloropicrin in petroleum solvent.
- Buturon 3-(4-chlorophenyl) 1\*methyl-1-(10methyl prop-2-ynyl) urea
- Butylate S-ethyl-N, N-disobutylthiocarbamate
- Bux Mixture of m-(1-methyl- butyl) phenylmethyl carbamate and m-(1-methyl butyl) phenylmethyl carbamate and m(1-ethyl propyl phynyl) mthyl carbamate.
- Cadmium based compounds (Cadmium chloride, Cadmium sulphate, Cadmium succinate)
- Captafel N-O(1, 1, 2, 2-tetrachlorothethylthio) cyelohept-4-one-1, 2-dicarboxymide
- Carbefuran 2,3-dihydro-2, 2-dimethyl-7-benzofurmyayl Methylcarbamate
- Carbophenothion S[(p-Chlorophenylthio)] \* methylO, o-diethyl phosphordithiotate.
- Carboxin (DCMO) 5, 6-(dihydro-2-methyl-1-1, 4-oxathin-3-car Boxanilide
- Chinomethionate 6-methyl-2-oxo-1, 3-dithio (4, 5-b) Quinoxaline
- Chloramben 3-amine-2, 5-dichlorobenzonic acid
- Chlorobufam (BIPC) 1-methyl-2-propynyl-m-chlorocarbonilate
- Chlorfenyphos 2-chloro-1 (2, 4-dichlorophenyl)-Vinyl Diethylphosphate
- Chloromequat Chloride (2-chloroethyl) trimethylammonium chloride
- Chloroneb 1, 4-dichloro-2, 5-dimethoxybenzine
- Chloropropane Chloropropane

- Chloroxur-n N\*-4-(4 Chlorophenoxy) phenyl-N N-dimethyl-ureat
- Citicide Chlorinated turpene
- Citowett Alkylarylopolglykelether
- Clonitralid 5, dichloro-4-\*nitro-salicylic-anilide-Ethanolamine
- Copper Hydroxide Copper Hydroxide
- Coumafuryl 3-(a-Acetonilfurfuryl)-4-hydrocyceumarin
- Coumaphos 3-Chloro-4-methyl-7-coumarinyl diethyl Phosphorothionate
- Coumatetralyl 4-hydroxy-3(1,2,3,4-tetrahydrol-naphthyl) Coumarin
- Coyden 3,5-dichloro, 6-dimethyl-4-pyridinol
- CPAS 4-Chlorophenyl, 1,2,4,5-trichlorophyny-lazosulphide
- Cyclomoph N-Cyclodedecyl-2, 6-dimethyl-morpholinacetate
- Cyclurin (OMU) N\*-Cycle-octyl-N-dimethyl-urea
- Cytrolane 2-(diethoxy phosphraylimino), 4-methyl-1, 3-dithiolane
- Decarbofuran 2, 3-dihydro-2-methylbenzofuren-7-yl-methyl carbamate
- Decazolin 1-(alpha, alpha-dimethyl-beta-acetoxy-propionyl-3-isopropyl-2, 4-dioxodeoa-hydroquinzaoline.)
- DEET N, N-diethyl-m-toluamide
- Dibromochloropropane 1, 2-dibromo-3-chloropropane
- Dicamba 3, 6-dichloro-2-methoxybenzoic acid
- Dichlorbenil 2, 6-diclorobanza nitrile
- Dichlofenthion O-(2, 4-dichlorophenyl) O, O-diethylPhosphorothioate
- Dichlone 2, 3-dichloro-1, 4-naphthoquinanone
- Dicoloropropane 1, 3-dichloropropane
- Dicloran 2, 6-dichloro-4-nitroaniline
- Dicofol 2, 2, 2-trichloro-1, 1-di-(4chlorophenyl) Ethanol
- Dicrotophos Dimethyl phosphate ester with (E)-3-Hydroxy-N, N-dimethyl-cis-crotonamide Dimethyl phosphate
- 2, 4-DB 4-(2, 4-Dichlorophenoxy) butyric acid
- Difenphos (Abate) O, O, O\*, O\*-Tetrpmethyl O, O\*-thiodi-p-Phenylene phosphorothiaote
- Dikar A blend of Ditghane M-45 and Tech. Karathane
- Dimas (Alar) N-dimethylamino succinic acid
- Dinocap Mixture of 4 and 5 parts of 2, 4-dinitro-6-Octophyany crotonates to 2 parts of the isomer of 2, 6 dinitro-4-octyl phenyl crotonates.
- Dinoseb 4-dinitro-6-s-butylphenol
- Dinoseb acetate 2, 4-dinitro-6-5-butyl phenol acetate

- Dioxathion S-S-1, 4-dioxane-2, 3-ylidene (bis, (o, o-diethyl) phos phosphorothio-thionate
- Diphacinene 2-diphenylacetyl 1, 3 indanediene
- Diphenamid N N-dimethyl-2, 2-diphenylacetamide
- Disulfoton-Diethyl s-1(2-2thylthio) ethyl )phosphorothiothionate
- Diuron N\*-3, 4-dicholorophenyl) NN-dimethyl urea
- DMPA O-(2, 4-dicholorophenyl) O\* methyl N-isopropyl)-phosphoroamidithicate
- Dodine Didecylguanidine-monoacetate
- Dodomorph 4-Cyclododeeeyl-2, 6-Dimethyl-Morpholine
- Drat (Chlorophacinone) 2-(a-Chlophenyl-a-pheylacetyl) indane \*1, 3-dione
- DSMA(Disodiun methanearsonate)
- Dursban- O, O-diethyl )-(3,5, 6-trichloro-2 pyridyl) Phosphorothioate
- Dusting Sulphur
- Ediphenphos O-ethyl-s, s-diphenyl-dithiophosphate
- Endosulfan 6,7,8,9,10, 10-hexachloro-1, 5, 5a, 6,9, 6a hexahydro-6, 9-methano-2, 4 3-benzo
- (e)- ,dioxatheiepin-3-oxide
- Endothall 7-oxabicyclo (2, 2, 1)-heptane-2, 3-dicarboxylate
- EPTC S-ethyl-dipropylthiocarbamate
- Erobn 2-(2, 4, 5-trichlorophenoxy) methyl 2, 2-dicholoropionate
- Ethion Tetraethyl SS; methylene his phosphorothioate
- Ethrel 2-chloroethane phosphonic acid
- Fenac Sodium 2, 3, 6-tricholorophenylacetate
- Fenazeflor Phenyl, 5, 6-dichloro-2-triflouromethyl benzimidazole-1-carboxylate
- Fenitrothion dimethyl 3-methyl-4-nitrophenyl phosphorothioate
- Fensulfothion diethyl 4-(methyl sulphinyl) phenyl phosphorothionate
- Fentinacetate triphenyltin acetate
- Fentin chloride triphenyltin chloride
- Fentin hydroxide triphenyltin hydroxide
- Folex SSS-Tributyl phosphorotrithioate
- Formethion S-(N-formethylcarbamoyl methyl) OO-dimethyl phosphorodithioate
- Fonofos (Dyfonate) O-ethol-s-phenyl ethyl phosphorodithioate
- Fujithion O, O-Dimethyl-s-Parachlorophenyl phosphorothis
- Gibberellins Gibberellic acid
- Herban 3-(5, 3-a, 4, 5, 6, 7, 8, 8-a-hexahydro-4, 7-methanoindanyl)-1, 1-dimethul urea
- Indole Acetic and Butyric Acids Indole Acetic Acid, Indole Butric acid

- Ioxynil (Pantrol) 3, 5-di-iodo-4-hydroxy benzethitrile
- Isobenzan 1, 3, 4, 5, 6, 7, 7, 7-Octachloro 1, 3, 3a, 4, 7, 7a-hexahydro-4, 7, methanois olbenzofuran
- Isononuron N; (hexahydro-4, 7, -methanoindan-lyl-) NN dimethyl urea
- Kitazin O-O-Di-isopropyl-s-Benzyle thiophosphate
- Lenacil 3-cyclohexyl-5, 6-trimethylenuracil
- Linuron N-(3, 4-dichlorophenyl)-N-methoxy-N-methyl urea
- Lucel 5, 6, 7, 8-tetrachloroquinoxaline
- Machete (Butachlor) (2-chloro-2, 6, -diethyl-N-(Butoxymethyl)-acetanilide)
- M. C. P. B. 4 (4-Chloro-2-methylphenoxy) butyric acid
- Menazon S-(4-6-diamino-1, 3, 5-triazin-2-yl methyl) dimethyl=phosphorothiolotionate
- Methamidophos O-S-dimethylester amide of thiophosphoric acid
- Metam Sodium N-methyldithiocarbamic acid
- Methomyl S-methyl N-(methylolcarbamyloxy) thioacetimidate
- Methylmetiram Ammonium complex with Zn-(N\*, N-1, 2-propylenebis-(dithiocarbamate and N\*, N\*-Poly-1, 2-propylene-bis (Thiocarbamoyl)-disulphide
- Metiram Ammonium complex with Zn-(N\*, N-1 2-Ethylenebis, (dithiocarbamate) and N-N-Poly-1, 2-propylene-bi (Thiocarbamoyl)-di-sulphide
- Metoxuron N (3-chloro-4-methoxyphenyl)-N, N-demethyl urea
- MIPCIN 2-incorpylphenyl-N-methyl carbamate
- Menap O-ethyl S, S-dipropyl phosphordithioate
- Molinate S-ethyl-N-hexaphydro-I Hazepinuthiol-carbamate
- Monocrotophos 3-hydroxy-N-methyl-crotonamide dimethyl phosphate
- Monolinuron N-(4-chlorophenyl N-Methoxy-N-methyl urea
- MSMA Monosodium methaearsonate
- Neled 1, 2, dibromo-2, 2-dichloroethyl dimethyl phosphate
- Naphthylacetic acid Naphthylacetic acid and its derivations
- Naburon 1-Butyl-3-(3, 4-dichlorophenyl)-1-methyl urea
- Nemafos Thiozimid O, O-diethyl C-2 pyrazinyl phosphorothioate
- Neopyanmin 3, 4, 5, 6-tetrahydro-phthalimidomethyl chrysauthamate
- Nickel Chloride Nickel Chloride
- Nitrofen 2, 4-dichlorophenyl 4- nitrophenyl ether
- Omethotae dimethyl 8-(n-methyl-carbamoyl methyl) phosphorothioate
- Orthane O, S-Dimethyl N-acetyl phospho-ramidothioate
- Oxapyrazon (5-bromo-1, 6-dihydro-6-oxo-1-phenyl-4-pyridazinyl Oxamicacid-compound with 2 dimethyl aminoethanol (1 & 1)

- Oxycarboxin (DCMCD) 5, 6, dihydro-2-methyl-1, 4-oxathin-3-carboxanilide 4, 4-dioxide
- Paraquat 1, 1-pimethyal-4, 4-bipyridyliumion
- Pebulate 1, Propyl-butyl-ethlocarbamate
- Phenthoate S-aethoxycarbonylbanzyl-O, O-dimethyl phosphore rodithioate
- Phorate diethyl S-(ethylthizemethyl) phospho-mthiolithicate
- Phosalone S (6-echtoro-2-oxabenzoxolin-3yl) methyl-O, O-diethyl-phosphorothioate
- Phosphamidon 2-chloro-2-diethylcar bamoyl-I-methyl vinyl dimethyl Phosphate
- Phosphorus paste Phosphorus paste
- Phosmet (Imidan) O, O-dimethyl-S-phtballimide-methyphos-phorodithioate
- Phosvel (Leptophos) Pheynlglyoxylonitrite oxime O-O diethyl phosphorothioate
- Picloram 4-amino-3, 5, 6, trichloroplocolinic acid
- Plictran Tricyclohexyl tinhydroxide derivatives
- Pronamide (Kerb) 3, 5-dichloro-N (1, -dimethyl-2 propynyl) benexamide
- Propanil 3, 4, -dichloropropionanilide
- Propargite (Omite) Prop-2-ynyl phenoxy)-eycohexyl sulphite
- Propineb O-Isoproposyphenylmethyl carbamate
- Prynachlor O-N-butyn-(1) y; Choloroacetanilide
- Pyracarbolid 2-methyl-5, 6-dihydro-4-H-pyran-3-carboxylic anilde
- Pyrazan (PCA) 5-amino-4-chloro-2-phenyl-3-pyridazone
- Quinalphos O, O-diethyl quinoxalin-2-yl phosphorothioate
- Rabicide 4, 5, 6, 7, -tetrachlorophalide
- Ro-Neet S-ethyl N-ethyl-N-cyclohexyl-thiocarbamate
- Ronnel O, O-Dimethyl (O-2, 4, 5-trichlorophenyl) phosphorothioate 4-421 Octachlorodipropyl ether
- Sclex 3, -(3, 5-dichlorophenyl)-5, 5-deimethyl oxazo-lidinedione 2, 4
- Simazine 2-Chloro-4, 6-bis (ethylamine) s-trazine
- Sindone A 1,1,4-dimethyl-4,6-di-isopropyl-indanyl ethyl ketone
- Sindone B 1,1,4-dimethyl-4, 6-di-isopropyl-5-indanyl ethyl ketone
- Sirmate 3, 4-and 2, 3-Dicholobenzyl N-methyl carbamate
- Swep methyl 3, 4 dichlorocarbanilate
- Tar Acid Complex phenolic compounds or tar oil or creosotes
- Travron G 2,2,2-trichlorethyl stryrene
- Tecnazene 1,2,4,5-tetrachloro-3-nitrobenzenes
- Terbacil 3-t-butyl-5 chloro-methyluracil

- Tetrachlorvinphos (Gardona) 2-chloro 1-(2,4,4-trichlorophenyl) vinyl dimethyl phosphate
- Tetram O, O-Diethyl S-2 diethylamino ethyl phosphorothioate hydrogen oxalate 2,4,5-TB 4-(2, 4, 5-trichlorocophenoxyl) \*butyric acid
- Thiadizinthion (Terracur) 5-Carboxymethyl-methyl-2 H-1, 3, 5 thiadiazin 2 thione
- Thiophanate-M 1, 2-di-(3-methoxy-carbonyl-2 thiouried) benzene
- Tranid exo-3-chloro-endo-6-cyano-2 norborman O-Ene-l-Methyl-carbamoyl oxime
- Triallate S-2, 2, 3-Trichloroallyl dis-lopopylthic-carbamate
- Tridemorph 2,6-dimethyl-4-tridecyl morpholone
- Tunic 2,(3, S-dichlorophenyl)-4-methyl lm 2, 4-oxadiazolinine-3, 5, dione
- Udonkor N-(beta-cyanothyl) monochloroacetamide
- Vamidothion O, O-dimethyl-s-2-1, methyl-8-carbamoyl ethylthio ethgyl) phosphorothioate
- Vegetta Ethylene thiuram monosulphide
- Vomzlate S-propyl NN-dipropyl thiolcarbamate
- Zetran 4-dimethylamino-3, 5-xyle-N-methylcarbamate
- Basagram 3-isopropyl-1H-2, 3-benzathiadixin 4-(3H)-one, 2-2dioxide
- Basalin N-2-chloressthyll) N-propyl-trifhcoro 2, 6, dinitro-p-toultidine
- Bavistin 2-(methoxy-carbamoyl) \*benzimidazole
- Campogram M 2,5-dimethyl furan 3-carbanic acid anillide and 320 gms og(Zinc)
- Trifluralin 2,6-dinitro-N N-dipropyl-4-triflouromethyl aniline
- Flumeturon N-(3-trifluro-methylphenyl)-N\*N\*-dimethyl urea
- Metabromuron N-(P-bromophenyl)-N\*-methyl-N-methoxy urea
- Mancozeb Zinc Manganese ethylene-bis-dithiocarbamate
- Methabenzthiazuron 1,3-Dimethyl-3 (2, benzothiozoiyl)-urea
- Streptomycin
- Tetracyclines
- Terbuteryne 2-tert, butylamino 4-ethylamino-6-methylio, S-triazine)
- Glusophosate [N-1(Phosphonomethyl) glycine] present as isoprophylamine salt]
- Bacillus thuringlensis
- Benthicarb S-(4-chlorobenzyl)-N, N-diethylthiol carbamate
- Cypermethrin x-cyano-3-phenoxybenzyl-2, 2-dimethyl-3-(2-dichlorovinyl) cyclopropane carboxylate
- Decamethrin (S)-x-cyano-m-phenoxybenzyl (IR-3R) 3-(2, 2-dibromovinyl) dimethyl cyclopropane carboxylate
- Fenvalerate x-cyano-m-phenoxybenzyl-x-isspropyl-pchlorphynel-acetate

- Permethrin 3-phenoxy benzyl (cis-trans-3-(2, 2-dischlorvinyl)2, 2, dimethyl-cyclopropane carboxylate
- Tetrachloroisophthalonitrile 1,2,4 Trichloro-3, 5-dinitrobenzene.]
- Bromophos 0-(4 bromo 2, 5 dichlorophenyl) OO-dimethyl phosphorothioate
- Bromobhes ethyl 0-(4 Bromo 2, 5dichlorophenyl) OO-di-ethyl phosphorothioate
- Cartap 1, 3-di (carmolythio) 2-dimethyl-aminopropane
- Dichloprophen (Antiphen) 5, 5-dichloro 2, 2, dihydroxy diphenyl methane
- Dinobuton Isopropyl-2 (1-methyl-n-propyl) 4, 6-dintrophenyl carbonate
- Dithianon 2, 3-dicyano-1, 4-dithia=antharquin-one
- Ehyl formate Thyl formate
- Fenfuram 2-methyl-furan 3 carboxanilide
- Glyphosine N, N-bis (Phosphonomethyl) glycine
- Guazatine 1, 17-diguanidino-9-azahepta decane
- Isofanphos O-ethyl-o-(2-ispropoposy-carbonyl) phenyl isopropyl phosphoramidothioate
- Isoprofuron N, n-dimethyl-N-4-isopropyl phenyl urea
- Magnesium phosphide Magnesium phosphide
- Matribuzin 4-amino-6-tort, butyl-3 (methykl thio, 1,2,4 triazine-5-(4H) one
- Triforine 1, 4-tridzon-1-yl)-2-butanone
- Triforine 1, 4,-di (2, 2, 2-trichloro-1-formami doethyl) piperazine
- Vacor N-3 pyridyl methyl-N-p-nitrophenyl urea]
- Amitraz 2-methyl-1,3-di (2-4xyly-limino) 2-azapropane
- Bendiocarb -2,2-dimethylbenzo-2,3-dioxon 4-ylmentyl carbamate
- Benzoylpropethyl - ethyl N-benzoul-N-(3, 4-dichlorophenyl) DL alaninate.
- Cyanazine - 2-(4-chloro-6-ethylamino-1, 3, 5-trianzin- 2-ylamino)-2-methyl propionitrile.
- Etrimofos- O-(6ethhoxy-2-ethyl-4pyrimidinyl) O,O-dimethyl phosphrothioate
- Glyodin - 2-heptadecyl-3, 4-dihydro-1, H-imidazolyl acetate.
- Oxadiazon - 3-(2,4-dichloro-5-(1-methylethoxy) phenyl)-5 (1,1-demethylethyl)-1, 3, 4-oxadiazol-2 (3H)-one.
- Oxyfluorfen - 2-Choloro-1-(3-ethoxy-4-nitrophinoxyl 4-trifluormethyl) benzene.
- Propetamphos - (E)-O-2, isopropoxycarbonyl-1 methyl vinyl-O-methyl ethlyphosphoramidothiote.
- Scilliroside - 3-B, 6B-6-acetyloxy-3 (B-D-glucophyranosylozy)8, 14-dihyroxu bufa-1-20,22, trinolide.
- Thiocyclam (hydrogenoxalate)- N, N-dimethyl-1, 23-trithian-5-amine hydrogenoxalate.
- Viclozolin - 3-(3, 5-dichlofopheny)-5-ethenly-5-methyl-2, 4-oxazolodinedione.

- Benodanil- 2-Iodo-N-phenylbenzamide.
- Diclofopmethyl- 2-(4-(2, 4-dichlorophenoxy) phenoxy)- propanoic acid.
- Metalaxyl - methyl-(2-methoxyacetyl)-N-(2,6-xylyl)-DL-alaninate.
- Pendimethalin - N-(1-ethyl propyl)-3, 4-dimethyl 2, 6-dinitrobenzeneamin.
- Fosetyl aluminium - Aluminium tris (ethyl-phosphonate)
- Thiabendazole - 2(4-Thiazoloyl)-benzimidazole.
- Butrizol- 4-n-butyl-4H-1, 2, 4-triazole.
- TCMTB - 2-(Thiocynomethyl-thio) benzothiazole.
- Bromadiolone - 3,3,4-bromol 1-biphenyl-4, Y-3 hydroxy-1-phenyl propyl-4, hydroxy-2 H-1 benzopyran-2 one.)<sup>1</sup>
- Flucythrinate RS-Cyano-3-3Phenoxy benzyle (s) 2-(4-difluoromethoxy phenyl)-methylbutyrate
- Triazophos - 0, 0-diethyl 0-1 phenyl-1, 2,4 triazol-3- ylphosphorothioate
- Trazophos O, O-diethyl 0-1-phenyl-1, 2, 4 triazol-3- ylphosphorothioate
- Diflbenzuron 1, (4-chlorophenyl)-3 (2) , 6-difluorobenzoyl urea
- Bitertanol B-(1-, 1-biphenyl) 4 yloxy)-1, (1, 1 dimethyl ethyl-l, 1, 2-triazole \*l-ethanol
- Sethoxydim 2, 1(ethoxyimine) butyl-5 (2-ethylthopropyl)-3-hydroxy 2-cyclohexen-1-one
- Brodifaccum 2-(2(4-bromobiphenyl-4-yl) 1,2,3,4, tetrahydro 1-naphtyl) 4-hydroxyeoumarin
- Methoprene Isopropyl (2E, 4E 11-Methoxy-3, 7-11 trimethyl-2, 4-didecadienotate.]
- Isoprothiolane Diesopropyl-1, 3-ditholan-2yl-idenemalenate
- Carbosulfan (2, 3-dihydro-2, 2-dimethyl-7-benzofuranyl (dibutylamine, thio) methyl carbamate
- Prochloraz N-propyl-N-2-(2, 4, 6, trichlorophenoxy) ethyl, imidazole-1-carboxamide
- Methacrifos 0-2 methoxycarbonylprop 1-enyl-0, 0, dimethyl-phosphorothioate
- Chloroluron 3(3-chloro-p-tolyl-1, 1-dimethylurea.
- Probenazole 3-allyloxy 1, 2-benzothiazol-1, 1-dioxide.
- Tau Fluvalinate (RS)-d-cyano-3 phenoxybenzyl( R) \*2(2)-Chloro-4-trifluoromethyl-aniline) \*3 methyl butanoate.
- DEPA N-diethyl-phenyl acetamide
- Fenprothrin -d Cyano-3 Phenoxybenzyl, 2, 2, 3, 3, 3-tetramethyl-1-cyclopropane-Carboxylate
- Phenothrin 3 phenoxybenzyl (IRS)-cis-trans-chrysanthemate
- Kasugamycin 5-amino-2-methyl-6-(2, 3, 4, 5 ,6-pentahydroxy-cyclohexyl) tetrahydropyran-3-yl) amino-a-iminoacetate-acid

- Amidine Hydrazone -Tetrahydro-5, 5-dimethyl 2 (1-H) pyrimidinone-3 4(trifluoromethyl) phenyl (1-(2,4 trifluoromethyl) phenyl (ethenyl-2-propenylidene) hydrazone
- Anilofos S N(4-chloro-phenyl) (N-isopropyl-carbomoyl-methyl] O, O-dimethyl-dithiophosphate
- A herbal extract containing diallyl disulphide, Allyl propyl disulphide and Allyl isothiocyanate, diallyl disulphide, Allyl propyl disulphide and allyl isothiocyanate.
- Phenamiphos Ethyl 4-methylthio-m-tolyl
- Fenamiphos isopropylphosphoramidate
- Ametryne N-ethyl \*N<sup>1</sup> 1-(methylethyl) 6-(methylthio)-1, 3, 5-triazine-2, 4-diamine
- Prometyne N, N-1bis (1-methylethyl(6-(methylthio)-1, 3-5-triazine 2, 4-diamine
- Fluazifop RS: 2-(495 trifluoromethyl-2-pyridyloxy phenoxy), proppionic acid.
- Boric acid- Ortho boric acid
- Bromopropylate - Isopropyl 4, 4' dibromobenzilate
- Resmethrin- 5-benzyl-3-furylmentyl (IRS, 3RS, 1RS, 3SR)-2-dimethyl-3-(2-methylprop-1-enyl), cyclopropanecarboxylate.
- Azamethiphos - S-6 Chloro-2, 3-dihydro-2oxo-oxazole -b) pyridine-3- ylmethyl C, O-dimethyl ph-phorohioate.
- Metolochlor - 2-Chloro-6'-ethyl-N-(2-methoxyl-1-methylethlty) acet-o-toluidide.
- Vadilamycina - IL-1,3, 4/2, 6)-2,3-dihydroxy-6-hydroxymethyl-4-(IS, 4R,5S, 63)-4,5,6 trihydroxy 3-hydroxy-methylcy-clohex-2-enylamino) cyclohexy 1-BD-gluco-pyrianoside.
- Haloxyfop methyl - Methyl 2-(4)(3-chloro-5- (trifluoromethyl-2-pyridinyl) oxy)phenoxy) propanoate.
- Pimaricin - (8E,14E,16E,18E,20E) 1s,3R,5S,7S,12R,24R,25S,26R,-22(3amino-3-6-dideoxy-B-D-mannopyrano-syloxy-1,3,26-trihydroxy-12-mwthylo-10-0x0-6,11,28-trioxatrcyclo (22,3-1-05.7)oc-tac0sa-8,14,16,18,20-pentaene-25-carboxylic acid.
- Cyhalothrin- (RS) 1-cyano-3-phenoxybenzyl (z)-(1RS,3RS)-(2-choloros-3,3-trifluoropropenyl)-2,2-domethylcyclopropane-carboxylate.
- Cholecalcirerol-9,10-seocholesta-5,7,10(10)-trein-3 beteol;activate-7-dehydrochosterol.
- Tolclofos,methyl-O-(2,6-Dichloro-4 mehtyl-phenyl) O,O-dimethyl phosphorothioate.
- Piperophos-S-2-methylpiperidinocarbonyl-methyl-O,O-dipropylphosphorodithicate..
- Chlorpyiphos-methyl O,O-demethyl O-3,5,6-Trichloro-Pyrideylphosphoro-thioate.

**G. S. R. 858 (E) dated 12<sup>th</sup> August, 1988** \* In exercise of the powers conferred by sub-clause (ii) of Cl \* of Sec 3 of the Insecticides Act, 1968 (46 of 1968), the Central

Government, after consultation with the Central Insecticides Board hereby includes the following substances in the Schedule to the said Act, namely: -

1. Cypermethrin: (SIR-Cis-and R-IS (IUPAC) (S) \*alphacyano-3-phenoxybenzyl-Cis-isomer) (Alphamethrin) (IR,3R) -(2, 2-dichlorovinyl-2, 2-dimethyl 2-dimethyl cyclopropane Carboxylate & (R) \*alpha-cyano-3-phenoxybenzyl (IS, 3S)-3-cyclopropane carboxylate
2. Benfuracarb: (IUPAC) Ethyl N-2, 3-dihydro-2, 2-dimethyl benzofuron-7-yl oxycarbon-yl (methyl)
3. Cyphenothrin: (IUPAC) (RS)-0-cyano-3-phenoxybenzyl (IR)-Cis, trans-chrysanthemate
4. Cyfluthrin : (IUPAC) Cyano-(4-fluro-3-phenoxyphenyl)-methyl-3-2 (2, 2-dichloroethenyl) 2, 2-dimethyl-cyclopropane carboxylate
5. Dimethazone : (IUPAC) 2-(2-chlorophenyl) 4-4-dimethyl-3-isoxazolidinone)
6. Dienochlor : (IUPAC) Perchloro-1,1-bicyclopenta-2,4-dience.
7. Ephofenprox: 2-(4-ethoxyphenyl)2-methylpropyl-3-phenoxybenzyl ether.
8. Flocoumafen :4-hydroxy-3-(1, 2, 3, 4,-tetrahydro-3-(4-4-trifluoromethyl benzyloxy) = (phenyl) \*1-naphthyl) coumarin)
9. Fenarimol : (IUPAC) (+/-) \*2, 40dichloro-alpha-(Pyrimidin-5-yl) benzhydryl alcohol.
10. Fluroxypyr (IUPAC): 4-0amino-3, 5-dichloro-6-fluro-2-pyridyloxy acetic acid
11. Flufenoxuron : 1-(4-2-chloro-4-(trifluoro-methyl) phenoxy-2-flourophenyl) 3(2-6-difluorobenzoyl) urea
12. Filept (IUPAC): N-(trichloromethylthio)phthalimide.
13. Clopyralid: (IUPAC) 3, 6-dichloropyridine-2-crboxylic acid
14. Myglobutanil :(IUPAC) 2-P-Chlorophenyl 2-(1H-1, 2,4- triazol-1-yl-methyl) hoxaneritriale

15. Methedathion: S-2, 3-dihydro-5-methoxy-2-oxo-1, 3, 4-thiadiazol-3-yl-methyl 0-0 dimethyl phosphorodithioate.
16. Oxadixyl : (IUPAC) 2-methoxy-N-(2-oxo-1, 3-oxazolidin-3 yl) acet-2, 6-ylidide
17. Penconazole : (IUPAC) 1(2, 4-dichloro-b -propylphenethyl)-1 H-1, 2, 4, -triazole
18. Pretilachlor : (IUPAC) 2-chloro-2, 6-diethyl-N(2-propoxyethyl) acetanilide
19. Prallethrin : RS-2-methyl-3-(2-propynyl) 4-oxocyclopent-2-enyl (IR)-cis, trans-chly-santhemat
20. Puridate : (IUPAC) 6-chloro-3-phenyl pyridazine-4-yl S-octyl thiocarbonate
21. Pyroolulion : (IUPAC) 1, 2, 5, 6-tetrahydropyrrolo (3, 2, 1-I-j) quinolon-4-one
22. Pyridaphenthion : O, O-diethyl 2,3-dihydro-3-Oxm-2-phenyl-6- pyridazinyl-
23. phosphorothioate
24. Sulprofos : (IUPAC) O-ethyl O-4 (methylthio) phenyl S-propyl phosphorodithioate
25. Sebuphos : S, S-di-sec-butyl O-ethyl phosphorodithioate
26. Thriadimenol : (IUPAC) I-(4-chloro-phenoxy)-3, 3-dimethyl-1-yl) butan-2-ol
27. Tricyclazole ; (IUPAC) 5-methyl-1, 2, 4-triazole (3,4-b) (1, 3) benzothiazole
28. Tridiphane : (IUPAC) (RS)-2-(3, (IUPAC) (RS) -, (3, 5-dizhlor phenyl), 2-2, 2, -, trichloroethyl oxirane

G.S.R. 577 (E), dated 26th August, 1993 :- In exercise of the powers conferred by sub-clause (ii) of Cl(e) of the Insecticide Act, 1968 (46 of 1968) the Central Government after consultation with the Central Insecticide Board, hereby includes the following sub stances in the Schedule to the said Act, namely :-

1. Blasticidin 'S' : 1-(4-amino-1, 2-dihydro-2-ox-opyrimidin -1-yl)-4 (S)-3- amino-5 (1-methylguanidino) valermido) 1,2,3,4-tetradeoxy-D-erythro-hex-2-enopyranuronic acid.

2. Difethialone : ((Bromo-4-(bipheny-1-1)-yl-4)<sup>3</sup> tetrahydro-1,2,3,4-naphthyl-1)<sup>3</sup> hydroxy-4,2H-1benzophenyl)-2.
3. Imazalil MAGNATE : Allyl 1-(2,4-d-chlorophenyl)-2-imidazol-1-ylethyl ether.
4. Naproanilide : 2-(2.napthyoxy)propionanilide
5. Phenothiol : S-ethyl(4-chloro-o-tolyloxy)thiacetate
6. Terbufos : S-(1,1-dimethylethylthio)methyl)O,-)di-ethyl phosphorodithicate. or S-tert-butyl thiomethyl-O,-)diethyl phosphorodithicate.
7. Butocarboxim : 3-(methyl thio\_-O-((methyl amino) carbonyl)oxime-2 butanone.
8. Imidacloprid: 1- (6-Chloro-3-pyridinyl) -methyl) -N-nitroimidazo l-idin -2-ylideneamine.
9. Piroxofop Propinyl : 2-propynyl(R)-2 (4-(5-chloro-3-fluoro-2- pyridinyloxy -phenoxy -propionate.

G.S.R. 730 (E), dated 30th October 1995 - In exercise of the powers conferred by sub-clause (ii) of Cl. (e) of Sec. 3 of the Insecticides Act, 1968 (46 of 1968), the Central Government, after consultation with the Central Insecticides Board, hereby includes the following sub-stances in the Schedule to the said Act, namely:-

Common Name	Chemical Name
AMIDOSULFURON	3-(4,6-di-methoxy ptrimidin- 2-yl) -1 -(N-methyl- N-methyl -sulphonyl -amino-sulphonyl) urea.
BROMUCONAZOLE	(4-bromo 2-(2, 4-dichlofophenyl) tetrahydro-2- furanyl) methyl)-1H-1, 2, 4-triazole.
CLOEFETEZINE	3,6-bis (2-chlorophenyenyl)-1,2,4,5-tetrazine.
DIFENZOQUAT METHYL SULPHATE	1,2-dimethyl 3,5-diphenyl-pyrazol methyl sulphate
PIPRONIL	(±) 5-amino-1-(2,6 dichloro-a,a,a triflup-toly) -4-triluoro-methylsulfinyl pyraorezole-3-Carbonitrile tetrazine.
LACTOFEN	1-(Carboethoxy) ethyl 5-(-2-chloro-4-(trifluoro- methyl) phenixy)-2-nitribenzoate.
PROPOOMOCARB HYDROCHLORIDE	Propyl 3-(dimethylamine) propylcarbomate hydrochloride.
SILAFLUOFEN	(3-(4-fluoro-3-phenoxy-phenyl)-propyl) (mimetnyl)-silane.
TEBUCONAZOLE	Alpha-tert-butyl-alpha-(para- chteloro phenathyl)-1H01, 2, 4-triazole -1-ethanol.
TRIFLUMIZOLE	(E)-4 Chlora -a,a,a, -trifluore-N-

	(1-H-imidazol-1-yl)-2-prepoxyethylidone)
ETHOXYSULFURON	IUPAC : 3-(4, 6-dimethoxypyrimidin-2-yl) -1-(2-ethoxyphenoxy sulfonyl) Urea".

**G.S.R. 10 (E), dated 3rd January, 1996 :- In exercise of the powers conferred by sub-clause (ii) of Cl (e) of Section 3 of the Insecticide Act, 1968 (46 of 1968), the Central Government, after consultation with the Central Insecticide Board, hereby includes the following substances in the Schedule to the said Act, namely:-**

Common Name	Chemical Name
1) Abamectin (Vertimac)	Mixture of a Avermectins (Abamectin: a mixture containing a minimum of 80% avermectin B, a (5-0- demethyl avermectin A, a) and a maximum of 20% avermectin B, b (5-0 demethyl-25-de-( 1-methyl propyl) -25-(1-methylethyl) avermectin A,a)
2) Ancymidol	O(-Cyclopropyl-4-methoxy-(pyrimidi ,n,5,yl) benzyl alcohol
3) Bifenox	Methyl-5-(2,4-dichlorophenoxy)-2- nitrobenzoate.
4) Butralin	N-SEC_butyl-4-tert-butyl-2, 6-dinitiroaniline
5) Chlorphonium chloride	Tributyl (2,4-dichloro-benzyl) phosphonium.
6) Daminozide	N-dimethylaminosuccinamic acid
7) Demeton-Methyl	S-2-ethylthioethyl O, O-di-methylphosphorothioate (IUPAC)
8) Dichloroprop	(+) -2-(2, 4-dichlorophenoxy) Propionic acid (IUPAC)
9) Fludioxonil	4- (2,2-difluoro benzo (1,3) dioxol-4-yl), 1 H-pyrrole-3-Carbonitrile
10) HL ROPE	ZZ/EZ-7, 11-Hexzdecadien -1-YL-Acetate Z-11-Hexadecenal Z-9 Hexaadecenal
11) HL ROPE	Z-11-Hexadecenal Z-9 Hexaadecenal
12) Z-11-Hexadecenal	Z-11-16-AL + Z-11-16AC
13) Lufenuron	(RS)-1-(2, 5-dichloro-4-(1, 1,2,3,3,3, hexefluoropoxy) - Phenyl)-3-(2,6-difluorobenzyl)-Urea.
14) Metamitron	4-Amino-4,5 dihydro-3-Methyl-6-phenyl-1,2,3-triazin -5-one (IUPAC)
15) Dodemorph (Meltatox)	4-Cyclododecyl-2, 6-dimethyl-morpholine-1,
16) Mopiquate chloride	1-dimethyl- piperidinium
17) naproamide	(RS)-N, N, diethyl-2-(A-Naphthoxy) propionamide
18) Oxadiargyl	5-tert-butyl-1-3-(2, 4-dichloro-5-propargyloxyphenyl) -1,3,4, oxadiazol-2 (3H)-one

	(IUPAC)
19) Phenmedipham	methyl 3-(3-methyl carbaniloyloxy) carbanilate (IUPAC)
20) Pymetrozine	6-methyl-4-((pyridin-3-yl methylene)-amino)-4,5-dihydro- 1-2, 4- triazin-3 (2H)-One.
21) Propyzamide	3,5-dichloro-N-(1,1-dimethylpropynyl) benzamide (IUPAC)
22) PB-ROPEL	ZZ/EZ-7, 11-Hexadecadien-1 YL-Acetate
23) Paclobutrazol	(2RS, 3 RS)-1-(4-Chlorophenyl-4, 4-dimethyl-2-(1H-1, 2,4-triazol-1-yl) pentan-3-ol
24) Triacontanol	1- triacontanol
25) Thiourea (Thiocarbamide)	Thiourea
26) Triflumizole	(E)-4-Chloro-1, a-trifluoro-N- (1H-imidazol-1-yl) -2-propoxyethylidene-O-toluidine (IUPAC)
27) Triticonazole	(1RS)-(E)-5-(4-chlorophenyl) methylene)-2, 2-dimethyl- 1- (1H-1-, 2,4-triazole-1-yl-,methyl) cyclopentan-1-ol.
28) Uniconzole	(E)-1-(RS)-1-(4-chlorophenyl)-4, 4-dimethyl 1-2-(1H-1, 2,4-triazol-1-yl)pent-1-en-3-ol.

**S. O. 378 (E) dated the 26<sup>th</sup> May, 1989**

Whereas, with a view to reviewing the continued use in India of pesticides that are either banned or restricted for use in other countries, the Government of India, had set up an Expert Committee.

Now, therefore, after considering the recommendations of the said Expert Committee, and in consultation with the Registration Committee, set up under the Insecticides Act, 1968, the Central Government, in exercise of the powers conferred on it, under sub-section (2) of Sec. 27 read with Sec. 28 of the Insecticides Act, 1968, hereby passes the following order :

1. The use of DDT in agriculture is hereby withdrawn. In very special circumstances warranting the use of DDT for plant protection work, the State or Central Government may purchase it directly from Messrs. Hindustan Insecticides Limited, to be used under expert Governmental supervision.
2. The use of DDT for the public health programmes to 10000 MTs per annum, except in case of any major outbreak of epidemic is hereby restricted.
3. The Central Government further orders that the registration certificates issued by the Registration Committee to various registrants under Sec. 9 of the said Act shall stand modified / cancelled to give effect to this order.
4. It is also ordered that all the holders of the registration certificates for manufacture and import of DDT should return their registration certificate to the Secretary, Registration Committee, Directorate of Plant Protection, Quarantine and Storage, NH-IV Faridabad (Haryana) by the 15<sup>th</sup> June, 1989.

5. However, non-endorsement / correction of the registration certificates will not be taken as permission / approval to operate upon original certificate of registration in contravention of the provisions of this order.
6. Certificates not submitted by the due date shall be deemed to have been cancelled.

**S. O. 569 (E) dated the 25<sup>th</sup> July, 1998**

Whereas the Government of India had set up an Expert Committee with a view to reviewing the continued use in India of pesticides that are either banned or restricted for use in other countries.

Now, therefore, after considering the recommendations of the said Expert Committee, and in consultation with the Registration Committee, set up under the Insecticides Act, 1968, the Central Government, in exercise of the powers conferred on it, under sub-section (2) of Sec. 27 read with Sec. 28 of the Insecticides Act, 1968, hereby passes the following order :

1. Chlorobenzilate is hereby banned for use in agriculture. If required it can be imported by Government / Semi-Government organisations and prepared folbex strips for making it available to be keepers for controlling mites of honeybees.
2. Dibromo-Chloropropane (DBPC) is hereby banned and the registration certificates issued by the Registration Committee to various registrants shall stand cancelled.
3. Toxaphene (Camphechlor) is hereby banned and the registration certificates issued by the Registration Committee to various registrants shall be cancelled.
4. The use of Sodium Cyanide shall be restricted for fumigation of cotton bales by Plant Protection Adviser to the Government of India under expert supervision.
5. Penta-Chloro-Nitor-benzene (PCNB) is hereby banned and the registration certificates issued by the Registration Committee to various registrants shall stand cancelled
6. Captafol shall be used only as seed dresser. Its use as foliar spray is hereby banned.
7. All the holders of the registration certificates for manufacture and import of these insecticides should return their registration certificates to the Secretary, Registration Committee, Directorate of PP, Q&S, NH-IV Faridabad (Haryana) by the 31<sup>st</sup> July, 1989.
8. Non-endorsement or correction of the registration certificates will not be taken as permission or approval to operate upon original certificate of registration in contravention of the provisions of this order.
9. Certificates not submitted by the due date shall be deemed to have been cancelled.

**S.O.507 (E) dated, 8th June, 1995:-**

In exercise of the powers conferred by sub-section (2) of Sec.27 of the Insecticide ACT, 1968 (46 OF 1968), proposes to, pass the following orders, namely :-

1. the manufacture, import, and use of Copper Acetoarsenite, Ethyl Mercury Chloride, Sodium Methane Arsonate (SMA), Calcium Cyanide and Menazon, shall be prohibited in India;

2. The Registration Certificates issued by the Registration Committee to various persons under Sec.9 of the said Act in respect of the said insecticides shall be deemed to have been cancelled and the validity of the manufacturing licenses issued to them by the Licensing Officers shall stand expired.

The proposed orders are hereby published for information of all holders of Certificates of Registration/Manufacturing Licenses of the said insecticides and other persons likely to be affected thereby, and notice is hereby given inviting their objections or suggestions if any in respect of the said orders which shall be taken into consideration for final notification or otherwise on or after the expiry of a period of 45 days from the date on which the copies of the Gazette in which this notification is published are made available to the public;

Any objections or suggestions which may be received with respect to the said orders before the expiry of the period specified above shall be duly considered by the Central Government;

Objections or suggestions, if any, may be addressed to the Joint Secretary (Plant Protection), Ministry of Agriculture, (Department of Agriculture and Co-operation) Krishi Bhawan, New Delhi-110 001.

**(PUBLISHED IN PART II, SECTION 3, SUB-SECTION (i) OF**

**THE GAZETTE OF INDIA, EXTRAORDINARY)**

**Government of India  
Ministry of Agriculture  
(Department of Agriculture & Cooperation)**

**NOTIFICATION**

In exercise of the Powers conferred by sub clause (i) & (ii) of clause (e) of Section 3 of the Insecticides Act, 1968 (46 of 1968), the Central Government hereby reconstitutes the Schedule of the said Act as under:-

**THE SCHEDULE**

**[See Sec. 3(e)]**

**LIST OF INSECTICIDES**

**(UPDATED ON 30-10-2016)**

**\*\* Added originally with the Insecticide Act, 1968**

<b>Sl. No.</b>	<b>Common Name</b>	<b>Chemical/Scientific name</b>
1.	Acrylonitrile	acrylonitrile
2.	Aldrin	1R, 4S, 4aS, 5S, 8R, 8aR)-(1,2,3,4,10, 10-hexachloro-1, 4, 4a, 5, 8, 8a-hexahydro-1, 4, 5, 8-dimethanonaphthalene
3.	Allethrin (Allethrin[(1R)-isomer])	(RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl(1R, 3R, 1R, 3S)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate
4.	Aluminium Phosphide	aluminium phosphide
5.	Amiton	S-2-diethylaminoethyl O,O-diethyl phosphorothioate
6.	Antu	1-(1-naphthyl)-2-thiourea
7.	Aramite	2-(4-tert-butylphenoxy)-1-methylethyl 2-chloroethyl sulfite
8.	Barium Carbonate	barium carbonate
9.	Barium Fluoro Silicate	barium fluoro silicate
10.	BHC	(benzene hexachloride) (1,2,3,4,5,6-hexachlorocyclohexane (mixed isomers)
11.	Bis-dimethylamino Flourophosphine Oxide	bis-dimethylamino flourophosphine oxide
12.	Calcium Arsenate	calcium arsenate

13.	Calicum Cyanide	calcium cyanide
14.	Captan	N-(trichloromethylthio) cyclohex-4-ene,1,2-dicarboximide
15.	Carbaryl	1-naphthylmethyl carbamate
16.	Carbon disulphide	carbon disulphide
17.	Carbon tetrachloride	carbon tetrachloride
18.	Chlorbenside	4-chlorobenzyl-4-chlorophenyl sulfide
19.	Simazine (Chlorobis (ethylamino)triazine)	6-chloro-N <sup>2</sup> N <sup>4</sup> -diethyl-1,3,5-triazine-2,4-diamine
20.	Chlordane	1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methanoindene
21.	Chlorobenzilate	ethyl 4,4-dichlorobenzilate
22.	Chlorothion	O-3-chloro-4-nitrophenyl O,O-dimethyl phosphorothioate
23.	Chlorpropham (chloro IPC)	isopropyl 3-chlorocarbanilate
24.	Chloropicrin	trichloronitro methane
25.	chlorfenson	4-chlorophenyl-4-chlorobenzenesulfonate
26.	Carbophenothion (Trithion)	S-4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate
27.	Chlorpropham (IPC)	isopropyl 3-chlorocarbanilate
28.	Monuron (CMU)	3-(4-chlorophenyl)-1,1-dimethyl urea
29.	Copper arsenate	copper arsenate
30.	Copper cyanide	copper cyanide
31.	Copper napthanate	copper napthanate
32.	Copper sulphate	copper sulphate
33.	Coumachlor	3-[1-(4-chlorophenyl)-3-oxobutyl]-4-hydroxycoumarin
34.	Copper oxychloride	copper oxychloride
35.	Cuprous oxide	copper (I) oxide
36.	Dalapon	2, 2, dichloropropionic acid
37.	D-D mixture	1,2-dichloropropane with 1,3-dichloropropene
38.	TDE (DDD)	1,1-dichloro-2, 2-bis(4-chlorophenyl) ethane
39.	DDT	1,1,1-trichloro-2,2-bis(4-chlorophenyl) ethane
40.	Dichlorvos (DDVP)	2,2-dichlorovinyl dimethyl phosphate
41.	Demeton-O	O,O-diethyl O-2-ethylthioethyl phosphorothioate
42.	Demeton-S	-diethyl S-2-ethyl thioethyl phophorothioate
43.	Diazinon	O,O-diethyl-O-2-isopropyl-6-methyl pyrimidin-4-yl-phosphorothioate
44.	Naled (Dibrom)	(1,2-dibromo-2,2-dichloroethyl dimethyl phosphate)
45.	2,4-D	(2,4-dichlorophenoxy) acetic acid

46.	Dieldrin	1R,4S,4aS, SR, 6R, 7S, 8S, 8aR)-1,2,3,4,10,10-hexachloro 1,4,4a,5,6,7,8,8a-octachydro-6,7-epoxy-1,4:5,8-dimethano naphthalene
47.	Dimethoate	O,O-dimethyl S-methyl carbamoylmethyl phosphorodithioate
48.	Trichlorfon (Dipterex)	dimethyl 2,2,2-trichloro-1-hydroxyethylphosphonate
49.	DNOC	4-6-dinitro-o-cresol
50.	EDCT mixture	1,2-dichloroethane carbontelra chloride mixture
51.	Thiometon (Ekatir)	S-2-ethyl thioethyl-O,O-dimethyl phosphorodithioate
52.	Endrin	(1R, 4S, 4aS, 5S, 6S, 7R, 8R, 8aR)-1,2,3,4,10,10-hexachloro-1,4,4a,5,6,7,8,8a-octahydro-6,7-epoxy-1,4,5,8 dimethanonaphthalene
53.	EPN	O-ethylO-4-nitriphenyl phenyl phosphonothioate
54.	Ethoxy ethyl mercuric chloride	ethoxy ethyl mercuric chloride
55.	EPTC (Eptam)	5-ethyl dipropyl thiocarbamate
56.	Ethyl mercury phosphate	ethyl mercury phosphate
57.	Ethyl mercury chloride	ethyl mercury chloride
58.	Ethylene dibromide	1,2-dibromoethane
59.	Ethylene dichloride	1,2-dichloroethane
60.	Fenson	4-chlorophenyl benzene suphonate
61.	Fenthion	O,O-dimethyl O-4-,methylthio-m-tolyl phosphorothiaote
62.	Ferbam	iron tris(dimethyldithiocarbamate)
63.	Azinphos-methyl (Gusathion M)	S-3,4-dihydro-4-oxobenzo[d]-[1,2,3]-triazin-3-ylmethyl) O,O dimethyl phosphorodithioate
64.	Heptachlor	1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene
65.	TEPP (HETP)	tetraethyl pyrophosphate
66.	Hexachlorobenzene	hexachloro benzene
67.	Hydrogen cyanide	hydrogen cyanide
68.	Hydrogen phosphide	phosphine
69.	Lead arsenate	lead arsenate
70.	Calcium polysulfide (Lime sulfur)	calcium polysulfide
71.	gamma-HCH (lindane)	gamma-isomer of 1,2,3,4,5,6-hexachlorocyclohexane
72.	Malathion	diethyl (dimethoxy thiophosphoryl thio)succinate
73.	Maleic hydrazide	6-hydroxy-2H pyridazin -3-one

74.	Maneb	manganese ethylene bis(dithiocarbamate) (polymeric)
75.	MCPA	(4-chloro-2-methylphenoxy) acetic acid)
76.	Mercurious chloride	mercury (I) chloride
77.	Metaldehyde	r-2,c-4,c-6,c-8-tetramethyl-1,3,5,7-tetroxocane
78.	Oxydemeton-methyl (Metasytox R)	S-2-ethylsulfinylethyl O,O-dimethyl phosphorothioate
79.	Methoxychlor	1,1,1-trichloro-2,2-bis (4-methoxyphenyl)ethane
80.	Methoxy ethyl mercury chloride	methoxy ethyl mercury chloride
81.	Methyl bromide	Bromomethane
82.	Demeton-S-methyl (Methyl demeton)	S-2-ethylthioethyl O,O-dimethyl phosphorothioate
83.	Methyl Mercury Chloride	methyl mercury chloride
84.	Parathion methyl (Methyl parathion)	O,O-dimethyl O-4-nitrophenyl phosphorothioate
85.	Metox	
86.	Nabam	disodium ethylene bis(dithiocarbamate)
87.	Nicotine sulfate	(S)-3-(1-methyl pyrrolidin-2-yl)pyridine-sulfate
88.	Schradan (Octa methyl pyrophosphoramide)	Octamethyl pyrophosphonic tetra-amide
89.	Para-dichloro benzene	para-dichlorobenzene
90.	Parathion	O,O-diethyl-O-4-nitrophenyl phosphorothioate
91.	Copper aceto arsenate (Paris Green)	copper aceto arsenite
92.	Quintozene (Pentachloronitrobenzene, PCNB)	pentachloronitrobenzene
93.	Pentachlorophenol	pentachlorophenol
94.	Phenyl mercury acetate	phenylmercury acetate
95.	Phenyl mercury chloride	phenyl mercury chloride
96.	Phenyl mercury urea	phenyl mercury urea
97.	Mevinphos (Phosdrine)	2-methoxycarbonyl-1-methylvinyl dimethyl phosphate
98.	Phosmet (Phthalimidomethyl, Imidan)	O,O-dimethyl-S-phthalimidomethyl phosphoro dithioate
99.	Piperonyl butoxide	5-[2-(2-butoxyethoxy)ethoxymethyl]-6-propyl-1,3-benzodioxole
100.	Pindone (Pival)	2-pivaloylindan-1,3-dione
101.	Potassium cyanide	potassium cyanide
102.	Pebulate (Tillam)	S-propyl butyl (ethyl) thiocarbamate

103.	Pyrethrins (Pyrethrum)	For pyrethrin 1 -- (Z)-(S)-2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl(1R)-trans-2,2-dimethyl-3-(2-methyl prop-1-enyl) cyclopropanecarboxylate  For cinerin 1 --(Z)-(S)-3-(but-2-enyl)-2-methyl-4-oxocyclopent-zenyl(1R) -trans-2,2-dimethyl-3-(2-methylprop-1-enyl)-cyclopropanecarboxilate  For Jasmolin 1 -- (Z)-(S)-2-methyl - 4-oxo-3-(pent-2-enyl)cyclopent-2-enyl (1R)-trans-2,2-dimethyl-3-(2-methylprop-1-enyl) cyclopropanecarboxylate
104.	Rotenone	(2R, 6aS, 12aS)-1,2,6,6a,12,12a-hexahydro-2-isopropenyl-8,9-dimethoxy chromeno [3,4-furo[2,3-h]chromen-6-one
105.	Ryanodine (Ryania)	(2S, 3S 4R, 4aS, 5S, 5aS, 8S, 9R, 9aR, 9bR)-2,3,4a,5a,9,9b-hexahydro-3-isopropyl-2a,5,8,-trimethylperhydro-2,5-metho benzo [1,2]pentaleno [1,6-bc]furan-4-yl pyrrole-2-carboxylate.
106.	Sodium fluoroacetate	sodium fluoroacetate
107.	Sodium cyanide	sodium cyanide
108.	Sodium hexafluorosilicate (Sodium fluosilicate)	disodium hexafluorosilicate
109.	Sulfur	sulfur
110.	Strychnine	strychnidin-10-one
111.	Sulfoxide	2-(1,3-benzodioxol-5-yl)ethyl octyl sulfoxide
112.	TCA	trichloro acetic acid sodium and ammonium salts
113.	Tetradifon (Tedion)	4-chlorophenyl 2,4,5-trichlorophenyl sulfone
114.	TEPP	tetraethyl pyrophosphate
115.	Tetrachloro-p-benzoquinone	tetra chloro-p-benzoquinone
116.	Iso bornyl thiocynoacetate (Thanite)	exo- 1,7,7-trimethyl bicyclo [2.2.1] hept-2-yl thiocyanatoacetate
117.	Thiram	bis(dimethyl thiocarbamoyl)disulphide <b>OR</b> Tetramethylthiuram dimethyl
118.	Tolyl mercury acetate	tolyl mercury acetate
119.	Trichlorphon	dimethyl 2,2,2-trichloro-1-hydroxy ethyl phosphonate
120.	Triorthocresyl phosphate	triortho cresyl phosphate
121.	Thallium sulphate	thallium sulphate
122.	Thiometon	S-2-ethylthioethyl O,O-dimethyl phosphorodithioate

123.	Camphechlor (Toxaphene)	A reaction mixture of chlorinated camphenes containing 67-69% chlorine
124.	2,4,5-T (Trichlorophenoxy acetic acid)	(2,4,5-trichlorophenoxy)acetic acid
125.	Warfarin	(RS)-4-hydroxy-3-(3-oxo-1-phenylbutyl)coumarin
126.	Zinc Phosphide	zinc phosphide
127.	Zimet	
128.	Zineb	zinc ethylene bis-(dithiocarbamate) (polymeric)
129.	Ziram	zinc bis (dimethyl dithiocarbamate)
130.	Zulate	
<b>**Added vide Notification No. GSR 9(E) * dated 09/01/74</b>		
131.	Acrolein	prop-2-enal
132.	Pirimiphos-methyl (Actellic)	O-2-diethylamino-6-methylpyrimidin-4-yl O, O-dimethyl phosphorothioate
133.	Pyrazophos (Afugan)	ethyl 2-diethoxyphosphinothioxyloxy-5-methyl pyrazolo[1,5-a]pyrimidine- 6-carboxylate
134.	Alachlor	2-Chloro-2',6'-diethyl-N-methoxymethyl-acetanilide
135.	Aldicarb	2-methyl-2-(methylthio)propionaldehyde O- methylcarbamoyl oxime
136.	Amidithion	S-(N-2-methoxyethylcarbamoylmethyl) 0,0-dimethyl phosphorodithioate
137.	Amitrole	1H-1,2,4-triazol-3-ylamine
138.	Ammonium sulfamate	ammonium sulfamidate
139.	Asulam	methyl sulfanilyl carbamates
140.	Atrazine	6-chloro-N <sup>2</sup> -ethyl-N <sup>4</sup> -isopropyl-1,3,5-triazine-2,4-diamine
141.	Aureofungin	Aureofungin
142.	Azinphos-ethyl	S-(3,4-dihydro-4-oxobenzo-[d]-[1,2,3]-triazin-3- ylmethyl)0,0-diethyl phosphorodithioate
143.	Barban	4-chlorobut-2-ynyl 3-chlorocarbanilate
144.	Barium Polysulfide	barium polysulfide
145.	Bentazone (Basagran)	3-isopropyl-I H-2,1,3-benzothiadiazin-4(3,H)-one 2,2- dioxide
146.	Fluchloralin (Basalin)	N-(2-chloroethyl)- a,a,a -trifluoro-2,6-dinitro-N-propyl-p- toluidine
147.	Fenobucarb (Bassa)	2-sec-butylphenyl methylcarbamate
148.	Carbendazim (Bavistin)	methylbenzimidazol-2-ylcarbamate
149.	Chlorofenethol (BCPE)	1,1-bis(4-chlorophenyl) ethanol

150.	Benomyl	methyl 1-(butylacarbamoyl)benzimidazol-2-ylcarbamate
151.	Bensulide	S-2-benzenesulphonamidoethyl O,O-diisopropyl phosphorodithioate
152.	Binapacryl	2-sec-butyl-4,6-dinitro phenyl-3-methylcrotonate
153.	Bromacil	5-bromo-6-methyl-3-(1-methylpropyl)-2,4 (1H, 3H)- pyrimidinedione
154.	Bromoxynil	3,5-dibromo-4-hydroxybenzonitrile
155.	Brompyrazon	5-amino-4-bromo-2-phenylpyridazin -3-(2H)-one
156	Brozone	methyl bromide and chloropicrin in petroleum solvent
157	Buturon	3-(4-chlorophenyl)-1-methyl-1-1-methyl prop-2- ynyl)urea
158.	Butylate	S-ethyl-di-isobutylthiocarbamate
159.	Bufencarb (Bux)	Mixture of 3-(1-methylbutyl) phenyl methylcarbamate and 3- (1-ethylpropyl) phenyl methylcarbamate
160.	Cadmium based compounds	cadmium chloride, cadmium sulphate, cadmium succinate
161.	Campogram M	2,5-dimethyl-furan 3-carbonic acid anilide and 320 gm scg (Zink)
162.	Captafol	N-(1,1,2,2-tetrachloroethylthio) cyclohex-4-ene-1,2- dicarboximide
163.	Carbofuran	2,3-dihydro-2,2-dimethyl benzofuran-7-yl methylcarbamate
164.	Carbophenothion	S-4-chlorophenylthiomethyl-O,O-diethyl phosphorodithioate
165.	Carboxin (DCMO)	5,6-dihydro-2-methyl-1,4-oxathi-ine-3-carboxanilide
166.	Chinomethionat	S,S-(6-methylquinoxaline-2,3-diyl) dithiocarbonate
167.	Chloramben	3-amino-2,5-dichlorobenzonic acid
168.	Chlorbufam (BIPC)	1-methylprop-2-ynyl-3-chlorocarbanilate
169.	Chlorfenvinphos	2-chloro-1-(2,4-dichlorophenyl)vinyl diethylphosphate
170.	Chlormequat Chloride	2-chloroethyltrimethylammonium chloride
171.	Chloroneb	1,4-dichloro-2,5-dimethoxybenzene
172.	Chloroxuron	3-[4-(4-Chlorophenoxy) phenyl]-1,1-dimethylurea
173.	Chlorpropane	Chloropropane
174.	Citicide	Chlorinated terpenes
175.	Citowett	alkylarylpolglykol ether
176.	Niclosamide-olamine (Clonitralid)	2',5-dichloro-4' nitrosalicylanilideolamine
177.	Copper Hydroxide	Copper hydroxide
178.	Coumafuryl	3-[1-(2-furyl)-3-oxobutyl]-4-hydroxycoumarin

179.	Coumaphos	O-3-Chloro-4-methyl-2-oxo-2H-chromen-7-yl O,O-diethyl phosphorothioate
180.	Coumatetralyl	4-hydroxy-3-(1,2,3,4-tetrahydro-1-naphthyl)coumarin
181.	Coyden	3,5-dichloro-6-dimethyl-4-pyridinol
182.	Chlorfensulphide (CPAS)	4-chlorophenyl 2,4,5-trichlorophenylazosulphide
183.	Cyclomoph	N-Cyclodecyl-2,6-dimethyl-morpholinacetate
184.	Cycluron (COMU)	3-cyclo-octyl-1,1-dimethyl urea
185.	Mephosfolan (Cytrolane)	diethyl 4-methyl-1,3-dithiolan-2-ylidene phosphoramidate
186.	2,4-DB	4-(2,4-dichlorophenoxy)butyric acid
187.	Diethyltoluamide (DEET)	N,N-diethyl-m-toluamide
188.	DMPA	O-2,4-dichlorophenyl O-methyl-isopropylphosphoramidothioate
189.	DSMA (methylarsonic acid)	disodium methylarsonate
190.	Decarbofuran	2,3-dihydro-2-methylbenzofuran-7-yl-methylcarbamate
191.	Decazolin	1-(alpha,alpha-dimethyl-beta-acetoxypropionyl-3-isopropyl-2,4-dioxodecahydroquinazoline
192.	Dibromochloropropane	1,2-dibromo-3-chloropropane
193.	Dicamba	3,6-dichloro-o-anisic acid
194.	Dichlobenil	2,6-dichlorobenzonitrile
195.	Dichofenthion	O-2, 4-dichlorophenyl O,O-diethyl phosphorothioate
196.	Dichlone	2,3-dichloro-1,4-naphthoquinone
197.	Dichloropropane	1,2-dichloropropane
198.	Dicloran	2,6-dichloro-4-nitroaniline
199.	Dicofol	2,2,2-trichloro-1,1-bis(4-chlorophenyl)ethanol
200.	Dicrotophos	(E)-2-dimethyl carbamoyl-1-methylvinyl dimethyl phosphate
201.	Temephos (Difenphos, Abate)	O,O,O',O'-tetramethyl O,O'-thiodi-p-phenylene (phosphorothioate)
202.	Dikar	A blend of mancozeb (Dithane M-45) and Tech. Karathane
203.	Daminozide (Alar)	N-dimethylamino succinamic acid
204.	Dinocap	2,6-dinitro-4-octylphenyl crotonates and 2,4-dinitro-6-octyl phenyl crotonates in which 'octyl' is a mixture of 1-methyl heptyl, 1-ethylhexyl and 1-propylpentyl groups
205.	Dinoseb	2-sec-butyl-4,6-dinitrophenol
206.	Dinoseb acetate	2-sec-butyl-4,6-dinitriphenyl acetate
207.	Dioxathion	S,S'-(1,4-dioxane-2,3-diyl) O,O,O',O'-tetraethyl bis

		phosphosphorodithioate
208.	Diphacinone	2-(diphenylacetyl)indan-1, 3-dione
209.	Diphenamid	N,N-dimethyldiphenylacetamide
210.	Disulfoton	O,O-diethyl S-2-ethylthioethyl phosphorodithioate
211.	Diuron	3-(3,4-dichlorophenyl)-1,1-dimethylurea
212.	Dodine	1-dodecylguanidini imiacetate
213.	Dodemorph	4-cyclododecyl-2,6-dimethylmorpholine
214.	Chlorophacinone (Drat)	2-[2-(4-chlorophenyl)-2-phenylacetyl] indan-1,3-dione
215.	Chlorpyrifos (Dursban)	O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate
216.	Dusting Sulfur	sulfur
217.	Edifenphos	O-ethyl-S, S'-diphenyl phosphorodithioate
218.	Endosulfan	(1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylene bismethylene ) sulfite
219.	Endothal	7-oxabicyclo [2,2,1] heptane-2,3-dicarboxylic acid
220.	EPTC	S-ethyldipropylthiocarbamate
221.	Erbon	2-(2,4,5-trichlorophenoxy)ethyl 2,2-dichloropropionate
222.	Ethion	O,O,O'-tetraethyl S,S'-methylene bis (phosphorodithioate)
223.	Ethephon (Ethrel)	2-chloroethylphosphonic acid
224.	Chlorfenac; Chlorfenac-sodium (Fenac)	(2,3,6-trichlorophenyl) acetic acid
225.	Fenazaflor	phenyl 5,6-dichloro-2-trifluoromethyl benzimidazole-1-carboxylate
226.	Fenitrothion	O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate
227.	Fensulfothion	O,O-diethyl O-4-methylsulfinylphenyl phosphorothioate
228.	Fentin chloride	triphenyltin (IV) chloride
229.	Fentin hydroxide	triphenyltin (IV) hydroxide
230.	Fentin acetate	triphenyltin (IV) acetate
231.	Fluometuron	1,1-dimethyl-3-(a, a, a-m-tolyl) urea
232.	Tributyl phosphorotrithioite (Folex)	tributyl phosphorotrithioite
233.	Fonofos (Dyfonate)	O-ethyl S-phenyl(RS)-ethyl phosphonodithioate
234.	Formothion	S-[formyl (methyl) carbamoylmethyl] O,O-dimethyl phosphorodithioate
235.	Fujithion	S-(p-chlorophenyl) O,O-dimethyl phosphorothioate
236.	Gibberellic acid (Gibberellins)	3S, 3aS, 4S, 4aS, 7S, 9aR, 9bR, 12S)-7,12-dihydroxy-3-methyl-6-methylene-2-oxo perhydro-4a, 7-methano-9b, 3-propeno

		[1,2-b] furan-4-carboxylic acid
237.	Noruron (Herban)	1,1-dimethyl-3-(perhydro-4,7 methanoinden-5-yl) urea
238.	Indol-3-ylacetic acid and 4-indol 3-ylbutyric acid	Indol-3-ylacetic, 4-indol-3-ylbutyric acid
239.	Ioxynil	4-hydroxy-3,5-di-iodobenzonitrile
240.	Isobenzan	1,3,4,5,6,7,8,8-Octachloro-1,3,3a,4,7,7a-hexahydro-4,7-methanoisobenzofuran
241.	Isonoruron	1,1-dimethyl-3-(perhydro-4,7-methanoinden-1-yl)urea
242.	Isoprocab	2-isopropylphenyl methylcarbamate
243.	EBP (Kitazin)	S-benzyl-O,O-diethyl-phosphorothioate
244.	Lenacil	3-cyclohexyl-1,5,6,7-tetrahydrocyclopentapyrimidine - 2,4 (3H)-dione
245.	Linuron	3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea
246.	Chlorquinox (Lucel)	5,6,7,8-tetrachloroquinoxaline
247.	MSMA	sodium hydrogen methyl arsonate
248.	Butachlor (Machete)	N-butoxymethyl-2-chloro-2', 6'-diethyl-acetanilidie
249.	Mancozeb	manganese ethylenebis (dithiocarbamate) (polymeric ) complex with zinc salt
250.	Menap	O-ethyl S,S-dipropyl phosphordithioate
251.	Menazon	S-4,6-diamino-1,3,5-triazin-2-ylmethyl O,O-dimethyl phosphorodithioate
252.	Metbromuron	N-(p-bromophenyl)-N'-methyl-N'methoxyurea
253.	Metam-Sodium	methyl dithiocarbamic acid
254.	Methamidophos	O,S-dimethyl phosphoramidothioate
255.	Methomyl	S-methyl-N-(methylcarbamoyloxy) thioacetimidate
256.	Methylmetiram	ammoinium complex with Zn-(N' N-1, 2-propylenebis-(dithiocarbamate) and N'N'-Poly-1,2-propylenebis-(thiocarbamoyl)-di-sulphide
257.	Metiram	zinc ammoniate ethylene bis (dithiocarbamate)- poly (ethylenethiuram disulphide)
258.	Metoxuron	3-(3-chloro-4-methoxyphenyl)-1,1 dimethylurea
259.	Mevinphos	2-methoxycarbonyl-1-methylvinyl dimethyl phosphate
260.	MCPB	4-(4-chloro-o-tolyloxy)butyric acid
261.	Molinate	S-ethylperhydroazepin-1-thiocarboxylate
262.	Monocrotophos	dimethyl (E)-1-methyl-2-(methylcarbamoyl) vinyl phosphate
263.	Monolinuron	3-(4-chlorophenyl)-1-methoxy-1-methylurea

264.	Naphthylacetic acid	1-naphthyl acetic acid
265.	Neburon	1-butyl-3-(3,4-dichlorophenyl)-1-methylurea
266.	Naled	1,2-dibromo-2,2-dichloroethyl dimethyl phosphate
267.	Thionazin (Nemafos)	O,O-diethyl O-pyrazin-2-yl-phosphorothioate
268.	Tetramethrin (Neo-Pynamin)	cyclohex-1-ene-1, 2-dicarboximidomethyl (1RS, 3RS; 1RS, 3SR)-2, 2-dimethyl-3-(2-methylprop-1-enyl) cyclopropanecarboxylate
269.	Nickel chloride	nickel chloride
270.	Nitrofen	2,4-dichlorophenyl 4-nitrophenyl ether
271.	Omethoate	O,O-dimethyl S-methylcarbamoylmethyl phosphorothioate
272.	Acephate (Orthene)	O,S-dimethyl acetylphosphoramidothioate
273.	Oxapyrazon	5-bromo-1,6-dihydro-6-oxo-1-phenyl-pyridazin-4-yloxamic acid
274.	Oxycarboxin (DCMCD)	5,6-dihydro-2-methyl-1,4-oxathi-ine-3-carboxanilide-4,4-dioxide
275.	Paraquat	1,1'-dimethyl-4,4'-bipyridinediium
276.	Pebulate	S-propyl butyl (ethyl) thiocarbamate
277.	Phenthoate	S-???-ethoxycarbonylbenzyl O, O-dimethyl phosphorodithioate
278.	Phorate	O,O-diethyl S-ethylthiomethyl phosphorodithioate
279.	Phosalone	S-6-chloro-2,3-dihydro-2-oxobenzoxazol -3-ylmethyl O,O-diethyl - phosphorodithioate
280.	Phosmet	O,O-dimethyl S-phthalimidomethyl phosphorodithioate
281.	Phosphamidon	2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate
282.	Phosphorous Paste	Phosphorus Paste
283.	Leptophos (Phosvel)	O-4-bromo-2,5-dichlorophenyl O-methylphenyl phosphonothioate
284.	Phoxim	O,O-diethyl a-cyanobenzyl ideneamino-oxy phosphonothioate
285.	Picloram	4-amino-3,5,6-trichloropicolinic acid
286.	Cyhexatin (Plictran)	tricyclohexyltin hydroxide
287.	Propyzamide (Pronamide, Kerb)	3,5-dichloro-N-(1,1-dimethylpropynyl) benzamide
288.	Propanil	3',4'-dichloropropionanilide
289.	Propargite (Omite)	2-(4-tert-butyl phenoxy) cyclohexyl prop-2-ynyl sulfite
290.	Propineb	polymeric zinc propylenebis (dithiocarbamate)
291.	Propoxur	2-isopropoxyphenyl methylcarbamate

292.	Prynachlor	2-chloro-N-(1-methylprop-2-ynyl) acetanilide
293.	Pyracarbolid	3,4-dihydro-6-methyl-2H-pyran-5-carboxanilide
294.	Chloridazon (Pyrazon, PCA)	5-amino-4-chloro-2-phenyl-pyridazin-3(2H)-one
295.	Quinalphos	O, O-diethyl O-quinoxalin-2-yl phosphorothioate
296.	Phthalide (Rabicide)	4,5,6,7-tetrachlorophthalide
297.	Cycloate (Ro-Neet)	S-ethyl N-cyclo hexyl (N-ethyl) thiocarbamate
298.	Fenclorphos (Ronnel)	O,O-dimethyl O-(2,4,5-trichlorophenyl) phosphorothioate
299.	S 421	bis(2,3,3,3-tetrachloropropyl) ether
300.	Dichlozoline (Selex)	3-(3, 5-dichlorophenyl)-5,5-dimethyl-1,3-oxazolidine 2,4-dione
301.	Simazine	6-chloro-N <sup>2</sup> , N <sup>4</sup> -diethyl-1,3,5-triazine-2,4-diamine
302.	Sindone A	1,1-dimethyl-4,6-di-isopropyl-indanyl ethyl ketone
303.	Sindone B	1,1,4-trimethyl 4,6-di-isopropyl-5-indanyl ethyl ketone
304.	Sirmate	3,4,2,3-dichlobenzyl N-methyl carbamate
305.	Swep	methyl 3,4 dichlorocarbanilate
306.	Tar oils (Tar Acid)	Tar oils consist mainly of aromatic hydro-carbons, but contain components the 'phenols' or 'tar acids' and nitrogenous bases 'tar bases'
307.	Tavron G	2,2,2-trichloroethyl styrene
308.	2,4,5-TB	4-(2,4,5-trichlorophenoxy) butyric acid
309.	Tecnazene	1,2,4,5-tetrachloro-3-nitrobenzene
310.	Terbacil	3-tert-butyl-5-chloro-6-methyluracil
311.	Tetrachlorvinphos	(Z)-2-chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phosphate
312.	Tetram (amiton)	S-2-diethylaminoethyl O,O-diethyl phosphorothioate
313.	Thiadiazinthion	Tetra hydro-5-methyl-6-thioxo-2H-1,3,5-thia diazen -3yl acetic acid
314.	Thiophanate-methyl	dimethyl 4,4'-(0-phenylene)bis (3-thioallophanate)
315.	Tranid	exo-3-chloro-endo-6-cyano-2 norbornanone O-(methyl carbamoyl) oxime
316.	Triallate	S-2,3,3-trichloroallyl di-isopropyl (thiocarbamate)
317.	Tridemorph	4-alkyl-2,6-dimethyl morpholine
318.	Trifluralin	a, a, a?-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine
319.	Tunic	2-(3,4-dichlorophenyl)-4-methyl-1, 2,4-oxadiazolidine-3,5-dione
320.	CECA (Udonkor)	2-chloro-N (2-cyanoethyl) acetamide

321.	Vamidotion	O,O-dimethyl-S-2-(1-methylcarbamoylethylthio) ethyl phosphorothioate
322.	Etem (Vegita)	ethylenethiuram monosulphide
323.	Vornzlate	S-propyl NN-dipropyl thiolcarbamate
324.	Mexacarbate (Zectran)	4-dimethylamino-3, 5-xylylmethylcarbamate
<b>**Added Vide Notification No. GSR 823 (E) * dated 28/09/74</b>		
325.	Methabenzthiozuron	1-(1,3-benzothiazol-2-yl)-1,3-dimethylurea
<b>**Added Vide Notification No. GSR 200 (E) * dated 29/03/78</b>		
326.	Bacillus species	Bacillus species
327.	Glyphosate	N-(phosphonomethyl) glycine
328.	Streptomycin	O-2-deoxy-2-methylamino-a-L-glucopyranosyl-(1@2-O-5-deoxy-3-C-formyl-a-L-lyxofuranosyl-(1@4)-N <sup>3</sup> , N <sup>3</sup> diamidino -D-streptamine
329.	Terbutryn	N <sup>2</sup> -tert-butyl-N <sup>4</sup> -ethyl-6-methylthio-1,3,5-triazine-2,4-diamine
330.	Tetracycline	4-(dimethyl amino) 1,4,4a,5, 5a, 6, 11, 12 a- octahydro-3,6,10,12,12a-penta hydroxy -6-methyl-1, 11-dioxo-2-naphthacenecarboxamide
<b>** Added vide Notification No. GSR 574 (E) * dated 06/10/79</b>		
331.	Thiobencarb (Benthiocarb)	S-4-chlorobenzyl diethyl thiocarbamate
332.	Cypermethrin	(RS)-a-cyano-3-phenoxybenzyl (1 RS, 3RS; 1RS, 3SR) -3-(2,2-dichlorovinyl)-2,2-dimethyl cyclopropanecarboxylate
333.	Deltamethrin (Decamethrin)	(S)-a-cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate
334.	Fenvalerate	(RS)-a-cyano-3-phenoxybenzyl (RS)-2-(4-chlorophenyl)-3-methylbutyrate
335.	Permethrin	3-phenoxybenzyl (1RS, 3RS; 1RS, 3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate
336.	Tetrachloroisophthalonitrile	1,2,4-trichloro-3, 5-dinitrobenzene.
<b>**Added Vide Notification No. GSR 32 (E) * dated 12/02/80</b>		
337.	Bromophos	O-4 bromo-2,5 dichlorophenyl O,O-dimethyl phosphorothioate
338.	Bromophos ethyl	O-4-bromo-2, 5-dichlorophenyl O,O-diethyl phosphorothioate
339.	Cartap	S, S'-(2-dimethylaminotrimethylene)bis (thiocarbamate)
340.	Dichlorophen (Antiphen)	4,4'-dichloro-2, 2'-methylenediphenol
341.	Dinobuton	2-sec-butyl-4,6-dinitrophenyl isopropyl carbonate
342.	Dithianon	5,10-dihydro-5,10-dioxonaphtho [2,3-b]-1,4-dithiine-2,3-dicarbonitrile

343.	Ethyl Formate	2 sec-butyl -4,6-dinitrophenyl isopropyl carbonate formic acid ethyl ester
344.	Fenfuram	2-methyl-3-furanilide
345.	Glyphosine	N, N-bis (phosphonomethyl)glycine
346.	Iminooctadine (Guazatine)	1,1' iminodi (octamethylene) diguanidine
347.	Isofenphos	O-ethyl O-2-isopropoxycarbonylphenyl N-isopropyl phosphoramidothioate
348.	Isoproturon	3-(4-isopropylphenyl)-1,1dimethyl urea
349.	Magnesium phosphide	magnesium phosphide
350.	Metribuzin	4-amino-6-tert-butyl-4,5-dihydro-3-methylthio-1,2,4-triazin-5-one
351.	Triadimefon	1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1, 2,4-triazol-1-yl)butan-2-one
352.	Triforine	1,1'-piperazine-1,4-diyl di-[N-(2,2,2-trichloroethyl) formamide]
353.	Pyrinuron (Vacor)	1-(4-nitrophenyl)-3-(3-pyridylmethyl) urea
<b>**Added Vide Notification No. GSR 501 (E) * dated 17/07/82</b>		
354.	Amitraz	N-methylbis(2,4-xylyliminomethyl) amine
355.	Bendiocarb	2,2-dimethyl-1,3-benzodioxol 4-yl methylcarbamate
356.	Benodanil	2-iodobezanilide
357.	Benzoylprop-ethyl	N-benzoyl-N-(3,4-dichlorophenyl)-DL-alanine
358.	Bromadiolone	3-[3-(4'-bromobiphenyl-4-yl)-3-hydroxy-1-phenylpropyl]-4-hydroxy coumarin
359.	Triazbutil (Butrizol)	4-butyl-4H-1, 2,4-triazole
360.	Cyanazine	2-(4-chloro-6-ethylamino-1,3,5-triazin-2-ylamino)-2-methylpropiononitrile
361.	Diclofop-methyl	(RS)-2-[4-(2,4-dichlorophenoxy) phenoxy]propinoic acid
362.	Etrifos	O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethyl phosphorothioate
363.	Fosetyl-aluminium	ethyl hydrogen phosphonate-aluminium
364.	Glyodin	2-heptadecyl-2-imidazoline acetate
365.	Metalaxyl	Methyl N-(methoxyacetyl)-N-(2,6-xylil)-DL-alaninate
366.	Oxadiazon	5-tert-butyl-3-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4-oxadiazol-2(3H)-one
367.	Oxyfluorfen	2-choloro-a,a,a-trifluoro-p-tolyl 3-ethoxy-4-nitrophenyl ether
368.	Pendimethalin	N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine
369.	Propetamphos	(E)-O-2-isopropoxycarbonyl-1-methylvinyl O-methyl ethylphosphoramidothioate

370.	Scilliroside	3 b - (b-D-glucopyranosyloxy)-17 b-(2-oxo-2H-pyran-5-yl)-14 b androst-4-ene-6 b, 8,14-triol-6-acetate
371.	TCMTB	2-(thiocyanomethyl-thio)benzothiazole
372.	Thiabendazole	2-(thiazol-4-yl)benzimidazole
373.	Thiocyclam hydrogen oxalate	N,N-dimethyl-1,2,3-trithian-5ylamine hydrogen oxalate
374.	Vinclozolin	(RS)-3-(3,5-dichlorophenyl)-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione
<b>**Added vide notification No. GSR 500(E) * dated 18/06/85</b>		
375.	Bitertanol	1-(biphenyl-4-yloxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)butan-2-ol [20:80 ratio of (1RS, 2RS) and (1RS, 2SR)isomers]
376.	Brodifacoum	3-[3-(4'-bromobiphenyl-4-yl)-1,2,3,4 tetrahydro-1-naphtyl] 4-hydroxycoumarin
377.	Diflubenzuron	1-(4-chlorophenyl)-3-(2,6-difluorobenzoyl) urea
378.	Flucythrinate	(RS)-?-cyano-3-phenoxybenzyl (S)-2-(4-difluoromethoxy-phenyl)-3-methylbutyrate
379	Methoprene	isopropyl (E, E) -(RS)-11-methoxy-3, 7,11-trimethyldodeca-2, 4-dienoate
380.	Sethoxydim	(±)-(EZ)-2-(1-ethoxyiminobutyl)-5[2-(ethylthio)propyl] 3-hydroxycyclohex-2-enone
381.	Triazophos	O,O-diethyl O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate
<b>**Added Vide Notification No. GSR 839 (E) * dated 14/11/85</b>		
382.	Amidine Hydrazone	tetrahydro-5,5-dimethyl-2(1H)-pyrimidinone [3-[4-(trifluoromethyl) phenyl]-1-[2-[4 phenyl) ethenyl-2-propenylidene] hydrazone
383.	Anilofos	S-4-chloro-N-isopropylcarbaniloylmethyl O,O-dimethyl phosphorodithioate
384.	Carbosulfan	2,3-dihydro-2,2-dimethyl benzofuran-7-yl [(dibutylaminothio) methyl carbamate
385.	Chlorotoluron	3-(3-chloro-p-tolyl)-1,1-dimethylurea
386.	DEPA	N-diethyl-phenyl acetamide
387.	Fenpropathrin	(RS)-a cyano-3-phenoxybenzyl-2,2,3,3-tetramethyl cyclopropanecarboxylate
388.	Herbal Extract	Mixture of diallyl disulphide, allyl propyl disulphide and allyl isothiocyanate

389.	Isoprothiolane	di-isopropyl 1,3-dithioalan-2-ylidenemalonate
390.	Kasugamycin	[5-amino-2-methyl-6--(2,3,4,5,6-pentahydroxycyclohexyloxy) tetrahydropyran-3-yl]amino-a-iminoacetic acid hydrochloride hydrate
391.	Methacrifos	(E)-O-2-methoxycarbonylprop-1-enyl O,O-dimethyl phosphorothioate
392.	Phenothrin [(1R)-trans-isomer]	3-phenoxybenzyl (±)-cis-trans-chrysanthemate
393.	Probenazole	3-allyloxy-1,2-benz[d] isothiazol-1,1-dioxide
394.	Prochloraz	N-propyl-N-[2-(2,4,6-trichlorophenoxy) ethyl] -imidazole-1-carboxamide
395.	Tau-fluvalinate	(RS)-a-cyano-3-phenoxybenzyl N-(2-chloro-a, a, a-trifluoro-p-tolyl) -D-valinate
<b>Added Vide Notification No. GSR 31 (E) * dated 15/01/87</b>		
396.	Ametryn	N <sup>2</sup> -ethyl-N <sup>4</sup> -isopropyl-6-methylthio-1,3,5-triazine-2, 4-diamine
397.	Fenamiphos	ethyl 4-methylthio-m-tolyl isopropylphosphoramidate
398.	Fluazifop	(RS)-2-[4-(5-trifluoromethyl-2-pyridyloxy) phenoxy] propionic acid
399.	Prometryn	N <sup>2</sup> , N <sup>4</sup> , -di-isopropyl-6-methylthio-1,3,5-triazine-2, 4-diamine
<b>**Added Vide Notification No. GSR 511 (E) * dated 22/05/87</b>		
400.	Azamethiphos	S-6-chloro-2, 3-dihydro-2-oxo-1,3-oxazolo [4,5-b] pyridin -3-ylmethyl O,O dimethyl phosphorothioate
401.	Boric acid	orthoboric acid
402.	Bromopropylate	isopropyl 4, 4'-dibromobenzilate
403.	Chlorpyriphos-methyl	O, O-dimethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate
404.	Vitamin D <sub>3</sub> (Cholecalciferol)	(3 b, 5Z, 7E)-9,10-secocholesta -5,7,10 (19)-trien-3-ol
405.	Cyhalothin	(RS)-a-cyano-3-phenoxybenzyl (Z)-2 (1RS, 3RS)-3-(2-chloro-3,3,3 trifluoroprenyl)-2,2-dimethyl-cyclopropanecarboxylate
406.	Haloxfop-p-methyl	methyl (R) 2-[4-(3-chloro-5-trifluoromethyl-2-pyridyloxy) phenoxy] propanoate
407.	Metolachlor	2-chloro-6'-ethyl-N-(2-methoxy-1-methylethyl) aceto-o-toluidide

408.	Pimaricin (Natamycin)	(8E, 14E, 16E, 18E, 20E)-(1R, 3S, 5R, 7R, 12R, 22R, 24S, 25R, 26S) -22-(3-amino-3,6-dideoxy-b-D-mannopyranosyloxy)-1,3,26-trihydroxy-12-methyl-10-oxo-6,11,28-trioxatricyclo [22.3.1.0 <sup>5,7</sup> ] octacos-8,14,16,18,20-Pentaene 25-carboxylic acid
409.	Piperophos	S-2-methylpiperidinocarbonylmethyl O,O-dipropylphosphorodithioate
410.	Resmethrin	5-benzyl-3-furylmenthyl (1RS, 3RS; 1RS, 3SR)-2,2-dimethyl-3-(2-methylprop-1-enyl) cyclopropanecarboxilate
411.	Tolclofosmethyl	O-26-dichloro-p-tolyl O,O-dimethyl phos-phorothioate
412.	Validamycin (Validamycin A)	1L-(1,3,4/2,6)-2,3-dihydroxy-6-hydroxymethyl-4-[(1S, 4R 5S, 6S)-4,5,6-trihydroxy-3-hydroxymethylcyclohex-2-enylamino] cyclohexyl b-D-glucopyranoside
<b>**Added vide Notification No. GSR 858 (E) * dated 12/08/88</b>		
413.	Benfuracarb	ethyl N-[2,3-dihydro-2,2-dimethyl benzofuran -7-yloxy carbonyl (methyl) aminothio]-N-isopropyl-b-alaninate
414.	Clopyralid	3,6-dichloropyridine-2-carboxylic acid
415.	Cyfluthrin	(RS)-a-cyano-4-fluro-3-phenoxybenzyl (1RS, 3RS; 1RS, 3SR)-3-(2, 2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate
416.	Alpha-cypermethrin [(S) (1R)-cis-and (R) (1S)-cis- isomer] (Alphamethrin)	A racemate comprising (S)-a-cyano-3-phenoxybenzyl (1R, 3R) 3-(2,2-dichlorovinyl)-2,2-dimethyl cyclopropanecarboxylate and (R)-a-cyano-3-phenoxybenzyl (1S, 3S)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate
417.	Cyphenothrin [ (1R)-trans-isomers]	(RS)-a-cyano-3-phenoxybenzyl (1RS, 3RS; 1RS, 3SR)-2 <sup>2</sup> -dimethyl-3-(2-methylprop-1-enyl) cyclopropanecarboxylate
418.	Dienochlor	perchloro-1,1'-bicyclopenta-2,4-diene
419.	Clomazone (Dimethazone)	2-(2-chlorobenzyl)-4,4-dimethyl-1,2-oxazolidin-3-one
420.	Etofenprox (Ethofenprox)	2-(4-ethoxyphenyl)-2-methylpropyl 3 -phenoxybenzyl ether)
421.	Fenarimol	(±)-2,4'-dichloro-a-(pyrimidin-5-yl) benzhydryl alcohol
422.	Flocoumafen	4-hydroxy-3-[1,2,3,4-tetrahydro-3-[4-(4-trifluoromethylbenzyloxy)-phenyl]-1-naphthyl]coumarin (mixture of cis -and trans-isomers)
423.	Flufenoxuron	1-[4-(2-chloro-a,a,a, trifluoro-p-tolyloxy)-2-fluorophenyl]-3-(2,6-difluorobenzoyl)urea

424.	Fluroxypyr	4-amino-3,5-dichloro-6-fluro-2-pyridyloxyacetic acid
425.	Folpet	N-(trichloromethylthio) pthalimide
426.	Methidathion	S-2,3-dihydro-5-methoxy-2-oxo-1,3,4-thiadizol-3-ylmethyl O, O dimethyl phosphorodithioate
427.	Myclobutanil	2-p-chlorophenyl-2-(1H-1,2,4-triazol-1-ylmethyl) hexanenitrile
428.	Oxadixyl	2-methoxy-N-(2-oxo-1,3-oxazolidin-3-yl) aceto-2', 6'-xylidide
429.	Penconazole	1-(2,4-dichloro-?-propylphenethyl)-1H-1,2,4 triazole
430.	Prallethrin	(S)-2-methyl-4-oxo-3-prop-2-ynylcyclopent-2-enyl (1R)-cis-trans-2 ,2-dimethyl-3-(2-methylprop-1-enyl) cyclopropanecarboxylate
431.	Pretilachlor	2-chloro-2', 6'-diethyl-N-(2-propoxyethyl) acetanilide
432.	Pyridaphenthion	O-(1,6-dihydro-6-oxo-1-phenylpyridazin-3-yl)O,O-diethyl phosphorothioate
433.	Pyridate	6-chloro-3-phenylpyridazin-4-yl S-octyl thiocarboante
434.	Pyroquilon	1,2,5,6-tetrahydropyrrolo [3,2,1-ij] quinolin-4-one
435.	cadusafos (Sebuphos)*	S,Sidi-sec-butyl-O-ethyl phosphorodithioate
	*	Ammended vide notification 744(E) dated 16/11/2004
436.	Sulprofos	O-ethyl O-4-(methylthio)phenyl S-propyl phosphorodithioate
437.	Triadimenol	(1RS, 2RS; 1RS, 2SR)-1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-trizol-1-yl)butan-2-ol
438.	Tricyclazole	5-methyl-1,2,4-triazolo [3,4-b] [1,3]benzothiazole
439.	Tridiphane	(RS)-2-(3,5-dichlorophenyl)-2-(2,2,2-trichloroethyl) oxirane
<b>** Added vide Notification No. GSR 13 (E) * dated 05/01/90</b>		
440.	Ethametsulfuron-methyl	methyl 2-[4-ethoxy-6-methylamino-1,3,5-traizin-2-yl)-carbamoylsulphamoyl]benzoate
441.	Metsulfuron-methyl	methyl 3-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl) amino] carbonyl] amino] sulfonyl] benzoate
442.	Ammonium copper sulphate	ammonium copper sulphate
443.	Benalaxyl	methyl N-phenylacetyl-N-2,6-xylyl-DL-alaninate
444.	Bensulfuron-methyl	Methyl 2-[[[[[(4,6-dimethoxyprimidin-2-yl)-amino]carbonyl]amino] sulfonyl]methyl]benzoate

445.	Bifenthrin [(Z)-(1R)-cis-and (Z)-(1S)-cis-isomers]	2-methylbiphenyl-3-ylmethyl (Z)-(1RS, 3RS)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate
446.	Buprofezin	2-tert-butylimino-3-isopropyl-5-phenyl-1,3,5-thiadiazinan-4-one
447.	Chlorfluazuron	1-[3,5-dichloro-4-(3-chloro-5-trifluomethyl-2-pyridyloxy)phenyl]-3-(2,6-difluorobenzoyl) urea
448.	Chlorimuron-ethyl	ethyl 2-(4--chloro-6-methoxypyrimidin-2-yl carbomoyl sulfonyl) benzoate
449.	Chlorsulfuron	1-(2-chlorophenylsulfonyl)-3--(4-methoxy-6-methyl-1,3,5-triazin-2-yl)urea
450.	Cinmethylin	(1RS, 2SR, 4SR)-1,4-epoxy-p-menth-2-yl 2-methylbenzyl ether
451.	Cinosulfuron	1-(4,6-dimethoxy-1,3,5-triazin-2-yl)-3-[2-(2-methoxyethoxy) phenyl sulfonyl] urea
452.	Cycloxydim	(±)-2-[1-(ethoxyimino)butyl]-3-hydroxy-5-thian-3-yl cyclohex-2-enone
453.	Cymoxanil	1-(2-cyano-2-methoxyiminoacetyl) -3-ethylurea
454.	Cyproconazole	(2RS, 3RS; 2RS, 3SR)-2-(4-chlorophenyl)-3-cyclopropyl-1-(1H-1,2,4-triazol-1-yl) butan-2-ol
455.	Cyromazine	N-cyclopropyl-1,3,5-triazine-2,4,6-triamine
456.	Dazomet	3,5-dimethyl-1,3,5-thiadiazinane-2-thione
457.	Defenfenican	2',4'difluoro-2-a,a,a-trifluoro-m-tolyloxy)-nicatinanilide
458.	Desmetryn	N <sup>2</sup> -isopropyl-N <sup>4</sup> -methyl-6-methylthio-1,3,5-triazine-2,4-diamine
459.	Diafenthiuron	1-tert-butyl-3-(2,6-di-isopropyl-4-phenoxyphenyl)-thiourea
460.	Difenoconazole	cis,trans-3-chloro-4-[4-methyl-2-(1H-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-2-yl] phenyl-4-chlorophenyl ether
461.	Dimethachlor	2-chloro-N-(2-methoxyethyl)aceto-2'6'-xylidide
462.	Dimethomorph	(E,Z)-4-[3-(4-chlorophenyl)-3-(3,4 dimethloxyphenyl) acryloyl] morpholine
463.	Dipropetryn	6-ethylthio-N <sup>2</sup> , N <sup>4</sup> -di-isopropyl-1, 3,5-triazine-2,4-diamine
464.	Diquat & its salt	9, 10-dihydro-8a, 10a-diazoniaphenanthrene
465.	Esfenvalerate	(S)-a-cyano-3-phenoxybenzyl (S)-2-(4-chlorophenyl)-3-methyl butyrate
466.	Ethalfuralin	N-ethyl-a,a,a, trifluoro-N-(2-methylallyl)-2,6-dinitro-p-toluidine

467.	Fenmetralin	N-(2-chloro-6-fluorobenzyl) N-ethyl-a,a,a-trifluoro-2,6-dinitro-p-toludine
468.	Fenoxaprop-P-ethyl	ethyl (R) -2-[4-[(6-chloro-2-benzoxazolyl) oxy] phenoxy] propanoate
469.	Fenpiclonil	4-(2,3-dichlorophenyl) pyrrole-3-carbonitrile
470.	Fluometuron	1,1-dimethyl-3-(a, a, a-triafluoro-m-tolyl) urea
471.	Flutriafol	(RS)-2, 4'-difluoro-a-(1H-1, 2,4-triazol-1-ylmethyl) benzhydryl alcohol
472.	Furathiocarb	butyl 2,3-dihydro-2, 2-dimethyl benzofuran-7-yl-N, N'-dimethyl-N, N'-thiodicarbamate
473.	Furilazole	(RS)-3-dichloroacetyl-5-(2-furyl)-2,2-dimethyloxazolidine
474.	Glufosinate and its salt	ammonium 4-[hydroxy (methyl) phosphinoyl]-DL-homoalaninate
475.	Haloxyfop-etotyl	ethoxyethyl (RS)-2-[4-(3-chloro-5-trifluoromethyl-2-pyridyloxy) phenoxy] propanoate
476.	Hexaconazole	(RS)-2-(2,4-dichlorophenyl)-1-(1H-1,2,4-triazol-1-yl)hexan-2-ol
477.	Hexaflumuron	1-[3,5-dichloro-4-(1,1,2,2-tetra-fluoroethoxy)phenyl]-3-(2,6-difluorobenzoyl)urea
478.	Hexazinone	3-cyclohexyl-6-dimethylamino-1-methyl-1,3,5-triazine-2,4-(1H, 3H)-dione
479.	Imazapyr & its salt (Arsenal)	2-(4-isopropyl-4-methyl-5-oxo-imidazolin-2-yl) nicotinic acid
480.	Imazethapyr & its salt	(RS)-5-ethyl-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl) nicotinic acid
481.	Iprodione	3-(3,5-dichlorophenyl)-N-isopropyl-2,4-dioxomidazolidine-1-carboxamide
482.	Isazofos	O-5-chloro-1-isopropyl-1H-1, 2,4-triazol-3-yl O,O-diethyl phosphorothioate
483.	Metsulfovax	2,4-dimethyl-1,3-thiazole-5-carboxanilide
484.	Metsulfuron	2-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)carbamoylsulfamoyl benzoic acid
485.	Neem products	Neem leaves, Neem oil, Neem seed kernel, Neem cake
486.	Oxamyl	N, N-dimethyl-2-methylcarbamoyl oxyimino-2-(methylthio) acetamide
487.	Profenofos	O-4-bromo-2-chlorophenyl-O-ethyl S-propyl phosphorothioate
488.	Propiconazole	(±)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl

		methyl]- 1H-1,2,4-triazole
489.	Prothoate	O,O-diethyl S-isopropylcarbamoymethyl phosphorodithoate
490.	Pyraclufos	(RS)-[O-1-(4-chlorophenyl)pyrazol-4-yl O-ethyl S-propyl phosphorothioate]
491.	Pyrazosulfuron and Pyrazosulfuron-ethyl	5-(4,6-dimethoxypyrimidin-2-ylcarbamoysulfamoyl)-1- methylpyrazole- 4-carboxylic acid and ethyl 5-(4,6-dimethoxypyridin-2-yl carbamoysulfamoyl)-1-methyl pyrazole -4-carboxylate.
492.	Quinclorac	3,7-dichloroquinoline-8-carboxylic acid
493.	Quizalofop and its salts	(RS)-2-[4-(6-chloroquinoxalin-2-yloxy) phenoxy] propionic acid
494.	Sulfometuron	2-(4, 6-dimethylpyrimidin-2-ylcarbamoysulfamoyl) benzoic acid
495.	Tebuthiuron	1-(5-tert-butyl-1,3,4-thiadiazol-2-yl)-1,3-dimethylurea
496.	Teflubenzuron	1-(3,5-dichloro-2,4-difluorophenyl)-3-(2,6- difluorobenzyl) urea
497.	Terbuthylazine	N <sup>2</sup> -tert-butyl-6-chloro-N <sup>4</sup> -ethyl-1,3,5-triazine-2,4- diamine
498.	Thiodicarb	3,7,9,13-tetramethyl-5,11-dioxa-2,8,14-trithia-4,7,9,12- tetra- azapentadeca-3,12-diene-6,10-dione
499.	Tralkoxydim	2-[1-(ethoxyimino) propyl]-3-hydroxy-5-mesityl cyclohex-2-enone
500.	Triasulfuron	1-[2-(2-chloroethoxy) phenylsulphonyl]-3-(4-methoxy-6- methyl-1,3,5- triazin-2-yl) urea
501.	Tribenuron-methyl	methyl 2-[[[[[4-methoxy-6-methyl-1,3,5-triazin-2-yl) methyl amino] carbonyl] amino]sulfonyl] benzoate
502.	Triclopyr	3,5,6-trichloro-2-pyridyloxyacetic acid
<b>*** Added Vide Notification No. GSR 987 (E) * dated 20/12/90</b>		
503.	Flucarbimat	
504.	Hexythiazox (Acaricide)	(4RS, 5RS)-5-(4-chlorophenyl)-N-cyclohexyl-4-methyl-2- oxo-1,3 thiazolidine-3-carboxamide
505.	Paclobutrazol	(2RS, 3RS)-1-(4-chlorophenyl)-4,4-dimethyl-2-(1H- 1,2,4-triazol-1-yl) pentan-3-ol
<b>** Added Vide Notification No. GSR 577(E) * dated 26/08/93</b>		
506.	Blasticidin-S	1-(4-amino-1,2-dihydro-2-oxopyrimidin-1-yl)-4-[(S)-3- amino-5- (1-methylguanidino)valeramido] 1,2,3,4-tetradex-b- D-erythrohex-2-enopyranuronic acid

507.	Butocarboxim	3-(methylthio)butanone-O-methylcarbamoyl oxime
508.	Difethialone	3-[(1RS, 3RS; 1RS, 3SR)-3-(4'-bromobiphenyl-4-yl)-1,2,3,4-tetrahydro-1-naphthyl]-4-hydroxy-1-benzothio-in-2-one
509.	Imazalil (Magnate)	(±) -allyl 1-(2,4-dichlorophenyl)-2-imidazol-1-ylethyl ether.
510.	Imidacloprid	1-(6-chloro-3-pyridylemethyl)-N-nitroimidazolidin-2-ylideneamine
511.	Naproanilide	2-(2-naphthoxy)-N-phenylpropionamide
512.	MCPA-thioethyl (Phenothiol)	S-ethyl 4-chloro-o-tolyloxythioacetate
513.	Clodinafop Propargyl*	2-propynyl (R) -2-(4-(5-chloro-3-fluoro-2-pyridinyloxy)-phenoxy)-propionate
	*	Ammended vide GSR no. 181 (E) dated 13/03/2001
514.	Terbufos	S-tert-butylthiomethyl O,O-diethyl phosphorodithioate
<b>**Added Vide Notification No. GSR 730 (E) * dated 30/10/95</b>		
515.	Amidosulfuron	1-(4,6-dimethoxypyrimidin-2-yl)-3-mesyl (methyl) sulphamoylurea
516.	Bromuconazole	1-[(2RS, 4RS; 2RS, 4SR)-4-bromo-2-(2,4-dichlorophenyl) tetrahydrofurfuryl]-1H-1,2,4-triazole
517.	Clofentezine	3,6-bis (2-chlorophenyl)-1,2,4,5-tetrazine
518.	Difenzoquat metilsulphate	1,2-dimethyl-3,5-diphenylpyrazolium
519.	Ethoxysulfuron	1-(4,6-dimethoxypyrimidin-2-yl)-3-(2-ethoxyphenoxy)sulfonyl) urea
520.	Fipronil	(±)-5-amino-1-(2,6-dichloro-????-trifluoro-p-tolyl)-4-trifluoromethylsulfinylpyrazole-3-carbonitrile
521.	Lactofen	ethyl-O-[5-(2-chloro-a,a,a-trifluoro-p-tolyloxy)-2-nitrobenzoyl]-DL-lactate
522.	Propamocarb hydrochloride	propyl3-(dimethylamino)-propyl carbamate hydrochloride
523.	Silafluofen	(4-ethoxyphenyl) [3-(4-fluoro-3-phenoxy phenyl)-propyl] (dimethyl) silane
524.	Tebuconazole	(RS)-1-p-chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)-pentan-3-ol
525.	Triflumizole	(E)-4-chloro-a,a,a-?trifluoro-N-(1-imidazol-1-yl-2-propoxyethylidene)-o-toluidine
<b>**Added Vide Notification No. GSR 10 (E) * dated 03/01/96</b>		

526.	Abamectin (Vertimec)	(10E, 14E, 16E, 22Z)-(1R, 4S, 5'S, 6S, 6'R, 8R, 12S, 13S, 20R, 21R, 24S)-6'-[(S)-sec-butyl]-21,24-dihydroxy-5', 11, 13, 22 - tetramethyl-2-oxo-3, 7 19 - trioxatetracyclo [15.6.1.1 <sup>4,8</sup> .0 <sup>20,24</sup> ] pentacosa-10,14, 16,22-tetraene-6-spiro-2'-(5',6'-dihydro-2'H-pyran,-)-12-yl 2,6-dideoxy-4-O-(2,6-dideoxy-3-O-methyl-a-L-arabino-hexopyranosyl)-3-O-methyl-a-L-arabino-hexopyranoside (i) mixture with (10E, 14E, 16E, 22Z)-(1R, 4S, 5'S, 6S, 6'R, 8R, 12S, 13S, 20R, 21R, 24S)-21,24-dihydroxy-6'-isopropyl-5',11,13, 22-tetramethyl-2-oxo-3,7,19-trioxatetracyclo [15.6.1.1 <sup>4,8</sup> .0 <sup>20,24</sup> ] pentacosa-10,14,16,22-tetraene-6-spiro-2'-(5',6'-dihydro-2'H-pyran)-12-yl 2,6-dideoxy-4-O-(2,6-dideoxy-3-O-methyl-a-L-arabino-hexopyranosyl)-3-O-methyl-a-L-arabino-hexopyranoside (ii) (4:1)
527.	Ancymidol	a-cyclopropyl-4-methoxy-a-(pyrimidin-5-yl)benzyl alcohol
528.	Bifenox	methyl-5-(2,4-dichlorophenoxy)-2-nitrobenzoate
529.	Butralin	N-sec-butyl-4-tert-butyl-2,6-di-nitroaniline
530.	Chlorfonium Chloride	tributyl (2,4-dichlorobenzyl) phosphonium chloride
531.	Daminozide	N-dimethylaminosuccinamic acid
532.	Demeton-S-methyl	S-2-ethylthioethyl O,O-dimethyl phosphorothioate
533.	Dichlorprop	(RS)-2-(2,4-dichlorophenoxy) propionic acid
534.	Dodemorph (Meltatox)	4-cyclododecyl-2, 6-dimethylmorpholine
535.	Fludioxonil	4-(2,2-difluoro-1, 3-benzodioxol-4-yl) pyrrole-3-carbonitrile
536.	HL-Rope	Z-11-hexadecenal Z-9-hexadecenal
537.	HP-Rope	22/EZ-7, 11-hexadecadien-1-yl-acetate; Z-11-hexadecenal; Z-9-hexadecenal
538.	Lufenuron	(RS)-1-(2,5-dichloro-4-(1,1,2,3,3,3 hexafluoropropoxy)-phenyl)-3-(2,6-difluorobenzoyl)-urea
539.	Metamitron	4-amino-4,5-dihydro-3-methyl-6-phenyl-1,2,4-triazin-5-one
540.	Mepiquat chloride	1,1-dimethyl-piperidinium chloride
541.	Naproamide	(RS)-N, N-diethyl-2-(1-naphthylenyloxy) propionamide
542.	Oxadiargyl	5-tert-butyl-3-[2,4-dichloro-5-(prop-2 ynyloxy)phenyl]-

		oxadiazol-2 (3H)-one
543.	Gossyplure (PB Rope-L)	a 1:1 mixture of (Z,Z)-and (Z, E)-hexadeca-7,11-dien-1-yl acetate
544.	Paclobutrazol	(2RS, 3RS)-1-(4-chlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl) pentan-3-ol
545.	Phenmedipham	methyl 3-(3-methylcarbaniloxy) carbanilate
546.	Propyzamide	3,5-dichloro-N-(1,1-dimethylpropynyl) benzamide
547.	Pymetrozine	(E)-4,5-dihydro-6-methyl-4-(3-pyridylmethyleneamino)-1,2,4-triazin-3(2H)-one
548.	Thiourea (Thiocarbamide)	Thiourea
549.	Triacontanol	1-hydroxytriacontane
550.	Triflumizole	(E)-4-chloro-a,a,a?-trifluoro-N-(1-imidazol-1-yl-2-propoxyethylidene)-o-toluidine
551.	Triticonazole	(±)-(E)-5-(4-chlorobenzylidene)-2,2-dimethyl-1-(1H)-1,2,4-triazol-1-ylmethyl) cyclopentanol
552.	Uniconazole	(E)-(RS)-1-(4-chlorophenyl)-4,4-demethyl-2-(1H-1,2,4-triazol-1-yl) pent-1-en-3-ol
553.	(Z)-hexadec-11-enal (Z-11-Hexadecenal)	(Z)-hexadec-11-enal
<b>** Added Vide Notification No. GSR 538 (E) * dated 21/11/96</b>		
554.	Acrinathrin	(S)-a-cyano-3-phenoxybenzyl (z)-(1R, 3S)-2,2-dimethyl-3-[2-(2,2,2-trifluoro-1-trifluoromethylethoxy carbonyl) vinyl] cyclopropanecarboxylate
555.	Cyanophos	O-4-cyanophenyl O,O-dimethyl phosphorothioate
556.	Fluquinconazole	3-(2,4-dichlorophenyl)-6-fluoro-2-(1H-1,2,4-triazol-1-yl) quinazolin-4 (3H)-one
557.	Tebufenozide	N-tert-butyl-N'-(4-ethylbezoyl)-3,5-dimethyl benzohydrazide
558.	Transfluthrin	2,3,5,6-tetrafluorobenzyl (1R, 3S)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate
559.	Triflumizole	(E)-4-Choloro-a,a,a-trifluoro-N-(1-imidazol-1-yl-2-propoxyethylidene)-O-toluidine
<b>** Added Vide Notification No. GSR (621) E * dated 27/10/97</b>		
560.	Alanycarb	ethyl (Z)- N-benzyl-N-[[methyl(1-methylthioethylideneamino-oxycarbonyl)amino]thio]-b-alaninate.

**\*\* Added vide Notification No. GSR 621 (E) \* dated 27/10/97**

561.	Beta-cyfluthrin	(RS)- $\alpha$ -cyano-4-fluoro-3-phenoxybenzyl (1RS, 3RS; 1RS, 3SR) 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate
562.	Beta-cypermethrin	A reaction mixture comprising two enantiomeric pairs in ratio about 2:3 (S)- $\alpha$ -cyano-3-phenoxybenzyl (1R)-cis-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate and (R)- $\alpha$ -cyano-3-phenoxybenzyl (1S)-cis-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate with (S)- $\alpha$ -cyano-3-phenoxybenzyl (1R)-trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate and (R)- $\alpha$ -cyano-3-phenoxybenzyl (1S)-trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate
563.	Bupirimate	5-butyl-2-ethylamino-6-methylpyrimidin-4-yl dimethylsulfamate
564.	Chlorfenapyr	4-bromo-2-(4-chlorophenyl)-1-ethoxymethyl-5-trifluoromethyl pyrrole-3-carbonitrile
565.	Cyhalofop-butyl	butyl (R)-2-[4-(4-cyano-2-fluorophenoxy) phenoxy] propionate
566.	Desmedipham	ethyl 3-phenylcarbamoyloxyphenylcarbamate
567.	Epoxiconazole	(2RS, 3SR)-1[3-(2-chlorophenyl)-2,3-epoxy-2-(4-fluorophenyl)propyl]-1H-1,2,4-triazole
568.	Ethofumesate	( $\pm$ )-2-ethoxy-2,3-dihydro-3,3-dimethyl benzofuran-5-yl methanesulfonate
569.	Famoxadone	3-anilino-5-methyl-5-(4-phenoxyphenyl)-1,3-oxazolidine-2,4-dione
570.	Fenezaquin	4-tert-butylphenethyl quinazolin-4-yl ether
571.	Fluoroacetamide	2-Fluoroacetamide
572.	Flurtamone	(RS)-5-methylamino-2-phenyl-4 (a,a,a-trifluoro-m-tolyl) furan-3(2H)-one
573.	Flufenacet (Fluthiamide)	4'-fluoro-N-isopropyl-2-(5-trifluoromethyl-1,3,4-thiadiazol-2-yloxy) acetanilide
574.	Halosulfuron-methyl	methyl 3-chloro-5-(4,6-dimethoxypyrimidin-2-ylcarbamoylsulfamoyl)-1-methylpyrazole-4-carboxylate
575.	Heptenophos	7-chlorobicyclo[3,2,0]hepta-2,6-dien-6-yl dimethylphosphate
576.	Cyanamide (Hydrogen cyanamide)	carbamic acid nitrile

577.	Indoxacarb	methyl (S)-N-[7-chloro-2,3,4a,5-tetrahydro-4a-(methoxycarbonyl)indeno[1,2-e] [1,3,4]oxadiazin-2-ylcarbonyl]-4'-(trifluoromethoxy)carbanilate
578.	Fluazolate*	1-methylethyl 5-4-bromo-1-methyl-5-(trifluoromethyl)-1H-pyrazole-3-yl-2-chloro-4-fluorobenzoate
	*	Amended vide GSR no. 181(E) dated 13/03/2001
579.	Isouron	3-(5-tert-butylisoxazol-3-yl)-1,1-dimethylurea
580.	Karanjin	Karanjin (isolated from Ponqamia glabra)
581.	Methoxyfenozide	N-tert-butyl-N'-(3-methoxy-o-toluoyl)-3,5-xylohydrazide
582.	Propaquizafop	2-isopropylidene-oxyethyl (R)-2-[4-(6-chloroquinoxalin-2-yloxy)phenoxy] propionate
583.	Pyrithiobac-sodium	Sodium 2-chloro-6-(4,6-dimethoxypyrimidin-2-ylthio)benzoate
584.	Spinosad	A mixture of 2R, 3aR, 5aR, 5bS, 9S, 13S, 14R, 16aS, 16bR)-2-(6-deoxy-2,3,4-tri-O-methyl-a-L-mannopyranosyloxy)-13-(4-dimethylamino-2,3,4,6-tetra-deoxy-b-D-erythropyranosyloxy)-9-ethyl - 2,3,3a,5a,5b,6,7,9,10,11,12,13,14, 15,16a,16b-hexadecahydro-14-methyl-1H-8-oxacyclododeca[b]as-indacene-7,15-dione and (2S, 3aR,5aS, 5bS, 9S, 13S, 14R, 16aS, 16bS)-2-(6-deoxy-2,3,4 O-methyl-a-L-mannopyranosyloxy)-13-(4-dimethylamino-2,3,4,6-tetra-deoxy-b-D-erythropyranosyloxy)-9-ethyl-2,3,3a,5a,5b,6,7,9,10, 11,12,13,14,15, 16a,16b-hexadecahydro-4,14-dimethyl-1H-8-oxacyclododeca[b]as-indacene-7,15-dione in the proportion 50-95% to 50-5%
585.	sulfosulfuron	N-(4,6-dimethoxy 2-pyrimidiryl)-2-ethylsulfonylimidazol 1, 2-pyridine-3 sulfonamide 1-(4,6-dimethoxy pyrimidin-2-yl)-3-(2-ethyl sulfonylimidazo [1,2-a]pyridin-3-yl)sulfonylurea
586.	Sulfonite	lithium perfluoro octane sulfonate
587.	Triflumuron	1-(2-chlorobenzoyl)-3-(4-trifluoromethoxyphenyl) urea
<b>Added vide notification No. G.S.R. 224 (E) dated 26.03.99</b>		
588.	Bacillus subtilis	Bacillus subtilis cohn
589.	Gliocladium Species	Gliocladium Spp
590.	Pseudomonas Spp	Pseudomonas spp

591.	Trichoderma Species	Trichoderma spp.
592.	Beauveria bassiana	Beauveria bassiana
593.	Metarrhizium anisopliae	Metarrhizium anisopliae var acridum
594.	Nomuraea rileyi	Nomuraea rileyi
595.	Verticillium lecanii	Verticillium lecanii
596.	Grannulosis Viruses (GV)	Grannulosis Viruses (GV)
597.	Nuclear Polyhedrosis Viruses (NPV)	Neodiprion sertifer NPV and Neodiprion lecontei NPV
<b>Added vide notification No. G.S.R. 672 (E) dated 28.09.99</b>		
598.	Acetamiprid	(E)-N <sup>1</sup> -[(6-chloro-3-pyridyl)-methyl]N <sup>2</sup> -cyano-N <sup>1</sup> -methyl acetamidine
599.	Acetochlor	2-chloro-N-ethoxymethyl-6'-ethylaceto-o-toluidide
600.	Acibenzolar-S-methyl	S-methyl benzo [1,2,3] thiadiazole-7-carbothioate
601.	Azoxystrobin	methyl (E)-2-{2-[6-(2-cyanophenoxy) pyrimidin-4-yl-oxy]phenyl}-3-methoxyacrylate
602.	Carpropamid	A mixture of (1R,3S)-2,2-dichloro-N-[(R)-1-(4-chlorophenyl)ethyl]-1-ethyl-3-methyl cyclopropanecarboxamide, (1S, 3R)-2,2-dichloro-N-[(R)-1-(4-chlorophenyl)ethyl]-1-ethyl-3-methylcyclopropanecarboxamide (1S, 3R)-2,2-dichloro-N-[(S)-1-(4-chlorophenyl) ethyl]-1-ethyl-3-methylcyclopropanecarboxamide, and (1R, 3S)-2,2-dichloro-N-[(S)-1-(4-chlorophenyl)ethyl] -1-ethyl methylcyclopropanecarboxamide where the first two cited comprises at least 95% of the total.
603.	Dithiopyr	S,S'-dimethyl-2-difluoromethyl-4-isobutyl-6-trifluoromethylpyridine-3, 5-dicarbothioate
604.	Emamectin benzoate	A mixture containing 90% of (10E, 14E, 16E, 22Z)-(1R, 4S, 5'S, 6S, 6'R, 8R, 12S, 13S, 20R-21R, 24S)-6'-[(S)-sec-butyl]-21,24-dihydroxy-5'11,13,22-tetramethyl-2-oxo-3,7,19-trioxatetracyclo[15E,1,1 <sup>4.8</sup> 0 <sup>20.24</sup> ]pentacosa-10,14,16,22-tetraene-6-spiro-2-(5,6'-dihydro-2'H-pyran)-12-yl-dideoxy-3-O-methyl-4-O-(2,4,6-trideoxy-3-O-methyl-4-methylamino-a-L-lyxo-hexopyranosyl)-a-hexopyranoside and 10% of (10E, 14E, 16E, 22Z)-(1R, 4S, 5'S, 6S, 6'R, 8R, 12S, 13S, 20R, 21R, 21(S)-21,24-dihydroxy-6'-isopropyl-5'11,13,22-tetramethyl-2-oxo-3,7,19-trioxatetracyclo[1,6,1,1 <sup>4.8</sup> .0 <sup>20.24</sup> ]pentacosa-

		10,14,16,2 <sup>2</sup> -tetraene-6-spiro-2'-(5',6'-dihydro-2'H-pyran)-12-yl,2,6-adeoxy-3-O-methyl-4-O-(2,4,6-trideoxy-3-O-methyl-4-methylamino- $\alpha$ -L-lyxohexopyranosyl)- $\alpha$ -L-arabino-hexopyranoside
605.	Epoxyconazole	(2RS, 3SR)-1-[3-(2-chlorophenyl)-2,3-epoxy-2-(4-fluorophenyl)propyl]-1H-1,2,4-triazole
606.	Efgostim	It is a mixture of ATCA (N-acetyl-thiazolidin-4-carboxylic acid) and folic acid in the ratio of 50:1
607.	Imazaquin	(RS)-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-3-quinoline-3-carboxylic acid
608.	Imiprothrin	A mixture containing 20% of 2,5-dioxo-3-prop-2-ynylimidazolidin-1-ylmethyl (1R, 3S)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate and 80% of 2,5-dioxo-3-prop-2-ynylimidazolidin-1-ylmethyl (1R, 3S)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate
609.	Metazachlor	2-chloro-N-(pyrazol-1-ylmethyl)acet-2'.6'-xylidide
610.	Pencycuron	1-(4-chlorobenzyl)-1-cyclopentyl-3-phenylurea
611.	Potassium Phosphonate	H KO - P - OK O
612.	Sodium-Aciflourfan	sodium 5-(2-chloro- $\alpha,\alpha,\alpha$ -trifluoro-p-tolyloxy)-2-nitrobenzoate
613.	Sulfentrazone	2',4'-dichloro-5'-(4-difluoromethyl-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl) methanesulfonanilide
614.	Thiamethoxam	3-(2-chloro-thiazol-5-ylmethyl)-5-methyl-1,3,5-oxadiazinan-4-ylidene (nitro)amine
615.	Thifluzamide	2', 6'-dibromo-2-methyl-4'trifluoromethoxy-4-trifluoromethyl-1,3-thiazole-5-carboxanilide
616.	Thiocyclamhydrogen oxalate (Thiocyclam)	N,N-dimethyl-1,2,3-trithian-5-ylaminehydrogenoxalate
617.	Tolyfluanid	N-dichlorofluoromethylthio-N', N'-dimethyl-N-p-tolylsulfamide
<b>Added vide notification No. G.S.R. 868 (E) dated 15.11.2000</b>		
618.	Extract of Cymbopogan	Monoterpenes

	Species	
619.	Fenpyroximate	tert-butyl (E)-a-(1,3-dimethyl-5-phenoxy-pyrazol-4-ylmethyleneamino-oxy)-p-toluate
620.	Metalaxyl-M	methyl-N-(methoxyacetyl)-N-(2,6-xylyl)-D-alaninate
621.	Novaluron	(±)-1-[3-chloro-4-(1,1,2-trifluoro-2-trifluoromethoxyethoxy)-phenyl]-3-(2,6-difluorobenzoyl)urea
622.	Quizalofop-P-tefuryl	(±)-tetrahydrofurfuryl-(R) - 2[4-(6-chloroquinoxalin-2-yloxy)-phenoxy] propionate
623.	S-Metolachlor	A mixture of (a RS, 1S)-2-chloro-6'-ethyl-N-(2-methoxy-1-methyl ethyl) aceto-o-toluidide and (a RS, 1R)-2-chloro-6'-ethyl-N-(2-methoxy-1-methyl ethyl) aceto -o-toluidide in the proportion 80-100% to 20-0%
<b>Added vide notification No. G.S.R. 69 (E) dated 5<sup>th</sup> February, 2001</b>		
624.	Hirsutella species	
<b>Added vide notification No. G.S.R. 291 (E) dated 19/04/2002</b>		
625.	Imazapic	(±)-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-5-methylnicotinic acid
626.	Dimethanamid	(RS)-2-chloro-N-(2,4-dimethyl-3-thienyl)-N--(2-methoxy-1-methylethyl) acetamide
627.	Carfentrazone ethyl	ethyl (RS) -2-chloro-3-[2-chloro-5-(4-difluoromethyl-4,5-dihydro-3-methyl-5-oxo-IH-1,2,4-triazol-1-yl-4-fluorophenyl]-propionate
628.	Oryzalin	3,5-dinitro-N <sup>4</sup> , N <sup>4</sup> -dipropylsulfanilamide
629.	BAS 625H (Clefoxydim)	2-{1-[2-(4-chlorophonexy) propoxyimino]-butyl}-3-hydroxy-5-thian-3-ylcyclohex-2-enone
630.	Tepaloxymid (Aramo)	(EZ)-(RS)-2-{1-[(2E)-3-chloroallyloxyimino]propyl}-3-hydroxy-5-perhydropyran-4-ylcyclohex-2-en-1-one
631.	Benfuresate	2,3-dihydro-3,3-dimethylbenzofuran-5-ylethanensulfonate
632.	Chlorthal-dimethyl	tetrachloro-teraphthalic acid (other name dimethyl tetrachloroterephthalate)
633.	Terallethrin (Knockthrin-M-108)	(RS)-3-allyl-2-methyl-4-oxo-cyclopent-2-enyl 2,2,3,3-tetramethyl cyclopropanecarboxylate
634.	Rimsulfuron	1-(4,6-dimethoxypyrimidin-2-yl)-3-(3-ethylsulfonyl-2-pyridiylsulfonyl) urea

635.	Uniconazole-P	(E)-(S)-1-(4-chlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-yl)pent-1-en-3-ol
636.	Diniconazole	(E)-(RS)-1-(2,4-dichlorophenyl)-4,4-dimethyl-2-1H-1,2,4-triazol-1-yl)pent-1-en-3-ol
637.	Dimethyl Phthalate	1,2-benzenedicarboxylic acid
638.	Procymidone	N-(3,5-dichlorophenyl)-1,2-dimethylcyclopropane-1,2-dicarboximide
639.	Tolclofos-methyl	O-2,6-dichloro-p-tolyl O,O-dimethylphosphorothioate
640.	Cyclosulfamuron	1-[2-(cyclopropyl carbonyl)phenyl sulfamoyl]-3-(4,6-dimethoxypyrimidin-2-yl) urea
641.	Imazamox	(RS)-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-5-methoxymethylnicotinic acid
642.	Metconazole	(1RS, 5RS, 1RS, 5SR)-5-(4-chlorobenzyl) -2,2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl) cyclopentanol
643.	Thiazopyr	methyl 2-difluoromethyl-5-(4,5 dihidro-1,3-thiazol-2-yl)-4-isobutyl-6-trifluoromethylnicotinate
644.	Sodium-P Nitrophenolate	---
645.	Forchlorfenuron	1-(2-chloro-4-pyridyl)-3-phenyl urea
646.	Thiacloprid	
647.	Fentrazamide	4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-1H-tetrazole-1-carboxamide
648.	Hexaflumuron	1-[3,5-dichloro-4-(1,1,2,2-tetrafluoroethoxy) phenyl]-3-(2,6-difluorobenzoyl) urea
<b>Added vide notification No. G.S.R. 772 (E) dated 18<sup>th</sup> November, 2002</b>		
649.	Fenamidone	(S)-1-anilino-4-methyl-2-methylthio-4-phenylimidazolin-5-one
650.	Flutriafol	(RS) - 2,4'-diluoro-alpha-(1H-1,2,4-triazol-1-ylmethyl) benzhydryl alcohol
651.	Bifenazate	isopropyl 3-(4-methoxybiphenyl-3yl) carbazate
652.	Pyriproxyfen	4-phenoxyphenyl (RS)-2(2-pyridyloxy) propyl ether
653.	Ipovalicarb	isopropyl 2-methyl-1-[(1-p-tolylethyl) carbamoyl] -(S)-propylcarbamate
654.	Clothianidin	(E)-1(2-chloro-1, 3-thiazol-5-ylmethyl)-3-methyl-2-nitroguanidine
655.	Mesosulfuron-methyl	methyl 2-[3-(4,6-dimethoxy pyrimidin-2-yl) ureido-sulfonyl]-4-methane sulfon-amidomethyl benzoate

656.	Iodosulfuron-methyl-sodium	methyl-4-iodo-2[3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)-ureidosulfonyl benzoate sodium salt.
657.	Etridiazole	ethyl 3-trichloromethyl-1,2,4-thiadiazol-5-yl-ether
658.	Milbemectin	A mixture of (10E, 14E, 16E, 22Z) (1R, 4S, 5'S, 6R, 8R, 13R, 20R, 21R, 24S) 21,24-dihydroxy-5'6', 11,13,22 - pentamethyl 3,7,19-trioxatetracyclo {15.6.1.1 <sup>4.8</sup> <sub>0</sub> <sup>20.24</sup> } pentacosa -10,14,16,22-tetraene-6 spire-2-tetrahydropyran-2-one and (10E,14E,16E,22Z)-(1R,4S,5· S,6R,6' R,8R,13R,20R,21R,24S)-3,7,19-trioxatetracyclo[15.6.1.1 <sup>4.8</sup> 0 <sup>20.24</sup> ] pentacosa-10,14,16,22-tetraene-6-spiro-2' - tetrahydropyran-2-one in the ration 3 to 7
659.	Pyraclostrobin	methyl N-(2-{[1-(4-chloro-phenyl)-1H-pyrazol-8-yl]oxy methyl} phenyl) N-methoxy carbamate
660.	Trifloxysulfuron-sodium	N[(4,6-dimethoxy-2-pyrimidiny) cabamoyl]-3-(2,2,2-trifluoro ethoxy)-pyridin-2-sulfonamide Sodium salt.
661.	Naptalam	N-1-naphthylphthalamic acid
662.	Dimethipin	2,3-dihydro-5,6-dimethyl-1,4-dithi-ine 1,1,4,4--tetraoxide
663.	Ethyl butyl acetyl amino Propionate	Ethyl butyl acetyl amino propionate
664.	Phenothrin[(1R)-trans-isomer](d-phenothrin)	3-phenoxybenzyl (1RS,3RS; 1RS, 3SR)-2,2-dimethyl-3-(2-methylprop-1-enyl) cyclopropane carboxylate
665.	SZ1-121 (Flufenzine)	3-(2-chlorophenyl)-6-(2,6-difluorophenyl)-1,2,4,5-tetrazine.
666.	Bronopol	2-bromo-2-nitropropane-1,3-diol.
<b>Added vide notification No. G.S.R. 378 (E) dated June 24th, 2004</b>		
667.	Pyraflufen-ethyl	Ethyl-2-chloro-5-(4-chloro-5-difluoromethoxy-1-methyl pyrazol-3-yl)-4-fluorophenoxy acetate
668.	Isoxaben	N-[3-(1-ethyl-1-methylpropyl)isoxazol-5-yl]-2,6 dimethoxybenzamide
669.	Imazosulfuron	1-(2-chlorolmidazo[1,2-a]pyridin-3-ylsulfonyl)-3(4,6-dimethoxy-pyrimidin-2-yl)Urea
670.	Spiromesifen	3-mesityl-2-oxo-1-oxaspiro(4,4)-non-3-en-4-yl-3,3-dimethyl butanoate
671.	Fenoxanil	N-(1-cyano-1,2-dimethylpropyl)-2-(2,4-dichlorophenoxy)propion amide (R,S)-and (RR) and (S,R)-and (S,S)
672.	Bioresmethrin	5-benzyl-3-furylmethyl(+)trans Chrysanthemate
673.	d-Tetramethrin	Cyclohex-1-en-1,2-dicarboxy midomethyl-cis-trans chrysanthemate
674.	d-phenothrin	3-phenoxybenzyl-(+)-cis, trans chrysanthemate

675.	Verticilium chlamyosporium	-
676.	Acibenzolar-S-methyl	Ethyl-2-chloro-5-(4-chloro-5-difluoromethoxy-1-methyl pyrazol-3-yl)-4-fluorophenoxy acetate
677.	Streptomyces griseoviridis	-
678.	Streptomyces lydicus	-
679.	Ampelomyces quisqualis	-
680.	Candida oleophila	-
681.	Fusarium oxysporum (non pathogenic)	-
682.	Burkholderia cepacia	-
683.	Coniocytrium minitans	-
684.	Agrobacterium radiobacter strain 84	-
685.	Agrobacterium tumefaciens	-
686.	Pythium oligandrum	-
687.	Erwinia amylovora (Hairpin protein)	-
688.	Phlebia gigantean	-
689.	Plaecilomyces lilacinus	-
690.	Penicillium islanidicum (for groundnut)	-
691.	Alcaligenes spp.	-
692.	Chaetomium globosum	-
693.	Aspergillus niger-strain AN27	-
694.	VAM-Vesicular arvescular mycorrhijal (Fungus)	-
<b>Added vide notification No. G.S.R. 198 (E) dated 31st March, 2005</b>		
695.	Fenbuconazole	4-(4-Chlorophenyl)-2-phenyl-2-(1H-1,2,4-triazol-1-ylmethyl) butyronitrile
696.	Ipconazole (Isomer mixture)	-(IRS, 2SR,5RS: 1 RS, 2 SR, 5 SR)-2-(4-Chlorobenzyl)-5-isoproyl-1-(1H-1,2,4-triazole-l-ylmethyl) cyclopentanol
697.	Amicarbazone	4-amino-N-tert-butyl-4,5-dihydro-3-isopropyl-5-oxo-1,2,4-1H triazole-1-carboxamide

698.	Clethodim	(+)-2-{(E)-1-{E}-3 chloro allyloxyimino} Propyl}-5-{2-(ethylthio)-propyl}-3-hydroxy cyclohex-2-enone
699.	Hymexazol	5-methylizoxazol-3-ol
700.	Flucarbazone Sodium	4,5-dihydro-3-methoxy-4-methyl-5-oxo-N-(2-trifluoro methoxy phenyl-sulfonyl)-1H-1,2,4-triazole-1-carboxamide, sodium salt
701.	Flumioxazin	N-(7-fluoro-3,4-dihydro-3-oxo-4-prop-2-ynyl-2H-1,4-benzoxazin-6-yl)cyclohex-1-ene-1,2-dicarboxamide
702.	Metofluthrin	2,3,5,6 Tetrafluoro-4-(methoxy methyl)benzyl(EZ)- (IRS, 3RS, IRS,3 SR)-2,2 dimethyl-3-(Prop-1-enyl) cyclopropane carboxylate
703.	Pyridalyl	2,6-dichloro-4(3,3-dichloro allyloxy) phenyl 3-[5-trifluoro methyl]-2-pyridyloxy propyl ether
704.	Metaflumizone	(E+Z)-2-[2-(4-cyanophenyl)-1-(3-trifluoromethyl phenyl) ethylidene]-N-(4-trifluoromethoxy phenyl) hydrazine carboxamide
705.	Trifloxystrobin	Methyl(E) methoxyimino-{(E)-a-{1-(a,a,a,-trifluoro-m--tolyl) ethyl ideneamine oxy}-o-tolyl}acetate
706.	Oxymatrine	(plant derived pesticide- sophora flavescens)
707.	Bispyribac-Sodium	Sodium 2,6-bis (4,6-dimethoxy pyrimidin-2-yloxy) benzoate
708.	Muscalure	(Z)-tricos-9-ene
709.	Acifluorfen	5-(2-chloro-1-1-1-trifluoro-p-tolyloxy)-2-nitrobenzoic acid
710.	Reduced azadirachtin(s)	[Active Ingredient(s) dihydroazadirachtin (Chemical code 121702), and tetrahydroazadirachtin]
<b>Added vide notification No. G.S.R. 651(E) dated 31st October, 2005</b>		
711.	Petroleum derived spray oil	Produced by distillation at >310 <sup>0</sup> C and refinement of crude mineral oil. It is the combination of largely aliphatic hydrocarbon both saturated and unsaturated, the content of the latter being reduced by refinement.
<b>Added vide notification No. G.S.R. 51(E) dated 6th February, 2006</b>		
712.	Pinoxaden	2,2-dimethyl-propanoid acid 8-(2,6-diethyl 4-methyl phenyl)-9-oxo-1,2,4,5-tetrahydro-9H-Pyrazolo [1,2-d][1,4,5] oxadiazepine-7-yl ester
713.	Dinotefuran	(RS)-1-methyl-2-nitro-3-(tetrahydro-3-furylmethyl) guanidine
714.	Flubendiamide	N1 -[1,1-dimethyl-2(methyl sulfonyl) ethyl]-3-iodo-N-{4-[1,2,2,2-tetrafluoro-l-trifluoromethyl)ethyl}-0-tolyl}phthalamide
715.	Triptericium of wilferdii Hook GTW - Plant extract	Glycosides having Triptolide, Triptiolide and Tripterolide

716.	Lepimectin (E-237)	Mixture of (10E,14E,16E,22Z)- (1R,4S,5'S,6R,6'R,8R,12R,13S,20R,21R,24S), -21,24- dihydroxy-5',6',11,13,22 - pentamethyl-12-[(2Z)-2 methoxyimino-2-phenylacetoxy]-5',6',11,13,22- pentamethyl-3,7,19-trioxatetracyclo[15.6.1.14,8 .020,24] pentacosa-10,14,16,22-tetraene-6-spiro-2'- tetrahydro-pyran-2-one (E-241) and (10E,14E,16E,22Z)- (1R,4S,5'S,6R,6'R,8R,12R,13S,20R, 21R,24S), -6'-ethyl- 21,24-dihydroxy-12-[(2Z)-2 methoxyimino-2- phenylacetoxy]-5',11,13,22-tetramethyl-3,7,19- trioxatetracyclo[15.6.1.14,8 .020,24] pentacosa- 10,14,16,22-tetraene-6-spiro-2'-tetrahydro-pyran-2-one (E-909) in the ratio of <20 to> 80
717.	Ethiprole	(+)-5-amino-1-(2,6-dichloro-alpha, alpha, alpha, trifluoro-p-tolyl)-4-ethyl-sulfinyl pyrazole-3-carbonitrile
718.	Mycothecirem Verrucaria	-
719.	Tetraconazole	(RS)-2-(2,4-dichlorophenyl)-3-(1H,1,2,4-triazole -I-yl) propyl 1,1,2,2-tetrafluoroethyl ether
720.	Hydramethylnon	5,5-dimethyl-perhydro pyrimidin-2-one-4-trifluoromethyl = a- (4-trifluoromethyl styryl) cinnamyliderehydrazone
721.	Bitterbarkomycin	(Plant extract of Apocynum Venetum) 1a, 2a, diacetoxyl- 8A,15 dissobutyl acyloxy-9a-benzyloxy-4A; 6A dihydroxy-A-dihydroxylignaloefuran
722.	Benalaxyl -M	Methyl -N(Phenylacetyl)- N-(2,6-xylyl -D-alaninate
723.	Sulfuryl Fluoride	-
724.	Thifensulfuron-methyl	3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl carbamoylsulfamoyl) =thiophen-2-carboxylic acid
725.	Nicosulfuron	2-(4,6,-dimethoxy pyrimidin-2-ylcarb amoyl sulfamoyl)- N,N-dimethyl=nicotinamide - ( 4,6,-dimethoxy pyrimidin- 2-yl)- 3 - (3-dimethylcarbamoyl-2-pyridyl=sulfonyl)urea
726.	Rotenone	(2R, 6as, 12 as)-1,2,6,6a,12,12a-hexahydro-2- isopropenyl-8,9-dimethoxychromeno [3,4-b]furo[2,3- h]chromen-6-one
727.	Diflufenican	2',4'-difluoro-2-(a,a,a-trifluoro-m-tolyloxy) nicotinilide
728.	Photorhabdus luminescences akhurstii Strain K-I	-
729.	Serratia marcescens GPS 5 (Bacteria)	-
730.	Squamocin	Seed extract of Plant 'Annona squamosa Linn' (Custard apple)
<b>Added vide notification No. G.S.R. 683(E) dated 31st October, 2006</b>		
731.	Flonicamid	N-cyanomethyl-4-(trifluoromethyl)nicotinamide
732.	Fluazifop-p-butyl	Butyl(R)-2-{4-[5-(trifluoromethyl)-2-

		pyridyloxy]phenoxy}propionate
733.	Flazasulfuron	1-(4,6-dimethoxy-2-pyridin-2-yl)-3-(3-trifluoromethyl-2-pyridyl sulfonyl)urea
734.	Cyazofamid	4-chloro-2-cyano-N,N-dimethyl-5-p-olylimidazole-sulfonamide
735.	Fluazinam	3-chloro-N-(3-chloro-5-trifluoromethyl-2-pyridyl)-a,a,a-trifluoro-2,6-dinitro-p-toluidine
736.	Boscalid	2-chloro-N-(4-chloro-biphenyl-2-yl)nicotinamide
737.	1-MCP	1-Methylcyclopropene
738.	Propoxycarbazone-sodium	2-[(4-methyl-5-oxo-3-propoxy-4,5-dihydro-[1,2,4,]triazole-carbonyl)-sulfamoyl]-benzoic acid methylester, sodium salt
739.	Isoxaflutole	5-cyclopropyl-4-(methanesulfonyl-4-trifluoromethylbenzoyl)-isoxazole
740.	Fluopicolide	2,6-dichloro-N-[3-chloro-5-(trifluoromethyl)-2-pyridylmethyl]benzamide
741.	Aclonifen	2-chloro-6-nitro-3-phenoxyaniline
742.	Azimsulfuron	1-(4,6-dimethoxy-2-pyrimidin-2-yl)-3-[1-methyl-4-(2-methyl-2H-tetrazole-5-yl)pyrazol-5-ylsulfonyl]urea
743.	Zoxamide	(RS)-3,5-dichloro-N-(3-chloro-1-ethyl-1-methyl-2-oxopropyl)-p-toluamide
744.	Tribenuron methyl	2-[4-methoxy-6-methyl-1,3,5-triazin-2-yl(methyl)carbamoyl-sulfamoyl]benzoic acid
745.	Thifensulfuron methyl	Methyl-3-(4-methoxy-6-methyl-1,3,5-triazin-2-ylcarbamoyl sulfamoyl)thiophene-2-carboxylate
746.	Prothiofos	O-2,4-dichlorophenyl-O-ethyl S-propyl phosphorodithioate
747.	Penoxsulam	2-(2,2-difluoroethoxy)-N-(5,8-dimethoxy[1,2,4]triazolo[1,5-c]pyrimidin-2-yl)-6-(trifluoromethyl)benzenesulfonamide
748.	Omethoate	O,O-dimethyl S-methylcarbamoylmethyl phosphorodithioate
749.	Piriformospora indica	a plant root colonizing basidiomycete fungus
750.	Mepiquat Pentaborate	N,N dimethylpiperidinium pentaborate
751.	Sulcotrione	2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione
752.	Flumorph	4-[3-(3,4-dimethoxyphenyl)-3-(4-fluorophenyl)acryloyl]morpholine-1H-1,2,4-triazole-1-ethanole
753.	SYP 1620	N-methyl 2-[2-(((4-(2,6 dichloro-phenyl)-3-butenylidene-2-yl)amino)oxy)methyl)-phenyl]-2-methoxyiminoacetamide

754.	Metominostrobin	(E)-2-methoxyimino-N-methyl-2-(2-phenoxyphenyl)acetamide
755.	Empenthrin	(E)-(RS)-ethynyl-2-methylpent-2-enyl(1R;3RS;1R,3SR)2,2-dimethyl-3-(2methyl=prop-1-enylcyclopropanecarboxylate
756.	Pyridaben	2-tert-butyl-5-(4-tert-butylbenzylthio)-4-chloropyridazin-3(2H)-one-----
<b>Added vide notification No. G.S.R. 631(E) dated 28th September, 2007</b>		
757.	Chromafenozide	2'-tert-butyl-5'-methyl-2'-(3,5-xyloyl)chroman-6-carbohydrazide
758.	Orthosulfamuron	1-(4,6-dimethoxypyrimidin-2-yl)-3-[2-(dimethylcarbamoyl)phenylsulfamoyl] urea
759.	6-Benzylaminopurine	N-phenylmethyl-1 H-purin-6-amine (6-benzylaminopurine)
760.	Hexamethyldisilazane	Hexamethyldisilazane, reaction product with silica
761.	Kresoxim-Methyl	Methyl(E)-methoxyimino-[2-(0-tolyloxymethyl)phenyl] acetate
762.	Spirotetramat	Carbonic acid 3-(2,5-dimethyl-phenyl)-8-methoxy-2-oxo-1-aza-spiro[4.5]dec-3-en-4-yl ester ethyl ester
763.	Mandipropamid	2-(4-chloro-phenyl)-N-[2-(3-methoxy-4-pro-2-ynyloxy-phenyl)0-ethyl]-2-prop-2-ynyloxy-acetamide
764.	Chlorantraniliprole	3-Bromo-N-[4-chloro-2-methyl-6-(methylcarbamoyl) phenyl]-1-(3-chloropyridin-2-yl)-1 H-pyrazole-5-carboxamide
765.	Prodiamine	5-dipropylamino-a,a,a-trifluoro-4,6 dinitro-0-toluidine; 2,6-dinitro-N <sup>1</sup> ,N <sup>1</sup> -dipropyl-4 trifluoromethyl-m-Phenylenediamine
766.	Fomesafen	5-[2-chloro-4-(trifluoromethyl) Phenoxy] -N-(methylsulfonyl)-2-nitrobenzene)
767.	Topramezone	3-(4,5-dihydro-isoxazol-3-yl)-4-methanesulfonyl-2-methylphenyl)-(5-hydroxyl-1-methyl-1H-pyrazol-4-yl)methanone
768.	Pyribenzoxim	Diphenylmethanone 0-[2,6-bis[(4,6-dimethoxy-2-pyrimidinyl)oxy]benzoyl]oxime
769.	n-Heneicosane	CH <sub>3</sub> - CH <sub>2</sub> - CH <sub>2</sub> - C <sub>18</sub> H <sub>37</sub>
770.	Formetanate hydrochloride	3-dimethylaminomethylene aminophenyl methylcarbamate hydrochloride
<b>Added vide notification No. G.S.R. 650(E) dated 11th September, 2008</b>		
771.	Fluridone	1-methyl-3-phenyl-5-(oc, oc, oc-trifluoro-m-tolyl)-4-pyridone
772.	Tebuthiuron	1-(5-tert-butyl-1, 3, 4-thiadiazol-2-yl)-1, 3-dimethylurea
773.	Trinexapac-Ethyl	Ethyl 4-cyclopropyl (hydroxyl) methylene- 3, 5-

		dioxocyclohexane carboxylate
774.	Thidiazuron	1-phenyl-3-(1, 2, 3-thiadiazol-5-yl) urea
775.	Isoxathion	0, 0-diethyl 0-5-phenyl isoxazol-3-yl phosphororhioate
776.	Eucalyptus leaf extract	Containing 1, 8 cineole (eucalyptol)
<b>Added vide notification No. G.S.R. 799(E) dated 19th November, 2008</b>		
777.	Imibenconazole	S-(4-chlorobenzyl)n-(2, 4-dichlorophenyl)-2-(1H-1,2,4-triazole-1-yl) actamidothiates
778.	Cyclanilide	1(2, 4-dichlorophenyl) amino (carbonyl) cyclo-propane carboxylic acid
779.	Flucetosulfuron	(1RS, 2RS: 1SR; 2SR)-1-3[4,6-dimethoxyprimidin-2-ylcarbamoyl] sulfamoyl]-2-pyridyl)-2- fluoropropyl methoxyacetate.
<b>Added vide notification No. G.S.R. 384(E) dated 4th June, 2009</b>		
780.	Metamifop	Propanamide, (R)-2[-4-[(6-chloro-2-benzoxazolyl) oxy] phenoxy]-N-(2-fluorophenyl)-N-methyl.
781.	Fluthianil	Z)-2-[2-fluoro-5-(trifluoromethyl) phenylthio]-2-[3-(2-methoxyphenyl)-1,3-thiazolidin-2-ylidene]acetoneitrile.
782.	Valifenalate (Modified vide Notification No. G.S.R. 908(E) dated 29 <sup>th</sup> Dec., 2011)	Methyl N-(isopropoxycarbonyl)-L-valyl-(3RS)-3-(4-chlorophenyl)-B-alaninate
783.	Tolfenpyrad	4-chloro-3ethyl-1-methyl-N[4-(p-tolyloxy)benzyl] pyrazole-5-carboxamide.
784.	Fenbutatin Oxide	Bis[tris(2-methyl-2phenyl propyl) tin] oxide.
785.	Meptyl Dinocap	2,4-dinitro-6-(1-methyl heptyl)phenyl chrotonate.
786.	Aminopyralid	4-Amino-3,6-dichloropyridine-2-carboxylic acid.
787.	Diclosulam	N-(2,6-dichlorophenyl)-5-ethoxy-7-fluoro-[1,2,4] triazolo[1,5-c]pyrimidine-2-sulfonamide.
<b>Added vide notification No. G.S.R. 5(E) dated 5th January, 2010</b>		
788.	Pethoxamid	2-chloro-N-(2-ethoxyethyl)-N-(2-methyl-1-phenylprop-1-enyl)acetamide.
789.	Penthiopyrad	(RS)-N-{2-1,3-Dimethylbutyl)-3-thienyl}-1-methyl-3-(trifluoromethyl).
790.	Imazamethabenz-methyl	Mixture of (+/-)-6-(4-Isopropyle-4-Methyl-5-oxo-2-Imidazolin-2-yl)-m-Toluate and Methyl (+/-)-2-(4-Isopropyle-4methyl-5-oxo-2-Imidazoldin-2-yl)-p-toluate.
791.	Aminocyclopyrachlore	6-Amino-5-chloro-2-Cyclopropyl-Pyrimidine-4-Carboxylic acid, Methyl Ester.

792.	Gamma Cyhalothrin	(s) $\alpha$ -cyano-3-phenoxybenzyl(Z)-(1R,3R)-3-(2-Chloro-3,3,3-trifluoroprop-1-enyl)=2,2-dimethylcyclopropanecarboxylate.
793.	Cyflumetofen	2-methoxyethyl (RS)-2-(4 tert butyly phenyl)-2-Cyano-3-Oxo-3-( $\alpha,\alpha,\alpha$ trifluoro-o-tolyl) propionate.
794.	Cyantraniliprole	1H-pyrnzole-5-Carboxamid 3-brome-1-(3-Chloro-2 pyridinyl)-n-[4-cyano-2-methyl-6-(methyl amino carbonyl)] phenyl (9 CL).
795.	Ametoctradin	5-ethyl-6-octyl [1,2,4]triazolo [1,5-a] pyrimidin-7-amine .
796.	picoxystrobin	Methyl (E) 3-methoxy 2-{2-[6-(trifluoromethyl)-2-pyridoxymethyl]phenyl} acrylate.
797.	Metralenone	3'-bromo-2,3,4,6'-tetramethoxy-2', 6-dimethyl benzophenone".

**Added vide notification No. G.S.R. 316(E) dated 13th April, 2010**

798.	Pyroxsulam	N-(5,7-dimethoxy [1,2,4] triazolo[1,5-a] pyrimidin-2-yl)-2-methoxy-4-(trifluoromethyl) Pyridine-3-Sulfonamide.
799.	Propisochlor	2 chloro-6'-ethyl-N-isopropoxymethylaceto-toluidide .
800.	Orysastrobin	(2 E)-2-(methoxyimino)-2-{2-[(3E,5E,6E)-5-(methoxyimino)-4,6-dimethyl -2,8-dioxa-3,7-diazanona-3,6-dien-1-yl]-Phenyl} -N-methyl acetamide.
801.	Sulfoxaflor	[1-[6-(trifluoromethyl) pyridine-3yl]ethyl]methyl (oxido)- $\lambda$ 4-Sulfanylidene cyanamide.
802.	Siduron	1-(2-methylcylohexyl)-3-phenyl urea.
803.	Spinetoram	Major component3'ethoxy 5,6-dihydro spinosynJ-minor component3'ethoxy spinosynL.
804.	Diamuron	1-(1-methyl-1-phenyl ethyl)-3-p-tolyl urea.
805.	Simetryn	N2,N4-diethyl-6-methylthio-1,3,5-triazine-2,4-diamine.

**Added vide notification No. G.S.R. 764(E) dated 15th September, 2010**

806.	Penflufen	2'-[(RS)-1,3-dimethylbutyl]-5-fluoro-1,3-dimethylpyrazole-4-carboxanilide .
807.	Tembotrione	2-[2-chloro-4-(methylsulfonyl)-3-[(2,2,2-trifluoroethoxy)methyl]benzoyl] cyclohexane-1,3-dione .
808.	Indaziflam	N-[(1R,2S)-2,3-dihydro-2,6-dimethyl-1H-inden-1-yl]-6-[(1RS)-1-fluoroethyl]-1,3,5-triazine-2,4-diamine .
809.	Proquinazid	6-iodo-2-propoxy-3-propylquinazolin-4(3H)-one.
810.	Hymexazole	5-methylisoxazol-3-ol.
811.	Fluopyram	N-{2-[3-chloro-5-(trifluoromethyl)-2-pyridyl]ethyl}- $\alpha,\alpha,\alpha$ -trifluoro-o-toluamide.

812.	Metrobromuron	3-(4-bromophenyl)-1-methoxy-1-methyl urea.
813.	Fluensulfone	5-chloro-1,3-thiazol-2yl, 3,4,4-trifluorobut-3-en-1-yl-sulfone.
814.	Imidaclothiz	1-(5-chloro-2-thiazolyl methyl)-N-nitro-imidazolidin-2-ylideneamine.
815.	Niclosamide	2',5-dichloro-4'-nitro salicylanilide.
<b>Added vide notification No. G.S.R. 400(E) dated 25th May, 2011</b>		
816.	Orbencarb	s-2-Chlorobenzyl diethylthiocarbamate
817.	Prosulfocarb	s-benzyl dipropylthio carbamate
818.	Amisulbrom	3-(3-bromo-6-fluoro-2-methylindol-1-ylsulfonyl)-N,N-dimethyl-1H-1,2,4-triazol-1-sulfonamide
819.	Cyflufenamid	(Z)-N-[a-(Cyclopropyl methoxyimino)-2,3-difluoro-6-(trifluoromethyl)(benzyl)]=2 phenyl actamide
820.	Piperalin	3-[(RS),2=Methylpiperidino] propyl 3,4-diechlorobenzoate
<b>Added vide notification No. G.S.R. 380(E) dated 24th May, 2012</b>		
821.	Theta- Cypermethrin	[1 $\alpha$ (S*),3 $\beta$ ]( $\pm$ )-cyano(3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate
822.	Pyroxasulfone	3-[(5-difluoromethoxy)-1-methyl-3-(trifluoromethyl) pyrazol-4-ylmethylsulfonyl]-4,5-dihydro-5,5-dimethyl-1,2-oxazole
823.	Pyrifluquinazon	1-acetyl-1,2,3,4-tetrahydro-3-[(3-pyridylmethyl)amino]-6-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]quinazolin-2-one
824.	Cyenopyrafen	(E)-2-(4-tert-butylphenyl)-2-cyano-1-(1,3,4-trimethylpyrazol-5-yl)vinyl 2,2-dimethylpropionate
825.	Prohexadione Calcium	Calcium 3-oxido-5-oxo-4-propionylcyclohex-3-enecarboxylate
826.	Saflufenacil	(N <sup>2</sup> -[2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-(trifluoromethyl)3,6-dihydro-1(2H)-pyrimidinyl)benzyl]-N-methylsulfamide)
827.	Fluxapyroxad	3-(9-difluoromethyl)-1-methyl-N-(3',4',5'-trifluorobiphenyl-2-yl)pyrazole-4-carboxamide
828.	Etoazole	(RS)-5-tert-butyl-2{2-(2,6-difluorophenyl)-4,5-dihydro-1,3-oxazol-4-ylphenetole
829.	Bistrifluron	1-[2-chloro-3,5-bis(trifluoromethyl)phenyl]-3-(2,6-difluorobenzoyl)urea
830.	Flupyradifurone	4-[(6-chloro-3-pyridylmethyl)(2,2-difluoroethyl)amino]furan-2(5H)-one

831.	Beflubutamid	(RS)-N-benzyl-2-( $\alpha,\alpha,\alpha,4$ -tetrafluoro- <i>m</i> -tolylloxy)butyramide
832.	Flutolanil	$\alpha,\alpha,\alpha$ -trifluoro-3'-isopropoxy- <i>o</i> -toluanilide
833.	Nitenpyram	(E)-N-(6-chloro-3-pyridylmethyl)-N-ethyl-N'-methyl-2-nitrovinyldene diamine
834.	Pyrifitalid	(RS)-7-(4,6-dimethoxypyrimidin-2-ylthio)-3-methyl-2-benzofuran-1(3H)-one
<b>Added vide notification No. G.S.R. 446(E) dated 28th June, 2013</b>		
835.	Oxathiapiprolin	1-(4-{4-[(5RS)-5-(2,6-difluorophenyl)-4,5-dihydro-1,2-oxazol-3-yl]-1,3-thiazol-2-yl}-1-piperidyl)-2-[5-methyl-3-(trifluoromethyl)-1 <i>H</i> -pyrazol-1-yl]ethanone
836.	Tefuryltrione	2-{2-chloro-4-mesyl-3-[(RS)-tetrahydro-2-furylmethoxymethyl]benzoyl}cyclohexane-1,3-dione
837.	Mesotrione	2-(4-mesyl-2-nitrobenzoyl)cyclohexane-1,3-dione
838.	Flumetralin	<i>N</i> -(2-chloro-6-fluorobenzyl)- <i>N</i> -ethyl- $\alpha,\alpha,\alpha$ -trifluoro-2,6-dinitro- <i>p</i> -toluidine
839.	Flurochloridone	a mixture of the enantiomeric pairs (3RS,4RS;3RS,4SR)-3-chloro-4-chloromethyl-1-( $\alpha,\alpha,\alpha$ -trifluoro- <i>m</i> -tolyl)-2-pyrrolidone (isomers in the ratio 3:1)
840.	American Wormseed Oil, Chenopodium Oil, ECANA and ECANA Mimic	Extract of <i>Chenopodium ambrosioides</i> near <i>ambrosioides</i> and extract of <i>chenopodium ambrosioides</i> near <i>ambrosioides</i> (Mimic)
841.	Quizalofop-P-ethyl	Ethyl (2 <i>R</i> )-2-[4-(6-chloroquinoxalin-2-yloxy) phenoxy] propionate
<b>Added vide notification No. G.S.R. 313(E) dated 6th May, 2014</b>		
842.	Metazosulfuron	1-{3-chloro-1-methyl-4-[(5RS)-5,6-dihydro-5-methyl-1,4,2-dioxazin-3-yl]pyrazol-5-ylsulfonyl}-3-(4,6-dimethoxypyrimidin-2-yl)urea
843.	Spearmint ( <i>Mentha Spicata</i> ) Oil containing L-Carvon, Limonin and Pines	Spearmint Extract
844.	Quinmerac	7-chloro-3-methylquinoline-8-carboxylic acid
845.	Bispyribac-Acid	2,6-bis[(4,6-dimethoxy-2-pyrimidinyl)oxy]benzoic acid
846.	Triflumezopyrim	3,4-dihydro-2,4-dioxo-1-(pyrimidin-5-ylmethyl)-3-( $\alpha,\alpha,\alpha$ -

		trifluoro- <i>m</i> -tolyl)-2 <i>H</i> -pyrido[1,2- <i>a</i> ]pyrimidin-1-ium-3-ide
847.	Renofluthrin	2,3,5,6-Tetrafluoro-4-(methoxymethyl)benzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropane carboxylate
848.	Benzobicyclon	3-(2-chloro-4-mesylbenzoyl)-2-phenylthiobicyclo[3.2.1]oct-2-en-4-one
849.	Dimethyl disulphide (DMDS)	Dimethyl disulphide
850.	N-acetylthiazolidine-4-carboxylic acid (NATCA)	N-acetylthiazolidine-4-carboxylic acid(NATCA)
<b>Added vide notification No. G.S.R. 111(E) dated 20th February, 2013</b>		
851.	Zeta-cypermethrin	<b>CAS Name:</b> (S)-cyano (3-phenoxyphenyl)methyl (+/-)cis/trans 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate <b>IUPAC Name:</b> (S)-a-cyano-3-phenoxybenzyl-(1R)cis-trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate or (S)-a-cyano-3-phenoxybenzyl (1RS,3RS,1SR, 3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate
852.	Florasulam	<b>CAS Name:</b> <i>N</i> -(2,6-difluorophenyl)-8-fluoro-5-methoxy [1,2,4]triazolo[1,5- <i>c</i> ]pyrimidine-2-sulfonamide <b>IUPAC Name:</b> 2',6',8-trifluoro-5-methoxy[1,2,4]triazolo[1,5- <i>c</i> ]pyrimidine-2-sulfonanilide
853.	Triafamone	<b>CAS Name:</b> <i>N</i> -[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl) carbonyl]-6-fluorophenyl]-1,1-difluoro- <i>N</i> -methylmethane sulfonamide <b>IUPAC Name:</b> 2'-[(4,6-dimethoxy-1,3,5-triazin-2-yl) carbonyl]-1,1,6'-trifluoro- <i>N</i> -methylmethanesulfonanilide
854.	Difenacoum	<b>CAS Name:</b> 3-[3-(1,1'-biphenyl)-4-yl]-1,2,3,4-tetrahydro-1-naphthalenyl]-4-hydroxy-2 <i>H</i> -1-benzopyran-2-one <b>IUPAC Name:</b> 3-(3-biphenyl-4-yl)-1,2,3,4-tetrahydro-1-naphthyl)-4-hydroxycoumarin

855.	Bacterial Extract (Physiological Extract of Bacteria and species of Blue Green Algae) Glutamic Acid content as 'Marker'	Extract of bacterial species viz. Bacillus subtilis, Pseudomonas straita and Azotobacter chroococcum with extract of species of Blue green Algae "A. platensis"
856.	Profoxydim	<b>CAS name:</b> 2-[1-[[2-(4-chlorophenoxy) propoxy]imino]butyl]-3-hydroxy-5-(tetrahydro-2 <i>H</i> -thiopyran-3-yl)-2-cyclohexen-1-one  <b>IUPAC Name:</b> (5 <i>RS</i> )-2-{(EZ)-1-[(2 <i>RS</i> )-2-(4-chlorophenoxy) propoxyimino]butyl}-3-hydroxy-5-[(3 <i>RS</i> )-thian-3-yl]cyclohex-2-en-1-one
857.	Brassinolide	(3 <i>aS</i> ,5 <i>S</i> ,6 <i>R</i> ,7 <i>aR</i> ,7 <i>bS</i> ,9 <i>aS</i> ,10 <i>R</i> ,12 <i>aS</i> ,12 <i>bS</i> )-10-[(2 <i>S</i> ,3 <i>R</i> ,4 <i>R</i> ,5 <i>S</i> )-3,4-Dihydroxy-5,6-dimethyl-2-heptyl]-5,6-dihydroxy-7 <i>a</i> ,9 <i>a</i> -dimethylhexadecahydro-3 <i>H</i> -benzo[ <i>c</i> ]indeno[5,4- <i>e</i> ]oxepin-3-one
<b>Added vide notification No. G.S.R. 790(E) dated 11th November, 2014</b>		
858.	Ipfencarbazone	<b>CAS Name:</b> 1-(2,4-dichlorophenyl)- <i>N</i> -(2,4-difluorophenyl)-1,5-dihydro- <i>N</i> -(1-methylethyl)-5-oxo-4 <i>H</i> -1,2,4-triazole-4-carboxamide  <b>IUPAC Name:</b> 1-(2,4-dichlorophenyl)-2',4'-difluoro-1,5-dihydro- <i>N</i> -isopropyl-5-oxo-4 <i>H</i> -1,2,4-triazole-4-carboxanilide
859.	Fluthiacet-methyl	<b>CAS Name:</b> [[2-Chloro-4-fluoro-5-[(tetrahydro-3-oxo-1 <i>H</i> ,3 <i>H</i> -[1,3,4]thiadiazolo[3,4- <i>a</i> ]pyridazin-1-ylidene) amino]phenyl] thio] acetic acid methyl ester  <b>IUPAC Name:</b> methyl 2-[2-chloro-4-fluoro-5-[(3-oxo-5,6,7,8-tetrahydro-[1,3,4]thiadiazolo[3,4- <i>a</i> ]pyridazin-1-ylidene)amino]phenyl]sulfanylacetate
860.	Afidopyrofen	<b>CAS Name:</b> [(3 <i>S</i> ,4 <i>R</i> ,4 <i>aR</i> ,6 <i>S</i> ,6 <i>aS</i> ,12 <i>R</i> ,12 <i>aS</i> ,12 <i>bS</i> )-3-[(cyclopropylcarbonyl)oxy]-1,3,4,4 <i>a</i> ,5,6, 6 <i>a</i> ,12,12 <i>a</i> , 12 <i>b</i> -decahydro-6,12-dihydroxy-4,6 <i>a</i> ,12 <i>b</i> -trimethyl-11-oxo-9-(3-pyridinyl)-2 <i>H</i> ,11 <i>H</i> -naphtho[2,1- <i>b</i> ] pyrano[3,4- <i>e</i> ]pyran-4-yl]methyl cyclopropanecarboxylate  <b>IUPAC Name:</b> [(3 <i>S</i> ,4 <i>R</i> ,4 <i>aR</i> ,6 <i>S</i> ,6 <i>aS</i> ,12 <i>R</i> ,12 <i>aS</i> ,12 <i>bS</i> )-3-(cyclopropylcarbonyloxy)-1,2,3,4,4 <i>a</i> ,5,6,6 <i>a</i> ,12 <i>a</i> ,12 <i>b</i> -decahydro-6,12-dihydroxy-4,6 <i>a</i> ,12 <i>b</i> -trimethyl-11-oxo-9-(3-pyridyl)-11 <i>H</i> ,12 <i>H</i> -benzo[ <i>f</i> ]pyrano[4,3- <i>b</i> ]chromen-4-

		yl)methyl cyclopropanecarboxylate
861.	Isopyrazam	<p><b>CAS Name:</b> 3-(difluoromethyl)-1-methyl-<i>N</i>-[1,2,3,4-tetrahydro-9-(1-methylethyl)-1,4-methanonaphthalen-5-yl]-1<i>H</i>-pyrazole-4-carboxamide</p> <p><b>IUPAC Name:</b> mixture of 2 <i>syn</i>-isomers 3-(difluoromethyl)-1-methyl-<i>N</i>-[(1<i>RS</i>,4<i>SR</i>,9<i>RS</i>)-1,2,3,4-tetrahydro-9-isopropyl-1,4-methanonaphthalen-5-yl]pyrazole-4-carboxamide and 2 <i>anti</i>-isomers 3-(difluoromethyl)-1-methyl-<i>N</i>-[(1<i>RS</i>,4<i>SR</i>,9<i>SR</i>)-1,2,3,4-tetrahydro-9-isopropyl-1,4-methanonaphthalen-5-yl]pyrazole-4-carboxamide</p>
862.	Sedaxane	<p><b>CAS Name:</b> <i>N</i>-[2-[1,1'-bicyclopropyl]-2-ylphenyl]-3-(difluoromethyl)-1-methyl-1<i>H</i>-pyrazole-4-carboxamide</p> <p><b>IUPAC Name:</b> mixture of 2 <i>cis</i>-isomers 2'-[(1<i>RS</i>,2<i>RS</i>)-1,1'-bicycloprop-2-yl]-3-(difluoromethyl)-1-methylpyrazole-4-carboxanilide and 2 <i>trans</i>-isomers 2'-[(1<i>RS</i>,2<i>SR</i>)-1,1'-bicycloprop-2-yl]-3-(difluoromethyl)-1-methylpyrazole-4-carboxanilide</p>
863.	Solatenol	<i>N</i> -[(1 <i>RS</i> ,4 <i>SR</i> )-9-(Dichloromethylidene)-1,2,3,4-tetrahydro-1,4-methanonaphthalen-5-yl]-3-(difluoromethyl)-1-methyl-1 <i>H</i> -pyrazole-4-carboxamide
864.	Fosthiazate	<p><b>CAS Name:</b> <i>O</i>-ethyl <i>S</i>-(1-methylpropyl) <i>P</i>-(2-oxo-3-thiazolidinyl)phosphonothioate</p> <p><b>IUPAC Name:</b> (<i>RS</i>)-[<i>S</i>-(<i>RS</i>)-<i>sec</i>-butyl <i>O</i>-ethyl 2-oxo-1,3-thiazolidin-3-ylphosphonothioate]</p> <p style="text-align: center;"><b>or</b></p> <p>(<i>3RS</i>)-3-[(<i>RS</i>)-<i>sec</i>-butylthio(ethoxy)phosphinoyl]-1,3-thiazolidin-2-one</p>
865.	Halauxifen -methyl	<p><b>CAS Name:</b> methyl 4-amino-3-chloro-6-(4-chloro-2-fluoro-3-methoxyphenyl)-2-pyridinecarboxylate</p> <p><b>IUPAC Name:</b> methyl 4-amino-3-chloro-6-(4-chloro-2-fluoro-3-methoxyphenyl)pyridine-2-carboxylate</p> <p style="text-align: center;"><b>or</b></p> <p>methyl 4-amino-3-chloro-6-(4-chloro-2-fluoro-3-methoxyphenyl)picolinate</p>

866.	Matrine	<b>IUPAC Name:</b> (7a <i>S</i> ,13a <i>R</i> ,13b <i>R</i> ,13c <i>S</i> )-dodecahydro-1 <i>H</i> ,5 <i>H</i> ,10 <i>H</i> -dipyrido[2,1- <i>f</i> :3',2',1'- <i>ij</i> ][1,6]naphthyridin-10-one
867.	2-phenylphenol	<b>CAS Name:</b> [1,1'-biphenyl]-2-ol <b>IUPAC Name:</b> biphenyl-2-ol
868.	Poly-D-Glucosamine	Poly-(1,4)-2-amino-2-deoxy-β-D-Glucan
869.	Polyoxin(Polyoxin-B, Polyoxin-D, Polyoxin-AL)	<b>CAS Name:</b> 5-[[2-amino-5- <i>O</i> -(aminocarbonyl)-2-deoxy-L-xylonoyl]amino]-1-(5-carboxy-3,4-dihydro-2,4-dioxo-1(2 <i>H</i> )-pyrimidinyl)-1,5-dideoxy-β-D-allofuranuronic acid <b>IUPAC Name:</b> 5-(2-amino-5- <i>O</i> -carbamoyl-2-deoxy-L-xylonamido)-1-(5-carboxy-1,2,3,4-tetrahydro-2,4-dioxopyrimidin-1-yl)-1,5-dideoxy-β-D-allofuranuronic acid
870	Polyoxorim	<b>CAS Name:</b> 5-[[2-amino-5- <i>O</i> -(aminocarbonyl)-2-deoxy-L-xylonoyl]amino]-1-(5-carboxy-3,4-dihydro-2,4-dioxo-1(2 <i>H</i> )-pyrimidinyl)-1,5-dideoxy-β-D-allofuranuronic acid <b>IUPAC Name:</b> 5-(2-amino-5- <i>O</i> -carbamoyl-2-deoxy-L-xylonamido)-1-(5-carboxy-1,2,3,4-tetrahydro-2,4-dioxopyrimidin-1-yl)-1,5-dideoxy-β-D-allofuranuronic acid

**Added vide notification No. S.O. S.O. 3385(E) dated 27<sup>th</sup> October, 2016**

871	<b>Copper sulfate (tribasic)</b>	<b>CAS/CAS RN No.</b> 1333-22-8 <b>IUPAC NAME:</b> cupric sulfate-tricupric hydroxide <b>CAS NAME:</b> copper hydroxide sulfate
872	<b>Benzovindiflupyr</b>	<b>CAS/CAS RN No.</b> 1072957-71-1 <b>IUPAC NAME:</b> N-[(1 <i>RS</i> ,4 <i>SR</i> )-9-(dichloromethylene)-1,2,3,4,- tetrahydro-1,4-methanonaphthalen-5-yl]-3-(difluoromethyl)-1- methylpyrazole-4-carboxamide <b>CAS NAME:</b> N-[9-(dichloromethylene)-1,2,3,4-tetrahydro-1,4-methanonaphthalen-5-yl]-3-(difluoromethyl)-1-methyl-1 <i>H</i> -pyrazole-4- carboxamide
873	<b>Propisochlor</b>	<b>CAS/CAS RN No.</b> 86763-47-5 <b>IUPAC NAME:</b> 2-chloro-6'-ethyl- <i>N</i> -isopropoxymethylacet- <i>o</i> -toluidide <b>CAS NAME:</b> 2-chloro- <i>N</i> -(2-ethyl-6-methylphenyl)- <i>N</i> -[(1-methylethoxy)methyl]acetamide

874	<b>Oxine copper</b>	<b>CAS/CAS RN No.</b> 10380-28-6 <b>IUPAC NAME:</b> bis(quinolin-8-olato- <i>O,N</i> )copper(II) or cupric 8-quinolinoxide <b>CAS NAME:</b> bis(8-quinolinolato- $\kappa N1, \kappa O8$ )copper
875	<b>Trifludimoxazin</b>	<b>CAS/CAS RN No.</b> 1258836-72-4 <b>IUPAC NAME:</b> 1,5-dimethyl-6-thioxo-3-(2,2,7-trifluoro-3,4-dihydro-3-oxo-4-prop-2-ynyl-2 <i>H</i> -1,4-benzoxazin-6-yl)-1,3,5-triazinane-2,4-dione <b>CAS NAME:</b> dihydro-1,5-dimethyl-6-thioxo-3-[2,2,7-trifluoro-3,4-dihydro-3-oxo-4-(2-propyn-1-yl)-2 <i>H</i> -1,4-benzoxazin-6-yl]-1,3,5-triazine-2,4(1 <i>H</i> ,3 <i>H</i> )-dione
876	<b>Nitrobenzene</b>	<b>CAS/CAS RN No.</b> 98-95-3 <b>IUPAC NAME:</b> Nitrobenzene <b>CAS NAME:</b> Nitrobenzene
877	<b>Spirodiclofen</b>	<b>CAS/CAS RN No.</b> 148477-71-8 <b>IUPAC NAME:</b> 3-(2,4-dichlorophenyl)-2-oxo-1-oxaspiro[4.5]dec-3-en-4-yl 2,2-dimethylbutyrate <b>CAS NAME:</b> 3-(2,4-dichlorophenyl)-2-oxo-1-oxaspiro[4.5]dec-3-en-4-yl 2,2-dimethylbutanoate
878	<b>Pyriofenone</b>	<b>CAS/CAS RN No.</b> 688046-61-9 <b>IUPAC NAME:</b> (5-chloro-2-methoxy-4-methyl-3-pyridyl)(4,5,6-trimethoxy- <i>o</i> -tolyl)methanone <b>CAS NAME:</b> (5-chloro-2-methoxy-4-methyl-3-pyridinyl)(2,3,4-trimethoxy-6-methylphenyl)methanone
879	<b>Broflanilide</b>	<b>CAS/CAS RN No.</b> 1207727-04-5 <b>IUPAC NAME:</b> 6'-bromo- $\alpha, \alpha, \alpha$ -2-tetrafluoro-3-( <i>N</i> -methylbenzamido)-4'-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]benz- <i>o</i> -toluidide <b>CAS NAME:</b> 3-(benzoylmethylamino)- <i>N</i> -[2-bromo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-(trifluoromethyl)phenyl]-2-fluorobenzamide
880	<b>Tiadinil</b>	<b>CAS/CAS RN No.</b> 223580-51-6 <b>IUPAC NAME:</b> 3'-chloro-4,4'-dimethyl-1,2,3-thiadiazole-5-carboxanilide <b>CAS NAME:</b> <i>N</i> -(3-chloro-4-methylphenyl)-4-methyl-1,2,3-thiadiazole-5-carboxamide
881	<b><i>N</i>-Methylene phosphoic chitosan</b>	<b>CAS/CAS RN No.</b> 228566-31-2 <b>IUPAC NAME:</b> <i>N</i> -Methylene Phosphoic Chitosan <b>CAS NAME:</b> <i>N</i> -Methylene Phosphoic Chitosan
882	<b>Prothioconazole</b>	<b>CAS/CAS RN No.</b> 178928-70-6 <b>IUPAC NAME:</b> ( <i>RS</i> )-2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-2,4-dihydro-1,2,4-triazole-3-thione <b>CAS NAME:</b> 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-2,4-dihydro-3 <i>H</i> -1,2,4-triazole-3-thione
883	<b>Fluoxastrobin</b>	<b>CAS/CAS RN No.</b> 361377-29-9 <b>IUPAC NAME:</b> ( <i>E</i> )-{2-[6-(2-chlorophenoxy)-5-fluoropyrimidin-4-yl]oxy}phenyl}(5,6-dihydro-1,4,2-dioxazin-3-yl)methanone <i>O</i> methylxime <b>CAS NAME:</b> (1 <i>E</i> )-(2-{[6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl]oxy}phenyl)(5,6-dihydro-1,4,2-dioxazin-3-

		yl)methanone Omethyloxime
884	<b>Tetraniliprole</b>	<p><b>CAS/CAS RN No.</b> 1229654-66-3</p> <p><b>IUPAC NAME:</b> 1-(3-chloro-2-pyridyl)-4'-cyano-2'-methyl-6'- methylcarbamoyl-3-{[5-(trifluoromethyl)-2H-tetrazol-2- yl]methyl}pyrazole-5-carboxanilide</p> <p><b>CAS NAME:</b> 1-(3-chloro-2-pyridyl)-N-[4-cyano-2-methyl-6- [(methylamino) carbonyl]phenyl]-3-{[5-(trifluoromethyl)-2H-tetrazol-2- yl]methyl}-1H-pyrazole-5-carboxamide</p>
885	<b>Tefluthrin</b>	<p><b>CAS/CAS RN No.</b> 79538-32-2</p> <p><b>IUPAC NAME:</b> 2,3,5,6-tetrafluoro-4-methylbenzyl (1RS,3RS)-3-[(Z)-2- chloro-3,3,3-trifluoroprop-1-enyl]-2,2-dimethylcyclopropanecarboxylate</p> <p>or</p> <p>2,3,5,6-tetrafluoro-4-methylbenzyl (1RS)-cis-3-[(Z)-2-chloro-3,3,3- trifluoroprop-1-enyl]-2,2-dimethylcyclopropanecarboxylate</p> <p><b>CAS NAME:</b> (2,3,5,6-tetrafluoro-4-methylphenyl)methyl (1R,3R)-rel-3- [(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2- dimethylcyclopropanecarboxylate</p>
886	<b>Meperfluthrin</b>	<p><b>CAS/CAS RN No.</b> 915288-13-0</p> <p><b>IUPAC NAME:</b> 2,3,5,6-tetrafluoro-4-(methoxymethyl)benzyl(1R,3S)-3- (2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate</p> <p>or</p> <p>2,3,5,6-tetrafluoro-4-(methoxymethyl)benzyl(1R)-trans-3-(2,2- dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate</p> <p><b>CAS NAME:</b> [2,3,5,6-tetrafluoro-4-(methoxymethyl)phenyl]methyl (1R,3S)-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate</p>
887	<b>Fluroxypyr-meptyl</b>	<p><b>CAS/CAS RN No.</b> 81406-37-3</p> <p><b>IUPAC NAME:</b> (RS)-1-methylheptyl [(4-amino-3,5-dichloro-6- fluoro-2-pyridinyl)oxy]acetate</p> <p><b>CAS NAME:</b> 2-butoxy-1-methylethyl[(4-amino-3,5-dichloro-6-fluoro-2- pyridinyl)oxy] acetate</p>
888	<b>Isofetamid</b>	<p><b>CAS/CAS RN No.</b> 875915-78-9</p> <p><b>IUPAC NAME:</b> N-[1,1-dimethyl-2-(4-isopropoxy-o-tolyl)-2-oxoethyl]- 3-methylthiophene-2-carboxamide</p> <p><b>CAS NAME:</b> N-[1,1-dimethyl-2-[2-methyl-4-(1-methylethoxy)phenyl]- 2-oxoethyl]-3-methyl-2-thiophenecarboxamide</p>
889	<b>Acequinocyl</b>	<p><b>CAS/CAS RN No.</b> 57960-19-7</p> <p><b>IUPAC NAME:</b> 3-dodecyl-1,4-dihydro-1,4-dioxo-2-naphthyl acetate</p> <p><b>CAS NAME:</b> 2-(acetyloxy)3-dodecyl-1,4-naphthalenedione</p>
890	<b>Calcium copper sulphate/ Copper calcium sulphate</b>	<p><b>CAS/CAS RN No.</b> 8011-63-0</p> <p><b>IUPAC NAME:</b> A mixture, with or without stabilizing agents, of calcium hydroxide and copper (II) sulfate</p> <p><b>CAS NAME:</b> Bordeaux mixture</p>



## The Insecticides Rules, 1971

### CHAPTER II

#### FUNCTIONS OF THE BOARD, REGISTRATION COMMITTEE AND LABORATORY

##### 3. Functions of the Board

The Board shall, in addition to the functions assigned to it by the Act, carry out the following functions, namely:

- a. advise the Central Government on the manufacture of insecticides under the Industries (Development and Regulation) Act, 1951 (65 of 1951);
- b. specify the uses of the classification of insecticides on the basis of their toxicity as well as their being suitable for aerial application;
- c. advise tolerance limits for insecticides, residues and an establishment of minimum intervals between the application of insecticides and harvest in respect of various commodities;
- d. specify the shelf-life of insecticides;
- e. suggest colourisation, including colouring matter which may be mixed with concentrates of insecticides, particularly those of highly toxic nature;
- f. carry out such other functions as are supplemental, incidental or consequential to any of the functions conferred by the Act or these rules.

##### 4. Functions of Registration Committee

The Registration Committee shall, in addition to the functions assigned to it by the Act, perform the following functions namely :

- a. specify the precautions to be taken against poisoning through the use or handling of insecticides;
- b. carry out such other incidental or consequential matters necessary for carrying out the functions assigned to it under the Act or these rules.

##### 5. Functions of Laboratory

The functions of the Laboratory shall be as follows :

- a. to analyse such samples of insecticides sent to it under the Act by any officer or authority authorized by the Central or State Governments and submission of certificates of analysis to the concerned authority;
- b. to analyse samples of materials for insecticide residues under the provisions of the Act;
- c. to carry out such investigations as may be necessary for the purpose of ensuring the conditions of registration of insecticides;
- d. to determine the efficacy and toxicity of insecticides;

- e. to carry out such other functions as may be interested to it by the Central Government or by a State Government with the permission of the Central Government and after consultation with the Board.

## **CHAPTER III**

### **REGISTRATION OF INSECTICIDES**

#### **6. Manner of registration**

1. a. An application for registration of an insecticide under the Act shall be made in Form I and the said Form including the verification portion, shall be signed in case of an individual by the individual himself or a person duly authorized by him; in case of Hindu Undivided Family, by the Karta or any person duly authorized by him; in case of partnership firm by the managing partner; in case of a company, by any person duly authorized in that behalf by the Board of Directors; and in any other case by the person in-charge or responsible for the conduct of the business. Any change in members of Hindu Undivided Family or partners or the Board of Directors or the person in charge, as the case may be, shall be forthwith intimated to the Secretary, Central Insecticides Board and Registration Committee and the Licensing Officer.
- b. The Registration Committee may, if necessary, direct inspection of the 'testing facility' for establishing the authenticity of the data.
2. An application form duly filled together with a bank draft, drawn in favor of the Accounts Officer, Directorate or Plant Protection, Quarantine & Storage, payable at Faridabad towards registration fee shall be sent to the Secretary, Registration Committee, Directorate of Plant Protection, Quarantine & Storage, NH-IV, Faridabad-121001, Haryana. The fee shall be payable as follows:-
  - i. rupees five thousand each in case of application for registration under Sections 9(3) and 9(3B) of the Insecticides Act, 1968;
  - ii. rupees two thousand five hundred in case of application for registration under Section 9(4) of the Insecticides Act, 1968.
3. The registration fee payable shall be paid by a demand draft drawn on the State Bank of India, Faridabad, in favour of the Accounts Officer, Directorate of Plant Protection, Quarantine and Storage, Faridabad, Haryana.
4. The certificate of registration shall be in Form II or Form II-A, as the case may be and shall be subject to such conditions as specified therein.

#### **6A. Issue of duplicate certificate of registration**

A fee of rupees one hundred shall be paid in the form of demand draft drawn on the State bank of India, Faridabad in favour of the Accounts Officer, Directorate of Plant Protection, Quarantine & Storage, Faridabad, Haryana for a duplicate

copy of a Certificate of Registration if the original is defaced, damaged or lost.

**6B. Addition, deletion or alteration on the Certificate of Registration including labels and leaflets**

A Fee of rupees one hundred shall be paid in the form of demand draft drawn on the State Bank of India, Faridabad, in favour of the Accounts Officer, Directorate of Plant Protection, Quarantine and Storage, Faridabad, Haryana on each occasion for each Certificate of Registration for addition, deletion, alternation on the Certificate of Registration including labels and leaflets.

**7. Appeal**

1. An appeal against any decision of the Registration Committee under section 9 shall be preferred in writing [in Form II-B, in duplicate] to the Central Government in the Department of Agriculture.
2. The appeal shall be in writing and shall set out concisely and under distinct heads the grounds on which the appeal is preferred.
3. The appellant can submit a DD of Rs.100/- towards fee as per stay order of High Court of Gujarat. However, the appellant shall have to pay the revised fee for registration as per the out come of Writ Petition No.5303/1999 filed by Gujarat Pesticides Formulators Association vs. Union of India pending for final disposal in the Hon'ble High Court of Gujarat at Ahmedabad".
4. The fee payable for preferring an appeal shall be paid by a demand draft drawn on the State Bank of India, New Delhi in favor of the Pay and Accounts Officer, Department of Agriculture & Cooperation, New Delhi.

**8. Manner of publication of refusal to register or cancellation of certificate of registration**

A refusal to register an insecticide or a cancellation of the certificate of registration of an insecticide shall also be published in any two English and Hindi newspapers which have circulation in a substantial part of India and in any of the journals published by the Department of Agriculture of the Government of India.

## **CHAPTER IV**

### **GRANT OF LICENCES**

**9. Licences to manufacture insecticides**

1. Application for the grant or renewal of a licence to manufacture any insecticide shall be made in Form III or Form IV, as the case may be, to the licensing officer and shall be accompanied by a fee of rupees two thousand for every insecticide and a maximum of rupees twenty thousand for all insecticides for which the licence is applied.

2. If an insecticide is proposed to be manufactured at more than one place, separate applications shall be made and separate licences shall be issued in respect of every such place.
3. A licence to manufacture insecticides shall be issued in Form V and shall be subject to the following conditions, namely:
  - i. The licence and any certificate of renewal shall be kept on the approved premises and shall be produced for inspection at the request of an Insecticide Inspector appointed under the Act or any other officer or authority authorized by the licensing officer.
  - ii. Any change in the expert staff named in the licence shall forthwith be reported to the licensing officer.
  - iii. If the licensee wants to undertake during the currency of the licence to manufacture for sale of additional insecticides, he shall apply to the licensing officer for the necessary endorsement in the licence on payment of the prescribed fee for every category of insecticides.
  - iv. An application for the renewal of a licence shall be made as laid down in rule 11.
  - v. The licensee shall comply with the provisions of the Act and the rules made there under for the time being in force.
  - vi. The licensee shall obtain ISI Mark Certificate from Bureau of Indian Standard within three months of the commencement of the manufacture.
  - vii. No Insecticides shall be sold or distributed without ISI Mark Certification.
4. A licensing officer may, after giving reasonable opportunity of being heard, to the applicant, refuse to grant any license.
- 4A. No license to manufacture an insecticide shall be granted unless the licensing officer is satisfied that necessary plant and machinery, safety devices and first-aid facilities, etc., exist in the premises where the insecticide is proposed to be manufactured.
5. A fee of rupees one hundred shall be paid for a duplicate copy of a licence issued under this rule, if the original is defaced, damaged or lost.

#### **10. Licence for sale, etc., of insecticides**

1. Applications for the grant or renewal of a licence to sell, stock or exhibit for sale or distribute insecticides shall be made in Form VI or Form VII, as the case may be, to the licensing officer and shall be accompanied by the fees specified in sub-rule (2).

2. The fee payable under sub-rule (1) for grant or renewal of a licence shall be rupees five hundred for every insecticide for which the licence is applied subject to maximum rupees seven thousand five hundred. There shall be a separate fee for each place, if any insecticide is sold, stocked or exhibited for sale at more than one place:

PROVIDED that the maximum fee payable in respect of insecticides commonly used for household purposes and registered as such shall be rupees seven thousand five hundred for every place:

PROVIDED further that, if the place of sale is established in the rural areas, the fee shall be one fifth of the fee specified in this rule.

3. If any insecticide is proposed to be sold or stocked for sale at more than one place, separate applications shall be made and separate licences shall be issued in respect of every such place [and for every insecticides.]

### **3A. Pest Control Operators—**

- i. Any person who desires to undertake pest control operations, with the use of Aluminum Phosphide, Methyl bromide. Ethylene dibromide or as notified shall apply for a licence in Form VI-A with a fee of rupees one thousand for each place of operation. The licence granted for such operations shall be valid for a period of five years provided that the licence shall be renewed after verification or inspection at the expiry of this period on application in Form VI-B for a further period of five years with an application fee of rupees one thousand.
  - ii. A licence to stock and use insecticides for pest control operators will be issued in Form VI-C.
  - iii. Any person who applies for grant of licence for undertaking pest control operations should be at least a graduate in Agriculture or in Science with Chemistry as a subject with a certificate of minimum 15 days training from any of the following Institutions-Central Food Technological Research Institute, Mysore; Indian Grain Storage Institute, Hapur and National Plant Protection Training Institute, Hyderabad.
  - iv. For undertaking fumigation, the pest control operators shall have to obtain special permission from the Plant Protection Adviser to the Government of India in addition to obtaining licence. The Plant Protection Adviser will grant such permission as per procedure or guide lines approved by the Registration Committee.
  - v. The commercial pest control operators shall adhere to the prescribed guidelines or procedures as laid down by the Plant Protection Adviser to the Government of India in regard to the fumigation operations undertaken by them.
4. A licence to sell, stock or exhibit for sale or distribute insecticides shall be

issued in Form VIII and shall be subject to the following conditions, namely:

- i.** The licence shall be displayed, in a prominent place in the part of the premises open to the public.
  - ii.** The licence shall comply with the provisions of the Act, and the rules made there under for the time being in force.
  - iii.** Where the licensee wants to sell, stock or exhibit for sale or distribute any additional insecticides during the currency of the licence, he may apply to the licensing officer for necessary endorsement on the licence on payment of fees specified in sub-rule (2).
  - iv.** If the licensing officer is satisfied that a particular insecticide is harmful to human beings, animals or environment, he may after recording reasons and referring the Insecticide to the Insecticide analyst, prohibit temporarily its sale for a period of thirty days or till he obtains the report of the Analyst, whichever is earlier.
- 4A. i.** Every person shall along with his application for grant or renewal of a licence to undertake operation or sell, stock or exhibit for sale or distribute Insecticides, file a certificate from the principal whom he represents or desires to represent the Form VI-D.
- ii.** The certificate to be issued by the principal shall be addressed to the licensing officer of the concerned area and shall contain full particulars of the principal including their registration and manufacturing licence numbers, full name and address of the person proposed to be authorized and also the type of formulations to be used in commercial pest control operations, sold, stocked or exhibited, for sale or distribution.
  - iii.** In order to verify the genuineness or otherwise of the certificate, principal shall send to the licensing officer of the State where he intends to sell his products an adequate number of copies of the specimen signature or the specimen signatures of the persons authorized in writing to issue the principal's certificate.
  - iv.** In case of suspension, revocation or cancellation of the certificate, the principal shall forthwith intimate the licensing officer having jurisdiction.
- 5.** A licensing officer may, after giving a reasonable opportunity of being heard to the applicant refuse to grant any licence.
- 6.** A fee of rupees one hundred shall be payable for a duplicate copy of a licence issued under this rule if the original is defaced, damaged or lost.

#### **10A. Segregation and disposal of date-expired pesticides**

- a.** Immediately after the date of expiry all such stocks after being segregated and stamped 'not for sale' or 'not for use' or 'not for manufacture', as the case may be, shall be kept by the licensee in a separate place specially

demarcated for the purpose with a declaration, date-expired insecticide, to be exhibited on the conspicuous part of the place.

- b.** All such stocks then shall be disposed of in an environment friendly manner as may be specified from time to time by the Central Government in consultation with the Central Insecticides Board and shall not be used for remanufacture.

#### **10B. Special provision with regard to sulphur**

With regard to insecticide sulphur and its formulations, all licensees shall,--

- a.** observe all precautions to prevent its theft;
- b.** report any such theft to the nearest police authorities promptly; and
- c.** maintain a separate register showing names and addresses of all the persons to whom it has been sold or distributed and the quantities to be sold or distributed.

#### **10C. Prohibition against sale or storage of insecticides in certain places**

No person shall manufacture, store or expose for sale or permit the sale or storage of any insecticide in the same building where any articles consumable by human beings or animals are manufactured, stored or exposed for sale.

Explanation : Nothing contained in this rule will apply to the retail sales of household insecticides from the building wherefrom other articles consumable by human beings or animals are usually sold provided such household insecticides have been registered as such and are packed and labelled in accordance with these rules.

#### **11. Duration of licences**

- a.** Any licence issued or renewed under this chapter shall, unless sooner suspended or cancelled, be in force for a period of two calendar years:

PROVIDED that the licence to manufacture insecticides, if any, issued on the basis of provisional registration granted under sub-section (3-B) of section 9, shall expire on the date of expiry of the provisional registration:

PROVIDED further that the licence granted by endorsement on the main licence under clause (iii) of sub-rule (8) of rule 9 or under clause (iii) of sub-rule (4) of rule 10 or under sub-rule (3) of rule 10-A shall expire or be renewable along with the main licence.

- b.** An application for the renewal of a licence shall be made before its expiry and if such an application is made after the date of expiry but within three months from such date, a late fee of—
  - i.** rupees five hundred for the first month or part thereof, rupees one thousand for the second month or part thereof and rupees one thousand and five hundred for the third month or part thereof, in case of licence to manufacture insecticides or to carry pest control operations;

- ii. rupees one hundred for the first month or part thereof, rupees two hundred for the second month or part thereof and rupees three hundred for the third month or part thereof, in case of any other licence shall be paid along with the application for renewal:

PROVIDED that where the main pest control operation unit or the place of sale is located in the rural areas, the late fee shall be one-fifth of the said late fee:

PROVIDED further that in case of death or disability of the licensee, the Licensing Officer may after recording reasons in writing, exempt the applicant from payment of the late fee.

**Explanation:** (1) Where an application for renewal is made before the expiry of the licence and the order regarding refusal or renewal is passed after the expiry of the licence, the applicant shall be deemed to have been carrying on his business in accordance with the expired licence till the date of communication of the final order on that application.

- 2. Where an application for renewal is made after the expiry of the licence with late fee, the applicant shall be deemed to have been carrying on his business in accordance, with the expired licence (from the date of expiry) till the date of communication of the final order on that application.
- c. The licence shall continue to be in force until it is renewed or revoked. Where an appeal is preferred under Section 15, the licence shall continue to be revoked until disposal of appeal or as ordered by the appellate authority pending disposal of the appeal.
- d. A licensing officer may, after giving an opportunity of being heard, refuse to renew the licence [for reasons to be recorded in writing].

## **12. Conditions of licence**

- a. Subject to conditions laid down in sub-rule (3) of rule 9, under sub-rule (4) of rule 10, a licence shall not be granted to any person under this chapter unless the licensing officer is satisfied and the premises in respect of which licence is to be granted are adequate and equipped with proper storage accommodation for avoiding any hazards for preserving the properties of insecticides in respect of which the licence is granted.
- b. In granting a licence, the licensing officer shall have regard, among other things to—
  - i. the number of licences granted in the locality during any year; and
  - ii. the occupation, trade or business carried on by the applicant.

## **13. Varying or amending a licence**

- 1. The licensing officer may either on an application made by the licensee or if he is satisfied that the conditions under which a licence has been granted

under this chapter have been changed that it is necessary so to do, vary or amend a licence, [after satisfying himself that the Registration Committee has amended the registration certificate and after giving an opportunity of being heard to the person holding the licence].

#### **14. Transfer of licence**

- 1.** The holder of a licence may, at any time, before the expiry of the licence, apply for permission to transfer the licence to any other person.
- 2.** The application under sub-rule (1) shall be accompanied by a fee of rupees one hundred.
- 3.** The licensing officer may, after such inquiry as he thinks fit, accord permission to transfer the licence and on such permission being given, an endorsement to that effect shall be made in the licence.
- 4.** If the permission to transfer a licence is refused, the fee paid therefore shall be refunded to the applicant.

#### **15. Issuing cash memo and maintenance of records**

- 1.** All sales of insecticides shall be made by a bill or cash memo in the form prescribed under any law.
- 2.** All sales of insecticides made to a licensed manufacturer (formulator or packer), stockist, distributor, dealer, retailer or to a bulk consumer shall be entered insecticide wise, in a register in Form XIII and a state wise monthly return of all sales to actual consumers shall be sent to the licensing officer, in Form XIV within 15 days from the close of the month.
- 3.** Every importer or manufacturer of insecticide shall maintain a stock register in Form XV for technical grade insecticides and in Form XVI for formulated insecticides.
- 4.** Without prejudice to the foregoing, the Central Government or the State Government or any other person authorized by it may, by notice in writing require any importer or manufacturer or any other person dealing in insecticides to furnish within the time specified in the notice, such information with respect of any insecticides or any batch thereof, including the particulars of all persons to whom it has been sold or distributed, as it may consider necessary.

## **CHAPTER V**

### **PACKING AND LABELLING**

#### **16. Prohibition of sale or distribution unless packed and labelled**

No person shall stock or exhibit for sale or distribute [or cause to be transported] any insecticide unless it is packed and labelled in accordance with

the provisions of these rules.

#### **17. Packaging of insecticides**

- 1.** Every package containing the insecticides shall be of a type approved by the Registration Committee.
- 2.** Before putting any insecticide into the primary package, every batch thereof shall be analysed as per the relevant specifications of the manufacture thereof, in accordance with the approved methods of analysis and the result of such an analysis shall be recorded in the register maintained for the purpose. If any insecticide is put in the package it shall be presumed that it is fit and ready for sale, distribution or use for which it is intended, notwithstanding the fact that any further steps are still required to be taken to make it marketable.

#### **18. Leaflet to be contained in a package**

- 1.** [The packing of every insecticides shall include a leaflet containing the following details, namely
  - a.** the plant disease, insects and noxious animals or weeds for which the insecticide is to be applied, the adequate direction concerning the manner in which the insecticide is to be used at the time of application;
  - b.** particulars regarding chemicals harmful to human beings, animals and wild life, warning and cautionary statements including the symptoms of poisoning suitable and adequate safety measures and emergency first-aid treatment where necessary;
  - c.** cautions regarding storage and application of insecticides with suitable warnings relating to inflammable, explosive or other substance harmful to the skin;
  - d.** instructions concerning the decontamination or safe disposal of used containers;
  - e.** a statement showing the antidote for the poison shall be included in the leaflet and the label;
  - f.** if the insecticide is irritating to the skin, nose, throat or eyes, a statement shall be included to that effect.
  - g.** Common name of the insecticide as adopted by the International Standards Organisation and where such a name has not yet been adopted such other name as may be approved by the Registration Committee.]
- 2.** Two copies of the leaflets duly approved by the Registration Committee and signed by the Secretary, Registration Committee, shall be returned to the manufacturer and one copy to the State-licensing officer.

## 19. Manner of labelling

1. The following particulars shall be either printed or written in indelible ink on the label of the innermost container of any insecticide and on the outer most covering in which the container is packed:
  - i. Name of the manufacturer (if the manufacturer is not the person in whose name the insecticide is registered under the Act, the relationship between the person in whose name the insecticide has been registered and the person who manufactures, packs or distributes or sells shall be stated)
  - ii. Name of insecticide (brand name or trade mark under which the insecticide is sold).
  - iii. Registration number of the insecticide.
  - iv. Kind and name of active and other ingredients and percentage of each. (Common name accepted by the International Standards Organisation or the Indian Standards Institutions of each of the ingredients shall be given and if no common name exists, the correct chemical name which conforms most closely with the generally accepted rules of chemical nomenclature shall be given).
  - v. Net content of volume. (The net contents shall be exclusive of wrapper or other material. The correct statement of the net content to terms of weight, measure, number of units of activity, as the case may be, shall be given. The weight and volume shall be expressed in the metric system).
  - vi. Batch number.
  - vii. Expiry date, i.e. up to the date the insecticide shall retain its efficiency and safety.
  - viii. Antidote statement.
2. The label shall be so affixed to the containers that it cannot be ordinarily removed.
3. The label shall contain in a prominent place and occupying not less than one-sixteenth of the total area of the face of the label, a square, set at an angle of  $45^{\circ}$  (diamond shape). The dimension of the said square shall depend on the size of the package on which the label is to be affixed. The said square shall be divided into two equal triangles, the upper portion shall contain the symbol and signal word specified in sub-rule (4) and the lower portion shall contain the colour specified in sub-rule (5).
4. The upper portion of the square, referred to in sub-rule (3) shall contain the following symbols and warning statements—
  - i. Insecticides belonging to Category I (Extremely toxic) shall contain the symbol of a skull and cross-bones and the word "POISON" printed in

red;

The following warning statements shall also appear on the label at appropriate place, outside the triangle,

- a. "KEEP OUT OF THE REACH OF CHILDREN"
  - b. "IF SWALLOWED, OR IF, SYMPTOMS OF POISONING OCCUR CALL PHYSICIAN IMMEDIATELY";
  - ii. insecticides in Category II (highly toxic) will contain the word "POISON" printed in red and the statement "KEEP OUT OF THE REACH OF CHILDREN"; shall also appear on the label at appropriate place, outside the triangle,
  - iii. insecticides in Category III (moderately toxic) shall bear the word "DANGER" and the statement "KEEP OUT OF THE REACH OF CHILDREN"; shall also appear on the label at suitable place outside the triangle;
  - iv. insecticides in Category IV (Slightly toxic) shall bear the word "CAUTION".
5. The lower portion of the square referred to in sub-rule (4) shall contain the colour specified in column (4) of the table below, depending on the classification of the insecticides specified in the corresponding entry in column (1) of the said table.

**TABLE**

Classification of the Insecticides	Medium lethal dose by the oral route acute toxicity LD 50 mg/kg.. body weight of test animals	Medium lethal dose by the dermal route dermal toxicity LD 50 mg/kg. Body weight of test animals	Colour of identification band on the label
1	2	3	4
1. Extremely toxic	1-50	1-200	Bright red
2. Highly toxic	51-500	201-2000	Bright yellow
3. Moderately toxic	501-5000	2001-20000	Bright blue
4. Slightly toxic	More than 5000	More than 20000	Bright green

6. In addition to the precautions to be undertaken under sub-rules (3), (4) and (5) the label to be affixed in the package containing insecticides which are highly inflammable shall indicate that it is inflammable or that the insecticides should be kept away from the heat or open flame and

the like.

7. The label and leaflets to be affixed or attached to the package containing insecticides shall be printed in Hindi, English and in one or two regional languages in use in the areas where the said packages are likely to be stocked, sold or distributed.
8. Labeling of insecticides must not bear any unwarranted claims for the safety of the producer or its ingredients. This includes statements such as, "SAFE", "NON-POISONOUS", "NON-INJURIOUS" or "HARMLESS" with or without such qualified phrase as "when used as directed".

**20. Prohibition against altering inscriptions, etc. on containers, labels or wrappers of insecticides -**

No person shall alter, obliterate or deface any inscription or mark made or recorded by the manufacturer on the container, label or wrapper of any insecticide:

Provided that nothing in this rule shall apply to any alteration of any inscription or mark, made on the container, label or wrapper of any insecticide at the instance, direction or permission of the Registration Committee.

## **CHAPTER VI**

### **INSECTICIDE ANALYSTS AND INSECTICIDE INSPECTORS**

**21. Qualifications of Insecticide Analyst**

A person shall be eligible for appointment as an insecticide analyst under the Act only if he possesses the following qualifications, namely :

- a. A graduate in Agriculture or a graduate in Science with Chemistry as special subject; and
- b. adequate training in analysing insecticides in a recognized laboratory.

**22. Powers of Insecticides Analyst**

The Insecticides Analyst shall have the power to call for such information of particulars or do anything as may be necessary for the proper examination of the samples sent to him either from the Insecticide Inspector or the person whom the sample was obtained.

**23. Duties of Insecticides Analyst**

1. The Insecticides Analyst shall analyse or cause to be analysed or test or cause to be tested such samples of insecticides as may be sent to him by the Insecticide Inspector under the provisions of the Act and shall furnish report or results of such tests or analysis.

2. An insecticides analyst shall, from time to time, forward to the State Government reports giving the result of analytical work and investigation with a view to their publication at the discretion of the government.

#### **24. Procedure on receipt of sample**

1. On receipt of a package from an Insecticide Inspector containing a sample for test or analysis, the Insecticides Analyst shall compare the seals on the packet with the specimen impression received separately and shall note the condition of the seals on the packet.
2. In making the test or analysis of insecticides, it shall be sufficient if the insecticides analyst follows that specifications and the methods of examination of samples as approved by the Registration Committee.
3. After the test or analysis has been carried out under sub-rule (2), the Insecticides Analyst shall forthwith supply to the Insecticides Inspector a report in triplicate in Form IX of the result of test or analysis.

#### **25. Fees payable for testing or analysis**

1. The fees payable for testing or analyzing insecticides under sub-section (5) of section 24 of the Act shall be as specified in the Second Schedule.
2. The fee payable for testing or analyzing samples received from the Insecticides Inspector shall also be as specified in the Second Schedule:

Provided that the Central Government may, after taking into consideration the genuine difficulties, of any particular State Government, exempt from payment of the fee for such period as it may consider reasonable.

#### **26. Qualifications of Insecticides Inspector**

A person shall be eligible for appointment as an Insecticides Inspector under the Act only if he possesses the following qualifications, namely:

- a. graduate in Agriculture, or graduate in Science with Chemistry as one of the subjects;
- b. adequate field experience.

#### **27. Duties of Insecticides Inspector**

The Insecticides Inspector shall have the following duties, namely:

1. to inspect not less than three times in a year all establishments selling insecticides within the area of his jurisdiction;
2. to satisfy himself that the conditions of licence are being complied with;
3. to procure and send for test and analysis, samples of insecticides which he has reason to suspect are being sold, stocked or accepted for sale in

contravention of the provisions of the Act or rules made there under;

4. to investigate any complaint in writing which may be made to him;
5. to institute prosecution in respect of breaches of the Act and the rules made there under;
6. to maintain a record of all inspections made and action taken by him in the performance of his duties including the taking of samples and seizure of stocks and to submit copies of such record to the licensing officer;
7. to make such inquiries and inspections as may be necessary to detect the sale and use of insecticides in contravention of the Act.]

## **28. Duties of Inspectors specially authorized to inspect manufacture of Insecticides**

It shall be the duty of any Inspector authorized to inspect the manufacture of Insecticides—

1. to inspect not less than twice a year all premises licensed for the manufacture of insecticides within the area of his jurisdiction and to satisfy himself that the conditions of the licence and the provisions of the Act or the rule made there under are being observed;
2. to send forthwith to the licensing officer after each inspection, a detailed report indicating the conditions of the licence and the provisions of the Act or rules made thereunder which are being observed and the conditions and provisions, if any, which are not being observed;
3. to draw samples of insecticides manufactured on the premises and send them for test or analysis in accordance with these rules;
4. to report to the government all occurrences of poisoning.

## **29. Prohibition of disclosure of information**

Except for the purpose of official business or when required by a court of law, an Insecticides Inspector shall not disclose to any person any information acquired by him in the performance of his official duties.

## **30. Form of order not to dispose of stock**

An order by the Insecticides Inspector requiring a person not to dispose of any stock in his possession shall be in Form X.

## **31. Prohibition of sale**

No person in possession of an insecticide in respect of which an Insecticides Inspector has made an order under rule 30 shall, in contravention of that

order, sell or otherwise dispose of any stock of such insecticide.

### **32. Form of receipt for seized insecticides**

A receipt by an Insecticides Inspector for the stock of any insecticide seized shall be in Form XI.

### **33. Form of intimation for purposes of taking samples**

Where an Inspector takes a sample of an insecticide for the purpose of test or analysis he shall intimate such purpose in writing in Form XII to the person from whom he takes it.

### **34. Dispatch of samples for test or analysis**

- 1.** Samples for test or analysis under the Act shall be sent by registered post or by hand in a sealed packet together with a memorandum in Form XII in an outer cover addressed to the Insecticide Analyst.
- 2.** The packet as well as the outer cover shall be marked with a distinct mark.
- 3.** A copy of the memorandum in Form XIII together with a specimen, impression of the seals of the inspector and of the seals, if any, of the person from whom he takes such samples, shall be sent separately by registered post or by hand to the Insecticides Analyst.

## **CHAPTER VII**

### **TRANSPORT AND STORAGE OF INSECTICIDES IN TRANSIT BY RAIL, ROAD OR WATER**

#### **35. Manner of packing, storage while in transit by rail**

- 1.** Packages containing insecticides, offered for transport by rail, shall be packed in accordance with the conditions specified in the Red Tariff, issued by the Ministry of Railways.
- 2.** No insecticide shall be transported or stored in such a way as to come into direct contact with foodstuffs or animal feeds.
- 3.** No foodstuffs or animal feeds which got mixed up with insecticides as a result of any damage to the packages containing insecticides during transport or storage shall be released to the consignees unless it has been examined for possible contamination by competent authorities, as may be notified by the State Government.
- 4.** If any insecticide is found to have leaked out in transport or storage it shall be the responsibility of the transport agency or the storage owner to take such measure urgently to prevent poisoning and pollution of soil or water, if any.

### **36. Conditions to be specified for storage of insecticides**

1. The package containing insecticides shall be stored in separate rooms or premises away from the rooms or premises used for storing other articles or shall be kept in separate almirahs under lock and key depending upon the quantity and nature of the insecticides.
2. The rooms or premises means for storing insecticides shall be well built, dry, well-lit and ventilated and of sufficient dimension.

## **CHAPTER VIII**

### **PROVISIONS REGARDING PROTECTIVE CLOTHING, EQUIPMENT, AND OTHER FACILITIES FOR WORKERS DURING MANUFACTURE, ETC. OF INSECTICIDES**

#### **37. Medical Examination**

1. All persons who are engaged in the work of handling, dealing or otherwise coming in contact with the insecticides during manufacture/formulation of insecticides or being engaged during spraying operation shall be examined medically before their employment and at least quarterly in the case of those engaged in manufacturing / formulation units and yearly in any other cases including operators while in service by a qualified doctor who is aware of risks to which such persons are exposed. Particulars of all such persons, including the particulars of their medical examination, shall be entered in a register in Form XVII. Where the insecticide in question is an organo phosphorous compound or a carbonate compound, the blood cholinesterase's level shall be measured at least once a month of all persons working in the manufacturing units. The blood residue estimation shall be done once in a year in the case of persons working with organo chlorine group of insecticides in a manufacturing / formulation unit. In the case of spraying people working with the pest-control operators, the estimation of cholinesterase level (if working with organo phosphorous or carbonate compounds) and blood residue (if working with organo chlorine group) shall be conducted as and when advised by the doctor as part of the general medical test.
2. Any person showing symptoms of poisoning shall be immediately examined and given proper treatment.

#### **38. First aid measures**

In all cases of poisoning first-aid treatment shall always be given before the physician is called. The Indian Standard Guide for handling cases of insecticide poisoning-Part I First-Aid Measures [IS : 4015 (Par I)—1967] and Part II Symptoms, diagnosis and treatment [IS : 4015 (Par II)—1967] shall be consulted for such first-aid treatment in addition to any other books, on the subject. The workers also should be educated regarding the

effects of poisoning and the first-aid treatment to be given.

### **39. Protective clothing**

- 1.** Persons handling insecticides during its manufacture, formulation, transport, distribution or application, shall be adequately protected with appropriate clothing.
- 2.** The protective clothing shall be used wherever necessary, in conjunction with respiratory devices as laid down in rule 40.
- 3.** The protective clothing shall be made of materials which prevent or resist the penetration of any form of insecticides formulations. The materials shall also be washable so that the toxic elements may be removed after each use.
- 4.** A complete suit of protective clothing shall consist of the following dresses, namely :-
  - a.** protective outer garment/overalls/hood/hat.
  - b.** rubber gloves or such other protective gloves extending half-way up to the fore-arm, made of materials impermeable to liquids;
  - c.** dust-proof goggles;
  - d.** boots.

### **40. Respiratory devices**

For preventing inhalation of toxic dusts, vapours of gases, the workers shall use any of the following types of respirators or gas-masks suitable for the purpose, namely :

- a.** Chemical Cartridge Respirator;
- b.** Supplied-air Respirator;
- c.** Demand flow type respirator;
- d.** Full-face or half-face gas-masks with canister.

In no case shall the concentrates of insecticides in the air where the insecticides are mixed exceed the maximum permissible values.

### **41. Manufacturers, etc. to keep sufficient quantities of antidotes and first-aid medicines**

The manufacturers and distributors of insecticides and persons who undertake to spray insecticide on a commercial basis (hereafter in these rules referred to as operators) shall keep sufficient stocks of such first-aid tools, equipments, antidotes, injections and medicines as may be required to treat poisoning cases arising from inhalation, skin, contamination, eye contamination and swallowing.

#### **42. Training of workers**

The manufacturers and distributors of insecticides and operators shall arrange for suitable training in observing safety precautions and handling safety equipment provided to them.

#### **43. Aerial spraying operations**

The aerial application of insecticides shall be subject to the following provisions, namely :

- a.** making of the area shall be the responsibility of the operators;
- b.** the operators shall use only approved insecticides and their formulations at approved concentration and height;
- c.** washing decontamination and first-aid facilities shall be provided by the operators;
- d.** All aerial operations shall be notified to the public not less than twenty-four hours in advance through competent authorities;
- e.** Animals and persons not connected with the operations shall be prevented from entering such areas for a specific period; and
- f.** The pilots shall undergo specialization training including clinical effects of the insecticides.

#### **44. Disposal of used packages, surplus materials and washings of insecticides**

- 1.** It shall be the duty of manufacturers, formulators of insecticides and operators to dispose packages or surplus materials and washing in a safe manner so as to prevent environmental or water pollution.
- 2.** The used packages shall not be left outside to prevent their re-use.
- 3.** The packages shall be broken and buried away from habitation.

## **CHAPTER IX**

### **MICELLANEOUS**

#### **45. Places at which the insecticides may be imported**

No insecticides shall be imported into India except through one of the following places, namely :

Ferozepore Cantonment and Amritsar railway stations in respect of insecticides imported by rail across the frontier with West Pakistan.

Ranaghat, Bongaon and Mahiassan railway stations in respect of

insecticides imported by rail across the frontier with the East Pakistan.

Madras, Calcutta, Bombay, Cochin and Kandla – in respect of insecticides imported by sea into India.

Madras, Calcutta, Bombay, Delhi and Ahmedabad – in respect of insecticides imported by air into India.

**46. Traveling and other allowances payable to the members of the Board, etc.**

The members of the Board, Registration Committee and any other Committee appointed by the Board shall be entitled to such traveling and other allowances for attending meetings of the Board shall be entitled to such traveling and other allowances for attending meetings of the Board, Registration Committee or other Committee, as the case may be, as are for the time being admissible to Grade I officers of the Central Government.