

**LIST OF PESTICIDES WHICH ARE BANNED,
REFUSED REGISTRATION AND RESTRICTED IN USE:**

(As on 19.03.2019)

I. PESTICIDES / FORMULATIONS BANNED IN INDIA

Pesticides Banned for manufacture, import and use .	
1.	Aldicarb (vide S.O. 682 (E) dated 17 th July 2001)
2.	Aldrin
3.	Benzene Hexachloride
4.	Benomyl (vide S.O 3951(E) dated 8 th August, 2018)
5.	Calcium Cyanide
6.	Carbaryl (vide S.O 3951(E) dated 8 th August, 2018)
7.	Chlorbenzilate (vide S.O. 682 (E) dated 17 th July 2001)
8.	Chlordane
9.	Chlorofenvinphos
10.	Copper Acetoarsenite
11.	Diazinon (vide S.O 3951(E) dated 8 th August, 2018)
12.	Dibromochloropropane (DBCP) (vide S.O. 569 (E) dated 25 th July 1989)
13.	Dieldrin (vide S.O. 682 (E) dated 17 th July 2001)
14.	Endosulfron (vide ad-Interim order of the Supreme Court of India in the Writ Petition (Civil) No. 213 of 2011 dated 13 th May, 2011 and finally disposed of dated 10 th January, 2017)
15.	Endrin
16.	Ethyl Mercury Chloride
17.	Ethyl Parathion
18.	Ethylene Dibromide (EDB) (vide S.O. 682 (E) dated 17 th July 2001)
19.	Fenarimol (vide S.O 3951(E) dated 8 th August, 2018)
20.	Fenthion (vide S.O 3951(E) dated 8 th August, 2018)
21.	Heptachlor
22.	Lindane (Gamma-HCH)
23.	Linuron (vide S.O 3951(E) dated 8 th August, 2018)
24.	Maleic Hydrazide (vide S.O. 682 (E) dated 17 th July 2001)
25.	Menazon
26.	Methoxy Ethyl Mercury Chloride (vide S.O 3951(E) dated 8 th August, 2018)
27.	Methyl Parathion (vide S.O 3951(E) dated 8 th August, 2018)
28.	Metoxuron

	29. Nitrofen
	30. Paraquat Dimethyl Sulphate
	31. Pentachloro Nitrobenzene (PCNB) (vide S.O. 569 (E) dated 25 th July 1989)
	32. Pentachlorophenol
	33. Phenyl Mercury Acetate
	34. Sodium Cyanide (banned for Insecticidal purpose only vide S.O 3951(E) dated 8 th August, 2018)*
	35. Sodium Methane Arsonate
	36. Tetradifon
	37. Thiometon (vide S.O 3951(E) dated 8 th August, 2018)
	38. Toxaphene(Camphechlor) (vide S.O. 569 (E) dated 25 th July 1989)
	39. Tridemorph (vide S.O 3951(E) dated 8 th August, 2018)
	40. Trichloro acetic acid (TCA) (vide S.O. 682 (E) dated 17 th July 2001)
	Pesticide formulations banned for import, manufacture and use
B.	1. Carbofuron 50% SP (vide S.O. 678 (E) dated 17 th July 2001)
	2. Methomyl 12.5% L
	3. Methomyl 24% formulation
	4. Phosphamidon 85% SL
	C. Pesticide / Pesticide formulations banned for use but continued to manufacture for export
	1. Captafol 80% Powder (vide S.O. 679 (E) dated 17 th July 2001)
	2. Nicotin Sulfate
D.	Pesticides Withdrawn (Withdrawal may become inoperative as soon as required complete data as per the guidelines is generated and submitted by the Pesticides Industry to the Government and accepted by the Registration Committee. (S.O 915(E) dated 15 th Jun,2006)
	1. Dalapon
	2. Ferbam
	3. Formothion
	4. Nickel Chloride
	5. Paradichlorobenzene (PDCB)
	6. Simazine
	7. Sirmate (S.O. 2485 (E) dated 24 th September 2014)
8. Warfarin (vide S.O. 915 (E) dated 15 th June 2006)	

* Regulation to be continued in the extant manner for non-insecticidal uses.

II. PESTICIDES REFUSED REGISTRATION

S.No.	Name of Pesticides
1.	2,4, 5-T
2.	Ammonium Sulphamate
3.	Azinphos Ethyl
4.	Azinphos Methyl
5.	Binapacryl
6.	Calcium Arsenate
7.	Carbophenothion
8.	Chinomethionate (Morestan)
9.	Dicrotophos
10.	EPN
11.	Fentin Acetate
12.	Fentin Hydroxide
13.	Lead Arsenate
14.	Leptophos (Phosvel)
15.	Mephosfolan
16.	Mevinphos (Phosdrin)
17.	Thiodemeton / Disulfoton
18.	Vamidotion

III. PESTICIDES RESTRICTED FOR USE IN THE COUNTRY

S.No.	Name of Pesticides	Details of Restrictions
1.	Aluminium Phosphide	<p>The Pest Control Operations with Aluminium Phosphide may be undertaken only by Govt./Govt. undertakings / Govt. Organizations / pest control operators under the strict supervision of Govt. Experts or experts whose expertise is approved by the Plant Protection Advisor to Govt. of India except ¹Aluminium Phosphide 15 % 12 g tablet and ²Aluminum Phosphide 6 % tablet. [RC decision circular F No. 14-11(2)-CIR-II (Vol. II) dated 21-09-1984 and G.S.R. 371(E) dated 20th may 1999]. ¹Decision of 282nd RC held on 02-11-2007 and, ²Decision of 326th RC held on 15-02-2012.</p> <p>The production, marketing and use of Aluminium Phosphide tube packs with a capacity of 10 and 20 tablets of 3 g each of Aluminium Phosphide are banned completely. (S.O.677 (E) dated 17thJuly, 2001)</p>
2.	Captafol	<p>The use of Captafol as foliar spray is banned. Captafol shall be used only as seed dresser. (S.O.569 (E) dated 25thJuly, 1989)</p> <p>The manufacture of Captafol 80 % powder for dry seed treatment (DS) is banned for use in the country except manufacture for export. (S.O.679 (E) dated 17thJuly, 2001)</p>
3.	Cypermethrin	<p>Cypermethrin 3 % Smoke Generator is to be used only through Pest Control Operators and not allowed to be used by the General Public. [Order of Hon,ble High Court of Delhi in WP(C) 10052 of 2009 dated 1407-2009 and LPA-429/2009 dated 08-09-2009]</p>
4.	Dazomet	<p>The use of Dazomet is not permitted on Tea. (S.O.3006 (E) dated 31st Dec, 2008)</p>
5.	Dichloro Diphenyl Trichloroethane (DDT)	<p>The use of DDT for the domestic Public Health Programme is restricted up to 10,000 Metric Tonnes per annum, except in case of any major outbreak of epidemic. M/s Hindustan Insecticides Ltd., the sole manufacturer of DDT in the country may manufacture DDT for export to other countries for use in vector control for public health purpose. The export of DDT to Parties and State non-Parties</p>

		<p>shall be strictly in accordance with the paragraph 2(b) article 3 of the Stockholm Convention on Persistent Organic Pollutants (POPs). (S.O.295 (E) dated 8th March, 2006)</p> <p>Use of DDT in Agriculture is withdrawn. In very special circumstances warranting the use of DDT for plant protection work, the state or central Govt. may purchase it directly from M/s Hindustan Insecticides Ltd. to be used under expert Governmental supervision. (S.O.378 (E) dated 26thMay, 1989)</p>
6.	Fenitrothion	<p>The use of Fenitrothion is banned in Agriculture except for locust control in scheduled desert area and public health. (S.O.706 (E) dated 03rdMay, 2007)</p>
7.	Methyl Bromide	<p>Methyl Bromide may be used only by Govt./Govt. undertakings/Govt. Organizations / Pest control operators under the strict supervision of Govt. Experts or Experts whose expertise is approved by the Plant Protection Advisor to Govt. of India. [G.S.R.371 (E) dated 20thMay, 1999 and earlier RC decision]</p>
8.	Monocrotophos	<p>Monocrotophos is banned for use on vegetables. (S.O.1482 (E) dated 10thOct, 2005)</p>
9.	Trifluralin	<p>(vide S.O 3951(E) dated 8th August, 2018)</p> <p>(i) The Registration, import, manufacture, formulation, transport, sell and its all uses except use in wheat shall be prohibited and completely banned from date of publication of this Order.</p> <p>(ii) (ii) A cautionary statement has to be incorporated in the label and leaflet that it is toxic to aquatic organism, hence should not be used near water bodies, aquaculture or pisciculture area.</p>

IV. PESTICIDES WHICH SHALL BE PHASED OUT VIDE GAZETTE NOTIFICATION NO. S.O. 3951 (E).

S. No.	Name of the pesticide	Insecticides to be phase out by 31 st December, 2020
1	Alachlor	<ul style="list-style-type: none"> (i) No new certificate of registration to manufacture shall be issued after publication of this Order. (ii) No person shall import, manufacture or formulate Alachlor with effect from the 1st January, 2019. (iii) The use of Alachlor shall be completely banned with effect from the 31st December, 2020. (iv) It is toxic to aquatic organism, hence a cautionary statement should be incorporated on label and leaflets " toxic to aquatic organism hence should not be used near water bodies, aquaculture or pisciculture area.
2	Dichlorovos	<ul style="list-style-type: none"> (i) No new certificate of registration to manufacture shall be issued after publication of this Order. (ii) No person shall import, manufacture or formulate dichlorvos with effect from the January, 2019. (iii) The use of dichlorvos shall be completely banned with effect from the 31st December, 2020. (iv) It is very toxic to aquatic organism, hence a cautionary statement should be incorporated on label and leaflets that it is toxic to aquatic organism, hence should not be used near water bodies, aquaculture or pisciculture area. (v) A warning may be incorporated in the label and leaflet stating that this product is toxic to honey bees so do not spray during active honey bees foraging period of the day.
3	Phorate	<ul style="list-style-type: none"> (i) No new certificate of registration to manufacture shall be issued after publication of this Order. (ii) No person shall import, manufacture or formulate Phorate with effect from the 1st January, 2019. (iii) The use of Phorate shall be completely banned with effect from the 31st December, 2020. (iv) It is very toxic to aquatic organism, hence a cautionary statement should be incorporated on label and leaflets that it is toxic to aquatic organism, hence should not be used near water bodies, aquaculture or pisciculture area. (v) A warning may be incorporated in the label and leaflet stating that this product is toxic to honey bees so do not spray during active honey bees foraging period of the day. (vi) A cautionary statement should incorporate in label and leaflet that this product is toxic to birds.
4	Phosphamidon	<ul style="list-style-type: none"> (i) No new certificate of registration to manufacture shall be issued after publication of this Order.

		<ul style="list-style-type: none"> (ii) No person shall import, manufacture or formulate Phosphamidon with effect from the 1st January, 2019. (iii) The use of Phosphamidon shall be completely banned with effect from the 31st December, 2020. (iv) It is very toxic to aquatic organism, hence a cautionary statement should be incorporated on label and leaflets that it is toxic to aquatic organism, hence should not be used near water bodies, aquaculture or pisciculture area. (v) A warning may be incorporated in the label and leaflet stating that this product is toxic to honey bees so do not spray during active honey bees foraging period of the day. (vi) A cautionary statement should incorporate in label and leaflet that this product is toxic to birds.
5	Triazophos	<ul style="list-style-type: none"> (i) No new certificate of registration to manufacture shall be issued after publication of this Order. (ii) No person shall import, manufacture or formulate Triazophos with effect from the 1 st January, 2019. (iii) The use of Triazophos shall be completely banned with effect from the 31st December, 2020. (iv) It is very toxic to aquatic organism, hence a cautionary statement should be incorporated on label and leaflets that it is toxic to aquatic organism, hence should not be used near water bodies, aquaculture or pisciculture area. (v) A warning may be incorporated in the label and leaflet stating that this product is toxic to honey bees so do not spray during active honey bees foraging period of the day (vi) A cautionary statement should incorporate in label and leaflet that this product is toxic to birds
6	Trichlorfon	<ul style="list-style-type: none"> (i) No new certificate of registration to manufacture shall be issued after publication of this Order. (ii) No person shall import, manufacture or formulate Trichlorfon with effect from the 1 st January, 2019. (iii) The use Trichlorfon shall be completely banned with effect from the 31st December, 2020. (iv) It is very toxic to aquatic organism, hence a cautionary statement should be incorporated on label and leaflets that it is toxic to aquatic organism, hence should not be used near water bodies, aquaculture or pisciculture area. (v) A cautionary statement should incorporate in label and leaflet that this product is toxic to birds.