

GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE AND FARMERS WELFARE
DEPARTMENT OF AGRICULTURE, COOPERATION & FARMERS WELFARE

LOK SABHA
STARRED QUESTION NO. 97
TO BE ANSWERED ON THE 24TH JULY, 2018

BAN ON PESTICIDES

*97. SHRI PRALHAD JOSHI:
SHRI BHAGWANATH KHUBA:

Will the Minister of AGRICULTURE AND FARMERS WELFARE कृषि एवं किसान कल्याण
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be pleased to state:

- (a) whether the Government is aware that many killer pesticides like monocrotophos which are banned in other countries are still on sale across the country;
- (b) if so, the details thereof;
- (c) whether the Government is considering to provide alternatives to these pesticides to the farmers in case of their ban;
- (d) if so, the details thereof; and
- (e) the corrective steps taken by the Government to prohibit/ban the production and sale of such pesticides?

ANSWER

MINISTER OF AGRICULTURE AND FARMERS WELFARE

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(SHRI RADHA MOHAN SINGH)

(a) to (e): A statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF LOK SABHA STARRED QUESTION NO. 97 DUE FOR REPLY ON 24TH JULY, 2018.

(a) & (b): There are 66 pesticides that are banned, restricted, withdrawn in one or more countries (including monocrotophos) but continued to be registered in India. The details are at Annexure I.

(c) to (e): The Registration Committee, constituted under Section 5 of the Insecticides Act, 1968 registers pesticides after considering its efficacy and safety to human beings, animals and environment. In additions, technical reviews are carried out from time to time to assess the safety of pesticides for their continued use. Pesticides used as per the approved label claims and leaflets are unlikely to cause any harm. The Department of Agriculture, Cooperation and Farmers Welfare (DAC&FW) had constituted an expert committee under the Chairmanship of Anupam Verma in July 2013, to review these 66 pesticides. The recommendation of the Committee is at Annexure II. Considering the recommendation of Expert Committee as accorded by the Registration Committee, the Ministry of Agriculture & Farmers Welfare had invited objections and suggestions from the public/stakeholders on banning/phasing out of 18 pesticides. The details are at Annexure III. In response to which, the Ministry has received various objections and suggestions. Keeping in view of which, a committee has been constituted to review the received objections and suggestions. The details of the numbers of alternatives of these 18 pesticides are at Annexure IV.

Annexure – I

LIST OF PESTICIDES WHICH HAVE BEEN BANNED/ RESTRICTED/ WITHDRAWN IN ONE OR MORE COUNTRIES OF THE WORLD BUT ARE STILL REGISTERED IN INDIA

Sl. No.	Name of the Pesticide	Sl. No.	Name of the Pesticide
1.	Acephate	41.	Mancozeb
2.	Alachlor	42.	Mepiquat Chloride
3.	Aluminum Phosphide	43.	Metaldehyde
4.	Atrazine	44.	Monocrotophos
5.	Benfuracarb	45.	Oxyflurofen
6.	Benomyl	46.	Paraquat Dichloride
7.	Bifenthrin	47.	Pendimethalin
8.	Butachlor	48.	Phorate
9.	Captan	49.	Phosphomidon
10.	Carbaryl	50.	Peitilachlor
11.	Carbendazim	51.	Propargite
12.	Carbofuran	52.	Propineb
13.	Chlorfenapyr	53.	Quinalphos
14.	Carbosulfan	54.	Sodium cyanide
15.	Chlorothalonil	55.	Sulfosulfurone
16.	Chlorpyrifos	56.	Thiodecarb
17.	DDT	57.	Thiometon
18.	Dezomet	58.	Thiphanate Methyl
19.	Deltamethrin	59.	Thiram
20.	Diazinon	60.	Triazophos
21.	Dichlorovos	61.	Trichlorofon
22.	Dicofol	62.	Tridemorph
23.	Diflubenzuron	63.	Trifluralin
24.	Dimethoate	64.	Zinc Phosphide
25.	Dinocap	65.	Zineb
26.	Diuron	66.	Ziram
27.	Endosulfan (Supreme Court has banned its use)		
28.	Ethofenprox		
29.	Fenpropathrin		
30.	Fenarimol		
31.	Fenitrothion		
32.	Fenthion		
33.	Iprodione		
34.	2,4-D		
35.	Kasugamycin		
36.	Linuron		
37.	Methomyl		
38.	Methoxy Ethyl Mercury Chloride		
39.	Methyl Parathion		
40.	Malathion		

Annexure- II

RECOMMENDATION OF THE EXPERT COMMITTEE WITH RESPECT TO 66 PESTICIDES

S. No.	Category	No. of Pesticides	Name of the Pesticides
1.	I- to be continued	18	Aluminium phosphide, Bifenthrin, Carbosulfan, Chlorfenapyr, Chlorothalonil, Dazomet, Diflubenzuron, Ethofenprox, Fenpropathrin, Iprodione, Kasugamycin, Mepiquat chloride, Metaldehyde, Paraquat dichloride, Pretilachlor, Propargite, Propineb and Zinc phosphide
2.	II- to be reviewed again in 2018, after completion of the recommended studies	27	Acephate, Atrazine, Benfuracarb, Butachlor, Captan, Carbendazim, Carbofuran, Chlorpyrifos, Deltamethrin, Dicofol, Dimethoate, Dinocap, Diuron, 2,4-D, Malathion, Mancozeb, Methomyl, Monocrotophos, Oxyfluorfen, Pendimethalin, Quinalphos, Sulfosulfuron, Thiodicarb, Thiophanate methyl, Thiram, Zineb, Ziram
3.	III- to be phased out by 2020 <ul style="list-style-type: none"> • No new certificate of registration to manufacture shall be issued after December 2017 • No person shall import, manufacture or formulate w.e.f. 1st January 2019 • The use shall be completely banned w.e.f. 31st December 2020. 	6	Alachlor, Dichlorvos, Phorate, Phosphamidon, Triazophos, Trichlorfon
4.	IV- ban to be continued	1	Fenitrothion
5.	V- it's use to be completely banned.	13	Benomyl, Carbaryl, DDT Diazinon, Fenarimol, Fenthion, Linuron, MEMC, Methyl Parathion, Sodium Cyanide, Thiometon, Tridemorph, Trifluralin
6.	VI- not reviewed as it is sub-judice	1	Endosulfan

NAMES OF THE PESTICIDES IN THE NOTIFICATION S.O.4212 (E)

S.No.	Name
1.	Benomyl
2.	Carbaryl
3.	Diazinon
4.	Fenarimol
5.	Fenthion
6.	Linuron
7.	MEMC
8.	Methyl Parathion
9.	Sodium Cyanide
10.	Thiometon
11.	Tridemorph
12.	Trifluralin
13.	Alachlor
14.	Dichlorvos
15.	Phorate,
16.	Phosphamidon
17.	Triazophos
18.	Trichlorfon

Annexure- IV

Number of the Alternatives

S.No.	Name of Pesticide	Crop	Pest	Nos. of Alternatives
1	Benomyl 50 % WP	wheat	Loose smut	11
		Groundnut	Tikka leaf spot	18
		Tabacco	Frog eye spot	1
		Grapes	Powdery mildew	27
			Anthraco nose	12
		Bean	Powdery mildew	3
		Cucurbits	Powdery mildew	1
			Anthraco nose	1
		Chillies	Powdery mildew	2
			Fruit rot	5
			Leaf spot	1
Peas	Powdery mildew	2		
2	CARBARYL	Paddy		79
		Cotton		102
		Sorghum		14
		Bhindi		35
		Cabbage		30
		Cauliflower		8
		Tur		14
		Sesamum		
		Maize		7
		Jute		4
		Tomato		35
		Chilli		40
		Brinjal		33
		Wheat		11
3	Diazinon	House Hold Insecticides		22
4	Fenarimol	Apple	Scab	16
5	Fenthion	House Hold Insecticide	Mosquito larvae	17
6	Methyl Parathion	Paddy	Leaf roller	44
			Gall midge,	14
			Green leaf hopper	25
			Hispa	11
			Stem borer	51
			Whorl maggot	5
		Cotton	Aphid	31
			Leaf hopper	36
			Thrips	32
		Black gram	Pod bore	3
Mustard	Sawfly	1		
	Aphids	4		
7	Sodium Cyanide	Agriculture Land	Rat & Soil insect	7
8	Thiometon	Brinjal	Fruit & shoot borer	22

9	Trifluralin	Cotton & Soybean (Due to non-fixing of MRL, deleted for use in the Crops)		Cotton: 10 Soybean: 25
10	Alachlor	Cotton		10
		Maize		11
		Groundnut		6
		Soybean		25
		Cotton		10
		Maize		11
		Groundnut		6
11	Dichlorvos	Soybean		10
		Paddy	BPH	43
		Wheat	Caterpillar	1
		Soybean	Leaf eating caterpillar	2
		Castor	Hairy caterpillar	2
		Groundnut	Red hairy caterpillar	3
		Mustard	Painted bug	2
		Sunflower	Caterpillar	1
12	Phorate	Cucurbit	Red pumpkin beetle	3
		Bajra	Shoot fly	1
		Barley	Aphid	1
		Maize	Shoot fly	9
			Stem borer	6
		Paddy	Hispa	12
			Leaf hopper	23
			Plant hopper	47
			Stem borer	58
		Sorghum	Shoot fly	7
			Aphids	2
		Wheat	Shoot fly	1
		Soybean	Stem fly	5
		Sugarcane	Top borer	3
			White grub	1
		Cotton	Aphid,	35
			Jassid	39
			Thrips,	37
			White fly	37
		Groundnut	Aphid	1
			Leaf minor	4
			White grub	2
		Mustard	Mustard aphid,	6
			Painted bug	2
		Sesamum	Jassids	1
		Brinjal	Aphid	5
			Jassids	6
			Red spider mite	8
		Cauliflower	Aphid	3
		Chillies	Aphid	9
			Mite	15
			Thrips	22
		Potato	Aphid	3
Tomato	White fly	10		
Apple	Woolly aphid	4		
Banana	Aphid	3		
Citrus	Leaf minor	2		

13	Phosphamidon	Paddy	Stem borer	51
			Leaf folder	44
			Green leaf hopper	25
			Brown plant hopper,	14
			White backed plant hopper	5
		Brinjal	Jassid	1
			Aphid	1
14	Triazopos	Rice	Stem Borer	20
			Leaf Folder,	26
			Hispa	8
			Green leaf hopper	16
			Brown plant hopper	21
			White backed plant hopper	2
		Cotton	Bollworms (Pink and spotted)	2
			whitefly	8
15	Trichlofon	Castor	Pod borer	
		Groundnut	Red hairy Caterpillar	1
		Wheat	Army worm,	1
			Cut worm	1
		Vegetables (Brinjal, cabbage, cauliflower, cucurbits, tomato)	Fruit and shoot borer	4
			Red pumpkin beetle	2
16	Linuron	Pea		No Alternate
17	Methoxy Ethyl Mercury Chloride (MEMC)	Sugarcane	Whip smut	Not Available
18	Tridemorph	--	--	Not available
