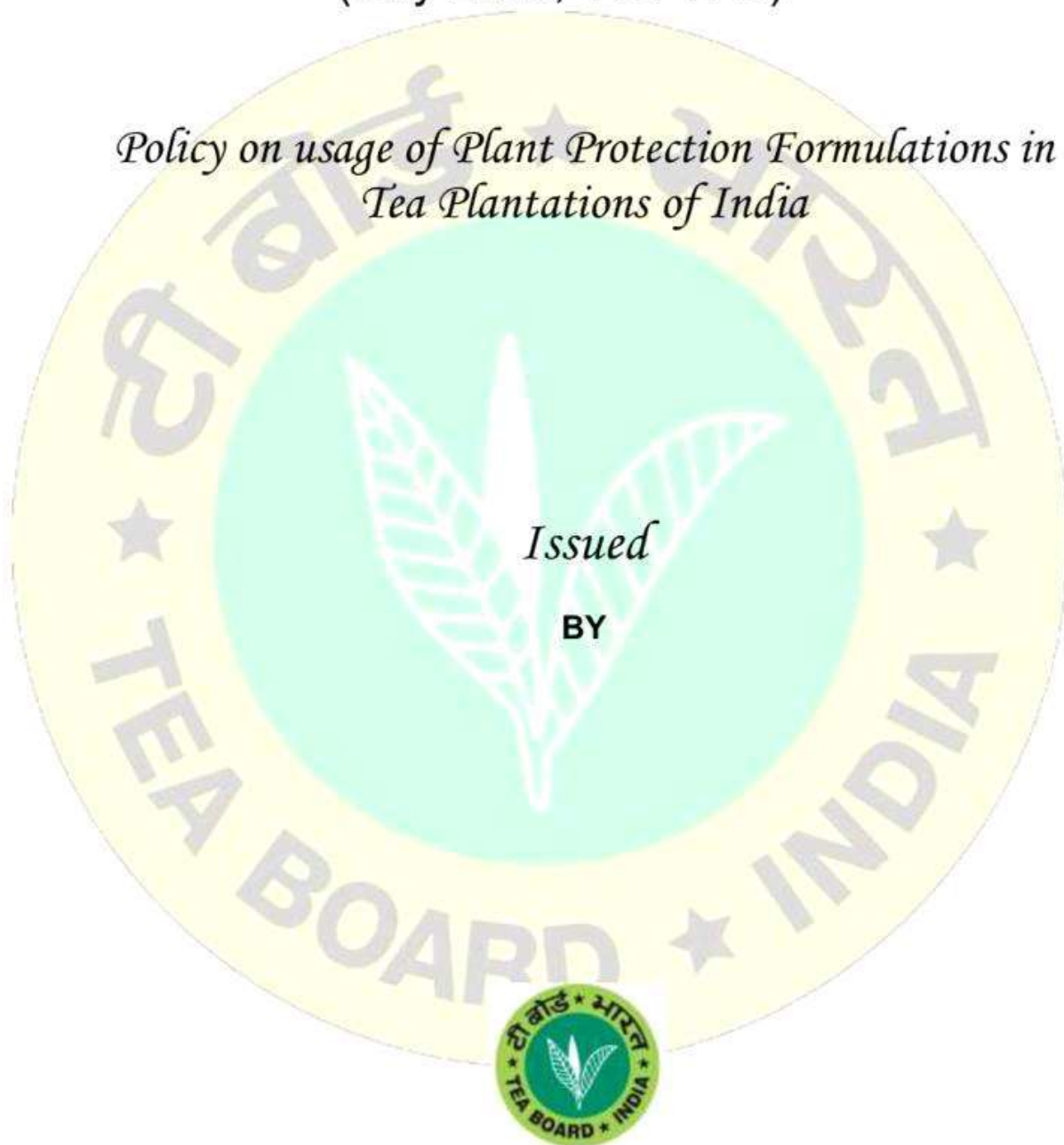


Plant Protection Code

(July 2025, Ver. 17.0)

*Policy on usage of Plant Protection Formulations in
Tea Plantations of India*



Tea Board India

Ministry of Commerce and Industry, Govt. of India

14, B. T. M Sarani, Kolkata- 700 001

West Bengal, India

www.teaboard.gov.in

List of CIB&RC approved Plant Protection Formulations for use in Tea plantations along with their MRLs fixed by FSSAI [Food Safety and Standards (Contaminants, Toxins and Residues), Third Amendment Regulations, 2018 (effective from 3.1.2019)]

Type of PPFs	Sl. No.	Name of PPFs	MRL (ppm)
Acaricides	1	Acynonapyr 18.19% SC	MRL yet to be notified
	2	Cyflumetofen 20 SC	0.05*
	3	Ethion 50 EC	5.0
	4	Etoxazole 10 SC	15.0
	5	Etoxazole 6% + Abamectin 1.5% SC	MRL of Abamectin is yet to be notified
	6	Fenazaquin 10 EC	3.0
	7	Fenazaquin 10% + Bifenthrin 4% EC	Fenazaquin= 3.0 Bifenthrin= 30.0
	8	Fenazaquin 18.3% SC	3.0
	9	Fenpyroximate 5 EC/SC	6.0**
	10	Flufenzine 20 SC	MRL yet to be notified
	11	Hexythiazox 5.45 EC	15.0
	12	Propargite 57 EC	10.0
	13	Propergite 42% +Hexythiazox 2%EC	Propergite= 10.0 Hexythiazox= 15.0
	14	Pyridaben 20% WP	MRL yet to be notified
	15	Sulphur 80 WP	Not required
	16	Sulphur 40 SC	
	17	Sulphur 52 SC	
	18	Spiromesifen 22.9 SC	70.0
	19	Tebufenpyrad 20 % WP	MRL yet to be notified
Insecticides	20	Azadirachtin 1 EC	-
	21	Azadirachtin 5 EC	
	22	Bifenthrin 8 SC	
	23	Clothianidin 50 WDG	0.7
	24	Deltamethrin 2.8 EC	5.0
	25	Deltamethrin 11 EC	
	26	Dimethoate 30 % EC***	MRL yet to be notified
	27	Emamectin Benzoate 5 SG	0.06**
	28	Emamectin Benzoate 3% + Thiamethoxam 12% WG	Emamectin Benzoate= 0.06 Thiamethoxam = 20.0
	29	Fenpropathrin 30 EC	2.0
	30	Flubendiamide 20 WG	50.0
	31	Flubendiamide 19.92% w/w + Thiacloprid 19.92% w/w SC	Flubendiamide = 50.0 Thiacloprid = 5.0
	32	Flupyradifurone 17.09% w/w SL	MRL yet to be notified
	33	Quinalphos 25 EC	0.7**
	34	Spirotetramat 15.31% w/w OD	MRL yet to be notified
	35	Thiacloprid 21.7 SC	5.0
	36	Thiamethoxam 25 WG	20.0

	37	Thiamethoxam 12.6% + L-Cyhalothrin 9.5%	Thiamethoxam= 20.0 L-Cyhalothrin= 0.05*
Fungicides	38	Carbendazim 12% + Mancozeb 63% WP	Carbendazim= 0.5 Mancozeb= 3.0
	39	Hexaconazole 4% + Zineb 68% WP	Zineb= 0.1*
	40	Hexaconazole 5 EC	5.0**
	41	Propiconazole 25 EC	6.0**
	42	Copper Oxychloride	150.0 (as elemental copper)
	43	Copper Hydroxide 61.41% WG	150.0 (as elemental copper)
	44	Tetraconazole 3.8% w/w (4% w/v)	MRL yet to be notified
	45	Trifloxystrobin 25% + Tebuconazole 50% WG	MRL yet to be notified
Herbicides	46	2,4-D amine salt 58 % WSC	0.05
	47	Carfentrazone Ethyl 0.43% + Glyphosate 30.82% EW	Carfentrazone Ethyl= 0.02* Glyphosate= 1.0
	48	Indaziflam 1.65% w/w + Glyphosate-isopropyl ammonium 44.63% w/w SC	MRL of Indaziflam is yet to be notified
	49	Glyphosate 41 SL	1.0
	50	Glyphosate 71 SG	
	51	Glyphosate Ammonium Salt 5 SL	
	52	Glufosinate Ammonium 13.5 SL	0.01
	53	Glufosinate Ammonium 13.4% + Oxyfluorfen 4.8% w/w	Glufosinate Ammonium=0.01 Oxyfluorfen=0.2
	54	Oxyfluorfen 23.5 EC	0.2
	55	Oxyfluorfen 2.5% + Isopropyl amine salt of Glyphosate 41% w/w SC	Oxyfluorfen=0.2 Glyphosate=1.0
	56	Paraquat Dichloride 24 WSC	0.2
	57	Paraquat Dichloride 24% + Oxyfluorfen 5% SC	Paraquat Dichloride=0.2 Oxyfluorfen=0.2
	58	Saflufenacil 70 % WG	MRL yet to be notified
	59	Triasulfuron 20% WG	MRL yet to be notified

Bio-pesticides:

Sl. No.	Name
1	<i>Bacillus thuringiensis</i> var. kurstaki strain HD-1, Serotype 3a, 3b, 3.5% ES (Potency 17600 IU/mg)
2	<i>Trichoderma asperellum</i> 2% AS 2×10^7 CFU/ml (min) strain KBN29
3	<i>Beauveria bassiana</i> 5% AS 1×10^8 cfu/ml (min) strain BKN 1/14
4	<i>Metarhizium anisopliae</i> 5% AS 1×10^8 cfu/ml (min) strain MET 5-1

The above list is dynamic and may change from time to time based on the CIB approved list of pesticides for use in tea and this may be seen from the website of Tea Board.

* Maximum Residue Limit fixed at Limit of Quantification (LOQ). Tolerance limit of 0.01 mg/kg shall apply in cases of pesticides for which MRL have not been fixed

** Revised and operational vide FSSAI order No. F. No.SS-T007/1/2023-Standard-FSSAI dated 27th April, 2023