

MINUTES OF THE 65th MEETING OF THE CENTRAL INSECTICIDES BOARD (CIB) HELD ON 26.09.2023 AT 1600 HRS IN ROOM NO. 445 A, NIRMAN BHAWAN, DELHI

The 65th meeting of the Central Insecticides Board was held on 26.09.2023 at 1600 hrs through hybrid mode (physical/video conferencing) under the Chairmanship of Prof. (Dr.) Atul Goel, Director General, Health Services (DGHS), Ministry of Health & Family Welfare and the Chairman, Central Insecticides Board, at 445-A, Nirman Bhawan, New Delhi. The list of the participants is at **Annexure-1**.

At the outset, the Chairman welcomed the Members and requested Secretary CIB&RC to present the agenda. After detailed deliberation on each issue, the following decisions were taken:

S. No.	Subject	The decision of the CIB
Agenda Item No. 1	Confirmation of minutes of 64 th meeting of CIB held on 15.03.2023	No comments were received from the members on the minutes of 64 th meeting of the Board, therefore, the minutes of 64 th meeting of CIB were confirmed.
Agenda Item No. 2	Follow-up action on the decisions of the 64 th Meeting of the CIB	<p>The Board noted the follow-up action on the decisions of the 64th meeting with satisfaction and appreciated the efforts made by the Secretariat of CIB&RC to complete the action in a time bound manner. (Annexure-2)</p> <p>The agenda item was discussed in detail and the Board noted that the process of Re-notification of entire Schedule and 11 new molecules is under progress, and desired that the process may be expedited.</p> <p>The Board also noted that the DA&FW has communicated that inclusion of Bacteriophages (virus) and Maltodextrin in the Insecticide schedule may be reviewed by the Board. The Board deliberated the issue and decided to refer the matter to a Sub-committee whose composition is as following :</p> <ol style="list-style-type: none"> 1. Dr. S.C. Dubey, ADG (PP&B) ICAR, New Delhi.- Chairman. 2. Dr. Sanjay Arya, Secretary (CIB&RC) – Member

		<p>3. Dr. Brijesh Tripathi, DD (Chem.) – Member.</p> <p>4. Dr. S. K. Jain, Sr. Consultant, (Medical Tox.) – Member.</p> <p>5. One member to be nominated by FSSAI – Member</p> <p>6. Dr. K. L. Gurjar, JD (PP) – Member Secretary</p> <p>The committee will submit its report in the next Board meeting.</p> <p>The Board also noted that the response from Directorate General, Factory Advice Services and Labour Institutes, to submit the flowchart to the Standard Operating Procedures (SOP) for handling, storage, manipulation and use of insecticides for catering the emergency responses is still pending. The Board desired and directed the Secretariat of CIB&RC to request once again to the DGFASLI that the flowchart to the said SOPs for catering the emergency responses may be submitted before the next board meeting.</p>
Agenda Item No. 3	Progress Report of the Registration Committee, Central Insecticides Laboratory, Techno-legal Cell and RPTL's	<p>Secretary(CIB&RC) apprised the progress made by the Registration Committee since last Board Meeting (64th), including the new & already registered chemical pesticide formulations approved/ registered by the RC u/s 9(3) (Annexure-3.1 & 3.2) and bio-pesticides approved/ registered by the RC (Annexure-3.3) during this period.</p> <p>The Board noted the progress of the CIB&RC, CIL, Techno-legal Cell and RPTL's with satisfaction.</p>
Agenda Item No. 4	Major achievements of Secretariat of CIB&RC during the period 01.03.2023 to 31.08.2023	<p>The Board appreciated the efforts of CIB&RC and recorded its satisfaction in the major achievements of the Secretariat of CIB&RC during the period from 01.03.2023 to 31.08.2023 and also appreciated herculean efforts made by the Secretariat of CIB&RC to dispose of 61467 number of applications for grant of registration,</p>

		permits and endorsements in various categories which prevented the pendency to pile up to a great extent.
Agenda Item No. 5	Additional and new packing approved by the Registration Committee	The Board noted the progress made by the CIB&RC in approving additional and new packing for approved pesticides by the RC under section 9(3) of the insecticide Act, 1968. (Annexure-5)
Agenda Item No. 6	Enhancement of shelf-life cases approved by Registration Committee	The Board noted the progress made by the CIB&RC on enhancement of shelf-life cases for registered products. (Annexure-6)
Agenda Item No. 7	Import permit issued for multi-use/dual-use (non-insecticidal purpose)	The Board members were apprised about the import permits issued for Multi-use/Dual-use Pesticides (for Non-Insecticidal purpose) during the period from 01.03.2023 to 31.08.2023. The Board noted the information. (Annexure-7)
Agenda Item No. 8	Waiting period/ pre-harvest interval between application of the pesticides and harvest in respect of various commodities in case of new formulations registered under section 9(3) & label expansion of already registered formulations.	The Board noted the progress made by the CIB&RC on waiting period/ pre-harvest interval between application of the pesticides and harvest in respect of various commodities in case of new formulations registered under section 9(3) & label expansion of already registered formulations during the period from 01.03.2023 to 31.08.2023. (Annexure-8)
Agenda Item No. 9	Consideration of Notifications issued by Ministry of Agriculture and Farmers Welfare.	The Board noted the following Final Gazette Notifications issued by the Ministry of Agriculture and Farmers Welfare vide: <ul style="list-style-type: none"> a. Final Insecticides (Second Amendment) Rules, 2023 vide G.S.R 211 (E) dated 17.03.2023 regarding the requirements on label and leaflet. b. Final Insecticides (Third Amendment) Rules, 2023 vide G.S.R 274 (E) dated 24.03.2023 regarding the revision of fee payable for

		<p>registration etc.</p> <p>c. Final Insecticides (Fourth Amendment) Rules, 2023 vide G.S.R 315 (E) dated 25.04.2023 prescribing for enhancing the date for acquiring minimum education qualification by the existing license holder under Rule 10(1A) from 31st December, 2022 to December, 2023.</p> <p>The Board considered and took note of the following Draft Notifications issued by the Ministry of Agriculture and Farmers Welfare vide:</p> <p>d. Draft Insecticides (Fifth Amendment) Rules, 2023 vide G.S.R 406 (E) dated 31.05.2023 prescribing for transfer of license to the family members of the existing license holder in case of death.</p> <p>e. Draft Insecticides (Sixth Amendment) Rules, 2023 vide G.S.R 645 (E) dated 01.09.2023 prescribing for minimum education qualification 12th and requirement of training for the Pest Control Operation using only Glyphosate and its derivatives.</p> <p>f. Draft Insecticides (Seventh Amendment) Rules, 2023 vide G.S.R 671 (E) dated 13.09.2023 prescribing for three months' time lines with holding the implementation of Final Insecticides (Second Amendment) Rules, 2023 vide G.S.R 211 (E) dated 17.03.2023 regarding the requirements on label and leaflet.</p>
<p>Agenda Item No. 10</p>	<p>Restricted use of Glyphosate (Herbicide) through PCOs</p>	<p>The Board noted the status as apprised and presented to it. It also echoed the view to complete the task in time bound manner as the matter has larger implication on the stakeholders.</p>

Agenda Item No. 11	Two Draft proposals for amendment in the Insecticides Rules- reg.	<p>The board considered the proposal presented before it and suggested following in the respective proposals:</p> <p>Proposal 1:</p> <p>1. Quantity exemption for import of technical and formulation of insecticides.-</p> <p>The board observed that quantity increase has been proposed in case of only technical and formulation import for R&D purpose and not for Plant growth regulator. It also enquired about the rationale of increasing the quantity for pesticide technical and formulation import and the present quantity exemption for each type. After discussion it approved the proposed draft notification to be published by the Department of Agriculture and Farmers Welfare, Ministry of Agriculture and Farmers Welfare.</p> <p>Proposal 2:</p> <p>2. Proposal for Amendment in Insecticides Rules, 1971 for implementation of Integrated Pesticide Management System (IPMS):-</p> <p>The board enquired about the genesis and requirements of the proposed digital platform of Integrated Pesticide Management System and discussed the same and desired that the draft notification seeking the amendments in the referred rule for implementation of IPMS in the Insecticides Rule 1971 may be brought before it in the form of draft notification.</p>
Agenda Item No. 12	Minor modifications in the 'Draft Gazette Notification 33(E) dated January 22, 2022 for Draft insecticides (Amendment) Rules, 2022 – Toxicity Classification and	The board discussed in detail the chronology of the events and deliberated the revised proposal on Draft Gazette Notification 33(E) dated January 22, 2022 for Draft insecticides (Amendment) Rules, 2022 – Toxicity Classification and Colour Coding of Pesticides. It has been observed that Toxicity Classification and Colour

	Colour Coding of Pesticides'	Coding of Pesticides has been thoroughly revisited again after reconsidering the objections, suggestions and comments of various stakeholders. Minor modifications have been incorporated in the final proposed 'Toxicity Classification and Colour Coding of Pesticides. The board directed that instead of using bright blue colour in both moderately toxic and slightly toxic categories, the colour coding for slightly toxic may be made light blue and the moderately toxic to bright blue to differentiate both the categories. The revised annexure proposing the toxicity classification and colour coding in the draft Gazette Notification 33(E) is enclosed at Annexure –12.
Agenda Item No. 13	List of molecules proposed to be included in the Schedule to the Insecticides Act 1968	The Board deliberated the agenda in detail and approved 09 molecules for inclusion in the Schedule to the Insecticides Act, 1968, not approved 01 molecule, deferred 01 molecule for the want of complete toxicity data and refer 02 molecules to the Sub-committee formed vide agenda item no. 2 as per Annexure -13.
Agenda Item No. 14	Any other item with the permission of the Chair	No other point was raised by any of the members. The meeting ended with a vote of thanks to the Chair.

Annexure –I

List of Participants of 65th meeting of the Central Insecticides Board held on 15th September 2023 at 16:00Hrs (Hybrid Mode)

Board Chairman/ Members

1. Prof. (Dr.) Atul Goel, Director-General of Health Services(DGHS)
2. Dr.I. S. Hura, DDC, Representative of Drugs Controller General of India
3. Dr. P. K. Singh, Agriculture Commissioner, DA&FW
4. Dr. S. C. Dubey ADG (PP), ICAR, New Delhi
5. Dr. J. P. Singh, Plant Protection Adviser, DPPQS, Faridabad
6. Dr. Sanjay Arya, Secretary(CIB&RC), DPPQS, Faridabad
7. Dr. Vishal Choudhary, Dy. Industrial Advisor (Chemicals), DCPC
8. Mrs. Suneeti Toteja, Head Food & Agri, BIS
9. Dr. D. S. Suman, on behalf of Director ZSI, Kolkata.
10. Mr. Sumer (Joined through VC)
11. Mr. Anil Kumar Bisen(Joined through VC)

List of experts/participants from the Secretariat of CIB&RC, TLC and CIL

1. Sh. Subhash Chand, JD (Chem)
2. Dr. K. L. Gurjar, JD(PP)
3. Sh. Govind Ram, Sr.A.O.
4. Sh. Hari Om Miglani, Sr.L.O.
5. Dr. Sneha Potdar, DD (Chem)
6. Dr. Avnish Tomar, DD (Chem)
7. Dr. Brijesh Tripathi, DD (Chem)
8. Dr. G. K. Bunkar, DD (E)
9. Sh. Mahesh Chandra, AD(WS)
10. Dr. T. S. Rajan, AD(E)
11. Dr. Rajveer Yadav, AD (Chem)
12. Sh. A D Bhatt, PPO(Chem.)
13. Dr. S. K. Jain, Sr. Consultant (Medical Tox.)

Annexure - 2Follow-up Action on 64th CIB meeting

The 64th meeting of the Central Insecticides Board was held on 15.03.2023 at 1100 hrs through hybrid mode/video conferencing under the Chairmanship of Prof. (Dr.) Atul Goel, Director General, Health Services (DGHS), Ministry of Health & Family Welfare and the Chairman, Central Insecticides Board, at 445-A, NirmanBhawan, New Delhi.

The following Follow-up Action taken on the outcomes of 64thCIB meeting:

S. No.	Subject	The decision of the CIB	Action Taken
Agenda Item No. 1	Confirmation of minutes of 63 rd meeting of CIB held on 05.09.2022	<p>No comments were received from the members on the minutes of the 63rd meeting of the Board, therefore, the minutes of the 63rd meeting of CIB was confirmed.</p> <p>While confirming the MOM, it was also informed that the minutes of the 63rd CIB meeting on agenda item no. 18 on the Follow-up agenda on agenda item no. 11 of 62nd Board meeting on Re-notification of the complete list of the schedule to the Insecticides Act, 1968, stands corrected as mentioned below:</p> <p>The agenda was discussed in detail and while appreciating the efforts of the sub-committee, the Board approved the recommendations of the sub-committee to the extent that, the complete harmonized schedule to the Insecticides Act 1968 may be sent to DA&FW for re-notifying while keeping the available details of the erstwhile Gazette notification in respect to the entries of the schedule.</p> <p>It was also observed during the deliberation that entry at Sl. No. 930 and 932 are the same, so, one of them may be removed.</p> <p>Further, the Board considered the request that after incorporating any typographical error or any repetition as observed above</p>	DA&FW was communicated to re-notify the entire schedule at - Annexure-1.2

		may be removed and the report presented in the agenda shall be submitted to the Secretariat of the CIB&RC for further needful on the recommendations/suggestions of the sub-committee, and a request to re-notify the entire schedule at - Annexure-1.2 may be communicated to DA&FW.	
Agenda Item No. 2	Follow-up action on the decisions of the 63 rd Meeting of the CIB	The Board noted the follow-up action on the decisions of the 63 rd meeting with satisfaction and appreciated the efforts made by the Secretariat of CIB&RC to complete the action in a time-bound manner. (Annexure-2)	No Action Required
Agenda Item No. 3	Progress Report of the Registration Committee, Central Insecticides Laboratory, Techno-legal Cell and RPTL's	Secretary(CIB&RC) apprised the progress made by the Registration Committee since the last Board Meeting, including the new & already registered chemical pesticide formulations approved/ registered by the RC u/s 9(3) (Annexure-3.1 & 3.2) and bio-pesticides approved/ registered by the RC (Annexure-3.3) during this period. The Board perused the agenda and noted the progress of the TLC Division with sufficient satisfaction. The Board also desired that the TLC Division ought to take all necessary steps in order to ensure the timely filing of the prosecutions by the concerned CIIs.	TLC division was communicated the decision of the Board for compliance.
Agenda Item No. 4	Major achievements of the Secretariat of CIB&RC during the period 01.09.2022 to 28.02.2023	The Board appreciated the efforts of CIB&RC and recorded its satisfaction in the major achievements of the Secretariate of CIB&RC during the period from 01.09.2022 to 28.02.2023 and also appreciated concrete efforts made by the Secretariat of CIB&RC to dispose off 51573 number of applications for grant of registration so as to reduce pendency to the large extant.	No Action Required

Agenda Item No. 5	Additional and new packing approved by the Registration Committee	The Board noted the progress made by the CIB&RC in approving additional and new packing for approved pesticides by the RC under section 9(3) of the insecticide Act, 1968. (Annexure-5)	No Action Required
Agenda Item No. 6	Enhancement of shelf-life cases approved by the Registration Committee	The Board noted the progress made by the CIB&RC on the enhancement of shelf-life cases for registered products. (Annexure-6)	No Action Required
Agenda Item No. 7	Import permit issued for multi-use/dual-use (non-insecticidal purpose)	The Board members were apprised about the import permit issued for Multi-use/Dual-use Pesticides (for Non-Insecticidal purposes) during the period from 01.09.2022 to 28.02.2023. The Board noted the information. (Annexure-7)	No Action Required
Agenda Item No. 8	Waiting period/ pre-harvest interval between application of the pesticides and harvest in respect of various commodities in case of new formulations registered under section 9(3) & label expansion of already registered formulations.	The Board noted the progress made by the CIB&RC on the waiting period/ pre-harvest interval between application of the pesticides and harvest in respect of various commodities in case of new formulations registered under section 9(3) & label expansion of already registered formulations during the period from 01.09.2022 to 28.02.2023. (Annexure-8)	No Action Required
Agenda Item No. 9	Consideration of Notifications issued by the Ministry of Agriculture and Farmers Welfare.	The Board noted the Notifications issued by the Ministry of Agriculture and Farmers Welfare vide: a. G.S.R 790 (E) dated 21.10.2022, Draft Insecticides Amendment Rules, 2022 regarding the educational qualification of the person who applies for a	No Action Required

		<p>manufacturing licence.</p> <p>b. G.S.R 806 (E) dated 27.10.2022, Draft Insecticides (Amendment) Rules, 2022 regarding amendment in label and leaflets.</p> <p>c. G.S.R 833 (E) dated 22.11.2022, Draft Insecticides (Amendment) Rules, 2022 regarding revision of fee payable for registration.</p> <p>d. G.S.R 846 (E) dated 24.11.2022, Insecticides (Second Amendment) Rules, 2022 regarding the Sale of Insecticides through an e-commerce entity.</p> <p>e. S. O. 5010 (E) dated 21.10.2022, Restriction on use of Glyphosate Order 2022</p> <p>f. S.O. 701 (E) dated 02.02.2023, Draft Insecticides (Prohibition) Order, 2023</p> <p>g. G.S.R 140 (E) dated 24.02.2023, Insecticides (First Amendment) Rules, 2023 regarding the educational qualification of the person who applies for a manufacturing licence.</p> <p>h. G.S.R. 172(E) dated 07.03.2023, Draft Insecticides (Fourth Amendment) Rules, 2023.</p> <p>i. G.S.R. 173(E) dated 07.03.2023, Draft Insecticides (Fifth Amendment) Rules, 2023.</p>	
Agenda Item No. 10	Restricted use of Glyphosate (Herbicide) through PCOs	The Board noted the status as appraised.	No Action Required
Agenda Item No. 11	List of molecules proposed to be included in the Schedule to the	The Board deliberated the agenda in detail and agreed to include 14 new molecules in the Schedule to the Insecticides Act, 1968 and did not consider the inclusion of two	DA & FW was communicated to notify the 13 new molecules out of 14

	Insecticides Act 1968	molecules one being the common laboratory chemical an inorganic molecule and the second molecule on the want of insufficient toxicology data. The list is annexed at Annexure -11	approved new molecules (Metrafenone is already included in the Schedule at Sr No. 797 as Metralenone, which was corrected) Annexure-11 in English & Hindi of their name/ IUPAC/CAS name and CAS Number. The DA&FW has communicated that inclusion of Bacteriophages (virus) and Maltodextrin may be reviewed by the Board. The process of notification of rest 11 new molecules is under process.
Agenda Item No. 12	Follow-up action of Agenda Item No. 14 of 63 rd CIB Meeting	This issue was inadvertently placed again before the Board. The board was apprised that based upon the decision of the 63 rd Board meeting in the matter on the transfer of license in case of death of licensee and requirement of qualification, the DA&FW was communicated the decision of the 63 rd meeting of the Board vide letter no. 04-20/2018 CIR-II dated 29.09.2022. The decision of the Board is reiterated.	DA&FW was communicated the decision of the Board. Subsequently, a Notification No. GSR406(E) dated 31 st May, 2023 was published as draft rules.
Agenda Item No. 13	Follow up 63 rd CIB meeting vide agenda item No. 1, on Standard	The Board deliberated the agenda and appreciated the efforts of the Directorate General, Factory Advice Services and Labour Institutes (DG, FASLI), in	DG, FASLI was communicated the decision of the Board that some

	<p>Operating Procedures (SOP) for handling, storage, manipulation and use of insecticides in pursuance of the report containing prescribed Safety and health standards, dated 05.09.2022, submitted by the Directorate General, Factory Advice Services and Labour Institutes (DG, FASLI),</p>	<p>preparing the SOP. While considering and accepting the SOP, it is also desired that some flowchart may also be added to the said SOP for catering the emergency responses.</p>	<p>flowchart may also be added to the submitted Standard Operating Procedures (SOP) for handling, storage, manipulation and use of insecticides for catering the emergency responses. The response from Directorate General, Factory Advice Services and Labour Institutes is still awaited.</p>
<p>Agenda Item No. 14</p>	<p>Follow up agenda item no. 9 of the 62nd Board Meeting: consideration of interim approval for application of already approved pesticides formulation through drone</p>	<p>The board noted the progress of the sub-committee with satisfaction and endorsed the views that the Insecticide Rule 1971 on Aerial Spraying doesn't require any amendment at this juncture.</p>	<p>No Action Required</p>
<p>Agenda Item No. 15</p>	<p>Any other item with the permission of the Chair</p>	<p>No other point was raised by any of the members. The meeting ended with a vote of thanks to the Chair.</p>	<p>No Action Required</p>

Annexure-3.1**List of Pesticides and New Formulations Approved by the Registration Committee under Section 9(3) of the Insecticides Act, 1968 [9(3) TI and 9(3) FI, FIM & FIM v/s FIT]**

Sl. No.	Name of Pesticides	Name of the registrant	Category	RC Number
1	Chloranriniliprole 35% WG	M/s Natco Pharma Ltd	9(3) FIM vs FIT	445
2	Pyroxasulfone technical 98.4% min	M/s ADAMA India Pvt. Ltd	9(3) (TIM vs FI-WRT)	445
3	Bispyribac sodium 38% + Chlorimuron ethyl 2.5% + Metsulfuron methyl 2.5% WG	M/s P I Industries Ltd.	9(3) FIM	445
4	Diafenthiuron 47.8% SC (Diafenthiuron 50% w/v SC)	M/s Syngenta India Ltd	9(3)FIM	445
5	Dinotefuran 11% + Pymetrozine 36% WG	M/s UPL Ltd	9(3)FIM	445
6	Tribasic copper sulphate 34.5% SC	M/s Sumitomo	9(3)FI	445
7	Diclosulam technical 94.1%	M/s Deccan Fine Chemicals (India) Pvt. Ltd	9(3) TIM	445
8	Permethrin 2% Aerosol	M/s Arguse Polymers	9(3) FIM	445
9	Difenoconazole 6% + Validamycin 6% SC	M/s Willowood Chemicals Pvt. Ltd	9(3) FIM	445
10	Chlorantraniliprole 50% FS	M/s Corteva Agriscience India Pvt. Ltd.	9(3) FI	445
11	Fipronil 0.8% WG	M/s Sulphur Mills Ltd	9(3) FIM	446
12	Fluopyram 21.37% + Trifloxystrobin 21.37% SC	M/s Bayer CropScience Ltd	9(3) FIM	446
13	Copper Oxychloride 47% + Metalaxyl 8% WP	M/s Agro Life Science Corporation,	9(3) FIM	446
14	Fluazaindolizine technical 96.1% w/w min.	M/s Corteva Agriscience India Pvt. Ltd.	9(3) TI	446
15	Fluazaindolizine 41.15% SC	M/s Corteva Agriscience India Pvt. Ltd	9(3) FIM	446
16	Chlorfenapyr 240 g/l SC	M/s BASF India Ltd.	9(3) FIM	446
17	Bensulfuron methyl 4.8% + Pretilachlor 48% OD	M/s Crystal Crop Protection Ltd.	9(3) FIM	446
18	Fipronil 8% + Pymetrozine 35% WG	M/s UPL Ltd.	9(3) FIM	446
19	Pendimethalin 15% + Pyrazosulfuron ethyl 0.15% GR	M/s GSP Crop Science Pvt. Ltd.	9(3) FIM	446
20	Tolfenpyrad 15% + Bifenthrin 7.5% SE	M/s GSP Crop Science Pvt. Ltd.	9(3) FIM	446

21	Bispyribac sodium 2.00% + 2,4-D sodium salt 54.30% SP	M/s ADAMA India Pvt. Ltd.	9(3) FIM	447
22	Glufosinate ammonium technical 95% w/w min.	M/s Krishi Rasayan Exports Pvt. Ltd.	9(3) TI	447
23	Fipronil 2.50% + Propergite 35.00% SE	M/s Willowood Chemicals Pvt. Ltd.	9(3) FIM	447
24	Pyraclostrobin 10% + Thiafluzamide 10% SC	M/s Gharda Chemicals Ltd.	9(3) FIM	447
25	Emamectin benzoate 1.1% + Diafenthiuron 30% SC	M/s Willowood Chemicals Pvt. Ltd.	9(3) FIM	447
26	Carboxin 22.5% + Thiram 22.5% + Imidacloprid 18% WS	M/s Willowood Chemicals Pvt. Ltd.	9(3) FIM	447
27	Dimethenamide-P technical 93% w/w min	M/s BASF India Ltd.	9(3) TI	447
28	Saflufenacil 68 g/l + Dimethanamid-P 600 g/l EC min.	M/s BASF India Ltd.	9(3) FI	447
29	Prochloraz 24.4% + Tebuconazole 12.1% EW	M/s ADAMA India Pvt. Ltd	9(3) FIM vs FIT	447
30	Clothianidin 50% WG	M/s Crystal Crop Protection Ltd.	9(3) FIM vs FIT	447
31	Pyroxasulfon 85% WG	M/s Seedling India Pvt. Ltd.	9(3) FIM vs FIT	447
32	Dicamba 48% SL	M/s Gharda Chemicals Ltd.	9(3) FIM	447
33	Diafenthiuron 40% + Spinoteram 5% SC	M/s ADAMA India Pvt. Ltd.	9(3) FIM	447
34	Emamectin benzoate 2.2% + Permethrin 15.3% SC	M/s Coromandel International Ltd.	9(3) FIM	447
35	Acetamiprid 20% + Chlorantraniliprole 20% WG	M/s UPL Ltd.	9(3) FIM	447
36	Azoxystrobin 20% + Thifluzamide 15% SC	M/s Gharda Chemicals Ltd.	9(3) FIM	447
37	Bispyribac sodium 9.5% + Penoxasulam 7.8% SC	M/s Insecticides India Ltd.	9(3) FIM	447
38	Metribuzin 16.8% + 2,4-D sodium salt 56% WP	M/s Insecticides India Ltd.	9(3) FIM	447
39	Bifenthrin 10% + Thiamethoxam 5% SC	M/s Willowood Chemicals Pvt. Ltd.	n 9(3) FIM	447
40	Metribuzin technical 95% w/w min.	M/s Rainbow Agrosiences Pvt. Ltd.	9(3) TI	447
41	Fluxametamide 3.8%+ Pyridaben 9.5% SC	M/s Godrej Agrovvet Ltd.	9(3) FI	447
42	Afidopyropen technical 92.5% w/w min	M/s BASF India Ltd.	9(3) TI	447
43	Paraquat dichloride 42% w/w min	M/s Rainbow Agrosiences Pvt. Ltd.	9(3) TI	447
44	Fenobucarb 22.5% + Buprofezin	M/s Willowood Chemicals	9(3) FIM	447

	11.25% + Acephate 2.5% ME	Pvt. Ltd.		
45	Trifloxystrobin 10% + Difenconazole 12.5% + Sulphur 3% SC	M/s Seedling India Pvt. Ltd.	9(3) FIM	447
46	Imazamox 35% + Imazethapyr 35% WG	M/s BASF India Ltd.	9(3) FIM vs FIT	448
47	Benzpyrimoxan 10% + Pymetrozine 20% WG	M/s Nichino India Pvt. Ltd.	9(3) FIM	448
48	Benzpyrimoxan 15% + Fipronil 10% SC	M/s Rallis India Ltd.	9(3) FIM	448
49	Deltamethrin 25% WDG	M/s SML Ltd.	9(3) FIM	448
50	Fludioxonil technical 95% w/w min	M/s Syngenta India Ltd.	9(3) TI	448
51	Sedaxan 15.27% + fludioxonil 7.64 + Metalaxyl-M 3.06% FS	M/s Syngenta India Ltd	9(3) FI	448
52	Carbofuran technical 97% w/w min	M/s Amish Crop Science Pvt. Ltd.	9(3) TI	448
53	Pyroxasulfone 85% WG	M/s ADAMA India Pvt. Ltd.,	9(3) FIM vs FIT	449
54	Metiram 55% + Pyraclostrobin 5% WG	M/s Seedling India Pvt. Ltd.	9(3) FIM vs FIT	449
55	Metiram 44% + Dimethomorph 9% WG	M/s Seedling India Pvt. Ltd.	9(3) FIM vs FIT	449
56	Carfentrazone ethyl 40% DF	M/s Bharat Rasayan Ltd.	9(3) FIM vs FIT	449
57	Halosulfuron methyl 6% + Metribuzin 50% WG	M/s DhanukaAgritech Ltd.	9(3) FIM	449
58	Pymetrozine 25.0% + Thiamethoxam 17.5% + Hexaconazole 12.5% WG	M/s GSP Crop Science Pvt. Ltd.	9(3) FIM	449
59	Thiocyclam hydrogen oxalate 3.0% + Clothianidin 1.2% GR	M/s GSP Crop Science Pvt. Ltd.	9(3) FIM	449
60	Topramezone 32 g/l + Dimethenamid-p 538 g/l EC	M/s BASF India Ltd.	9(3) FIM	449
61	Trifloxystrobin technical 97.00% w/w	M/s Crimsun Organics Pvt. Ltd.	9(3) TIM	449
62	Methoxyfenozide 5% + Chlorpyrifos 25% SE	M/s Rallis India Ltd.	9(3) FIM	449
63	Emamectin benzoate 3.5% + Lambdacyhalothrin 5% WP	M/s Agro Life Science Corporation	9(3) FIM	449
64	Profenofos 40% + Lambda cyhalothrin 1.5% EC	M/s Agro Life Science Corporation	9(3) FIM	449
65	Emamectin benzoate 3.8% + Thiamethoxam 20% WDG	M/s Agro Life Science Corporation	9(3) FIM	449
66	Novaluron 9.45% + Lambda cyhalothrin 1.9% ZC	M/s UPL Ltd	9(3) FIM	449

67	Chlorpyrifos 19% ME	M/s Insecticides India Ltd.	9(3) FIM	449
68	Oxathiapiprolin 2.77% + Mandipropamid 23.08% SC	M/s Syngenta India Ltd.	9(3) FI	449
69	Nitrobenzene 20% w/w EW	M/s Devi Cropscience Pvt. Ltd.	9(3) FIM	449
70	Fipronil 10% + Diafenthiuron 30% WG	M/s Gharda Chemicals Ltd.	9(3) FIM	450
71	Profenofos 50% + Fenprothrin 5% EC	M/s Sumitomo Chemical India Ltd.	9(3) FIM	450
72	Etoxazole technical 94.6% w/w min	M/s Sumitomo Chemical India Ltd.	9(3)TI	450
73	Etoxazole 6% + Abamectin 1.5% SC	M/s Sumitomo Chemical India Ltd.	9(3) FIM	450
74	Glyphosate technical 95% w/w min	M/s Amish Crop Sciences Pvt. Ltd.	9(3)TI	450

Annexure-3.2

List of Already Registered Pesticides and Formulations Approved by the Registration Committee Under Section 9(3) of the Insecticides Act, 1968 [9(3) TI New Source and 9(3) TIM v/s TI

Sl. No.	Name of Pesticides	Name of the registrant	Category	RC Number
1	Chlorantraniliprole technical 94% w/w min.	M/s Crystal Crop Protection Ltd.	9(3) (TIM vs TI)	445
2	Dimethomorph technical 97% w/w min	M/s Rainbow Agrosciences Pvt. Ltd.	9(3) TI New Source	446
3	Fomesafen technical 95.5% w/w min.	M/s UPL Ltd.	9(3) (TIM vs TI)	447
4	Cyproconazole technical 95% w/w min	M/s UPL Ltd.	9(3) (TIM vs TI)	447
5	Acetamiprid technical 99% w/w min.	M/s Rainbow Agrosciences Pvt. Ltd.	9(3) TI New Source	447
6	Fomesafen technical 95.5% w/w min.	M/s UPL Ltd.	9(3)(TIM vs TI)	447
7	Cyproconazole technical 95% w/w min.	M/s UPL Ltd.	9(3) (TIM vs TI)	447
8	Chlorantraniliprole technical 95% w/w min	M/s Tagros Chemicals India Pvt. Ltd.	9(3) (TIM vs TI)	449

Annexure-3.3**List of approved bio-pesticide which was approved U/s 9(3)/9(3b) of the Insecticide Act 1968**

S. No	Product Name	Company Name	Strain &Assession No	Categor y	RC No.
1.	Trichoderma harzianum 1.0% WP	M/s Biofac Inputs Pvt. Ltd.,	[Strain IIHR Th-2, Accession No. ITCC No. 6888]	9(3)	445
2.	<i>Verticillium chlamydosporium</i> 1% WP under section 9(3).	M/s Gujrat Pesticides Company	[Strain IIHR VC-3, Accession No. ITCC 6898]	9(3)	445
3.	<i>Verticillium chlamydosporium</i> 1% WP under section 9(3).	M/s Global Farm solutions	[Strain IIHR VC-3, Accession No. ITCC 6898]	9(3)	445
4.	<i>Verticillium lecanii</i> 1.15% WP	M/s Microbial Mining Bio Tech Pvt.	[Strain AS-MEGH-VL, Accession No. MCC 1028].	9(3)	445
5.	<i>Verticillium lecanii</i> 1.15% WP	M/s Gujarat Life Science Pvt. Ltd	[Strain AS-MEGH-VL, Accession No. MCC 1028].	9(3)	445
6.	<i>Verticillium lecanii</i> 1.15% WP	M/s Rinati	[Strain AS-MEGH-VL, Accession No. MCC 1028].	9(3)	445
7.	<i>Beauvariabassiana</i> 1.15% WP	M/s Microbial Mining Bio Tech Pvt. Ltd	[Strain BB-ICAR-RJP, Accession No. MCC 1022]	9(3)	445
8.	<i>Beauvariabassiana</i> 1.15% WP	M/s Godavari Biofertilizer Industries	[Strain BB-ICAR-RJP, Accession No. MCC 1022]	9(3)	445
9.	<i>Beauvariabassiana</i> 1.15% WP	M/s Gujrat Pesticides Company	[Strain BB-ICAR-RJP, Accession No. MCC 1022]	9(3)	445
10.	<i>Trichoderma viride</i> 1.5% WP	M/s Microbial Mining Bio Tech Pvt. Ltd.,	[Strain IIHR TV-5, Accession No. ITCC 6889]	9(3)	445
11.	<i>Trichoderma viride</i> 1.5% WP	M/s Agri India Biotech	[Strain IIHR TV-5, Accession No. ITCC 6889]	9(3)	445
12.	<i>Trichoderma viride</i> 1.5% WP	M/s Zytex Biotech Pvt. Ltd.,	[Strain IIHR TV-5, Accession No. ITCC 6889]	9(3)	445
13.	<i>Trichoderma viride</i>	M/s Biofac Inputs	[Strain IIHR TV-5,	9(3)	445

	1.5% WP	Pvt. Ltd.,	Accession No. ITCC 6889]		
14.	<i>Trichoderma viride</i> 1.5% WP	M/s Krishi Vigyan Kendra,	[Strain IIHR TV-5, Accession No. ITCC 6889]	9(3)	445
15.	<i>Trichoderma viride</i> 1.5% WP	M/s Omkar Agro Chemicals Pvt. Ltd.,	[Strain IIHR TV-5, Accession No. ITCC 6889]	9(3)	445
16.	<i>Pseudomonas fluorescens</i> 1.0% WP	M/s Oshnic Crop Science Ltd.,	[Strain IIHR PF-2, Accession No. ITCC B0034]	9(3)	445
17.	<i>Pseudomonas fluorescens</i> 1.0% WP	M/s Global Farm Solution	[Strain IIHR PF-2, Accession No. ITCC B0034]	9(3)	445
18.	<i>Pseudomonas fluorescens</i> 1.0% WP	M/s Biofac Inputs Pvt. Ltd.,	[Strain IIHR PF-2, Accession No. ITCC B0034]		445
19.	<i>Pseudomonas fluorescens</i> 1.0% WP	M/s Agri India Biotech	[Strain IIHR PF-2, Accession No. ITCC B0034]	9(3)	445
20.	<i>Pseudomonas fluorescens</i> 1.0% WP	M/s Navaratan Bio Science Pvt. Ltd.,	[Strain IIHR PF-2, Accession No. ITCC B0034]	9(3)	445
21.	Bacillus subtilis 1.5% AS	M/s United Crop Care,	[Strain KTSB-1015 & Accession No. ITCC No. MTCC 5786]	9(3)	446
22.	Bacillus subtilis 1.5% AS	M/s UPL Ltd.,	[Strain KTSB-1015 & Accession No. ITCC No. MTCC 5786]	9(3)	446
23.	Bacillus subtilis 1.5% AS	M/s Universal Bio-Con Pvt. Ltd.,	[Strain KTSB-1015 & Accession No. ITCC No. MTCC 5786]	9(3)	446
24.	Bacillus subtilis 1.5% AS	M/s Organic Earth Energy Pvt. Ltd.,	[Strain KTSB-1015 & Accession No. ITCC No. MTCC 5786]	9(3)	446
25.	Beauveria bassiana 1.15% W	M/s Interglobe Agrochemicals,,	[Strain BB-ICAR-RJP, Accession No. MCC 1022]	9(3)	446
26.	Beauveria bassiana 1.15% W	M/s Omkar Agrochemicals Pvt. Ltd.,	[Strain BB-ICAR-RJP, Accession No. MCC 1022]	9(3)	446
27.	Beauveria bassiana 1.15% W	M/s Organic Earth Energy Pvt. Ltd.,	[Strain BB-ICAR-RJP, Accession No. MCC 1022]	9(3)	446
28.	Beauveria bassiana 1.15% W	M/s Shivashakti Bio Technologies	[Strain BB-ICAR-RJP, Accession No. MCC	9(3)	446

		Ltd.,	1022]		
29.	Beauvariabassiana 1.15% W	M/s Velamani Crop,	[Strain BB-ICAR-RJP, Accession No. MCC 1022]	9(3)	446
30.	Metarhizium anisopliae 1.0% WP	M/s Ami Agro Agency	Strain IPL/KC/44, Accession No. ITCC 6895].	9(3)	446
31.	Metarhizium anisopliae 1.0% WP	M/s Global Farm solution	Strain IPL/KC/44, Accession No. ITCC 6895].	9(3)	446
32.	Metarhizium anisopliae 1.0% WP	M/s Gujarat Pesticides Company	Strain IPL/KC/44, Accession No. ITCC 6895].	9(3)	446
33.	Pseudomonas fluorescens 1.0% WP	M/s Gujarat Pesticides Company	[Strain IIHR PF-2, Accession No. ITCC B0034	9(3)	446
34.	Pseudomonas fluorescens 1.0% WP	M/s Inter-globe AgroChemicals	[Strain IIHR PF-2, Accession No. ITCC B0034	9(3)	446
35.	Pseudomonas fluorescens 1.0% WP	M/s Omkar Agro Chemicals Pvt. Ltd.,	[Strain IIHR PF-2, Accession No. ITCC B0034	9(3)	446
36.	Pseudomonas fluorescens 1.0% WP	M/s Organic Earth Energy Pvt. Ltd.	[Strain IIHR PF-2, Accession No. ITCC B0034	9(3)	446
37.	Pseudomonas fluorescens 1.0% WP	M/s Synergy Crop Science Pvt. Ltd	[Strain IIHR PF-2, Accession No. ITCC B0034	9(3)	446
38.	Trichoderma harzianium 2.0% AS	M/s Krishi Vikas Sahakari samiti Ltd	[Strain IPL/VT/102 Accession No. ITCC 6893]	9(3)	446
39.	Trichoderma harzianium 1.0%WP	M/s Organic Earth Energy Pvt. Ltd.	[Strain IIHR Th-2, Accession No. ITCC No. 6888]	9(3)	446
40.	Trichoderma viride 1.5% WP	M/s United Crop Care	[Strain IIHR TV-5, Accession No. ITCC 6889]	9(3)	446
41.	Trichoderma viride 1.5% WP	M/s Velamani Crop	[Strain IIHR TV-5, Accession No. ITCC 6889]	9(3)	446
42.	Verticillium chlamydosporium 1% WP	M/s Inter-globe Agrochemicals	Strain IIHR VC-3, Accession No. ITCC 6898]	9(3)	446
43.	Verticillium chlamydosporium 1% WP	M/s Omkar Agrochemicals Pvt. Ltd	[Strain IIHR VC-3, Accession No. ITCC 6898]	9(3)	446

44.	Verticillium chlamydosporium 1% WP	M/s Organic Earth Energy Pvt. Ltd.,	[Strain IIHR VC-3, Accession No. ITCC 6898]	9(3)	446
45.	Verticillium chlamydosporium 1% WP	M/s Velamani Crop.,	[Strain IIHR VC-3, Accession No. ITCC 6898]	9(3)	446
46.	Verticillium lecanii 1.15% W	M/s Omkar Agrochemicals Pvt. Ltd	Strain AS-MEGH-VL, Accession No. MCC 1028]	9(3)	446
47.	Verticillium lecanii 1.15% W	M/s Organic Earth Energy Pvt. Ltd.,	Strain AS-MEGH-VL, Accession No. MCC 1028]	9(3)	446
48.	Verticillium lecanii 1.15% W	M/s Velmani Crop.	[Strain AS-MEGH-VL, Accession No. MCC 1028].	9(3)	446
49.	Pseudomonas fluorescens 0.5% WP	M/s Godvari Biofertilizer Industries,	Strain TNAU, Accession No. BE0005]	9(3)	446
50.	Pseudomonas fluorescens 2.0%	M/s Kan Biosys	Strain IPL/PS-01, Accession No. MTCC-5727].	9(3)	446
51.	<i>Bacillus thuringiensis var israelensis</i> 5% AS	M/s Krishi Vikas Sahakari Samiti Ltd.,	[Strain VCRC-B-17, Accession No. MTCC-5596]	9(3)	447
52.	<i>Beauveria bassiana</i> 1.15% WP	M/s JU Agri Science Pvt. Ltd.,	[Strain BB-ICAR-RJP, Accession No. MCC 1022]	9(3)	447
53.	<i>Beauveria bassiana</i> 1.15% WP	M/s Synergy Cropscience Pvt. Ltd.,	[Strain BB-ICAR-RJP, Accession No. MCC 1022]	9(3)	447
54.	<i>Metarhizium anisopliae</i> 1.0% WP	M/s JU Agri Science Pvt. Ltd.,	Strain IPL/KC/44, Accession No. ITCC 6895]	9(3)	447
55.	<i>Metarhizium anisopliae</i> 1.0% WP	M/s FishfaBiogenics (A division of fishfa Rubbers Ltd.),	Strain IPL/KC/44, Accession No. ITCC 6895]	9(3)	447
56.	<i>Pseudomonas fluorescens</i> 1.0% WP	M/s Devi Biotech Pvt. Ltd.,	[Strain IIHR PF-2, Accession No. ITCC B0034]	9(3)	447
57.	<i>Pseudomonas fluorescens</i> 1.0% WP	M/s FishfaBiogenics (A division of fishfa Rubbers Ltd.),	[Strain IIHR PF-2, Accession No. ITCC B0034]	9(3)	447
58.	<i>Trichoderma harzianum</i> 1.0% WP	M/s Lila Agrotech Pvt. Ltd.,	[Strain IIHR Th-2, Accession No. ITCC	9(3)	447

			No. 6888]		
59.	<i>Trichoderma harzianum</i> 1.0% WP	M/s Shivshakti Bio Atechonologies Ltd.,	[Strain IIHR Th-2, Accession No. ITCC No. 6888]	9(3)	447 th RC
60.	<i>Verticillium lecanii</i> 1.15% WP	M/s JU Agri Science Pvt. Ltd.,	[Strain AS-MEGH-VL, Accession No. MCC 1028]	9(3)	447
61.	<i>Bacillus thuringiensis</i> var israelensis 5% AS	M/s Black Water Biotech Pvt. Ltd.,	(Serotype H 14) (Strain: VCRC-B-17)	9(3)	447
62.	<i>Verticillium lecanii</i> 1.15% WP	M/s Inter-globe Agro Chemicals	[Strain AS-MEGH-VL, Accession No. MCC 1028]	9(3)	447
63.	<i>Bacillus subtilis</i> 1.5% AS	Vishal Organic & Research Centre,	[Strain KTSB-1015 & Accession No. ITCC No. MTCC 5786]	9(3)	448
64.	<i>Bacillus thuringiensis</i> var kurstaki 0.5% WP	Kirshi Vikas Sahakari Samiti Ltd.,	Strain DOR Bt-1 Accession No. NAIMCC-B-01118	9(3)	448
65.	<i>Pseudomonas fluorescens</i> 1.0% WP	Velimani Crop	[Strain IIHR PF-2, Accession No. ITCC B0034]	9(3)	448
66.	<i>Pseudomonas fluorescens</i> 2.0 AS	Vishal Organic & Research Centre	[Strain IPL/PS-01, Accession No. MTCC-5727].	9(3)	448
67.	<i>Trichoderma viride</i> 1.5% WP	Nav Durga Agrosience Pvt. Ltd.,	[Strain IIHR TV-5, Accession No. ITCC 6889]	9(3)	448
68.	<i>Metarhizium anisopliae</i> 1.0% WP	Generous Technologies Pvt. Ltd	Strain IPL/KC/44, Accession No. ITCC 6895]	9(3)	448
69.	<i>Metarhizium anisopliae</i> 1.0% WP	Growtech Agri Science and Research (P) Ltd.	Strain IPL/KC/44, Accession No. ITCC 6895]	9(3)	448
70.	<i>Metarhizium anisopliae</i> 1.0% WP	Nirmal Seeds Pvt. Ltd.	Strain IPL/KC/44, Accession No. ITCC 6895]	9(3)	448
71.	<i>Metarhizium anisopliae</i> 1.0% WP	K.R. Life Sciences Pvt. Ltd.	Strain IPL/KC/44, Accession No. ITCC 6895]	9(3)	448
72.	<i>Verticillium chlamyosporium</i> 1% WP	Shiv Paramount Organics and Fertilizers Pvt. Ltd.,	Strain IIHR VC-3, Accession No. ITCC 6898]	9(3)	448
73.	<i>Verticillium lecanii</i> 1.15% WP	Maharashtra Insecticides Ltd.	[Strain AS-MEGH-VL, Accession No. MCC 1028]	9(3)	448

74.	Beauvariabassiana 1.15% WP	Ruchi Oyster Mushroom	Strain BB-ICAR-RJP, Accession No. MCC 1022]	9(3)	448
75.	Verticillium lecanii 1.15% WP	Pancha Ganga Bio Tech. Pvt. Ltd	[Strain AS-MEGH-VL, Accession No. MCC 1028]	9(3)	448
76.	Bacillus subtilis 1.5% AS	Gujrat Pesticides Company	(Strain code: KTSB- 1015, Accession No. MTCC-5786)	9(3)	449
77.	Beauveria Bassiana 1.15% WP	Generous Technologies Pvt Ltd	(Strain code: BB- ICAR-RJP, Accession No. MCC-1022)	9(3)	449
78.	BeauveriaBassiana 1.15% WP	VISWA MITHRA BIO AGRO (P) LTD.,	(Strain code: BB- ICAR-RJP, Accession No. MCC-1022)	9(3)	449
79.	Metarhizium anisopliae-1% WP	Curative Microbes PVT. LTD.	(Strain code: IPL/KC/44, Accession No. ITCC-6895)	9(3)	449
80.	Metarhizium anisopliae-1% WP	SHIV PARAMOUNT ORGANICS & FERTILIZERS PVT. LTD.	(Strain code: IPL/KC/44, Accession No. ITCC-6895)	9(3)	449
81.	Metarhizium anisopliae-1% WP	Shree Pesticides PVT. LTD.	(Strain code: IPL/KC/44, Accession No. ITCC-6895)	9(3)	449
82.	Pseudomonas flouescens 1 % WP	Akash Laboratories	(Strain code: IIHR-PF- 2, Accession No. ITCC- B0034)	9(3)	449
83.	Pseudomonas flouescens 1 % WP	Biofarms	(Strain code: IIHR-PF- 2, Accession No. ITCC- B0034)	9(3)	449
84.	Pseudomonas flouescens 1 % WP	GB Agro Fertilizers Limited	(Strain code: IIHR-PF- 2, Accession No. ITCC- B0034)	9(3)	449
85.	Pseudomonas flouescens 1 % WP	JU AGRI SCIENCES PRIVATE LIMITED	(Strain code: IIHR-PF- 2, Accession No. ITCC- B0034)	9(3)	449
86.	Pseudomonas flouescens 1 % WP	Rohini Bio-Agents	(Strain code: IIHR-PF- 2, Accession No. ITCC- B0034)	9(3)	449
87.	Pseudomonas flouescens 1 % WP	Viswa Muithra Bio Agro PRIVATE LIMITED	(Strain code: IIHR-PF- 2, Accession No. ITCC- B0034)	9(3)	449

88.	Trichoderma harzianum-1% WP	Bandhutva Farmer Producer Company	(Strain code: IIHR-TH-2, Accession No. ITCC-6888)	9(3)	449
89.	Trichoderma harzianum-1% WP	JU AGRI SCIENCES PRIVATE LIMITED	(Strain code: IIHR-TH-2, Accession No. ITCC-6888)	9(3)	449
90.	Verticillium lecanii-1.15% WP	Generous Technologies Pvt Ltd	(Strain code: AS-MEGH-VL, Accession No. MTCC-1028)	9(3)	449
91.	Trichoderma viride 1.5% WP	JU AGRI SCIENCES PRIVATE LIMITED	(Strain code IIHRTV-5 Accession No. ITCCNo.6889)	9(3)	449
92.	Trichoderma viride 1.5% WP	Kangra Organics	(Strain code IIHRTV-5 Accession No. ITCCNo.6889)	9(3)	449
93.	Trichoderma viride 1.5% WP	Dr PDKV Akola	(Strain code IIHRTV-5 Accession No. ITCCNo.6889)	9(3)	449
94.	Trichoderma viride 1.5% LF	Synergy CropScience Private Limited	(Strain code IIHR-TV-1 Accession No. MTCC No. 5170)	9(3)	449
95.	Verticillium Chlamydosporium-1.0 %WP	JU AGRI SCIENCES PRIVATE LIMITED	(Strain code: IIHR-VC-3, Accession No. ITCC-6898)	9(3)	449
96.	Verticillium lecanii-1.15% WP	Gujarat Pesticide Company	(Strain code: AS-MEGH-VL, Accession No. MTCC-1028)	9(3)	449
97.	Verticillium lecanii-1.15% WP	Viswa Mithra Bio Agro Private Limited	(Strain code: AS-MEGH-VL, Accession No. MTCC-1028)	9(3)	449
98.	Pseudomonas fluorescens 1 % WP	Khandelwal Biofertilizers	(Strain code: IIHR-PF-2, Accession No. ITCC-B0034)	9(3)	449
99.	Pseudomonas fluorescens 1 % WP	Sri Bioaesthetics Private Limited	(Strain code: IIHR-PF-2, Accession No. ITCC-B0034)	9(3)	449
100.	Verticillium lecanii-1.15% WP	IPL Biologicals Ltd	(Strain code: AS-MEGH-VL, Accession No. MTCC-1028)	9(3)	449
101.	Bacillus thuringiensis kurstaki	Synergy Crop Science Pvt. Ltd.	(Strain code: DOR-Bt-1, Accession No. NAIMCC-B-01118)	9(3)	450

102.	Verticillium lecanii-1.15% WP	KANGRA ORGANICS	(Strain code: AS-MEGH-VL, Accession No. MTCC-1028)	9(3)	450
103.	Verticillium lecanii-1.15% WP	Green Vision Technical Services	(Strain code: AS-MEGH-VL, Accession No. MTCC-1028)	9(3)	450
104.	Verticillium lecanii-1.15% WP	Anand Agro Care	(Strain code: AS-MEGH-VL, Accession No. MTCC-1028)	9(3)	450
105.	Trichoderma Viride 1.0 % WP	Green Max Agrotech	(Strain code IIHR-TV-1 Accession No. MTCC No. 6914)	9(3)	450
106.	<i>Pseudomonas fluorescens 1.0% WP</i>	Durva Biotech	[Strain IIHR PF-2, Accession No. ITCC B0034]	9(3)	450
107.	Pseudomonas fluorescens 1% WP	Generous Technologies Pvt Ltd	[Strain IIHR PF-2, Accession No. ITCC B0034]	9(3)	450
108.	<i>Metarhizium anisopliae 1.0% WP</i>	Interglobe Agrochemicals	[Strain IPL/KC/44, Accession No. ITCC 6895]	9(3)	450
109.	Metarhizium anisopliae 1.0% WP	VELAMANI CORP	[Strain IPL/KC/44, Accession No. ITCC 6895]	9(3)	450
110.	Metarhizium anisopliae-1% WP	ECO BUGS INDIA PRIVATE LIMITED	(Strain code: IPL/KC/44, Accession No. ITCC-6895)	9(3)	450
111.	Metarhizium anisopliae-1% WP	Anand Agro Care	(Strain code: IPL/KC/44, Accession No. ITCC-6895)	9(3)	450
112.	Trichoderma harzianum-1% WP	Generous Technologies Pvt Ltd	(Strain code: IIHR-TH-2, Accession No. ITCC-6888)	9(3)	450
113.	Trichoderma viride-1.5% WP	Gujrat Pesticides Company	(Strain code IIHRTV-5 Accession No. ITCCNo.6889)	9(3)	450
114.	Trichoderma Viride 1.5 % WP	PonalabBiogrowth Pvt. Ltd.	(Strain code: BB-ICAR-RJP, Accession No. MCC-1022)	9(3)	450
115.	ECO BUGS INDIA PRIVATE LIMITED	Eco Bugs India Pvt. Ltd.,	(Strain code: BB-ICAR-RJP, Accession No. MCC-1022)	9(3)	450
116.	ECO BUGS INDIA PRIVATE LIMITED	PonalabBiogrowth Pvt. Ltd.	(Strain code: BB-ICAR-RJP, Accession No. MCC-1022)	9(3)	450
117.	Metarhizium	ORGANIC	(Strain code:	9(3)	450

	anisopliae-1%WP	EARTH ENERGY PRIVATE LIMITED	IPL/KC/44, Accession No. ITCC-6895)		
118.	Pseudomonas Fluorescens 1.0% WP	Advance CropCare India Private Limited	[Strain IIHR PF-2, Accession No. ITCC B0034]	9(3)	450
119.	Pseudomonas Fluorescens 1.0% WP	Allwin Industries	[Strain IIHR PF-2, Accession No. ITCC B0034]	9(3)	450
120.	Pseudomonas Fluorescens 1.0% WP	Pestimade Gujarat	[Strain IIHR PF-2, Accession No. ITCC B0034]	9(3)	450

Annexure-5**List of New/ Alternate packing for approved pesticides**

S. No	Product Name	Company Name	Endorsement	RC
1.	Transfluthrin 1% FU	M/s Godrej Consumer Product Ltd.	Endorsement of alternate packing for a booklet containing 7 paper leaves are placed in a pouch and 480 such pouches will be packed in CFB boxes and closed with BOPP tape. Specification of CFB box shall be in compliance to IS 2771 (Part 1)- 1990.	445
2.	Trichoderma harzianum 2.0% AS	M/s IPL Biologicals Ltd	Endorsement of alternate packing in 2liter and 5liter capacity in HDPE bottle as a primary packing, which shall be further packed in CFB box as a transport packing of capacity 12 & 10liters, respectively	445
3.	Halauxifen methyl technical 93% w/w min	M/s Dow Agro Science India Pvt. Ltd.,	Endorsement of an alternate bulk pack of 226 Kg in Flexible intermediate bulk containers (FIBC)	445
4.	Dimethomorph 50% WP	M/s Rallis India Ltd.	Endorsement of alternate packing for 100 g & 200 g in Tri-laminated pouches as a primary packing and 5-ply CFB box as transport packing.	446
5.	Diafenthiuron 50% WP	M/s Rallis India Ltd.	Endorsement of alternate packing of 100 g, 250 g, 500 g & 1 kg as in Tri-laminated pouches.	446
6.	Cymoxanil 8% + Mancozeb 64% WP	M/s Jivagro Ltd.	Endorsement of alternate packing of 300gm in lieu of 250gm and 600gm in lieu of 500gm primary packing, which shall be further packed in 5-ply CFB box as a transport packing.	446
7.	Acetamiprid 20% SP	M/s Jivagro Ltd.	Endorsement of removal of mono carton (secondary packing) of capacities 20gm, 50gm, 100gm, 250gm, and 500gm	446
8.	Imazamox 35% + Imazeapyr 35% WG	M/s Parijat Industries Pvt Ltd.,	Endorsement of alternate packing for the use of surfactant in HDPE container of capacity 150ml, 300ml, 750 ml 1.5 liter and 3.75 liter with proportionate quantity respective with approved packing of 20gm, 40gm, 100gm, 200gm and 500gm, followed by secondary packing of inner carton and CFB box as a transport packing.	446
9.	Benzpyrimoxa m 10% SC	M/s Nichino India Pvt. Ltd.	Endorsement of alternate packing in HDPE bottle of capacities 200ml, 2000ml and 4000ml as a primary packing	446

10.	Pyriproxyfen 20% WG	M/s Rallis India Ltd.	Endorsement of removal of secondary packing of mono carton for 100 g & 200 g pack sizes.	446
11.	Captan 70% + Hexaconazole 5% WP	M/s Rallis India Ltd.	Endorsement of removal of secondary packing of card board carton for capacity 100 g, 250 g, 500 g & 1 kg pack sizes.	446
12.	Clothianidin 3.5% + Pyriproxyfen 8% SE	M/s Sumitomo Chemical India Ltd.	Endorsement of alternate packing in HDPE co-ex bottle of capacity 50ml, 100ml, 250ml, 500ml, 1000ml as a primary packing and 5-ply CFB box as transport packing conforming to IS:2771 (I):1990.	446
13.	Chlorantraniliprole 35% WG	M/s FMC India Pvt. Ltd.	Endorsement additional transport packing for 34gm pack size in e net content of 3.4kg	446
14.	Pyroxasulfone 85% WG	M/s PI Industries Ltd.	Endorsements of alternate packing in Trilaminated pouches (12 μ PET + 9 μ Aluminium + 100 μ LDPE) of capacities 60gm, 120gm, 300gm, and 600gm as a primary packing	447
15.	Trichoderma viride 1.5% LF	M/s T Sanes and Company Ltd.	Endorsement of alternate packing in PET bottles of capacities 100ml, 250ml, 500ml, 1000ml, and 5000ml as a primary packing conforming to IS:13123:2000, which shall be further packed in LDPE pouch of minimum thickness 0.062mm as a secondary packing and 5-ply CFB box shall be the transport packing conforming to the IS:2771(I):1990 as a transport packing.	447
16.	Glyphosate technical 95% w/w min	M/s Tropical Agrosystem India Pvt. Ltd	Endorsement for alternate packing in woven bag of capacity 25 kg for import of Glyphosate Technical 95% w/w minimum.	447
17.	Prallethrin 0.04% Mosquito Coil (Min. 6 hrs.)	M/s Jyothy Laboratories Limited	Endorsement of alternate packing in 7 Double coil/60 secondary cartons as per shipper in place of 5 Double coil/60 secondary cartons as per shipper	447
18.	Prallethrin 0.04% Mosquito Coil (Min 11 hrs)	M/s Jyothy Laboratories Limited	Endorsement for alternate packing in three different options. Option 1: 5 double coil/ 60 secondary cartons per shipper pack. Option 2: 7 double coil/ 60 secondary cartons per shipper pack.	447
19.	Deltamethrin Technical 98% w/w min	M/s Bayer CropScience Pvt. Ltd	Endorsement of alternate packing of 25 Kg fiber board drum	447
20.	Thiophenate	M/s Biostdt India	Endorsement of alternate packing in PP woven bags	447

	methyl technical 94% w/w min	Ltd.	with inner LDPE liner of capacity 800 kg.	
21.	Captan 50% WP	M/s Arysta Life Science India Ltd.	Endorsement of alternate packing of 100 g, 500 g and 1 kg tri-laminated pouch as a primary packing, which shall be further packed in 5-ply CFB box as a transport packing.	447
22.	Emamectin benzoate 5% SG	M/s Agro Life Science Corporation	Endorsement of additional packing in HDPE bottles of capacity 250gm, 500gm, 1000gm as a primary packing, which shall be again repacked in inner monocarton as a secondary packing and 5-Ply CFB box shall be the transport packing.	447
23.	Diafenthiuron 30% + Pyriproxyfen 8% SE	M/s Parijat Industries (India) Pvt. Ltd.	Endorsement of additional packing in HDPE container, mono carton as secondary packing and CFB box as a transport packing.	448
24.	Profenofos 40% + Cypermethrin 4% EC	M/s P I Industries Ltd.	Endorsement for alternate Packaging of Profenofos 40% + Cypermethrin 4% EC shall be as per IS: 8190 (Part II) 1988. Requirements of packaging of pesticides (Part II) liquid pesticides (Second revision) with amendment no 5. Proposed packaging systems for packaging of Profenofos 40% + Cypermethrin 4% EC shall consist of Primary, Secondary and Transport packaging.	449
25.	Transfluthrin 1.6% LV	M/s Zobebe India Pvt. Ltd	Endorsement for new/alternate packing packed in PET bottle of round shape, 43.8±2mm, diameter, total height 60.7±2mm and 52±4ml overflow volume. The wick is arranged with the help of plug of thermo-plastic. Secondary packing: primary pack shall be placed along with heating device in a duplex board carton with dimension not more than 46x46x89 mm. Transport packing: 120 numbers of secondary pack will be further packed in 5-ply CFB box as per IS2771- 1990 up to 9kg capacity. The inner dimension of the CFB box shall be not more than 487x292x210 mm.	449
26.	Prallethrin 0.14% Mosquito Coil	M/s Jyothy Laboratories Ltd,	Endorsement for an endorsement for alternate packaging in the registration certificate of Prallethrin 0.04% Mosquito Coil (Min.11hr).	450

	(min. 11 hrs)			
27.	Fipronil 0.05% Gel	M/s Godrej Consumers Products Ltd	Endorsement alternate packing of 20 g capacity placed in a mono-carton made of paper board. 30 such cartons shall be placed in CFB with specification as per IS: 2771(Pt-1)1990.	450
28.	Metofluthrin 0.32% LV	M/s Godrej Consumer Products Ltd	<p>Endorsement of alternate packing of the following:</p> <p>Option 1:Pack of single refills (45 ml) as primary pack shall be packed in secondary carton. 120 such units of secondary pack cartons will be packed in corrugated box of specification IS 2771 (Part 1) – 1990.</p> <p>Option 2:Pack of single refills (45 ml) as primary pack shall be packed in secondary carton. 240 such units of secondary pack cartons will be packed in corrugated box of specification IS 2771 (Part 1) – 1990.</p> <p>Option 3:Pack of two refills (45 ml) as primary pack shall be packed in secondary carton. 120 such units of secondary pack cartons will be packed in corrugated box of specification IS 2771 (Part 1) – 1990.</p> <p>Option 4:Pack of three refills (45 ml) as primary pack shall be packed in secondary carton. 80 such units of secondary pack cartons will be packed in corrugated box of specification IS 2771 (Part 1) – 1990.</p> <p>Option 5:Pack of four refills (45 ml) as primary pack shall be packed in secondary carton. 60 such units of secondary pack cartons will be packed in corrugated box of specification IS 2771 (Part 1) – 1990.</p> <p>Option 6:Pack of four refills (45 ml) as primary pack shall be packed in secondary carton. 40 such units of secondary pack cartons will be packed in corrugated box of specification IS 2771 (Part 1) – 1990.</p>	450
29.	Broflanilide 300 g/l SC	M/s BASF India Ltd	Endorsement for additional for Inner carton of 3-ply box (Tertiary packaging) which will have 30 units of Secondary pack for pack sizes 8.5ml & 17 ml, 32	450

			units for 25 ml and 24 units of 34 ml; and again 2 units of 3-ply box will be further packed in 5-ply CFB box as Transport packaging.	
30.	Indoxacarb technical 67.00% w/w min	M/s Gharda Chemicals Ltd	Endorsement of primary packing in 50 kg LDPE conforming to IS 2508:2016(Reaffirmed 2022) and the primary pack will further packed in HPDE conforming to IS 8069:1989(reaffirmed 2018) and IS 8190 (Part-I):1988 (reaffirmed 2004) and its amendments or revision thereof.	450
31.	Flupyrimin 10% SC	M/s UPL Ltd.	Endorsement of primary packing in 400 ml capacity of CO-EX bottle in the registration certificate of Flupyrimin 10 % SC in the Registration Certificate No: CIR-15288/2021(434)-Flupyrimin (SC)-2)	450

List of Additional packing for approved pesticides

S. No	Product Name	Company Name	Endorsement	RC
1.	Hydrogen cyanamide 49% Aqueous solution	M/s PNP & Associates (P) Ltd	Endorsement of additional import bulk packaging of Hydrogen Cyanamide 49% Aqueous solution tight head HDPE drum of capacity 200litre	445
2.	Sodium acifluorfen 16.5% + Clodinafop propargyl 8% EC	M/s UPL Ltd.	Endorsement of primary packing in 800 ml, 1.2 liter, & 3.6 liter capacity of Co- extruded HDPE bottles as primary packing and 5-ply CFB box as transport packing conforming to IS:2771(I):1990.	445
3.	Pendimethalin technical 90% w/w min	M/s Rallis India Ltd	Endorsement of additional packaging of capacity 35kg & 50kg in inner LDPE liner pre-stitched at bottom with outer multi-walled paper bag laminated from inside with HDPE Woven fabric.	445
4.	Cyantraniliprole 16.9% + Lufenuron 16.9% SC	M/s Syngenta India Ltd	Endorsement of additional transport packing of capacity 200litre in DHPE drum and HDPE poly lined MS drum	445
5.	Cyantraniliprole 7.3% + Diafeniuron 36.4% SC	M/s Syngenta India	Endorsement of additional transport packing of capacity 200litre in DHPE drum and HDPE poly lined MS drum	445
6.	Bifenthrin 8% + clothianidin 10% SC	M/s FMC India Ltd	Endorsement of changes in specification of HDPE bottle. e finished product packed in 100 ml, 250 ml, 500 ml, 1000 ml HDPE bottle as primary pack. HDPE bottle of 100 ml further packed in inner 5-ply (CFB) box as secondary packs. Primary and secondary packs further packed in a 5-ply Corrugated Fiber Board Box as transport pack.	445
7.	Gibberellic acid 0.45% SL	M/s Krishi Rasayan Export Pvt. Ltd	Endorsement of alternate transport packing for 500 ml & 1000 ml HDPE container which shall be packed in printed mono carton individually and which is further packed in 5-ply CFB box of 12 L capacity.	445
8.	Isoprothiolane 28% + Fipronil 5% EC	M/s Parijat Industries (India) Pvt. Ltd	Endorsement of additional packing in Co-extruded HDPE bottle of capacity 200 ml & 400 ml as primary packing.	445
9.	Fluxametamide 10% EC	M/s Godrej Agrovet Ltd. Ltd	Endorsement of Additional packs of 16ml in co-extruded HDPE as a primary packing, which shall be further packed in CFB box of capacity 1.6liter as a transport pack.	445
10.	Pyridaben 20% WP	M/s Godrej	Endorsement of Additional packs of 5.0 kg	445

		Agrovet Ltd	trilaminated pouch as a primary packing, which shall be further packed in CFB box of capacity 10.0 kg as a transport pack.	
11.	Clethodim 25% (240 g/l) EC	M/s UPL Ltd	Endorsement of additional import packing of 200litre capacity in Mild Steel lacquer drum.	445
12.	Bifenthrin 10% W	M/s UPL Ltd	Endorsement of additional packing of 62.5gm capacity in LDP pouch as a primary packing, which shall be further packed in inner carton of net capacity 2kg as a secondary packing and 5-ply CFB box of 4kg capacity as transport packing.	445
13.	Thiram Technical 98% min	M/s Meenakshi Agro Chemicals	Endorsement of additional packaging of 20kg laminated paper bags or polycoated paper sack.	445
14.	Imazethapyr 10% SL	M/s ADAMA India Pvt. Ltd	Endorsement of additional packing in HDPE bottle with a capacity of 400 ml confirming to IS: 9754 - 1981. HDPE bottle of 400 ml pack shall be accompanied by HDPE bottle of 240 ml pack with spreader (wetter) and Bi-laminated pouch of capacity 732 grams containing Ammonium sulphate shall be further packed in CBB/E-flute carton/mono carton as a secondary pack confirming to IS: 16985:2018. e secondary pack again repacked in 5 ply CFB boxes as a transport packing confirming to IS: 2771 (part 1) 1990.	445
15.	Sulphur 80% WDG	M/s Rallis India Ltd	Endorsement of additional packing of capacity 1kg in Tri-laminated pouch as a primary and 7-ply CFB box as a transport packing	445
16.	Benalaxyl M 4% + Mancozeb 65% WP	M/s Jivagro Ltd	Endorsement for removal of mono carton (secondary packing) for 100gm, 275gm, 550gm and 1100gm	446
17.	Fenvelerate 0.4% DP	M/s Jivagro Ltd	Endorsement for removal of mono carton (secondary packing) from 1.0kg pack size primary packing.	446
18.	Spinetoram Technical 81.2% w/w Min	M/s Dow Agroscience India Pvt. Ltd	Endorsement of additional bulk packing in FIBC liner bag with Low Density Polyethylene (PE) liner for carrying 225 kgs net weight for import.	447
19.	Brodifacoum 0.005% BB	M/s Syngenta India Ltd.	Endorsement of additional primary packing of 100gm and 300gm in approved 20gm block. And Endorsement of additional primary packing of 100gm and 250gm for 5gm block.	447
20.	Broflanilide 30% SC	M/s SolinosAgro	Endorsement of alternate bulk packing in steel drum with inside PE liner.	447

		Sciences Pvt. Ltd		
21.	Pretilachlor 37% EW	M/s BR Agrotech Ltd.	Endorsement of additional packing in HDPE bottle of capacity 1200ml as a primary packing, which shall be further packed in CFB boxes of capacity 12liter as a transport packing.	447
22.	Transflutrin 1.6% LF	M/s Jyothy Laboratories Ltd.	Endorsement of additional packing of 1 refill and 1 heating device in secondary carton and 60 no of these secondary packing shall be further packed in CFB box as transport packing.	447
23.	Chlorantraniliprole 18.5% SC	M/s NATCO Pharma Ltd	Endorsement of additional transport packing of 2.4lit, 3.6lit and 4.8lit capacity.	447
24.	Paclobutrazole 23% SC	M/s Syngenta India Ltd.	Endorsement of additional packing in PET container of capacity 250ml.	447
25.	Azoxystrobin 10% + Fipronil 5%	M/s Gharda Chemicals Ltd.	Endorsement of additional packing in HDPE container, mono carton as secondary packing and CFB box as a transport packing.	448
26.	Emamectin benzoate 5% SG	M/s Krishi Rasayan Exports Pvt. Ltd.	Endorsement of additional packing in HDPE Bottle of 250gm, 500gm, 1000gm pack size as primary packing and HDPE bottle of 250 gm, 500 gm, and 1000 gm again repacked in inner monocarton as secondary pack.	449
27.	Tetraconazole 3.8% w/w (4% w/v) EW	M/s Jivagro Ltd.	Endorsement of additional packing in HDPE Container of capacity 216.5 liters as primary packaging.	449
28.	Transfluthrin 1.6% LV	M/s Zobebe India Pvt. Ltd	Endorsement for an additional packing of 2 refills and 4 refills bottles packs as a secondary packing and CFB boxes containing 60 and 30 number of secondary packs respectively as a transport packing.	450
29.	Transfluthrin 1.6% LV	M/s Zobebe India Pvt. Ltd	Endorsement of additional packing of 3 refills and 6 refills bottles packs as a secondary packing and CFB boxes containing 40 and 20 number of secondary packs respectively as a transport packing.	450
30.	Mesotrion 2.27% + Atrazine 22.7% SC	M/s Parijat Industries (India) Pvt. Ltd	Endorsement for additional packaging in HDPE bottle of capacity 350 ml pack as primary packing and then packed in 5-ply CFB as 7 liter of capacity transport packing.	450
31.	Sulphur 80% WDG	M/s UPL Ltd.	Endorsement of additional packing in bi-laminated pouch of 5 Kg capacity and 20 kg woven bag as transport pack.	450
32.	Tetranilirpole 40.34% FS	M/s Bayer CropScience Ltd.	Endorsement of additional pack of 45 ml and 75 ml capacity. The material shall be packed in virgin HDPE (High Density Polyethylene)	450

			containers conforming to IS 9754: 1981 & IS 12512 : 1989. These shall be further packed in corrugated fiber board boxes conforming to IS 271 (Part-I) : 1990	
33.	Flonicamid 50% WG	M/s UPL Ltd.	Packaging endorsement for additional packing of 10g, 20g, 40g, 80g, 160g, 320g, & 640 capacity in tri-laminated pouch	450
34.	Cyclanilid technical 97% w/w min	M/s Bayer CropScience Ltd.	Endorsement of additional packing of flexible intermediate bulk container (FIBC) of capacity 400 kg made of coated polypropylene woven fabric having inside polyethylene Minutes of 450 RC meeting held on 31.08.2023 31 liner	450
35.	Oxathiapiprolin technical 95% w/w min.	M/s Corteva Agriscience India Ltd	Endorsement of the additional packaging of FIBC coated with Type-C woven Polypropylene placed in Corrugated Fiber box for packing 350 Kg and Polyethylene Liner Bags further placed in fiber board drum for packing 40 kg of Oxathiapiprolin Technical 95% w/w min.	450
36.	Chlorfenapyr technical 94% w/w min.	M/s BASF India Ltd.	Endorsement of the additional packing of Flexible Intermediate Bulk Container (FIBC) of capacity 400 kg, made of coated polypropylene woven fabric having inside polyethylene liner, type C in the registration certificate of Chlorfenapyr Technical 94 % w/w min.	450
37.	Kresoxim methyl 44.3% w/w SC	M/s Rallis India Ltd	Endorsement of additional pack of 200 ml in HDPE containers. The Material shall be packed in Virgin HDPE (High Density Polyethylene) containers Conforming to IS 9754:1981 & IS : 8190 (Part-II)-1988.	450
38.	Imazethapyr technical 98% w/w min	M/s BASF India Ltd.	Endorsement for the additional import packing of 40 kg in fiber board drum.	450
39.	Clomazone technical 90% w/w min	M/s FMC India Ltd	Packaging endorsement for additional packing in steel drum	450
40.	Cyclaniliprole 9.3% DC	M/s ISK Biosciences India Pvt. Ltd.	Endorsement of additional packs of 40 ml, 80 ml, 160 ml, 320 ml and 400 ml of in existing material of construction (HDPE)	450
41.	Thiophanate methyl 38% + Kasugamycin 2.21% SC	M/s DhanukaAgritech Ltd	Endorsement of additional transport packing of 100ml, 200ml, 400ml, 500ml & 1 liters in corrugated Fiber Board (CFB) boxes for Thiophanate Methyl 38% + Kasugamycin 2.21% SC.	450
42.	Amisulbrom 17.7% SC	M/s DhanukaAgritech Ltd.	Endorsement of additional packing in HDPE container of capacity 50 ml in HDPE bottles.	450

43.	Metsulfuron Methyl Technical 93% w/w min	M/s FMC India Pvt. Ltd.	Endorsement for additional packaging of Metsulfuron Methyl Technical 93% w/w min shall be Fiber Board drum with steel cover and steel locking ring with capacity for 25kg and 50kg. The above Primary packaging shall act as a Transport packaging. There shall be no separate secondary pack.	450
44.	Kresoxim Methyl Technical 94.00% w/w min.	M/s Rallis India Ltd.	Endorsement for the additional packing of 25 kg & 50 kg in HDPE woven sacks with inner LDPE liner.	450
45.	Cyclaniliprole 9.3% DC (Cyclaniliprole 10.0% DC w/v)	M/s ISK Biosciences India Pvt. Ltd.	Endorsement of additional bulk transport packing of 210 liter in HM-HDPE narrow mouth drum conforming the IS: 6312:1999 with closer fitted with leak proof plugs and sealing rings for Cyclaniliprole 9.3% w/w DC (Cyclaniliprole 10.0% DC w/v).	450
46.	Metiram 70% WG	M/s BASF India Ltd	Endorsement for additional pack size of 500 kg with already approved packaging material i.e. FIBC container made up of Polypropylene (pp) woven fabric with polyethylene liner.	450

Annexure-6**Enhancement of shelf life cases approved by the Registration Committee.**

Sl. No	Company Name	Product	Proposed Shelf Life Enhancement	RC No.
1	M/s KR LifeSciences Private Ltd	Pendimethalin 38.7% CS	One year to two years	445
2	M/s KR LifeSciences Private Ltd	Acephate 50% + Imidacloprid 1.8% SP	One year to two years	445
3	M/s KR LifeSciences Private Ltd	Carbendazim 12% + Mancozeb 63% WP	One year to two years	445
4	M/s KR LifeSciences Private Ltd	Neem Seed Kernel Based EC containing Azadirachtin 1% (10000 ppm) min	One year to two years	445
5	M/s KR LifeSciences Private Ltd	Metribuzin 70% WP	One year to two years	445
6	M/s KR LifeSciences Private Ltd	Metalaxyl 8% + Mancozeb 64% WP	One year to two years	445
7	M/s KR LifeSciences Private Ltd	Fipronil 4% + Thiamethoxam 4% SC	One and half year to two years	445
8	M/s KR LifeSciences Private Ltd	Pyriproxifen 10% + Bifenthrin 10% EC	One year to two years	445
9	M/s KR LifeSciences Private Ltd	Profenophos 50% EC	One year to two years	445
10	M/s KR LifeSciences Private Ltd	Profenophos 40% +Cypermethrin 4% EC	One year to two years	445
11	M/s Insecticides India Ltd	Diuron 80% WP	One year to two years	445
12	M/s Fengel Crop Sciences	Profenophos 50% WP	One and half years to two years	445
13	M/s Fengel Crop Sciences	Monocrotophos 36% SL	One year to one and half years	445
14	M/s Fengel Crop Sciences	Profenophos 40% + Cypermethrin 4% EC	One and half years to two years	445
15	Agastya Agro Limited	Monocrotophos 36% SL	One Year to One and Half Year	446
16	Agastya Agro Limited	Metalaxyl 8% + Mancozeb 64% WP	One Year to Two Years	446
17	Agastya Agro Limited	Acephate 50% + Imidacloprid 1.8% SP	One Year to Two Years	446
18	Crop Life Science Limited	Fipronil 4% + Thiamethoxam 4% SC	One Year to Two Years	446
19	Advance Agrolife	Pyriproxifen 10%	One Year to Two	446

	Private Ltd	+Bifenthrin 10% EC	Years	
20	Maharashtra Insecticides Ltd	Neem Kernel Based EC (Containing Azadirachtin 0.3% w/w min)	One Year to Two Years	446
21	Maharashtra Insecticides Ltd	Sulphur 80% WP	One Year to Two Years	446
22	Maharashtra Insecticides Ltd	Monocrotophos 36% SL	One Year to Two Years	446
23	Maharashtra Insecticides Ltd	Malathion 50% EC	One Year to Two Years	446
24	Maharashtra Insecticides Ltd	Neem Seed Kernel Based EC (Containing Azadirachtin 1%)	One Year to Two Years	446
25	Maharashtra Insecticides Ltd	Pendimethalin 38.7% CS	One Year to Two Years	446
26	Maharashtra Insecticides Ltd	Profenofos 50% EC	One and half years to two years	446
27	Syngenta India Pvt Ltd	Profenofos 40% +Cypermethrin 4% EC	One and half years to two years	446
28	Maharashtra Insecticides Ltd	Profenofos 40% + Cypermethrin 4% EC	One and half years to two years	446
29	Maharashtra Insecticides Ltd	Emamectin Benzoate 50% SG	One Year to Two Years	446
30	Shreeji Pesticides Pvt. Ltd.	Acephate 50% + Imidacloprid 1.8% SP	One Year to Two Years	446
31	Shreeji Pesticides Pvt. Ltd.	Monocrotophos 36% SL	One and half years to two years	446
32	Coromandel International Ltd	Profenofos 40% + Cypermethrin 4% EC	One and half years to two years	446
33	JU Agri Sciences Pvt. Ltd.	Fipronil 4% w/w + Thiamethoxam 4% w/w SC	One and half years to two years	446
34	JU Agri Sciences Pvt. Ltd.	Pyriproxyfen 10% + Bifenthrin 10% EC	One and half years to two years	446
35	IndogulfCropsiences Ltd	Sulfosulfuron Tech 98.5% min	One years to two years	446
36	Yawalkar Pesticides Pvt. Ltd.	Dimethoate 30% EC	One year to one and half years	446
37	Agastya Agro Limited	Metalaxyl 35% WS	One Year to Two Years	446
38	Best Crop Science LLP	Pyraclostrobin 20% WG	One Year to Two Years	446
39	Sandhya Organic Chemicals Pvt. Ltd	Emamectin Benzoate 5% SG	One and half years to two years	446

40	M/s Sandhya Organic Chemicals Pvt. Ltd.	Quinalphos 25% EC	One year to Two years	447
41	M/s Micon Laboratories (P) Ltd.	Neem Based EC Containg Azadirachtin-1% (10000 PPM) min.	One year to Two years	447
42	M/s Saga Biotech Pvt. Ltd.	Emamectin Benzoate 5% SG	One year to Two years	447
43	M/s Saga Biotech Pvt Ltd	Profenophos 40% + Cypermethrin 4% EC	one and half years to two years.	447
44	M/s Saga Biotech Pvt. Ltd.	Carbendazim 12% + Mancozeb 63% WP	One year to Two years	447
45	M/s Saga Biotech Pvt. Ltd.	Mancozeb 75% WP	One year to Two years	447
46	M/s Saga Biotech Pvt. Ltd.	Monocrotophos 36% SL	One year to One and half years	447
47	M/s Saga Biotech Pvt. Ltd.	Quinalphos 25% EC	One year to Two years	447
48	M/s Aristo Bio-Tech And Lifescience Limited	Quinalphos 25% EC	One year to Two years	447
49	M/s Monsoon Agrochemicals Private Limited	Carbendazim 50% WP	Two years to Five years	447
50	M/s Monsoon Agrochemicals Private Limited	Fipronil 0.3% GR	One year to Two years	447
51	M/s Monsoon Agrochemicals Private Limited	Metribuzin 70% WP	One year to Two years	447
52	M/s Monsoon Agrochemicals Private Limited	Carbendazim 12% + Mancozeb 63% WP	One year to Two years	447
53	M/s See Ciba Crop Sciences	Fipronil 5% SC	One year to Two years	447
54	M/s See Ciba Crop Sciences	Carbendazim 50% WP	Two years to Five years	447
55	M/s See Ciba Crop Sciences	Dimethoate 30% EC	One and Half year to two years	447
56	M/s Anu Products Ltd	Diafenthiuron 50% WP	One year to Two years	447
57	M/s Anu Products Ltd	Diuron 80% WP	One year to Two years	447
58	M/s Seedlings India Private Limited	Pendimethalin 38.7% CS	One year to Two years	447
59	M/s Seedlings India	Quinalphos 25% EC	One year to Two	447

	Private Limited		years	
60	M/s Seedlings India Private Limited	Acephate 50% + Imidacloprid 1.8% SP	One year to Two years	447
61	M/s Seedlings India Private Limited	Profenofos 40% + Cypermethrin 4% EC	One year to Two years	447
62	M/s Bhaskar Agrochemicals	Dimethoate 30% EC	One year to one and half years	447
63	M/s Bhaskar Agrochemicals	Malathion 50% EC	One year to Two years	447
64	M/s Shreeji Pesticides Pvt. Ltd.	Fipronil 0.3% GR	One year to Two years	447
65	M/s JU AGRISCIENCES PRIVATE LIMITED	Carbendazim 12% + Mancozeb 63% (WP)	One year to Two years	447
66	M/s JU AGRISCIENCES PRIVATE LIMITED	Fipronil 0.3% GR	One year to Two years	447
67	M/s Seedlings India Private Limited	Diuron 80% WP	One year to Two years	447
68	M/s Seedlings India Private Limited	EmamectinBemzoate 5% SG	One year to Two years	447
69	M/s Seedlings India Private Limited	Fipronil 4% w/w + Thiamethoxam 4% w/w SC	One and half years to Two years	447
70	M/s TricomAgro Pvt. Ltd.	Profenofos 50% EC	One and half years to Two years	447
71	M/s TricomAgro Pvt. Ltd.	Acephate 50% + Acetamiprid 1.8% SP	One year to Two years	447
72	M/s TricomAgro Pvt. Ltd.	Metalaxyl 8% + Mancozeb 64% WP	One year to Two years	447
73	M/s TricomAgro Pvt. Ltd.	Pendimethalin 38.7% CS	One year to Two years	447
74	M/s TricomAgro Pvt. Ltd.	Ethephone 39% SL	One year to Two years	447
75	M/s TricomAgro Pvt. Ltd.	Profenofos 40% + Cypermethrin 4% EC	One and half years to Two years	447
76	M/s TricomAgro Pvt. Ltd.	Neem Oil Based EC Containing Azadirachtin 0.03% EC (300 ppm)	One year to Two years	447
77	M/s TricomAgro Pvt. Ltd.	Malathion 50% EC	One year to one and half years	447
78	M/s TricomAgro Pvt. Ltd.	Dimethoate 30% EC	One year to one and half years	447
79	M/s See Ciba Crop Sciences	Mancozeb 75% WP	One year to two years	447

80	M/s See Ciba Crop Sciences	Quinalphos 25% EC	One year to two years	447
81	M/s See Ciba Crop Sciences	Neem Seed Kernel Based EC containing Azadirachtin 1% EC (10000 ppm) min	One year to two years	447
82	M/s See Ciba Crop Sciences	Pendimethalin 38.7% CS	One year to two years	447
83	M/s JU Agri Sciences & Chemicals Pvt. Ltd	Diuron 80% WP	One year to two years	447
84	M/s Jayalakshmi Fertilizers	Zineb 75% WP	One year to two years	447
85	M/s Jayalakshmi Fertilizers	Malathion 50% EC	One year to two years	447
86	M/s Crop Rise Agrochem Limited	Emamectin Benzoate 5% SG	One year to two years	447
87	M/s Jivagro Limited	Dimethoate 30% EC	One and half years to two years	447
88	M/s Crop Rise Agrochem Limited.	Profenofos 40% + Cypermethrin 4% EC	One and half Year to Two Years	447
89	M/s JU Agri Science India Pvt. Ltd	Diuron 80% WP	One Year to Two Years	447
90	M/s Agro pack	Emamectin benzoate 5% SG	One and half Year to Two Years	447
91	M/s Jivagro Limited	Phenthoate 50% EC	One year to two years	447

Annexure-7**List of import permit issued for multi-use/dual-use (Non-insecticidal purpose)**Multi-use insecticides (Boric Acid) 445th RC:

Sr. No.	Applicant M/s	The Decision of the Registration Committee
1.	M/s S.B Chemicals	Approved 25 MT Boric Acid For manufacturing of Fluoroboric Acid, and Lead/Copper/Tin/ Potassium Fluoborate.
2.	M/s Navin fluorine International Limited	Approved 300 MT Boric Acid
3.	M/s Shri Balaji Impex	Approved 60 MT Boric Acid

Multi-use insecticides (Other than Boric Acid) 445th RC:

Sr. No.	Applicant M/s	The Decision of the Registration Committee
1.	M/s Bayer Vapi Pvt. Ltd.	Approved 770 MT Sodium Cyanide for manufacturing of Cypermethrin, Alphamethrin, Deltamethrin, Cyfluthrin, Beta Cyfluthrin and Flumethrin.
2.	M/s Jaggo overseas	Approved 200 MT Potassium Cyanide for Trading Purpose.
3.	M/s Arihant overseas	Approved 200 MT Sodium Cyanide for manufacturing of Brass Salt, Cleaning Salt, Copper Salt, and Zinc Salt.
4.	M/s Meghmani Organic Limited	Approved 240MT Sodium Cyanide for manufacturing Lamba-Cyhalothrin and Cyfluthrin Technical.
5.	M/s Artek Saryin chemicals	Approved 100 MT Thiourea for manufacturing Electroplating chemicals and salts.
6.	M/s Lucky chemicals Industries	Approved 650 MT Yellow phosphorus for manufacturing Phosphorstrichloride, Phosphorus pentaoxide, and Phosphorus oxychloride.
7.	M/s Benzo chem. Industries ltd.	Approved 600 MT Sodium Cyanide For Manufacturing 2,5 Dimethyl Phenyl Acetyl Chloride 2,4 Dicholoro Phenyl Acetic Acid 2,4 Dichloro Phenyl Acetyl Chloride Ortho Methyl Phenyl Acetic Acid Ortho Methyl Benzyl cyanide Para chloro benzyl Cyanide Meta Chloro benzyl Cyanide Para chloro phenyl Acetic Acid 2,4,6 Trimethyl Phenyl Acetyl Chloride Ortho Chloro Phenyl Acetic Acid.
8.	M/s Sanjay chemicals (India) Pvt. Ltd	Approved 1000 MT Thiourea for Trading Purpose.

9.	M/s Asian Chemtech Pvt. Ltd	Approved 400 MT Sodium Cyanide for Trading Purpose.
10.	M/s Hindustan Zinc Limited	Approved 300 MT Sodium Cyanide For manufacturing Lead-Zinc Concentrate.
11.	M/s Intec Organics	Approved 1000 MT Yellow phosphorus For manufacturing Aluminum Phosphide.
12.	M/s Krishna Sovechem Ltd.	Approved 300 MT Yellow phosphorus for manufacturing Phosphorus oxychloride, phosphorus pentachloride and phosphorus trichloride.
13.	M/s Tagros chemicals India Pvt. Ltd	Approved 240 MT Ethylene Diclорide for manufacturing Cypermethrin.
14.	M/s Tagros chemicals India Pvt. Ltd	Approved 2750 MT Ethylene Diclорide for manufacturing Sulfentrazone technical.
15.	M/s Vital chemtech Limited	Approved 4600 MT Yellow phosphorus for manufacturing of Phosphorus Trichloride, Phosphorus Oxychloride, Phosphorus Pentoxide, Phosphorus Pentasulfide, Poly Phosphoric Acid, and Phosphoric Acid.
16.	M/s Cheminova India Limited	Approved 1000 MT Yellow phosphorus for manufacturing Diethyl Thio Phosphoryl Chloride.
17.	M/s Punjab Chemicals and Crop Protection Ltd.	Approved 700 MT Yellow phosphorus for manufacturing Phosphoric Acid, Phosphorus pentaoxide.
18.	M/s PI Industries Limited	Approved 43 MT 2-(2,4 Dichloro phenoxy) Propionic Acid for manufacturing Fenoxanil Technical.
19.	M/s PI Industries Limited	Approved 203 MT Thiourea for manufacturing Pyroxasulfone Technical.
20.	M/s Arochem Industries Pvt. Ltd.	Approved 15000 MT Mono nitro Bencene for manufacturing Resist Salt, Metanilic Acid and Aniline 2,5 Di-Sulphuric Acid.
21.	M/s NOCIL limited	Approved 2000 MT Carbon Disulphide for manufacturing rubber chemicals.
22.	M/s Alliance Chemical Industries	Approved 2400 MT Nitrobenzene For manufacturing of Metanilic Acid, Aniline 2,5 Disulphonic Acid.
23.	M/s S.B Chemicals	Approved 2000 MT Sodium Fluorosilicate for manufacturing Sodium Fluoride, Sodium Cryolite, and Sodium Silico Fluoride.
24.	M/s MB Sales Corporation	Approved 800 MT Copper Cyanide for Trading Purpose.
25.	M/s B. Pankaj Kumar & Co. Mumbai	Approved Thiourea 400 MT Thiourea for Trading Purpose.

Multi-use insecticides (Boric Acid) 446th RC:

Sr. No.	Applicant M/s	The Decision of the Registration Committee
1.	M/s Grauer & Weil (India) Ltd.,	Approved 150 MT Boric Acid Boric Acid for manufacturing of metal furnishing & Surface finishing products and lubricating and Greases.
2.	M/s Navin Fluorine International Limited	Approved 300 MT Boric Acid

Multi-use insecticides (Other than Boric Acid) 446th RC:

Sr. No.	Applicant M/s	The Decision of the Registration Committee
1.	M/s Hemani Industries Ltd.,	Approved 700 MT Ethylene Di Chloride for manufacturing of Meta Phenoxy Benzaldehyde.
2.	M/s Arch Pharma Labs Limited,	Approved 180 MT Yellow Phosphorus For manufacturing of Phosphorus Tri Chloride.
3.	M/s Metco Resources	Approved 7000 MT Nitro Benzene For NOCIL Ltd., For manufacturing of 4 Amino Di-phenyl amine.
4.	M/s Premier Synthochem Industries Pvt. Ltd.,	Approved 1000 MT Para Di-chloro Benzene For use in the manufacturing of Dyes Intermediates.
5.	M/s Teva API India Private Limited,	Approved 6 MT Sodium Cyanide For manufacturing of C 6.
6.	M/s Meghmani Organic Limited,	Approved 400 MT Sodium Cyanide For manufacturing of Cypermethrin Technical.
7.	M/s Coromandel International Limited,	Approved 895 MT Yellow Phosphorus For manufacturing of Phosphorus trichloride.
8.	M/s Anupam Rasayan India Limited,	Approved 500 MT 2-6-Dicholoro Benzonitrite For Manufacturing of 2,6-Difluoro Aniline.
9.	M/s GEM Aromatics Pvt. Ltd.,	Approved 150 MT Eucalyptol For Flavors and Fragrance.
10.	M/s GEM Aromatics Pvt. Ltd.,	Approved 150 MT Eucalyptus Oil 50-90% For Flavors and Fragrance.

Multi-use insecticides (Boric Acid) 447th RC:

Sr. No.	Applicant M/s	The Decision of the Registration Committee
1.	M/s Ajanta Pharma Limited	Approved 2 MT Boric Acid for manufacturing Eye Drops.

Multi-use insecticides (Other than Boric Acid) 447th RC:

Sr. No.	Applicant M/s	The Decision of the Registration Committee
1.	M/s Jaggo Overseas	Approved 1113 MT Sodium Cyanide for Trading Purpose.
2.	M/s Shreenivas Chemicals Pvt. Ltd	Approved 755 MT Sodium SilicoFlouride for Trading to M/s Borosil Limited for making Opal & Borosilicate glass crockery.
3.	M/s Hemani Intermediates Private Ltd.	Approved 60.90 MT Thiourea for manufacturing of 3,3 Dicholrobenzidine –2HCL.
4.	M/s Tagros Chemicals India Private Limited	Approved 1053 MT Acrylonitrile for manufacturing of CMAC (DV Acid Chloride).
5.	M/s Fengyuan India Pvt. Ltd.	Approved 1500 MT SociumFluosilicate(Sodium Hexafluorosilicate) for Trading Purpose.
6.	M/s D D Shah Fragrances Pvt. Ltd.	Approved 35 MT Eucalyptus Oil or Manufacturing of flavors, compound.
7.	M/s Munish Industrial Chemicals Pvt.Ltd.	Approved 1500 MT Sodium Cyanide for Trading Purpose.
8.	M/s Munish Industrial Chemicals Pvt.Ltd	Approved 48 MT Potassium Cyanide for Trading Purpose.
9.	M/s Naresh Brothers	Approved 60 MT Thiourea for Trading Purpose.
10.	M/s Ghardha Chemical Limited	Approved 300 MT Sodium Cyanide for manufacturing of Cypermethrin and Deltamethrin.
11.	M/s HonourLabLtd,	Approved 809 MT Sodium Cyanide for manufacturing of Amino Butyramide.
12.	M/s Sanjay Chemicals (India) Pvt. Ltd.	Approved 2000 MT Sodium Cyanide Trading Purpose.

Multi-use insecticides (Boric Acid) 448th RC:

Sr. No.	Applicant M/s	The Decision of the Registration Committee
1.	M/s Dorf Ketal Chemicals (I) Pvt. Ltd.	Approved Boric Acid 122.88 MT For manufacturing of PX-3872 (Fuel Additive) Borated ester of glycerol mono oleate.
2.	M/s Indian Additives Limited	Approved Boric Acid 25 MT For manufacturing of Lubricating Oil Additives.
3.	M/s Navin Fluorine International Limited.	Approved Boric Acid 2800 MT

Multi-use insecticides (Other than Boric Acid) 448th RC:

Sr. No.	Applicant M/s	The Decision of the Registration Committee
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1.	M/s Black Rose Industries Ltd	Approved Acrylonitrile 11870 MT for manufacturing of Acrylamide, Polyacrylamide, Liquids.
2.	M/s Tagros Chemicals (I) Pvt. Ltd. (Panoli Unit)	Approved Sodium cyanide 394 MT Used as raw material in manufacturing of Cypermethrin Tech.
3.	M/s Tagros Chemicals India Pvt. Ltd. (Ankleshwar Unit)	Approved Sodium Cyanide 336 MT For manufacturing of CMAC (D V Acid Chloride), Cypermethrin & Alphamethrin.
4.	M/s Tagros Chemicals India Pvt. Ltd. (Ankleshwar Unit)	Approved Acrylonitrile 1380 MT For manufacturing CMAC (D V Acid Chloride) & Cypermethrin.
5.	M/s D D Shah Fragrances Pvt. Ltd.	Approved Eucalyptol 2.5 MT for Manufacturing of preparation of flavours, compounds & essential oils.
6.	M/s Hikal Ltd.	Approved Amitrole (3-Amino-1,2,4- triazole) 150 MT For manufacturing of Initium (Ametoctradin).
7.	M/s M. B. Sales Corporation	Approved Potassium Cyanide 400 MT For trading Purpose

Multi-use insecticides (Other than Boric Acid) 449th RC:

Sr. No.	Applicant M/s	The Decision of the Registration Committee
1.	M/s P I Industries Limited	Approved 89 MT 2-(2,4-Dichloro Phenoxy) Propionic Acid for manufacturing of Fenoxanil Technical.
2.	M/s UPL Limited	Approved 6056.24 MT Yellow Phosphorus for manufacturing of Aluminum Phosphide, Zinc Phosphide & Red Phosphorus.
3.	M/s Shogun Lifesciences Pvt. Ltd.	Approved 67.5 MT Yellow Phosphorus for manufacturing Aluminium Phosphide, Zinc Phosphide.
4.	M/s Nishant Aromas Pvt. Ltd	Approved 40 MT Eucalyptol (1,8 Cineol) for manufacturing of Perfumery Compound and Fragrance Chemicals.
5.	M/s Grauer & Weil (I) Ltd.	Approved 26.87 MT Potassium Cyanide For manufacturing of Metal Furnishing.
6.	M/s Grauer & Weil (I) Ltd.	Approved 71.89 MT Copper Cyanide for manufacturing of Metal Furnishing.
7.	M/s Inventys Research Company Pvt. Ltd.	Approved 200 MT Sodium Cyanide for manufacturing of s-Methyl Phenyl Glycine Methyl Ester.
8.	M/s Indo Amines Ltd.	Approved 1000 MT Sodium Cyanide for manufacturing of Valeronitrile, Benzyl Cyanide, 4-Methoxy Phenyl Acetonitrile.

Multi-use insecticides (Boric Acid) 450th RC:

Sr. No.	Applicant M/s	The Decision of the Registration Committee
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1.	M/s S.B. Protect Chemicals Pvt. Ltd.	Approved 200 MT Boric Acid For manufacturing of Tetra Fluoro boric acid.
2.	M/s Hardcastle Petrofer Pvt. Ltd.	Approved Boric Acid 25 MT for manufacturing metal processing chemicals.

Multi-use insecticides (Other than Boric Acid) 450th RC:

Sr. No.	Applicant M/s	The Decision of the Registration Committee
1.	M/s ChemplastSanmar Ltd.	Approved 253 MT Sodiun Cyanide For manufacturing AE-Phenol (4-(2- Aminoethyl))-2- Methoxyphenol & TR-1600 (2-Amino2-Phenylbutyric Acid Sodium Salt.
2.	M/s Covalent Laboratories Pvt. Ltd	Approved 615 MT Thiourea for manufacturing of Cefixim Trihydrate.
3.	M/s Bharat Rasayan Ltd	Approved 420 MT Sodium Cyanide For Manufacturing of AlphaCypermethrinFenvalerate, Cypermethrin and Lambda cyhalothrin Technical.
4.	M/s Suril Pharma	Approved 54 MT Thiourea used for manufacturing of Mebendazole, Albendazole, and Fenbendazole.

Annexure-8**Waiting period/ pre-harvest interval between application of the pesticides and harvest in respect of various commodities in case of new formulations registered under section 9(3) & label expansion of already registered formulations****Entomology Unit****List of registered Pesticides/PGR under 9(3) and 9(3) label Expansion along with waiting Period**

S. No.	Company Name	Product Name	Crop / Commodity	Waiting Period (Days)	RC No.
1.	M/s Syngenta India Ltd	Diafenthiuron 47.8% SC (Diafenthiuron 50% w/v SC)	Cotton, Potato and Soybean	44	445
2.	M/s UPL Ltd	Dinotefuran 11% + Pymetrozine 36% WG	Rice	36	445
3.	M/s Arguse Polymers	Permethrin 2% Aerosol	Aircraft	NA	445
4.	M/s Corteva Agrosiences India Pvt. Ltd.,	Chlorantraniliprole 50% FS	Maize and Rice	NA	445
5.	M/s Corteva Agrosiences India Pvt. Ltd.,	Fluazaindolizine technical 96.1% w/w min	-	NA	446
6.	M/s Corteva Agrosiences India Pvt. Ltd	Fluazaindolizine 41.15% SC	Brinjal, Capsicum, Cucumber and Tomato	NA	446
7.	M/s BASF India Ltd.	Chlorfenapyr 240 g/l SC	Cotton, Soyabean, Chilli, Redgram and Brinjal		446
8.	M/s UPL Ltd.,	Fipronil 8% + Pymetrozine 35% WG	Paddy	36	446
9.	M/s GSP Crop Science Pvt. Ltd.	Tolfenpyrad 15% + Bifenthrin 7.5% SE	Paddy	35	446
10.	M/s Willowood Chemicals Pvt. Ltd.,	Fipronil 2.50% + Propargite 35.00% SE	Chilli	20	447

11.	M/s Willowood Chemicals Pvt. Ltd.,	Emamectin benzoate 1.1% + Diafenthiuron 30% SC	Cotton and Brinjal	38 and 08	447
12.	M/s Willowood Chemicals Pvt. Ltd.	Carboxin 22.5% + Thiram 22.5% + Imidacloprid 18% WS	Wheat	NA	447
13.	M/s Rainbow Agrosiences Pvt. Ltd.	Acetamiprid technical 99% w/w min.	-	NA	447
14.	M/s ADAMA India Pvt. Ltd	Diafenthiuron 40% + Spinetoram 5% SC	Cotton, Cabbage and Chilli	41 and 07	447
15.	M/s Coromandel International Ltd.	Emamectin benzoate 2.2% + Permethrin 15.3% SC	Maize	-	447
16.	M/s UPL Ltd.	Acetamiprid 20% + Chlorantraniliprole 20% WG	Cabbage and Tomato	03 and 07	447
17.	M/s Willowood Chemicals Pvt. Ltd.	Bifenthrin 10% + Thiamethoxam 5% SC	Rice	39	447
18.	M/s Godrej Agrovet Ltd.	Fluxametamide 3.8% + Pyridaben 9.5% SC	Tomato, brinjal, Okra, chilli	05	447
19.	M/s BASF India Ltd.	Afidopyropen technical 92.5% w/w min.	-	NA	447
20.	M/s Willowood Chemicals Pvt. Ltd.	Fenobucarb 22.5% + Buprofezin 11.25% + Acephate 2.5% ME	Rice	25	447
21.	M/s Nichino India Pvt. Ltd.,	Benzpyrimoxan 10% + Pymetrozine 20% WG	Rice	-	448
22.	M/s Rallis India Ltd	Benzpyrimoxan 15% + Fipronil 10% SC	Rice	22	448
23.	M/s SML Ltd.	Deltamethrin 25% WDG	<i>Aedes aegypti</i> , <i>Culex quinquefasciatus</i> , <i>Anopheles stephensi</i> , <i>Musca domestica</i> , <i>Blatella germanica</i> , <i>Periplaneta americana</i> and <i>Cimex hemipterus</i>	NA	448

			under household		
24.	M/s Amish Crop Science Pvt. Ltd.	Carbofuran technical 97% w/w min.	-	NA	448
25.	M/s VKA polymers Pvt. Ltd.	Long Lasting Insecticidal Net Incorporation with Alphacypermethrin 0.6% and Synergist Piperonyl butoxide 0.22% w/w (VEERALIN)	Public health insecticides)	NA	449
26.	M/s GSP Crop Science Pvt. Ltd.	Pymetrozine 25.0% + Thiamethoxam 17.5% + Hexaconazole 12.5% WG	Rice	19	449
27.	M/s GSP Crop Science Pvt. Ltd.	Thiocyclam hydrogen oxalate 3.0% + Clothianidin 1.2% GR	Rice	56	449
28.	M/s Rallis India Ltd	Methoxyfenozide 5% + Chlorpyrifos 25% SE	Bengal gram	-	449
29.	M/s Agro Life Science Corporation	Emamectin benzoate 3.5% + Lambdacyhalothrin 5% WP	Chilli		449
30.	M/s Agro Life Science Corporation	Profenofos 40% + Lambda cyhalothrin 1.5% EC	Cotton	15	449
31.	M/s Agro Life Science Corporation	Emamectin benzoate 3.8% + Thiamethoxam 20% WDG	Okra	05	449
32.	M/s UPL Ltd.	Novaluron 9.45% + Lambda cyhalothrin 1.9% ZC	Redgram, Tomato and Cabbage	39 and 7	449
33.	M/s Insecticides India Ltd.	Chlorpyrifos 19% ME	Rice		449
34.	M/s Gharda Chemicals Ltd.	Fipronil 10% + Diafenthiuron 30% WG	Cotton	21	450
35.	M/s Sumitomo Chemical India Ltd.,	Profenofos 50% + Fenpropathrin 5% EC	Cotton	22	450
36.	M/s Sumitomo	Etoazole technical	-	NA	450

	Chemical India Ltd.	94.6% w/w min			
37.	M/s Sumitomo Chemical India Ltd.	Etoxazole 6% + Abamectin 1.5% SC	Tea and Brinjal	-	450
38.	M/s Corteva Agrosciences India Pvt. Ltd	Triflumezopyrim 10.6% SC	Mango	-	445
39.	M/s Syngenta India Ltd.	Emamectin benzoate 5% + Lufenuron 40% WG	Maize	36	445
40.	M/s BASF India Ltd	Broflanilide 300 g/l SC	Maize	42	445
41.	M/s Gharda Chemicals Ltd	Chlorpyrifos 50% + Cypermethrin 5% EC	Okra	-	445
42.	M/s Indofil Industries Ltd.	Propargite 42% + Hexythiazox 2% EC	Apple	15	445
43.	M/s Godrej Consumers Products Ltd.	Transfluthrin 12% Aerosol	Household (<i>Aedes aegypti</i> , <i>Culex quinquefasciatus</i> and <i>Musca domestica</i>)	NA	445
44.	M/s Insecticides India Ltd	Buprofezin 22% + Fipronil 3% SC	Cotton	-	445
45.	M/s Bayer Crop Science Ltd.	Flupyradifuron 17.00% SL	Tea	-	446
46.	M/s Sumitomo Chemical India Ltd.	Metofluthrin 0.32% based liquid vaporizer with addition of 1% perfume	<i>Aedes aegypti</i> , <i>Culex quinquefasciatus</i> and <i>Anopheles stephensi</i> in household	NA	446
47.	M/s Godrej Agrovet Ltd.	Pyridaben 20% WP	Apple and Brinjal	5 and 3	446
48.	M/s Parijat Industries (India) Pvt. Ltd.	Pyriproxyfen 10% + Bifenthrin 10% EC	Soybean	-	447
49.	M/s Parijat Industries (India) Pvt. Ltd.	Pyriproxyfen 10% + Bifenthrin 10% EC	Chilli and Brinjal	-	447
50.	M/s Bayer CropScience Ltd.	Fipronil 40% + Imidacloprid 40% WG	Chilli	-	447
51.	M/s Bayer CropScience Ltd.	Flubendiamide 8.33% + Deltamethrin 5.56% SC	Chilli	-	447

52.	M/s Bayer CropScience Ltd.	Flubendiamide 8.33% + Deltamethrin 5.56% SC	Tomato	-	447
53.	M/s Syngenta India Ltd.	Thiamethoxam 12.6% + Lambda cyhalothrin 9.5% ZC	Wheat and cumin	-	447
54.	M/s Bayer CropScience Ltd.	Spirotetramat 15.31% OD	Tea	-	447
55.	M/s Syngenta India Ltd.	Thiamethoxam 75% WG	Banana	-	447
56.	M/s Rallis India Ltd.	Flubendiamide 20% WG	Maize	-	447
57.	M/s Gharda Chemicals Ltd.	Fipronil 40% + Imidacloprid 40% WG	Cotton	48	447
58.	M/s P I Industries Ltd.,	Profenofos 40% + Cypermethrin 4% EC	Sugarcane	-	448
59.	M/s Sumitomo Chemical India Ltd.	Clothianidin 50% WDG	Groundnut	-	448
60.	M/s FMC India Pvt. Ltd.,	Cyantraniliprole 10.26% OD	Potato, Chilli and Citrus	-	448
61.	M/s Dow Agrosciences India Pvt. Ltd.	Spinetoram 11.7% SC	Pomegranate	-	449
62.	M/s Bayer Cropsceince Ltd	Imidacloprid 48.0% FS	Bengal gram	-	449
63.	M/s Bayer Cropsceince Ltd	Spirotetramat 15.31% OD	Citrus	-	449
64.	M/s Bayer Cropsceince Ltd	Imidacloprid 48% FS	Green Pea	-	449
65.	M/s Bayer Cropsceince Ltd	Betacyfluthrin 8.49% + Imidacloprid 19.81% OD	Onion	-	449
66.	M/s Bayer Cropsceince Ltd	Spirotetramat 11.01% + Imidacloprid 11.01% SC	Onion	-	449
67.	M/s Bayer Cropsceince Ltd	Fluopyram 400 SC	Cucumber	-	450
68.	M/s Bayer Cropsceince Ltd	Imidacloprid 48% FS	Blackgram	-	450
69.	M/s Bayer Cropsceince Ltd	Imidacloprid 48% FS	Cumin	-	450
70.	M/s FMC India Ltd	Chlorantraniliprole	Maize	-	450

		18.5% SC			
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Plant Pathology Unit

List of registered Pesticides under 9(3), 9(3b) and 9(3) label Expansion along with waiting Period

S. No	Company Name	Product Name	Crop claim	Waiting Period /PHI (Days)	RC No.
1.	M/s. Willowood Chemical India Ltd.	Difenoconazole 6% + Validamycin 6% SC	Rice	40	445
2.	M/s Excel Crop Care Ltd	Tribasic copper sulphate 34.5 % w/v SC	Chilli	16	445
			Cucumber	20	
3.	M/s Bayer CropScience Limited	Fluopyram 21.37% w/w +Trifloxystrobin 21.37% w/w SC	Rice	32	446
			Chilli	05	
			Onion	30	
4.	M/s Agro Life Science Corporation	Copper Oxychloride 47%+ Metalaxyl 8% WP	Potato	34	446
5.	M/s Gharada Chemicals Ltd.	Pyraclostrobin 10% + Thifluzamide 10% SC	Rice	18	447
6.	M/s Willow Wood Chemicals Ltd.	Carboxin 22.5 % + Thiram 22.5 % + Imidacloprid 18 % WS	Wheat	Seed treatment	447
7.	M/s ADAMA India Pvt Ltd.	Prochloraz 24.4% +Tebuconazole 12.1%	Chilli	5	447
8.	M/s Gharda Chemical Ltd.	Azoxystrobin 20% + Thifluzamide 15% SC	Rice	28	447
9.	M/s Seedlings India Pvt. Ltd	Trifloxystrobin 10% +Difenoconazole 12.5%+Sulfur 3% SC	Tomato	14	447
10.	M/s Syngenta India Limited	Sedaxane 15.27% w/w + Fludioxonil 7.64% w/w +Metalaxyl-M 3.06%w/w FS	Maize	Seed treatment	448
11.	M/s Seedling India Pvt. Ltd.	Metiram 55% + Pyraclostrobin 5% WG	Tomato	5	448
			Potato	15	
			Grape	34	
			Chilli	5	
			Onion	16	
			Cotton	45	
			Apple	12	
			Pomegranate	67	

			Blackgram	32	
			Cumin	20	
			Greengram	18	
			Groundnut	42	
			Banana	85	
			Cucumber	5	
			Bitter gourd	5	
12.	M/s Seedling India Pvt. Ltd	Metiram 44%+Dimethomorph 9% WG	Grape	10	448
13.	M/s. GSP Crop Sciences Pvt. Ltd.	Pymetrozine 25.0% + Thiamethoxam 17.5% + Hexaconazole 12.5% WG	Paddy	19	449
14.	M/s Syngenta India Limited	Oxathiapiprolin 2.77% w/w + Mandipropamid 23.08% w/w SC	Grape	43	449
15.	M/s Bayer CropScience Limited	Tebuconazole 38.39% w/w SC	Soybean	28	445
16.	M/s Bayer Crop Science Limited	Tebuconazole 38.39% w/w SC	Apple	30	445
17.	M/s Bayer CropScience Ltd.	Tebuconazole 50% + Trifloxystrobin 25% WG	Green pea	10	445
18.	M/s BASF India Ltd.	Fluxapyroxad 75 g/l + Difenoconazole 50 g/l SC	Tomato	10	445
			Cucumber	10	
19.	M/s Bayer CropScience Limited	Fluopicolide 4.44% + Fosetyl-Aluminium 66.7% WG	Citrus	30	445
20.	M/s Parijat Industries (India) Pvt. Ltd.	Fipronil 5% + Isoprothiolane 28% EC	Onion	10	446
21.	M/s Rallis India Limited.	Captan 70% + Hexaconazole 5% WP	Pomegranate	7	446
22.	M/s UPL Limited	Carbendazim 12% + Mancozeb 63 % WP	Paddy	57	446
			Chilli	3	
23.	M/S Bayer CropScience Ltd.	Tebuconazole 50% + Trifloxystrobin 25% WG	Wheat	40	447
24.	M/s Biostadt India Limited	Kasugamycin 3% SL	Cabbage	20	447
25.	M/s UPL Limited.	Azoxystrobin 8.3% + Mancozeb 66.7% WG	Paddy	23	447
			Potato	25	
				5	

			Tomato		
			Onion	42	
			Soybean	30	
26.	M/s UPL Limited	Carbendazim 12% + Mancozeb 63% WS	Soybean	-	448
			Pea	-	
27.	M/s Bayer CropScience Limited	Fluopicolide 6.25% + Propamocarb hydrochloride 62.5% SC	Potato	19	448
			Tomato	5	
28.	M/s Bayer CropScience Limited	Fluopyram 17.7% w/w + Tebuconazole 17.7% w/w SC	Mango	20	448
29.	M/s ADAMA India Pvt. Ltd.	Bupirimate 25% w/v (26.7 % w/w) EC	Grapes	15	448
30.	M/S BASF India Limited.	Fluxapyroxad 167 g/l + Pyraclostrobin 333 g/l SC	Wheat	55	448
31.	M/S UPL Limited	Mancozeb 50 % + Thiophanate methyl 25 % WG	Ground nut	24	448
			Chilli	10	
32.	M/s- Bayer Crop Science Limited	Penflufen 13.28% w/w + Trifloxystrobin 13.28% w/w FS	Bengal gram	Seed treatment	449
33.	M/S BASF India Limited,	Metiram 70% WG	Black gram	34	449
			Cotton	27	
			Onion	7	
			Soybean	35	
34.	M/S Corteva Agriscience India Pvt. Ltd.	Picoxystrobin 7.05% + Propiconazole 11.71% SC	Onion	30	449
35.	M/S Sumitomo Chemical India Limited	Tebuconazole 10 % + Sulphur 65 % WG	Groundnut	31	449
36.	M/s Corteva Agriscience India Pvt. Ltd.	Picoxystrobin 7.05% + Propiconazole 11.71% w/w SC	Soybean	2	450
37.	M/S NAACL Industries Limited	Myclobutanil 10% WP	Cotton	6	450
38.	M/s Biostadt India Limited.	Thiophanate methyl 70% WP	Cotton	47	450
39.	M/S Bayer CropScience Limited,	Fluopicolide 5.56% w/w + Propamocarb		25	450

		Hydrochloride 55.6% w/w SC	Onion		
40.	M/s Adama India Pvt. LTD.	Prochloraz 23.5% + Trichlazole 20% SE	Rice	28	450
41.	M/s Bayer Crop Science Ltd.	Tebuconazole 50% +Trifloxystrobin 25% WG (Nativo 75 WG)	Chilli	5	450
42.	M/s BASF India Limited	Pyraclostrobin 100 g/l CS	Paddy	18	450
43.	M/s Bayer Crop science Limited	Fluopyram 17.7% + Tebuconazole 17.7 w/w SC	Chilli	5	450
44.	M/s Bayer Crop science Limited	Tebuconazole 50% + Trifloxystrobin 25% WG	Tea	7	450
45.	M/s ADAMA India Private Limited	Azoxystrobin 11%+Tebuconazole 18.3% SC	Chilli	5	450

Weed Science Unit**List of registered Pesticides under 9(3), 9(3b) and 9(3) label Expansion along with waiting Period**

S. No.	Company name	Chemical name	Crop name	Waiting Period	RC
1.	Crystal Crop Protection Ltd.	Bensulfuron methyl 4.8% + Pretilachlor 48% OD	Transplanted rice	102	446
2.	GSP Crop Science Pvt. Ltd.	Pendimethalin 15% + Pyrazosulfuron ethyl 0.15% GR	Transplanted rice	70	446
3.	Gharda Chemicals Ltd.	Dicamba technical 97% w/w min.	-	-	446
4.	Panoli Intermediates (India) Pvt. Ltd.	Nitrobenzene technical 99.90% w/w min.	-	-	446
5.	ADAMA India Pvt. Ltd.	Imazethapyr 10% SL	Direct Seeded Herbicide Tolerant Rice crop	75	446
6.	ADAMA India Pvt. Ltd.	Bispyribac sodium 2.00% + 2,4-D sodium salt 54.30% SP	Transplanted rice, Direct seeded rice	79,79	447
7.	Krishi Rasayan Exports Pvt. Ltd.	Glufosinate ammonium technical 95% w/w min.	-	-	447
8.	BASF India Ltd.	Dimethenamid-P technical 93% w/w min.	-	-	447
9.	BASF India Ltd.	Saflufenacil 68 g/l + Dimethenamid-P 600 g/l EC	Maize (Subject to MRL fixation)	98	447
10.	Seedlings India Pvt. Ltd.	Pyroxasulfone 85% WG	-	-	447

11.	UPL Ltd.	Fomesafen technical 95.5% w/w min.	-	-	447
12.	Gharda Chemicals Ltd.	Dicamba 48% SL	Maize, Wheat (Subject to MRL fixation)	69,91	447
13.	Insecticides India Ltd.	Bispyribac sodium 9.5% + Penoxsulam 7.8% SC	Transplanted rice	78	447
14.	Insecticides India Ltd.	Metribuzin 16.8% + 2,4-D sodium salt 56% WP	Sugarcane	308	447
15.	Rainbow Agrosciences Pvt. Ltd.	Metribuzin technical 95% w/w min.	-	-	447
16.	Rainbow Agrosciences Pvt. Ltd.	Paraquat dichloride 42% w/w min.	-	-	447
17.	BASF India Ltd.	Imazamox 35% + Imazethapyr 35% WG	-	-	448
18.	Insecticides India Ltd.	Pendimethalin 24% + Oxyfluorfen 4.1% w/v ZE	Onion	90	448
19.	ADAMA India Pvt. Ltd.	Pyroxasulfone 85% WG	-	-	449
20.	Bharat Rasayan Ltd.	Carfentrazone ethyl 40% DF	-	-	449
21.	DhanukaAgritech Ltd.	Halosulfuron methyl 6% + Metribuzin 50% WG	Sugarcane	247	449
22.	BASF India Ltd.	Topramezone 32 g/l + Dimethenamid-p 538 g/l EC	Maize (Subject to MRL fixation of Dimethenamid- p)	85	449
23.	Devi CropScience Pvt. Ltd.	Nitrobenzene 20% w/w EW	Tomato (Subject to MRL)	Nil	449

			fixation)		
24.	Amish Crop Sciences Pvt. Ltd.	Glyphosate technical 95% w/w min.	-	-	450
25.	PI Industries Ltd.	Bispyribac sodium 10% SC	Transplanted rice, Direct seeded rice (Drone based application)	78,78	450
26.	Tagros Chemicals India Pvt. Ltd.	Sulfentrazone 39.6% SC	Transplanted rice (Subject to MRL fixation)		450
27.	Corteva Crop India Private Ltd.	Haloxypop R methyl 10.5% w/w EC (10.8% w/v EC)	Cotton (Subject to MRL fixation)	86	450

Annexure: 12**Toxicity Classification and Colour Coding of Pesticides**

Category	Classification of Insecticide	Median Lethal dose by oral route (acute toxicity LD₅₀ mg/kg body weight of test animal)	Median Lethal dose by dermal route (acute toxicity LD₅₀ mg/kg body weight of test animal)	Median Lethal dose by gaseous route (acute toxicity LC₅₀ (ppm V))	Median Lethal dose by vapor route (acute toxicity LC₅₀ (mg/L))	Median Lethal dose by dusts & mists route (acute toxicity LC₅₀ (mg/L))	Colour and identification on label	Symbol/ signal word	Warning statement
1	2	3	4	5	6	7	8	9	10
1	Extremely Toxic	≤ 50	≤ 200	≤ 500	≤ 2.0	≤ 0.5	Bright Red	Skull & cross bone, word “Poison” both printed in red colour	A) “KEEP OUT OF REACH OF CHILDREN” B) “IF SWALLOWED OR SYMPTOMS OF POISONING OCCURS CALL PHYSICIAN

									IMMEDIATELY”
2	Highly Toxic	>50-500	>200-1000	>500-2500	>2.0-10	>0.5-1.0	Bright Yellow	“Poison” printed in red colour	“KEEP OUT OF REACH OF CHILDREN”
3	Moderately Toxic	> 500-2000	>1000-2000	>2500-20000	>10-20	>1.0-5.0	Bright Blue	“Danger”	“KEEP OUT OF REACH OF CHILDREN”
4	Slightly Toxic	> 2000-5000	>2000-5000	>2000 or any mortality in category 4/significant toxic effect to human	>20 or any mortality in category 4/significant toxic effect to human	>5.0 or any mortality in category 4/significant toxic effect to human	Light Blue	“Caution”	“KEEP OUT OF REACH OF CHILDREN”
5	Unlikely to be Toxic	>5000/ ∞ unclassified	>5000	Unclassified	Unclassified	Unclassified	Bright Green	“Caution”	No warning statement

Annexure-13**New molecules for Inclusion in the Schedule to the Insecticides Act 1968 (65th CIB)**

S. No.	Application No./ Name of the Applicant	CAS No/ Common Name/ IUPAC Name	Bio-efficacy	Toxicity	Status of Registration in Other Country	Decision of the Board
1	INC-10040 M/s Kay Bee Bio-Organics Private Limited	76-22-2/ Camphor/ 1,7,7-trimethylbicyclo[2.2.1]heptan-2-one	Cinnamomum Camphora oil is plant derived oil and has anti-microbial, anti-inflammatory, NS insecticidal properties. Studies reported that the Cinnamomum Camphora oil effectively controlled the mites.	Acute oral LD ₅₀ (rats): >5000 mg/kg Acute dermal: No data available Acute toxicity estimate inhalation-4h-2.5 mg/l-dust/mist (Expert judgement) Irritating to respiratory system Skin irritation-human skin: skin irritation-1 hr Acute eyes irritation: -Bovine cornea: Causes serious eye damage-4 hrs. Respiratory or skin sensitization-In vitro study: Positive Germ cell mutagenicity-Ames test-Negative 1.Repeated dose toxicity(Oral)-Rat, male & female 91 days NOAEL (No observed Adverse effect level)- 3.2 mg/kg Remarks: Sub-chronic toxicity 2. Repeated dose toxicity	Registered in USA	Approved

				<p>(Inhalation)-Rat, male & female 28 days: Subacute toxicity</p> <p>3. Repeated dose toxicity (skin contact)- Rat, male & female-NOAEL- 250 mg/kg</p> <p>4. RTECS: EX1225000</p> <p>Cpndusion, coma, Nausea, Dizziness, Headache</p> <p>To the best of knowledge, the chemical physical, and toxicological properties have not been thoroughly investigated.</p> <p>Toxicity to fish (Zebra fish, <i>Danio rario</i>) 96 hrs. LC₅₀: 33.25 mg/l</p> <p>Toxicity to Daphnia magna (Water flea) & other aquatic invertebrates 48 hrLC₅₀: 4.23 mg/l</p> <p>Toxicity to algae 72 hr EC₅₀: 1.71 mg/l & 72 hr NOEC: 0.032 mg/l</p> <p>Toxiicty to bacteria 3hrs. EC₅₀ (activated sludge): > 100 mg/l</p> <p>Carcinogenicity: Not classified as human carcinogen</p> <p>Reproductive toxicity: No data available</p>	
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				Specific target organ toxicity (Inhalation): May cause damage to organs		
2	INC-10041 M/s Kay Bee Bio-Organics Private Limited	97-53-0/ Eugenol/ 2-methoxy-4-prop-2-enylphenol	Eugenol is a phenolic aromatic compound obtained mainly from clove oil. Due to its known antibacterial, antiviral, antifungal, anticancer, anti-inflammatory and antioxidant properties it has long been used in various areas including insect pest management.	Acute oral LD ₅₀ (rats): >5000 mg/kg Acute dermal: No data available Acute toxicity estimate inhalation-4h-2.5 mg/l-dust/mist (Expert judgement) Irritating to respiratory system Skin irritation-human skin: skin irritation-1 hr Acute eyes irritation:-Bovine cornea: Causes serious eye damage-4 hrs. Respiratory or skin sensitization-In vitro study: Positive Germ cell mutagenicity-Ames test-Negative 1.Repeated dose toxicity(Oral)-Rat, male & female 91 days NOAEL (No observed Adverse effect level)- 3.2 mg/kg Remarks: Sub-chronic toxicity 2. Repeated dose toxicity (Inhalation)-Rat, male & female 28 days: Subacute toxicity	Registered in USA	Approved

				<p>3. Repeated dose toxicity (skin contact)- Rat, male & female-NOAEL-250 mg/kg</p> <p>4. RTECS: EX1225000 Cpndusion, coma, Nausea, Dizziness, Headache</p> <p>To the best of knowledge, the chemical physical, and toxicological properties have not been thoroughly investigated.</p> <p>Toxicity to fish (Zebra fish, <i>Danio rario</i>) 96 hrs. LC₅₀: 33.25 mg/l</p> <p>Toxicity to Daphnia magna (Water flea) & other aquatic invertebrates 48 hrLC₅₀: 4.23 mg/l</p> <p>Toxicity to algae 72 hr EC₅₀: 1.71 mg/l & 72 hr NOEC: 0.032 mg/l</p> <p>Toxicity to bacteria 3hrs. EC₅₀ (activated sludge): > 100 mg/l</p> <p>Carcinogenicity: Not classified as human carcinogen</p> <p>Reproductive toxicity: No data available</p> <p>Specific target organ toxicity (Inhalation): May cause damage to</p>	
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				organs		
3	INC-10042 M/s Kay Bee Bio-Organics Private Limited	5392-40-5/ Citral/ (2E)-3,7-dimethylocta-2,6-dienal	Citral is well known for its antimicrobial, antifungal, and insecticidal activities. Natural sesquiterpene α -methylenelactones also exhibit a broad spectrum of biological activities. Citral is reported as an effective insecticide, nematocide, and insect-repellant	Acute oral toxicity (rat) LD ₅₀ : 4960 mg/ml (Behavioural: Somnolence (general depressed activity) Acute interperitorial toxicity LD ₅₀ : 460 mg/kg Acute oral toxicity (Mouse)LD ₅₀ : 6g/kg Rabbit skin: LD ₅₀ : 2250 mg/kg Rat, oral LD ₅₀ : 500 mg/kg Eco-Toxicity: LC ₅₀ Oryziaslatipes (Medaka) 6.1 mg/L/24 hr; semi-static, 21-23 degree C, pH 6.9-7.3, dissolved oxygen 4.9-9.1 mg/L/98.9% pure/ LC ₅₀ Oryziaslatipes (Medaka) 5.8 mg/L/48 hr; semi-static, 21-23 degree C, pH 6.9-7.3, dissolved oxygen 4.9-9.1 mg/L/98.9% pure/ LC ₅₀ Oryziaslatipes (Medaka) 4.1 mg/L 96 hr; semi static bioassay. LC50 Leuciscus	Registered in USA	Approved

				<p>idus 4.6-10 mg/L 96 hr; static bioassay Citeral was not carcinogenic in F344/N rat's or male B6C3F1 mice.</p>		
4	<p>INC-10043</p> <p>M/s Kay Bee Bio-Organics Private Limited</p> <p>INC-10055</p> <p>M/s Krishi Rasayan Exports Pvt. Ltd.</p>	<p>89-83-8/ Thymol/ 5-methyl-2-propan-2-ylphenol</p>	<p>Thymol is an active ingredient in pesticide products registered for use as animal repellents, fungicides/fungistats, medical disinfectants, tuberculocides, and virucides. These products are used on a variety of indoor and outdoor sites, to control target pests including animal pathogenic bacteria and fungi, several viruses including HIV-I, and birds, squirrels, beavers, rats, mice, dogs, cats and deer and Thymol is derived from <i>Thymus vulgaris</i> and it contains insecticidal properties. Study demonstrated that the thymol is effective against diamond back</p>	<p>Acute oral toxicity (rat) LD50: 980 mg/kg Acute dermal toxicity (rat) LD50:>2000 mg/kg Skin icorrosion/irritation (Rabbit)- causes burns- 4hr exposure Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI(Table 3.1/3.2) Serious eye damage/eye irritation (Rabbit)- Irreversible effects on the eye-24 h, Causes serious eye damage Respiratory or skin sensitization Open epicutaneous test- Guinea pig Result: Negative Ecotoxicity: LC50; Species Daphnia magna (Water flea) age 1-2 instar larva; conditions:</p>	<p>Registered in USA and Canada</p>	<p>Approved</p>

			moth.	freshwater, static, 20 degree Celsius, pH 6.5-8.5; Concentration: 3200µg/L for 96 hr. LC50; Species: Gammarus fasciatus (Scud) juvenile; conditions: freshwater, static, 20 degree Celsius, pH 6.5-8.5; Concentration: 3200µg/L for 96 hr. LC50; Species: Pimephalespromela s (Fathead Minnow) juvenile; conditions: freshwater, static, 20 degree Celsius, pH 6.5-8.5; Concentration: 3200µg/L for 96 hr.		
5	INC-10044 M/s Kay Bee Bio-Organics Private Limited	94-62-2/ Piperine/ (2E,4E)-5-(1,3-benzodioxol-5-yl)-1-piperidin-1-ylpenta-2,4-dien-1-one	Piperine is an insecticide used for controlling sucking pests like okra aphid, leafhopper and lepidopteran pests like diamond back moth and spodoptera and Piperine is the principle alkaloid responsible for pungency of pepper and also reported to have insecticidal	Acute oral toxicity (rat) LD50: 514 mg/kg Remarks: Behavioral: excitement. Behavioral change in motor activity (specific assay). Lungs, thorax, or Respiration: Other changes. Acute dermal toxicity: No data available Skin corrosion/irritation: No data available	Registered in USA	Approved

			properties and effective against for the control of lepidopteran insects and mosquito species.	Serious eye damage/eye irritation: No data available Respiratory or skin sensitization: No data available Germ cell mutagenicity: No data available Toxicity to fish (Pimephalespromel as (fathead minnow): 96 hrs LC50: 7.84 mg/l		
6	INC-10045 M/s Kay Bee Bio-Organics Private Limited	122-03-2/ Cuminaldehyde/ 4-propan-2-ylbenzaldehyde	Cuminaldehyde has a role as an insecticide, a volatile oil component and a plant metabolite. It derives from a hybrid of cumine.	Acute oral toxicity (Rat): LD ₅₀ : 1.390 mg/kg Remarks: Behavioural: Somnolence (general depressed activity); Gastrointestinal: Ulceration or bleeding from stomach; Liver: other changes. Acute dermal toxicity (rabbits) LD ₅₀ : 2.800 mg/kg Germ cell mutagenicity Test system: Salmonella typhimurium Metabolic activation: with & without metabolic activation Method: (Salmonella typhimurium-reverse mutation assay)	Registered in Italy	Not approved

				Result: Negative		
7	INC-10046 M/s Kay Bee Bio-Organics Private Limited	140-67-0/ Methyl Chavicol/ 2-(5-methyl-2-propan-2-ylcyclohexyl)-4-prop-2-enylphenol	Methyl chavicol (MC), chemically known as 1-methoxy-4-prop-2-enylbenzene, estragole, or <i>p</i> -allylanisole, is a special metabolite belonging to the class of phenylpropanoids found in essential oils of medicinal and food plants. Studies demonstrated that effectively control mosquito species.	Acute oral toxicity (Rat): LD ₅₀ : 1230 mg/kg Acute dermal toxicity (rabbits) LD ₅₀ : > 5000 mg/kg Skin corrosion/irritation- Mild skin irritation Germ cell mutagenicity (rat)-liver, unscheduled DNA synthesis Mouse-DNA damage	Registered in Australia	Approved
8	INC-10047 M/s Kay Bee Bio-Organics Private Limited	72741-87-8/ Ipomoea/ (1S,2R,8R,8aR)-Octahydroindolizine-1,2,8-triol	Ipomoea is extracted from <i>Ipomoea carnea</i> and it has anti-inflammatory, antioxidant and insecticidal properties. Studies reported that the Ipomoea oil is effective against lepidopteran insect pests.	A number of studies reported the toxicological effects of <i>I. carnea</i> , mainly in goats & sheep. Chronic ingestion has been reported to cause general weakness, loss of body weight, hair loss locomotor disturbance, loss of reflexes, inter-hepato-nephropathy, muscle tremors, ataxia, posterior paresis, paralysis &	Information not available	Referred to the Sub-Committee

				<p>even death Wistar rats: biochemical changes like leukocytosis, anemia, increase in serum aspartate Amino Transferase activity & decrease of albumin level have been noticed I. carnea treatment.</p> <p>The dihydroxynortropan e alkaloids are thought to be responsible for these toxic effects of I. carnea.</p> <p>Toxic effects of this plant: Induction of Lyposomal storage disease,</p> <p>Teratological effect Alkaloids aqueous fraction (AF)- administered individually at the same concentration as in this fraction, to rats for 14 days.</p> <p>No anorexic effect &/or alteration in the body weight was observed in any group. The histopathologic study showed that while calystegines did not produce any</p>	
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				<p>toxic effects, swainsonine and I carnea AF promoted vacuolation in different organs, being more severe in the animals from the I. carnea AF group & extensible to other organs evaluated.</p> <p>No alterations were detected in the CNS of rats of any group assayed.</p> <p>The results obtained here suggest that calystegines may act as coadjuvants of swainsonine in I. carnea toxicosis; however, little can be proposed about the neurotoxic effect of I. carnea since rats did not prove to be a good model for the reproduction of neuronal storage disease.</p>		
9	INC-10049 M/s Kay Bee Bio-	508-59-8/ Parthenin/ (3aS,6S,6aS,9aS,9bR)-6a-hydroxy-6,9a-dimethyl-3-	Parthenin, a sesquiterpene lactone of pseudoguaianolide type, is the representative secondary	Acute toxicity oral (rat): LD ₅₀ : 42 mg/kg Ethanol extract (rat, oral administration): LD ₅₀ : 676.65	Information not available	Referred to the Sub-Committee

	Organics Private Limited	methylidene-4,5,6,9b-tetrahydro-3aH-azuleno(8,7-b)furan-2,9-dione	metabolite of the tropical weed <i>Parthenium hysterophorus</i> Studies demonstrated that the Parthenin has insecticidal and nematocidal properties.	mg/kg body Tremor, convulsion, diarrhea, labored breathing, abnormal gait, food avoidance, reduced food consumption, increase in relative liver weight & decrease in body weight was observed in rats on exposure to sublethal dosage of ethanolic extract.			
10	INC-10052 M/s Mahindra Summit Agriculture Limited	9007-48-1/ Polyglycerol oleate 1,2,3-Propanetriol, homopolymer, (9Z)-9-octadecenoate	The product is Polyglycerol Esters of Fatty Acid is a food additive and was registered in 2016 in Japan, having insecticidal, fungicidal, and acaricidal activities. Its only mode of action is spiracle blockage, and it can be sprayed at a high dilution (×1,000), so the risk of phytotoxicity is relatively low.		Registered in Japan , USA, China, Korea, Australia, New Zealand	Deferred for want of clear toxicity data	
				Studies			Val
				Acute Oral LD ₅₀ (Rats)			In Japan A.I. has granted exemption from study b
				Acute Dermal LD ₅₀ (Rats)			it has the knowle
				Acute Inhalation LC ₅₀ (Rats)			that active ingredi
				Eye irritation (Rabbit)			this i
				Skin irritation (Rabbit)			has safety is used for additiv
11	INC-10054 M/s Corteva Agrisc	2376210-14-7/ Metarylpicoxamid/ (2S,3S)-3-(2-methylphenyl)but	It is fungicide used for the Asian soya-bean rust (ASR) caused by Phakopsorapachyrhizi	Acute oral: LD ₅₀ > 2000 mg/kg for Rat Acute dermal: LD ₅₀ > 2000 mg/kg for Rat	Registered in Brazil	Approved	

	ence India Pvt. Ltd.	an-2-yl N-{[4- methoxy-3- (propanoyloxy)py ridin-2- yl]carbonyl}-L- alaninate	(PHAKPA)	Acute Inhalation: LC50 (4 h) 1.0 mg/L < LC50 < 5.4 mg/L Skin Irritation 1. In vitro human- Not Irritating Not Classified 2. Rabbit- Not Irritating Not Classified Eye Irritation- 1. In vitro human- Not Irritating Not Classified 2. Rabbit- Not Irritating Not Classified Skin Sensitization 1. In vitro human- Not Irritating Not Classified 2. In mouse- Sensitizer		
12	INC- 10056 M/s Atul Limite d	16484-77-8/ Mecoprop-P/ (R)-2-(4-chloro- o- tolyloxy)propioni c acid	Mecoprop – p is Selective, systemic hormone type herbicide, absorbed by the leaves with translocation to the roots and used for Post- emergence control of broad- leaved weeds, especially cleavers, chickweed, clovers & plantains, in	Acute oral: LD50 > 431-1050 mg/kg body weight for Rat. Acute dermal (Rat): > 4000 mg/kg Acute inhalation (rat) :> 5.6(4h) Primary skin irritation: not an irritant Eye irritation: NOEL (2 y) for rats 1.1 mg/kg b.w	Registered in Austria, Belgium,B ulgaria, Cyprus, Germany Denmark, Czech Republic, Greece, Estonia, Spain Finland, France Croatia,Hu ngary Ireland, Italy	Appro ved

			wheat, barley, oats, herbage seed crops & grassland	daily. . Skin sensitization (Guinea pig): No skin sensitization reported	Lithuania, Netherland, Poland, Iceland, Norway, Australia, Canada, United States	
13	INC-10057 M/s UPL Limited	9012-76-4/ Optichos (Chitosan) Linear copolymer β -1,4-linked 2-amino-2-deoxyD-glucopyranose and 2-acetamido-2 deoxy-D-glucopyranose	Used as Fungicide against <i>Botrytis cinerea</i> the causative agent of gray mold in numerous fruit and vegetable crops.	Acute oral: LD50 > 2000 mg/kg mg/kg body weight for Rat. Acute Inhalation (Rat): No adverse effects reported. Primary skin irritation: Not required due to oral LD50 > 2000 mg/kg Eye irritation (Rabbit): No adverse effects reported. Skin sensitization (Guinea pig): No skin sensitization reported Optichos is not found to be acute toxic by the oral, dermal or inhalation route. It is neither found to be a skin nor eye irritant, nor a sensitizer and hence no further studies are required. The studies, which	Registered in EU.	Approved

				are presented in this section, are well described, transparently reported and published in peer reviewed and well-known journals.		
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