

MINUTES OF THE 61st MEETING OF THE CENTRAL INSECTICIDES BOARD (CIB) HELD ON 11.11.2021 AT 1500 HRS THROUGH VIDEO CONFERENCING.

The 61st meeting of the Central Insecticides Board was held on 11.11.2021 at 1500 hrs onwards through video conferencing under the Chairmanship of Prof. (Dr.) Sunil Kumar, Director General of Health Services(DGHS), Ministry of Health & Family Welfare and the Chairman, CIB. The list of the participants is at **Annexure-I**.

The Chairperson welcomed the participants. After a formal introduction by the participants, the Chairperson asked Secretary CIB&RC to present the agenda of the meeting. After detailed deliberation on each issue, the following decisions were taken:

Agenda item No.1: Confirmation of minutes of 60th meeting of CIB held on 11.05.2021

The Board confirmed minutes of the 60th meeting of CIB and noted the point raised by the representative from Directorate General of Factory Advice Services and Labour Institutes, with regards to include prescribed safety and health standards and Standard Operating Procedures (SOP) for handling, storage, manipulation and use of insecticides, it was decided that an exhaustive proposal may be submitted by the proposer, for examination and consideration by the Board in its next meeting.

Agenda item No. 2: Follow-up action on the decision of the 60th Meeting of the CIB

The Board noted the follow-up action on the decisions of the 60th meeting with satisfaction and appreciated the efforts made to complete the action in a time-bound manner. (**Annexure-II**)

Agenda item No. 3: Progress Report

3.1: Progress report of the registration committee

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-III &IV**) and Bio-pesticides (**Annexure-V**). The Board noted the progress made by the RC in registering the new and safer formulations of pesticides and also the progress of the Registration Committee during the stipulated period with satisfaction and appreciated the efforts made by the Secretariate of CIB&RC for reducing the pendency and conducting a special drive to make the registration system mandatorily online i.e. Computerised Registration of Pesticides(CROP).

3.2: Progress Report of Central Insecticides Laboratory (CIL)

The Board noted the progress of the CIL with satisfaction.

3.3: Progress Report of Techno-Legal Cell (TLC) and Regional Pesticide Testing Laboratories ((RPTLs)

The Board appreciated the efforts made in the launching of the prosecution under the Insecticides Act, 1968 against the defaulters. However, it was felt that more efforts should be made for more conviction out of the prosecution launched. The Board further felt that effort should be made to have full time regular Central Insecticide Inspectors, instead of assigning the additional work to already overloaded officers. A communication to this effect may be sent to Techno-legal Cell, DPPQS.

Agenda item No.4: Major achievements of Secretariate of CIB&RC during the period from 01.05.2021 to 31.10.2021

The Board noted with satisfaction the major achievements of the Secretariate of CIB&RC during the period from 01.05.2021 to 31.10.2021 and appreciated the special efforts made to reduce pendency and further simplifying the guidelines for registration under ease of doing business.

Agenda item No.5: Additional and new packing approved by the Registration Committee

The Board noted the progress made by the RC in approving additional and new packing for approved pesticides by the RC under Section 9(3) of the Insecticides Act, 1968. (Annexure-VI).

Agenda item No.6: Follow up on agenda item no 7 of the 60th Board meeting :Renotification of the complete list of Schedule to the Insecticides Act, 1968

The Secretary(CIB&RC) apprised the Board that this issue was deliberated in the 59th CIB meeting vide agenda item no. 10.0 and as directed by the Board, a public notice no 3-1/2020-CIR-II was issued on 15.12.2020, seeking suggestions/objections from the stakeholders within 30 days. Consequently the suggestions from various stakeholders were received. The Board in its 60th meeting decided to constitute a Sub-committee under the Chairpersonship of Dr. Anupama Singh, Principal Scientist &Head, Department of Agro-Chemicals, IARI to examine all suggestions/objections received as a result of the public notice dated 15.12.2020, on findings in the Schedule along with all other technical inputs necessary to harmonise the Schedule to the Insecticides Act, 1968, within three months, from the date of approval of the minutes. The Board deliberated the agenda in detail and on request of the Sub-committee, granted extension of two months for finalizing and submitting its report in the next Board meeting.

Agenda item No.7: Consideration of cases of application for enhancement of shelf-life registered u/s 9(3) & 9(4) of the Insecticides Act,1968

The Board noted the progress made by the CIB&RC enhancement of shelf-life registered u/s 9(3)& 9(4) of the Insecticides Act,1968. (Annexure-VII)

Agenda item No.8: Import permits issued for Multiuse/Dual-use Pesticides (for Non-Insecticidal purpose)

The Board members were apprised about the details of the import permits issued during the period from 01.05.2021 to 31.10.2021 under the category. The Board noted the information. **(Annexure-VIII).**

Agenda item No.9: 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 for 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. **(Annexure-IX).**

Agenda item No.10: Draft SOP for use of Drone application of pesticide for crop protection (small, marginal and organized sector) in agriculture, forestry, non-cropped areas-reg.

The Board deliberated the agenda in detail and endorsed the Standard Operating Procedure (SOP) for use of Drone application with pesticides for crop protection in agricultural, forestry, non-cropped areas, etc. annexed herewith. It also recognised the development made in reaching the present shape of the SOP prepared by the committee constituted under the chairmanship of Plant Protection Adviser (PPA) vis-a-vis the copy of Draft SOP in order forwarded by the Department (DA&FW) vide letter dated 21.06.2021, with F. No. 3035103/2021 (e 91885), to take the view of registration committee (RC)/ Central Insecticide Board (CIB). The board also endorsed the guidelines approved by the RC for use of Drone in application of pesticide for crop protection (small, marginal and organized sector) in agriculture, forestry, non-cropped areas.

It also observed that presently the country has limited experience and fewer amounts of scientific studies and data support towards use of Drone application of pesticide for crop protection. However, Board observed that in recent years, use of drone in agriculture has gained prominence and some states are actively engaged in checking the suitability of this new technology in Indian agriculture. Application of pesticides using drones has a great potential as important move towards achieving precision in agricultural production.

Drones are going to play an important role for increasing efficiency on use of crop protection using chemicals/botanicals/bio-pesticides etc, by reducing manpower requirement, reducing time duration of application, reducing volume of water, quantity of chemicals/ bio-pesticides etc. and reducing exposure to human being to hazardous chemicals. Therefore, to facilitate the use of Drone technology in Agriculture etc. in-line with the Government policy and thrust for increasing the use of Drone in different sectors including Agriculture, the Board has agreed to the following:

1. Approved the use of pesticides with only Director General Civil Aviation (DGCA) certified drone for use in agriculture, forestry and non-cropped areas based upon broader guidance under the Department of Agriculture & Farmers Welfare (DA&FW) approved SOP and Registration Committee (RC) approved guidelines and procedure prescribing Registration requirements of pesticides for drone application in agriculture, forestry and non-cropped area under the Insecticides Act, 1968 and the Insecticide Rules 1971.

2. Approved for constitution of a technical committee under the Chairmanship of PPA, DPPQ&S, and other members including from ICAR, ICMR (for public health), IPM Division/ CIB&RC of DPPQ&S or any other experts whose services may deem appropriate to the Chairman towards use of Drone. This committee shall examine the proposals submitted by the applicants in a time bound manner for use of drones for pesticides application in agriculture, forestry and non-cropped area as per the RC approved guidelines and procedures for using approved pesticides with Drone for its consideration /approval/or otherwise before carrying out the pesticides application with drone. The committee shall be responsible to apprise to the Board, the periodical findings/ approval granted to the applicants for considering of ex-post facto approval of the Board.

3. Board also agreed to the proposal of the RC that each applicant wish to generate data, for seeking registration for drone-based application of pesticides and their endorsement (label expansion); shall intimate about proposed data generation to the Secretariat of CIB&RC in advance. Those who have already started data generation as on date, shall intimate to the Secretariat of CIB&RC with in 30 days of uploading of the minutes following in RC approved procedure/ form etc

Agenda item No.11: Consideration of Notification issued by Ministry of Agriculture and Farmers Welfare.

The Board deliberated the Gazette Notification GSR 620 (E) dated 03.09.2021 Insecticides (Amendment) Rules 2021, published during May- October 2021, issued by the Department of Agriculture and Farmers Welfare, Ministry of Agriculture and Farmers Welfare and agreed.

Agenda item No.12: Consideration of proposals for Inclusion of New Molecules/substances in the Schedule to the Insecticides Act, 1968.

The Board deliberated the agenda in details and decided to include 10 molecules in the Schedule to The Insecticides Act, 1968. The list is annexed at (**Annexure X**).

The Board further decided that any such proposal for Inclusion of New Molecules/substances in the Schedule to the Insecticides Act, 1968, henceforth shall be examined by a subcommittee consisting of experts from Chemistry, Bio-efficacy and Medical Toxicology prior to placing the agenda before the CIB.

Agenda item No.13: Any other item with the permission of the Chair

No other point was raised by the members.

The meeting ended with a vote of thanks to the Chair.

Annexure-I

List of Participants of 61st meeting of the Central Insecticides Board held on 11th November 2021 at 15:00Hrs (Through Video Conferencing)

Board Chairman/ Members

1. Prof. (Dr.) Sunil Kumar, Director-General of Health Services, Chairperson
2. Dr V.G. Somani, Drugs Controller General of India (DGCI)
3. Dr. S. K. Malhotra, Agriculture Commissinor, Krishi Bhawan New Delhi
4. Dr. Ravi Prakash, Plant Protection Adviser, Directorate of Plant Protection, Quarantine and Storage
5. Dr. J.P. Singh, APPA& Secretary(CIB&RC), Directorate of Plant Protection, Quarantine and Storage
6. Dr. Sujeet Kumar, Director, National Centre for Disease Control (NCDC)
7. Dr. Devi Shankar Suman, Scientist 'D', on behalf of Dr Kailash Chandra, Director, Zoological Survey of India, Kolkata-700053
8. Shri Pramod Kumar Tiwari, Director General (DG), Bureau of Indian Standards
9. Dr. S. C. Khurana, Cunsaltant on behalf of Shri Arun Singhal, IAS, CEO, FSSAI
10. Dr. Praveen Malik, Animal Husbandry Commissioner, Department of Animal Husbandry and Dairying, Ministry of Fisheries, Animal Husbandry & Dairying, New Delhi
11. Dr. Vishal Choudhary, Dy. Industrial Advisor (Chemicals), DCPC, Ministry of Chemicals and Petrochemical, New Delhi
12. Dr. S.C. Dubey, ADG (PP), ICAR, New Delhi
13. Dr S.P. Shani, Deputy Drug Controller of India (DDCI), New Delhi
14. Dr. Tanzin Dikid, JD, NCDC
15. Dr. Sweta Bhan, NCDC
16. Dr. S. N. Sharma
17. Sh. Kuldeep Mittal
18. Dr. Reena Kumawat
19. Dr. Arun Chauhan
20. Mr. Himmat Singh

List of experts/participants from the Secretariat of CIB&RC

1. Dr. Sandhya Kulshrestha, Pr. Consultant (Pharma)
2. Dr. Vandana Seth, JD (Chem)
3. Sh. Subhash Chand, JD (Chem)
4. Sh. Hari Om Miglani, Sr.L.O.
5. Sh. A. K. Reddy, DD(WS)
6. Sh. Kiran W. Deshkar, DD (E)
7. Dr. K. L. Gurjar, DD(PP)
8. Dr. SnehaPotdar, DD (Chem)
9. Dr. Brijesh Tripathi, DD (Chem)
10. Sh. Niraj Kulshrestha, LO
11. Sh. A D Bhatt, PPO(Chem.)
12. Dr. S. K. Jain, Sr. Consultant (Medical Tox)
13. Dr. Sameya Anjum, Consultant (Medical Tox)

Annexure-II**Follow-up /Action taken report on 60th CIB meeting:**

The 60th meeting of the Central Insecticides Board (CIB) was held on 11.05.2021 at 1600 hrs onwards through video conferencing under the Chairmanship of Dr. Kanwar Sen, Addl. Director-General of Health Services, nominated by Dr. Sunil Kumar, Chairman, CIB & Director General of Health Services(DGHS), Ministry of Health & Family Welfare.

The Chairperson welcomed the participants. After a formal introduction of the participants, Chairperson requested the 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	Action taken
Agenda Item No. 1	Confirmation of minutes of 59 th meeting of CIB held on 12.11.2020	The Board confirmed minutes of the 59 th meeting of CIB and noted the point raised by the representative from Directorate General of Factory Advice Services and Labour Institutes, with regards to including to prescribe safety and health standards and Standard Operating Procedures (SOP) for handling, storage, manipulation and use of insecticides, it was decided that an exhaustive proposal may be submitted by the proposer, for examination and consideration by the Board in its next meeting	A proposal from the DGFASLI is awaited.
Agenda Item No. 2	Follow-up action on the decision of the 59 th Meeting of the CIB	The Board noted the follow-up actions on the decisions of the 59 th meeting with satisfaction and appreciated the efforts made to complete the action in a time-bound manner.	No Action Required
Agenda Item No. 3	Progress Report	The Board noted the progress of the Registration Committee, Central Insecticides Laboratory, Techno-legal Cell and RPTL's with satisfaction.	No Action Required

Agenda Item No. 4	Major achievements of Secretariat of CIB&RC during the period 01.11.2020 to 30.04.2021	The Board with satisfaction noted the major achievements of the Secretariat of CIB&RC during the period 01.11.2020 to 30.04.2021 and appreciated the special efforts made to reduce pendency and further simplify the guidelines for registration under ease of doing business.	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.	No Action Required
Agenda Item No. 6	Consideration of Notifications issued by Ministry of Agriculture and Farmers Welfare.	The Board deliberated the Notifications issued by the Ministry of Agriculture and Farmers Welfare especially the GSR No. 755(E) dated 09.12.2020 Insecticides (Third Amendment rules), GSR 110 (E) dated 05.02.2021 (Appointments of Insecticide Analyst for bio-pesticides and SO 826 (E) dated 18.02.2021 (Inclusion of 13 molecules in Schedule to the Insecticides Act) published by the Department of Agriculture Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare and agreed.	No Action Required
Agenda Item No. 7	Re-notification of the complete list of Schedule to the Insecticides Act, 1968	The Board formed a Sub-committee to examine all suggestions/objections received in the Secretariat as a result of the public notice dated 15.12.2020, on findings in the Schedule along with all other technical points necessary to harmonise the Schedule to the Insecticides Act, 1968, within three months, from the date of	The Sub-committee, was informed the decision of the CIB for needful action. The report of the Sub-committee is awaited.

		<p>approval of the minutes, as follows:</p> <ol style="list-style-type: none"> 1. Dr. Anupama Singh, Principal Scientist & Head, Department of Agro-Chemicals, IARI – Chairperson 2. Dr. Archana Sinha, JD (Chem) – Member 3. Dr. Vandana Seth, JD (Chem) – Member 4. Dr. Devi Shankar Suman, Scientist 'D', ZSI, – Member 5. Mr. A D Bhatt, PPO (Chem) – Member 6. Dr. Brijesh Tripathi, DD (Chem) – Member Secretary 	
Agenda Item No. 8	Consideration of cases of application for enhancement of shelf-life registered u/s 9(3) & 9(4) of the Insecticides Act, 1968	The Board noted the progress made by the CIB&RC enhancement of shelf-life registered u/s 9(3) & 9(4) of the Insecticides Act, 1968	No Action Required
Agenda Item No. 9	Import permit issued for multi-use/dual-use (non-insecticidal purpose)	The Board noted the progress made by the CIB&RC in approving import permits issued for multi-use/dual-use (non-insecticidal purposes) during the period from 01.11.2020 to 30.04.2021.	No Action Required
Agenda Item No. 10	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 for 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.	No Action Required
Agenda Item No. 11	Consideration of proposals for Inclusion of NewMolecules/substanc	The Board deliberated the agenda in detail and decided to include 4 proposed molecules, in the Schedule to The Insecticides	Communicated to DA&FW for the issue of Gazzette notification in

	es in the Schedule to the Insecticides Act, 1968	Act, 1968.	respect of approved molecules. Awaiting notification from DA&FW.
Agenda Item No. 12	Any other item with the permission of the Chair	No other point was raised by the members.	The meeting ended with a vote of thanks to the Chair.

Annexure-III**List of Pesticides and New Formulations Approved by the Registration Committee Under Section 9(3) of the Insecticides Act, 1968**

Sl. No.	Name of Pesticides	Category	RC Number
1.	Azoxystrobin 2.5%+Thiophanate Methyl 11.25% + Thiamethoxam 25% FS	FIM	428
2.	Florasulam Technical 96.2% w/w min	TI	428
3.	Fluroxypyr meptyl 48% W/v(45.5% w/w)EC	FI-WRT	428
4.	Quizalofop Ethyl 7.5% + Imazethapyr 15% w/w EC	FIM	428
5.	Hexythiazox 3.5 + Diafenthiuron 42% WDG	FIM	429
6.	Acephate 50% + Fipronil 5% WDG	FIM	429
7.	Hexaconazole 0.5% w/w GR	FIM	429
8.	Halauxifen-methyl technical 93% w/w min.	TI	429
9.	Halauxifen-methyl 20.8% + Florasulam 20.0% WG	FI	429
10.	Imidacloprid 2.15% GEL	FI	431
11.	Buprofezin 20% + Acetamiprod 2% WP	FIM	431
12.	Azoxystrobin 120 g/l + Tebuconazole 240 g/l SC	FIM	431
13.	Imidacloprid 17.1% SL	FIM	431
14.	Sedaxane technical 96% w/w min.	TI	432

Annexure-IV**List of Already Registered Pesticides and Formulations Approved by the Registration Committee Under Section 9(3) of the Insecticides Act, 1968**

Sl. No.	Name of Pesticides	Category	RC Number
1.	Glufosinate Ammonium Technical 95% w/w min	TI	428
2.	Butachlor Technical 95% w/w min	TI	428
3.	Clodinafop-Propargyl Technical 95% w/w min	TI	428
4.	Glyphosate Technical 95% w/w min	TI	428
5.	Halosulfuron Methyl Technical 97% w/w min	TI	428
6.	Halosulfuron methyl 75% WG	FIM	429
7.	Boscalid technical 96% w/w min	TI	429
8.	Difenoconazole technical 95% w/w min.	TI	429
9.	Haloxypop R Methyl 10.5% EC	FIM	429
10.	Haloxypop R Methyl Ester Technical 94% w/w min	TI	429
11.	Trifloxystrobin Technical 96% w/w min.	TIM	429
12.	Pyraclorobin technical 95% w/w min.	TIM	429
13.	Picoxystrobin technical 97% w/w min.	TIM	429
14.	Glyphosate technical 95% w/w min.	TI	429
15.	Butachlor technical 95% w/w min.	TI	429
16.	Imidacloprid technical 96% w/w min.	TI	429
17.	Azoxystrobin technical 98% w/w min.	TI	429
18.	Tetraconazole technical 95% w/w min	TI	429
19.	Cyazofamide Technical 95% w/w min	TIM	429
20.	Clothianidin Technical 98% w/w min.	TIM	429
21.	Pyraclorobin Technical 96% w/w min	TIM	429
22.	Flubendamide Technical 95% w/w min.	TIM	429
23.	Halosulfuron methyl technical 98% w/w min	TI	430
24.	Diclosulam Technical 94% w/w min.	TIM	430
25.	Tetraconazole 3.8% WG	FIM	430
26.	Metiram 70% WG	FIM	430
27.	Topramezone 336 g/l SC	FIM	430
28.	Bentazone 480 g/l SL	FIM	430
29.	Pymetrozine Technical 97% w/w min	TI	430
30.	Clomazone Technical 93% w/w min.	TI	430
31.	Bispyribac Sodium Technical 95% w/w min	TI	430
32.	Tetraconazole technical 95% w/w min	TI	430
33.	Diclosulam technical 94.1% w/w min	TI	430
34.	Atrazine technical 96% w/w min	TI	431
35.	Difenoconazole technical 95% w/w min	TI	431
36.	Thiodicarb technical 95% w/w min.	TI	431
37.	Bifenthrin technical 97% w/w min.	TI	431
38.	Pyriproxyfen technical 95% w/w	TIM	431
39.	Boscalid technical 98% w/w min.	TIM	432
40.	Paraquat dichloride technical 42% w/w min.	TIM	432
41.	Chlorantranilprole technical 95.50% w/w min.	TIM	432

Annexure- V**List of new/ already registered bio- pesticides approved by registration committee u/s 9(3)/9(3b) of the Insecticide Act 1968.**

Sl. No.	Name of the Bio-pesticide	Name of registrant company	RC no
1.	Trichoderma viride-1.5% WP	M/s Vidarbha Biotech Lab	428
2.	Beauveria bassiana -1.15% WP	M/s Ripuhara Agro Private Ltd.	428
3.	Trichoderma viride 1% WP	M/s Ripuhara Agro Private Ltd.	428
4.	Verticillium Chlamydosporium-1% WP	M/s Ripuhara Agro Private Ltd.	428
5.	Pseudomonas Fluorescens 1.0% WP	M/s Agrilife	428
6.	Trichoderma viride 1.5% WP	M/s Peptech Biosciences Limited	428
7.	Pseudomonas fluorescens 1.0% WP	M/s Peptech Biosciences Limited	428
8.	Verticillium chlamydosporium (Pochonia chlamydosporia) 1.0% WP	M/s International Panaacea Ltd.	428
9.	Trichoderma harzianum 1.0% WP	M/s International Panaacea Ltd.	428
10.	Trichoderma viride 1.5% WP	M/s Som Phytopharma (India) Ltd.	428
11.	Trichoderma viride 1.5% WP	M/s Fengel Crop Sciences	428
12.	Beauveria bassiana-1.15 % WP	M/s Fengel Crop Sciences	428
13.	Pseudomonas Fluorescens-1% WP	M/s Sanjivani Agri Solution	428
14.	Bacillus subtilis-1.5% AS	M/s Maruti Agro Biotech	428
15.	Trichoderma harzianum 1.0% WP	M/s Agrilife	428
16.	Trichoderma harzianum 1.0% WP	M/s Peptech Biosciences Limited	428
17.	Trichoderma harzianum 1.0% WP	M/s Anand Agro Care	428
18.	Trichoderma viride 1.5% WP	M/s Anand Agro Care	428
19.	Verticillium chlamydosporium-1% WP	M/s Anand Agro Care	428
20.	Verticillium lecanii-1.15% WP	M/s Anand Agro Care	428
21.	Pseudomonas fluorescens1% WP	M/s Embio Limited	428
22.	Trichoderma viride 1.5% WP	M/s Embio Limited	428
23.	Trichoderma harzianum 1.0% WP	M/s Ripuhara Agro Pvt. Ltd.	428
24.	Trichoderma viride-1.5% WP	M/s The Peermade Marketing Co-operative Society Ltd.	428
25.	Pseudomonas fluorescens 1.0% WP	M/s Best Crop Science LLP	428
26.	Verticillium lecanii 1.15% WP	M/s Ripuhara Agro Pvt. Ltd.	428
27.	Verticillium chlamydosporium 1.0% WP	M/s Prabhat Fertilizer and Chemical works	428
28.	Trichoderma viride -1.5% WP	M/s Multiplex Bio-tech Pvt. Ltd.	428
29.	Beauveria bassiana-1.15% WP	M/s Anand Agro Care	428
30.	Verticillium Iecanii 1.15% WP	M/s Growtech Agri Science and Research (Pvt. Ltd.,	428
31.	Trichoderma Viride 1.0% AS	M/s. Yash Krishi Takniki Evam Vignyan Kendra	428
32.	Trichoderma viride 1.5% WP	M/s Khandelwal biofertilizer	428
33.	Verticillium chlamydosporium (Pochonia Chlamydosporia) 1.0% WP	M/s Poabs Biotech Pvt. Ltd.	428
34.	Beauveria bassiana 1.15% WP	M/s Patanjali Bio Research	428

		Institute Pvt. Ltd	
35.	Beauveria bassiana 1.15% WP	M/s Poabs Biotech Pvt. Ltd.	428
36.	Pseudomonas fluorescens 1.0% WP	M/s Ganesh Bio-Control System	429
37.	Bacillus subtilis 1.50% Liquid Formulation (LF)	M/s T. Stanes and Company Ltd.	429
38.	Trichoderma viride 1.50% Liquid Formulation (LF)	M/s T. Stanes and Company Ltd.	429
39.	Trichoderma harzianum 1% WP	M/s FishfaBiogenics (A Division of Fishfa Rubber Ltd.,)	429
40.	Trichoderma viride 1.5% WP	M/s Goel Chemicals	429
41.	Trichoderma viride 1.5% WP	M/s Maruti Agro Biotech	429
42.	Pseudomonas fluorescens 1.0% W	M/s Poabs Biotech Pvt. Ltd.	429
43.	Beauveria bassiana 1.15% WP	M/s Crop Life Science Ltd.	429
44.	Pseudomonas fluorescens 1.0% WP	M/s IRM Enterprises Pvt. Ltd.	429
45.	Pseudomonas fluorescens 1.0% WP	M/s Land Marshal Chemical Industries	429
46.	Pseudomonas fluorescens 1.0% WP	M/s Crop Life Science Ltd.	429
47.	Trichoderma viride 1.5% WP	M/s Land Marshal Chemical Industries	429
48.	Verticillium chlamydosporium 1% WP	M/s IRM Enterprises Pvt. Ltd.	429
49.	Beauveria bassiana 1.15% WP	M/s Nova Agri Tech Ltd.	429
50.	Verticillium lecanii 1.15% WP	M/s Nova Agri Tech Ltd.	429
51.	Trichoderma harzianum 1% WP	M/s Pratik Industries	429
52.	Pseudomonas fluorescens 1.0% WP	M/s Pratik Industries	429
53.	Trichoderma viride 1.5% WP	M/s Pratik Industries	429
54.	Trichoderma viride 1.5% WP	M/s Multitech Agro India (OPC) Pvt. Ltd	430
55.	Trichoderma viride 1.5% WP	M/s Mitsumi Agriscience Pvt. Ltd.	430
56.	Pseudomonas fluorescens 1% WP	M/s Krishi Rasayan	430
57.	Verticillium lecanii 1.15% WP	M/s K. N. Biosciences (India) Pvt. Ltd.	430
58.	Beauveria bassiana 1.15% WP	M/s Mitsumi Agriscience Pvt. Ltd.	430
59.	Trichoderma viride 1.5% WP	M/s Aviral Bio-Tech & Fertilizers Pvt. Ltd.	430
60.	Trichoderma viride 1.5% WP	M/s Star Herbal Agro Solution Pvt. Ltd.	430
61.	Trichoderma harzianum 1% W	M/s Mitsumi Agriscience Pvt. Ltd.	430
62.	Pseudomonas fluorescens 1% WP	M/s Green India Care	430
63.	Verticillium chlamydosporium 1% WP	M/s Fishfa Biogenics (A division of Fishfa Rubber Ltd.)	430
64.	Trichoderma harzianum 1% WP	M/s Siddaganga Oil and Bio Industries LLP	430
65.	Pseudomonas fluorescens 1% WP	M/s Urjit Biotech Pvt. Ltd.	430
66.	Verticillium lecanii 1.15% WP	M/s Mitsumi Agrisciences Pvt. Ltd.	430
67.	Pseudomonas fluorescens 1% WP	M/s Symbiotics Biological	430
68.	Trichoderma viride 1.5% WP	M/s Star Fishfa Biogenics (A Division of Fishfa Rubber Ltd.,)	430
69.	Verticillium lecanii 1.15% WP	M/s Greenlife Biotech Laboratory	430
70.	Pseudomonas fluorescens 1% WP	M/s Surya Bio Products	430

71.	Trichoderma viride 1% WP	M/s Daieco Products	430
72.	Trichoderma viride 1.5% WP	M/s Nova Agri Tech Ltd.	430
73.	Trichoderma viride 1% WP	M/s Agrolab Biological System	430
74.	Trichoderma viride 1.5% WP	M/s Excellent Crop Care	431
75.	Trichoderma viride 1.5% WP	M/s State Bio Control Laboratory	431
76.	Trichoderma viride 1.5% WP	M/s IRM Enterprises Pvt. Ltd.	431
77.	Trichoderma viride 1.5% WP	M/s Rohini Bio Agents	431
78.	Trichoderma viride 1.5% WP	M/s Surya Bio Products	431
79.	Trichoderma viride 1.5% WP	M/s Oshnic Crop Science Ltd.	431
80.	Trichoderma viride 1.5% WP	M/s Clover Organics Pvt. Ltd.	431
81.	Pseudomonas fluorescence 1% WP	M/s Parasmoni Organic & Agri Product Pvt. Ltd.	431
82.	Pseudomonas fluorescence 1% WP	M/s Samitha Soil Solution	431
83.	Pseudomonas fluorescence 1% WP	M/s Jay Research and Biotech India Pvt. Ltd.	431
84.	Pseudomonas fluorescence 1% WP	M/s State Bio Control Laboratory	431
85.	Beauveria bassiana 1.15% WP	M/s Clover Organic Pvt. Ltd.	431
86.	Beauveria bassiana 1.15% WP	M/s MD Biocoals Pvt. Ltd.	431
87.	Verticillium lecanii 1.15% WP	M/s Total Agri Care Concern Pvt. Ltd.	431
88.	Trichoderma harzianum 1.0% W	M/s Nova Agri Tech Ltd.	431
89.	Pseudomonas fluorescence 1% WP	M/s Prakriti Biotech	431
90.	Beauveria bassiana 1.15% WP	M/s Siddhi Industries	431
91.	Beauveria bassiana 1.15% WP	M/s Rinati Crop Protection Pvt. Ltd.	432
92.	Beauveria bassiana 1.15% WP	M/s Urjit Biotech Pvt. Ltd	432
93.	Beauveria bassiana 1.15% WP	M/s Krishi Bio Products and Research Pvt. Ltd.	432
94.	Beauveria bassiana 1.15% WP	M/s Omni Agro Chemicals Pvt. Ltd.	432
95.	Beauveria bassiana 1.15% WP	M/s Green India Care	432
96.	Verticillium lecanii 1.15% WP	M/s Ami Agro Agency	432
97.	Verticillium lecanii 1.15% WP	M/s Green India Care	432
98.	Verticillium lecanii 1.15% WP	M/s Omni Agro Chemicals Pvt. Lt	432
99.	Verticillium lecanii 1.15% WP	M/s Krishi Bio Products and Research Pvt. Ltd.	432
100.	Verticillium lecanii 1.15% WP	M/s Urjit Biotech Pvt. Ltd.	432
101.	Trichoderma harzianum 1.0% WP	M/s Green India Care	432
102.	Trichoderma harzianum 1.0% WP	M/s Urjit Biotech Pvt. Ltd.	432
103.	Trichoderma viride 1.5% WP	M/s Parasomni Organic and Agri Products Pvt. Ltd.	432
104.	Trichoderma viride 1.5% WP	M/s Crop Life Sciences Ltd.	432
105.	Trichoderma viride 1.5% WP	M/s Rinati Crop Protection Pvt. Ltd.	432
106.	Trichoderma viride 1.5% WP	M/s Green India Care	432
107.	Trichoderma viride 1.5% WP	M/s Urjit Biotech Pvt. Ltd	432
108.	Verticillium chlamydosporium 1% WP	M/s Green India Care	432
109.	Verticillium chlamydosporium 1% WP	M/s Jay Research and Biotech India Pvt. Ltd.	432

110.	Trichoderma viride 1% WP	M/s East Cost Bio-tech	432
111.	Trichoderma viride 1% WP	M/s Green India Care	432
112.	Pseudomonas fluorescence 1% WP	M/s PSR Enterprises	432
113.	Pseudomonas fluorescence 1% WP	M/s Omni Agro Chemicals Pvt. Ltd	432

Annexure-VI**List of Additional packing for approved pesticides**

S.N	Product Name	Company Name	Endorsement approved by RC	RC meeting no.
1.	Prallethrin 0.05% Mosquito Coil	M/sGodrej Consumer Products Limited	Primary packing: Coil to be packed in polyethene bag of 23 cm x 18.5 cm of thickness not less than 0.062 mm. The capacity of each polyethene bag shall be of 5 no. of coils. The polymer used for the natural film shall have a melt flow index 15 g/10 min max. The density of the film at 27°C shall be 0.913 to 0.923 g/ml. The above polyethene bag shall be heat sealed to make it leak proof and pilfer proof. Secondary packing: Pack of 14 coils (7 double coils) packed in polyethene bag shall be put in a secondary pack carton made of duplex cardboard. (LxBxH - 150mm x 150mm x 28mm (+10mm). Transport packing: 36 cartons shall be packed in 5 ply corrugated fiber board box of dimension (LxBxH-472mm x 314mm x 196 mm (± 20 mm). The box shall be sealed by BOPP tape. The corrugated boxes shall comply IS: 2771 (Part-I)-1975.	427
2	Chlorantranil iprole 4.3% + Abamectin 1.7% w/w SC	M/s Syngenta India limited	Proposed packing system shall be in HDPE container of capacity 20ml, 100ml, 250ml, 500ml, 1 Liter as a primary packing conforming to IS: 9754:1981. Secondary Packing: There is no Secondary packing. Transport packing: CFB box is used for transport packing as per IS: 2771 (Part-1): 1990 the maximum capacity of CFB boxes is 2 Liters, 5 Liters and 10 Liters (20ml x 100= 2 Liters.; 50ml x 100nos.= 5 Liters; 250ml x 40=10Liter and 1 Liter x 10=10 Liters)	428
3.	Fipronil Technical 92% minimum	M/s. Gharda Chemicals Limited	(1) For Corrugated Fiberboard box up to 18kg capacity: The Fipronil Technical will be packed in LDPE liner (having dimension Length: 1220±20mm & width: 675±20mm) of thickness not less than 0.12mm confirming to IS: 2508:1984 & amendment thereof (if any) having leak proof closure system. The capacity of LDPE liner shall be 18kg. This shall be individually packed in 5-ply Corrugated Fiberboard box confirming to IS: 2771 (I):1990 of 18kg capacity. The packing shall also confirm to the general requirements given in IS: 8190(I):1988 and its amendments or revision thereof. (2) For Octagonal Corrugated Fiberboard box up to the capacity of 190kg: The Fipronil Technical shall be packed in FIBC of conductive Aluminium Liner having LDPE flat film/ liner (having dimension Length: 910±10mm, Height 1300±20mm & width: 910±10mm)of capacity 190kg. This shall be individually packed in 7-ply Octagonal Corrugated Fiberboard box confirming to IS: 2771 (I):1990 of 190kg capacity in the dimensions of Length 1070±5mm, width 1070±5mm & height 870±5mm. The packing shall also confirm to the general requirements given in IS: 8190(I):1988 and its amendments or revision thereof.	428
4.	Mandipropamid 23.4% SC	M/s. Syngenta India limited	Primary Packaging: The product shall be packed in HDPE bottle conforming to the specification of capacity 40 ml and 80 ml. The specification of the primary container is as under;	428

			<p>Secondary packing: Individual HDPE bottles of capacity 40 ml and 80 ml will be further packed in individual duplex carton confirming to the specification.</p> <p>Transport packing: Duplex cartons shall be further packed in corrugated Fiberboard Box (5-ply) confirming to IS 2771: Part 1: 1990. Configuration of packs in transport pack will be as under: 40 ml pack X 40 nos. = 1.6 Litre; 80 ml pack X 50 nos. = 4 Litre</p>	
5.	Fluxapyroxad 250 g/l + Pyraclostrobin 250 g/l SC	M/s. BASF India limited	The product Fluxapyroxad 250 g/l + Pyraclostrobin 250 g/l SC will be imported in 220 Liter capacity in HDPE tight head drums as per UN Certificate: UN 1H1/Y1.8/200/...	428
6.	Thiamethoxam 30% FS	M/s. Crystal Crop Protection Limited	alternate primary packing of capacity 20 liters in HDPE container (bucket) as per IS 2798: 1998 closed by cap with PP plug sealing and 5-ply Corrugated Fiber Board (CFB) Box closed by BOPP tape as a transport packing conforming to IS: 2771 (I): 1990 in the certificate of registration.	428
7.	Propargite 57% EC	M/s. PI Industries Ltd	<p>The finished product shall be packed in Co-Ex HDPE Bottles of different capacities from 100 ml, 250 ml, 500 ml, 1000 ml and 5000 ml. The manner of packaging of Propargite 57 % EC shall be as per IS: 8190 (Part II) 1988. Requirements of packaging of pesticides (Part II) liquid pesticides (Second revision). Proposed packaging systems for packaging of Propargite 57 % EC shall consist of Primary, Secondary and Transport packaging.</p> <p>Primary packing: The finished product (Propargite 57 % EC) shall be packed in Co-Ex HDPE Bottles and shall be free from pinholes, patches, cracks, dents, dirt, glass particles or any other unwanted foreign particles. The bottle shall be closed by leak proof closure cap from top.</p> <p>Secondary packing: The primary packing of 100ml and 250ml shall be further packed into carton boxes. There will be no secondary packing for 500ml, 1000ml and 5000ml packing.</p> <p>Transport packing: The secondary packing of 100ml and 250ml capacity & primary packing of 500ml, 1000ml and 5000ml capacity will be further packed in 5-ply box as a transport packing, which conforms to IS 2771 (I): 1991. The stitching of the boxes shall be of 30mm width, stapled with rust free staples.</p>	428
8.	Tolfenpyrad 15% EC	M/s PI Industries Limited	<p>The finished product shall be packed in Co-Ex HDPE Bottles of different capacities from 50 ml, 100 ml, 200ml, 250 ml, 500 ml, 1000 ml and 5000 ml. The manner of packaging of Tolfenpyrad 15% 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 Tolfenpyrad 15% EC shall consist of Primary, Secondary and Transport packaging.</p> <p>Primary packing: The finished product (Tolfenpyrad 15% EC) shall be packed in Co-Ex HDPE Bottles and shall be free from pinholes, patches, cracks, dents, dirt, glass particles or any other unwanted foreign particles. The bottle shall be closed by leak proof closure cap from top. Secondary packing: The primary packing of 50ml, 100ml, 200ml, and 250ml capacity will be further packed in carton box (300GSM) as a secondary packing.</p>	430

			<p>There will be no packing for 500ml, 1000ml and 5000ml capacity.</p> <p>Transport packing: Printed cartons comprising the secondary pack in the capacity of 50ml, 100ml, 200ml & 250ml and primary packing of 500ml, 1000ml & 5000ml capacity are to be in turn packed in corrugated boxes which conforms to IS2771 (Part –1), 1991 specifications for CFB. The stitching of the boxes shall be of 30 mm width, stapled with rust free staples.</p>	
9.	Bispyribac Sodium 10% SC	M/sPI Industries Limited	<p>Bispyribac Sodium 10% SC 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 Bispyribac Sodium 10% SC shall consist of Primary, Secondary and Transport packaging.</p> <p>Primary packing: The finished product Bispyribac Sodium 10% SC shall be packed in PET Bottles of 5ml, 10ml, 20ml, 40ml, 50ml, 80ml, 100ml, 200ml, 250ml 400ml, 500ml, and 1000ml capacity and shall be free from pinholes, patches, cracks, dents, dirt, glass particles or any other unwanted foreign particles. The bottle shall be closed by leak proof closure cap from top.</p> <p>Secondary packing: The primary pack of 5ml, 10ml, 20ml, 40ml, 50ml, 80ml, 100ml, 200ml, 250ml capacity shall be further packed into mono carton (300GSM) boxes as a secondary packing.</p> <p>Transport packing: Secondary packing of capacity from 5ml to 250ml and primary packing of 400ml, 500ml and 1000ml capacity shall be further packed in CFB box, which conforms to IS 2771(I):1991. The stitching of the boxes shall be of 30mm width, stapled with rust free staples.</p>	430
10.	Metalaxyl-M 4% + Mancozeb 64% WP	M/s Syngenta India Limited	<p>Primary packing: The product shall be packed in Trilaminare pouches (polyester top layer/metallised PET middle layer/LDPE inner layer-12μ/12μ/15μ) conforming to the specification of capacity 50gm, 100gm, 250gm, 400gm, 500gm & 1kg.</p> <p>Transport Packaging: The Trilaminare pouches shall be further packed in 5 ply corrugated Fiberboard Box conforming to IS 2771: Part 1: 1990.</p>	430
11.	Profenofos 50% EC	M/s P I Industries Limited	<p>The manner of packaging of Profenofos 50% EC shall be as per IS: 8190 (Part II): 1988. Requirement of packaging of pesticides (part II) liquid pesticides (second revision) and 19mendment thereof. The proposed packing system for packaging of Profenofos 50% EC shall consist of primary, secondary and transport packing.</p> <p>Primary packing: The finished product shall be packed in Co-Ex HDPE bottles (HDPE/COEX-PE/EVOH) in the capacity of 100ml, 250ml, 500ml, 1000ml and 5000ml and shall be free from pinhole, patches, cracks, dents, dirt, glass particle or any other unwanted foreign particles. The bottle shall be closed by leak proof closure cap from top.</p> <p>Secondary packing: The primary pack of 100ml and 250ml capacity shall be further packed into carton boxes (300GSM) as a secondary packing.</p> <p>Transport packing: The secondary pack of Printed cartons of 100ml and 250ml capacity and primary packing of 500ml, 1000ml and 5000ml capacity will be further packed in 5-ply corrugated fibre board box conforms to IS 2771 (I): 1991 as a transport packing. The stitching of the boxes shall be of 30mm width, stapled with rust free staples.</p>	430

12.	Novaluran 5.25 % + Emamectin benzoate 0.9% w/w SC	M/s UPL Limited	The Novaluron 5.25% + Emamectin Benzoate 0.9% w/w SC shall be packed in HDPE drum 200 Liters capacity (Total height X diameter in mm- 920 X 590, wall thickness 4.0mm) as a primary, secondary and transport packing. There are no separate secondary and transport packing. The HDPE drum is of Blue color. At the top of drum, two uniform openings provided with matching bungs for leak proofness shape of the drum should be round with two grooves on the body. Standard of the drum as per IS:6312-1994.	430
13.	Glyphosate Technical 95% w/w min	M/s. Parijat Industries (India) Pvt. Limited	Alternate packing in a woven bag of 25kg capacity as a primary/transport packing with inside transparent PE film bag for import of Glyphosate Technical as per IMDG UN No. 3077 Class-9, packaging group III. and Endorsement for alternate packing for import in Woven bags of capacity 600 kg as primary/transport packing conforming as per IMDG UN No. 3087 Class-9, packaging group III.	431
14.	Novaluron 5.25% + Indoxacarb 4.5% w/w (SC)	M/s UPL Limited	The Novaluron 5.25% + Indoxacarb 4.5% w/w (SC) shall be packed in HDPE drum 200 Liters capacity (Total height X diameter in mm- 920 X 590, wall thickness 4.0mm) as a primary, secondary and transport packing. There are no separate secondary and transport packing. The HDPE drum is of Blue color. At the top of drum, two uniform openings provided with matching bungs for leak proofness shape of the drum should be round with two grooves on the body. Standard of the drum as per IS: 6312-1994.	431
15.	Glyphosate Technical 95% min	M/S Anu Products Ltd.	Product will be exported in woven bag of HDPE with polythene liner of 600 kg capacity. The packing will meet the minimum requirement as per UN No. 3077 and packing group III, hazard class – 9 as well as conforming to Chinese standard GB/T-4456-2008. This will be further inserted in plastic woven sack (pp) of the same capacity (600 kg).	431
16.	Betacyfluthrin 8.49%+ Imidacloprid 19.81% w/w OD	M/s Bayer CropScience Limited	(1) alternate bulk packing in 200 Lit capacity in Mild steel (MS) composite drum made up of HDPE and (2) alternate bulk packing in 1000 Liters capacity in Intermediate Bulk Container (IBC) made up of HDPE	432
17.	Flubendiamide 8.33% + Deltamethrin 5.56% w/w (SC)	M/s Bayer CropScience Limited,	alternate bulk packing in 200 liters capacity in MS composite drum made up of HDPE and alternate bulk packing in capacity 1000 liters in an intermediate bulk container (IBC) made with HDPE	432
18.	Bispyribac Sodium 10% SC	M/s PI Industries Ltd	alternate packaging for repacking in spout pouch with capacity 5ml, 10ml, 20ml, 40ml, 50ml, 80ml, 200ml, 250ml, 400ml, 500ml and 1 lit as a primary packing, followed by Duplex Board Carton boxes for pack size up to 250 ml as a secondary packing and 5-ply CFB box as a transport packing conforming to IS:2771 (Part-1), 199	432
19.	Cyclanilide 2.10% w/w +Mepiquat chloride 8.40% w/w SC	M/s Bayer CropScience Limited	alternate bulk packing in 200 liters capacity in MS composite drum made up of HDPE and alternate bulk packing in capacity 1000 liters in an intermediate bulk container (IBC) made with HDPE	432

Annexure-VII**Enhancement of Shelf Life of Pesticides Registered u/s 9(4)**

Sl. No.	Applicant (M/s)	Product Name	RC Number	Decision
1.	Heli Electro Solutions Pvt.Ltd	Neem kernal based EC containing Azadirachtin 0.3% w/w min. (3000PPM)	428	One Year to Two Years
2.	Heli Electro Solutions Pvt.Ltd	Neem Seed kernal based EC containing Azadirachtin 1% (10000 PPM) min.	428	One Year to Two Years
3.	Yogleela Sulphur and AGChemIndutries Private Limited	Sulphur 80% WP	428	One Year to Two Years
4.	GreencrossAgro Chemicals Pvt Ltd	Carbendazim 12% + Mancozeb 63% WP	428	One Year to Two Years
5.	Best Agrolife Limited	Ziram 80% WP	428	One Year to Two Years
6.	GreencrossAgro Chemicals Pvt Ltd	Monocrotophos 36% SL	428	One Year to Two Years
7.	Yogleela Sulphur and AGChemIndutries Private Limited	Emamectin Benzoate 5% SG	428	One and Half Year to Two Years
8.	JU Agri Sciences Private Limited	Neem Seed kernal based EC containing Azadirachtin 1% (10000 PPM) min.	428	One Year to Two Years
9.	JU Agri Sciences Private Limited	Malathion 50% EC	428	One Year to Two Years
10.	JU Agri Sciences Private Limited	Neem Oil kernal based EC containing Azadirechtin 0.03% (300 PPM)	428	One Year to Two Years
11.	JU Agri Sciences Private Limited	Profenofos 40% + Cypermethrin 4% EC	428	One and Half Year to Two Years
12.	JU Agri Sciences Private Limited	Profenofos 50% EC	428	One and Half Year to Two Years
13.	JU Agri Sciences Private Limited	Quinalphos 25% EC	428	One Year to Two Years
14.	Best Agrolife Limited	Carbendazim 50% WP	428	Two Years to Five Years
15.	Best Agrolife Limited	Ethephon 39% SL	428	One Year to Two Years
16.	Best Agrolife Limited	Diuron 80% WP	428	One Year to Two Years
17.	Best Agrolife Limited	Fipronil 0.3% G. R.	428	One Year to Two Years
18.	Best Agrolife Limited	Fipronil 4% w/w + Thiamethoxam 4% w/w SC	428	One and Half Year to Two Years
19.	Best Agrolife Limited	Fipronil 5% SC	428	One Year to Two

				Years
20.	Best Agrolife Limited	Flusilazole 40% EC	428	As per the approved registration certificate vide F. No. 28841-F/9(4)/2013, the shelf life of the product is already Two years
21.	Best Agrolife Limited	Carbendazim 12% + Mancozeb 63% WP	428	One Year to Two Years
22.	Best Agrolife Limited	Profenophos 50% EC	428	One and Half Year to Two Years
23.	DVS Chemical and Engineering Industries	Carbendazim 50% WP	428	Two Years to Five Years
24.	Best Agrolife Limited	Thiram 75% WS	428	One Year to Two Years
25.	Best Agrolife Limited	Malathion 50% EC	428	One Year to Two Years
26.	Best Agrolife Limited	Metalaxyl 35% WS	428	One Year to Two Years
27.	GreencrossAgro Chemicals Pvt Ltd	Diafenthiuron 50% WP	428	One Year to Two Years
28.	Best Agrolife Limited	Ziram 27% SC	428	One Year to Two Years
29.	GreencrossAgro Chemicals Pvt Ltd	Dimethoate 30% EC	428	One Year to Two Years
30.	GreencrossAgro Chemicals Pvt Ltd	Profenophos 50% EC	428	One and Half Year to Two Years
31.	GreencrossAgro Chemicals Pvt Ltd	Sulphur 80% WP	428	One Year to Two Years
32.	Best Agrolife Limited	Mancozeb 75% WP	428	One Year to Two Years
33.	Best Agrolife Limited	Pendimethalin 38.7% CS	428	One Year to Two Years
34.	Best Agrolife Limited	Metribuzin 70% WP	428	One Year to Two Years
35.	Best Agrolife Limited	Sulphur 80% WP	428	One Year to Two Years
36.	M/s GeolifeAgritech India Pvt Ltd	Emamectin Benzoate 5% SG	428	One and Half Year to Two Years
37.	GreencrossAgro Chemicals Pvt Ltd	Quinalphos 25%EC	428	One and Half Year to Two Years
38.	Hpm Chemicals & Fertilizers Limited	Neem Seed Kernel Based EC Containing Azadirachtin- 1% (10000 ppm) min.	431	One Year to Two Years
39.	Hpm Chemicals & Fertilizers Limited	Fipronil 4% w/w + Thiamethoxam 4% w/w SC	431	One Year and Six Months to Two Years

40.	Best Agrolife Limited	Quinalophos 25% EC	431	One Year to Two Years
41.	Best Agrolife Limited	Dimethoate 50% EC	431	One Year to One and Half Years
42.	Best Agrolife Limited	Acephate 50% + Imidacloprid 1.8% SP	431	One Year to Two Years
43.	Nexus Crop Science Private Limited	Ethephon 39% SL	431	One Year to Two Years
44.	A.B. Chem India	Profenofos 40% + Cypermethrin 4% EC	431	One Year to Two Years
45.	Nexus Crop Science Private Limited	Emamectin Benzoate 5% SG	431	One Year and Six Months to Two Years
46.	Prism Crop Science Pvt. Ltd.	Fipronil 4% w/w + Thiamethoxam 4% w/w SC	431	One Year and Six Months to Two Years
47.	Gharda Chemicals Limited	Quinalophos 25% EC	431	One Year to Two Years
48.	Tropical Agrosystems (India) Pvt. Ltd.	Dimethoate 50% EC	431	One Year to One and Half Years
49.	Anmol Agrotech Industries	Mancozeb 75% WP	431	One Year to Two Years
50.	Anmol Agrotech Industries	Carbendazim 12% + Mancozeb 63% WP	431	One Year to Two Years
51.	Anmol Agrotech Industries	Monocrotophos 36% SL	431	One Year to One and Half Years
52.	Nexus Crop Science Private Limited	Monocrotophos 36% SL	431	One Year to One and Half Years
53.	Anmol Agrotech Industries	Fipronil 5% SC	431	One Year to Two Years
54.	GSP Crop Science Pvt. Ltd.	Profenofos 40% + Cypermethrin 4% EC	431	One and Half Year to Two Years
55.	Nexus Crop Science Private Limited	Carbendazim 12% + Mancozeb 63% WP	431	One Year to Two Years
56.	Greencross Agro Chemicals Pvt Ltd	Profenofos 40% + Cypermethrin 4% EC	431	One and Half Year to Two Years
57.	Prism Crop Science Pvt. Ltd.	Profenofos 40% + Cypermethrin 4% EC	431	One and Half Year to Two Years
58.	Coromandel International Limited	Malathion 50% EC	431	One Year to Two Years
59.	Crop Chemicals India Ltd	Malathion 50% EC	431	One Year to One and Half Years
60.	BR Agrotech ltd	Pendimethalin 38.7% CS	431	One Year to Two Years
61.	Coromandel International Limited	Mancozeb 75% WP	431	One Year to Two Years
62.	Prism Crop Science Pvt. Ltd.	Acephate 50% + Imidacloprid 1.8% SP	431	One Year to Two Years
63.	Greencross Agro Chemicals Pvt Ltd	Mancozeb 75% WP	431	One Year to Two Years

64.	Vijaya Agro Industries	Neem Seed Kernel Based EC containing Azadirachtin - 1% (10000 PPM) min.	432	One Year to Two Tears
65.	Vijaya Agro Industries	Neem Kernel Based EC containing Azadirachtin - 0.3 % (3000 PPM) min.	432	One Year to Two Tears
66.	Vijaya Agro Industries	Neem Oil Based EC containing Azadirachtin - 0.03 % (300 PPM) min.	432	One Year to Two Tears
67.	Tropical Agrosystems (India) Pvt. Ltd.	Fipronil 0.3% GR	432	One Year to Two Tears
68.	Synwood Agro Limited	Quinalophos 25% EC	432	One Year to Two Tears
69.	Tropical Agrosystems (India) Pvt. Ltd.	Monocrotophos 36% SL	432	One Year to Two Tears
70.	Tropical Agrosystems (India) Pvt. Ltd.	Thiram 75% WS	432	One Year to Two Tears
71.	See Ciba Crop Sciences	Quinalphos 25% EC	432	One Year to Two Tears

Annexure – VIII

Import permits issued for Multiuse/Dual-use Pesticides (for Non-Insecticidal purpose)

Multi – use insecticides (Boric Acid) 428 RC

Sr. No.	Applicant	Decision of the Registration Committee
1	M/s ArtekSurfin Chemicals Ltd., Mumbai	40 MT of Boric Acid to manufacture of Electroplating chemicals and salts
2	M/s Madras Fluorine Pvt. Ltd	350 MT of Boric Acid, to manufacture KBF ₄ , NaBF ₄ , Pb(BF ₄) ₂ , Cu(BF ₄) ₂ , Sn (BF ₄) ₂ and Fluoroboric Acid
3	M/s Aries agro Ltd.,	400 MT Boric Acid to manufacture Single and Multi-micro nutrient Fertilizers, borax, Di-sodium Octa Borate Tetra hydrate and Di-sodium Octa Borate Penta hydrate
4	M/s Shreenath Ceramics Industries,	375 MT of Boric Acid to be used as raw material for the manufacture of ceramic Glaze Mix Frit.
5	M/s Hindustan Zircon	125 MT of Boric Acid, to be used as raw material for the manufacture of ceramic Glaze Mix Frit

Multi – use insecticides (Other than Boric Acid) 428 RC

Sr. No.	Applicants	Decision of the Registration Committee
1	M/s Swati Menthol and Allied Chemicals Ltd.,	250 MT of Eucalyptol For manufacturing of Rectified Eucalyptus oil, Cineole, Rectified Eucalyptol & Eucalyptus oil Extra pure, Cajuput Oil
2	M/s Bharat Rasayan Ltd.,	450 MT of Carbon Tetra Chloride, For manufacturing of DV acid chloride, an intermediate for Cypermethrin, Alpha Cypermethrin and Deltamethrin
3	M/s Hemani Industries Limited	680 MT of Ethylene Di Chloride For manufacturing of MetaPhenoxyBenzaldehyde
4	M/s Hemani Industries Limited	800 MT of Ethylene Di Chloride For manufacturing of MetaPhenoxyBenzaldehyde
5	M/s Hemani Industries Limited	1900 MT Acrylonitrile For manufacturing of DV- Acid Chloride / CMAC
6	M/s Natural Aerogas Pvt. Ltd.,	06 MTPiperonylButoxide (PBO) For manufacturing of Aerosol Spray (Household Pesticides), air freshener spray, perfumes and deodorants and silicon spray
7	M/s Lucky Chemical Industries	1350 MT Yellow Phosphorus for manufacturing of Phosphorus tri chloride, Phosphorus oxy chloride and Phosphorus penta oxide.
8	M/s Tagros Chemicals India Private Limited,	600 MT Ethylene Di Chloride for manufacturing of Cypermethrin Technical

		and its intermediate
9	M/s Tagros Chemicals India Private Limited,	1950 MT Ethylene Di Chloride for manufacturing of Sulfentrazone and Dicamba Technical

Multi – use insecticides (Boric Acid) 429 RC

Sr. No.	Applicant	Decision of the Registration Committee
1	M/s Nahar Colours & Coatings Pvt. Limited	650 MT of Boric Acid 56.3% for manufacturing of Ceramic Glaze Frit/ Glaze Mix
2	M/s Spire CeraFrit Pvt. Ltd.,	250 MT of Boric Acid for the production of Ceramic Glaze Mixture Frit

Multi – use insecticides (Other than Boric Acid) 429 RC

Sr. No.	Applicant	Decision of the Registration Committee
1	M/s Punjab Chemicals & Crop Protection Ltd.,	570 MT of Yellow Phosphorus 99.5%, for manufacturing of Phosphoric Acid & Phosphorus Pentoxide
2	M/s Bharat Rasayan Limited	290 MT of Sodium Cyanide 98%, for manufacturing of Cypermerthrin Tech., Fenvalerate Tech., ParaChloro Benzyl Cyanide, Lambda Cyhalothrin Tech., ParaChloro Phenyl Acetic Acid
3	M/s NOCIL Limited,	2000 MT of Carbon Disulphide for manufacturing of Rubber Chemicals namely CBS
4	M/s Black Rose Industries Limited,	11870 MT of Acrylonitrile 99%, for manufacturing of finished products Acrylamide, polyacrylamide (powders and liquids), N-methylol acrylamide
5	M/s Inventys Research Company Pvt. Ltd.	225 MT of Sodium Cyanide for manufacturing of S-Methyl Phenyl Glycine Methyl Ester
6	M/s Forrest Corp Naroda, Ahmedabad	7440 MT of Nitrobenzene 99.5%, for manufacturing of Metanilic Acid, Resist salt, Rubber chemicals, Dyes etc.
7	M/s Metco Resources, Mumbai	17053 MT of Nitrobenzene for production of Resist Salt, Meta Amino Phenol, Metanilic Acid and 4 Amino Diphenyl Amine

Multi – use insecticides (Other than Boric Acid) 430 RC

Sr. No.	Applicant	Decision of the Registration Committee
1	M/sKrydel Chem Private Limited	500 MT of Yellow Phosphorus to manufacture Phosphorus Trichloride
2	M/s Heranba Industries Limited,	330 MT of Sodium Cyanide to manufacture Alphacypermethrin and Cypermethrin Technical
3	M/s Hemani Industries Limited, Mumba	1920 MT of Sodium Cyanide to manufacture Lambda- Cyhalothrin, DeltamethrinCy permethrin and Alphacypermethrin Technical
4	M/s Punjab Chemicals & Crop Protection Limited,	140 MT of Sodium Cyanide to manufacture drugs/ API products
5	M/s Asian ChemtechPvt. Ltd.,	400 MT Potassium Cyanide for Domestic Trading Purpose
6	M/s Yamuna Metachem, Rajkot	700 MT of Sodium Cyanide to manufacture Brass Salt, Copper cyanide, Zinc Cyanide and Copper, Zinc Salts
7	M/s Yamuna Metachem,	150 MT of Potassium Cyanide to manufacture Brass Salt, Copper cyanide, Zinc Cyanide and Copper, Zinc Salts

Multi – use insecticides (Boric Acid) 431 RC

Sr. No.	Applicant	Decision of the Registration Committee
1	M/s Welsuit Glass and Ceramic Pvt.Ltd., Gujarat	Approved 400 MT Boric Acid for manufacturing of Ceramic Glaze Mixture Frit.
2	M/s Welsuit Glass and Ceramic Pvt.Ltd. Bharuch 392110, Gujarat	Approved 200 MT Boric Acid for manufacturing of Ceramic Glaze Mixture Frit.
3	M/s Belgium Glass & Ceramics Pvt. Ltd.	Approved 100 MT Boric Acid for manufacturing Ceramic Glaze Frit/ Glaze Mix
4	M/s Shrusti Ceramics Pvt. Ltd. Bharuch, Gujarat,(India)	Approved 15 MT Boric Acid for manufacturing of Ceramics Glaze Mixture Frit.

Multi – use insecticides (Other than Boric Acid) 431 RC

Sr. No.	Applicant	Decision of the Registration Committee
1	M/s Techno Commercial Traders.	Approved 300 MT Sodium Cyanide for Domestic Trading
2	M/s Techno Commercial Traders.	Approved 45 MT Potassium Cyanide for DomesticTrading
3	M/s Eurofine Chemicals Raigad, Maharashtra.	Approved 400 MT Sodium Cyanide for manufacturing Cuprous and Zinc Cyanide
4	M/s Divi's Laboratories Limited, Visakhapatnam District. 531162 Andhra Pradesh	Approved 70 MT Sodium Cyanide for manufacturing of Dextro methorphanHbr and Irbesartan.

5	M/s Harsh Laxmi Chemisol Private Limited, Jhagadia, Dist. Bharuch, Gujarat	Approved 1735MT Nitro Benzene for manufacturing of Di-Nitrobenzene
6	M/s Asian Chemtech Pvt. Ltd.	Approved 850 MT Sodium Cyanide for Domestic Trading
7	M/s METCO Resources	Approved 8388 MT Nitro Benzene For manufacturing of Resist Salt, Metanilic Acid (Liquid and powder)
8	M/s Tina Organics Pvt. Ltd	Approved 80.062 MT Yellow Phosphorus for manufacturing of Phosphate Esters

Multi – use insecticides (Boric Acid) 432 RC

Sr. No.	Applicant	Decision of the Registration Committee
1	M/s Supreme Glazes Pvt. Ltd.	Approved 350 MT of Boric Acid for manufacturing of Ceramic Glaze Mixture Frit.
2	M/s Zirconia Cera Tech Glazes,	Approved 150 MT of Boric Acid for manufacturing of Ceramic Glaze Mixture Frit.
3	M/s Shruti Ceramics Pvt. Ltd	Approved 50 MT of Boric Acid for manufacturing of Ceramic Glaze Mixture Frit

Multi – use insecticides (Other than Boric Acid) 432 RC

Sr. No.	Applicant	Decision of the Registration Committee
1	M/s Bayer Vapi Pvt. Ltd.	Approved 410 MT of Ethylene Dichloride for manufacturing of Cypermethrin Acid, Becisthemic acid, Deltamethrin and Transfluthrin
2	M/s Bayer Vapi Pvt. Ltd.	Approved 1050 MT Acrylonitrile for manufacturing of intermediate cypermethrin Acid Chloride
3	M/s Bayer Vapi Pvt. Ltd	Approved 400 MT Sodium Cyanide for manufacturing of Cypermethrin, Alphacypermethrin, Cyfluthrin, Betacyfluthrin, Deltamethrin and Flumethrin
4	M/s DD Shah Fragrances Pvt. Ltd.	Approved 35 MT Eucalyptus Oil To be used as flavouring compound and reconstituted essential oils
5	M/s Anupam Rasayan India Ltd	Approved 1500 MT of 2,6-Dichloro Benzonitrile To be used as raw material in Pharma Industry
6	M/s Tagros Chemicals India Private Limited	Approved 415 MT of Acrylonitrile for manufacturing of Cypermethrin acid chloride (DV acid Chloride).

Annexure-IX**List of registered Pesticides under 9(3) and 9(3) label Expansion along with waiting Period :****Entomology/Pathology/ Weed Science**

S. No.	RC No.	File No.	Company Name	Product Name	Crop	Waiting Period/ PHI (days)
1	427	8102/F/9(3)/2017-CIR-II	M/s Adama India Pvt. Ltd.	Prochloraz 39.6% w/w EC	Rice	26
2	427	10265 F/9(3)/2018	M/s UPL Limited	Tebuconazole 15% + Zineb 57% WDG	Paddy	21
					Chilli	28
3	427	2799-B/F/(3b)/2020	M/s ICAR-Central institute for Subtropical Horticulture	Trichoderma reesei 3.0 % W.P.	Banana	Bio pesticide
4	427	9049-FI/9(3)/2017	M/s PI Industries Ltd	Polyoxin-D Zinc salt 5% SC	Grape	-
					Rice	-
5	427	9838-END/2018	M/s ADAMA India Pvt. Ltd	Azoxystrobin 7.5% + Propiconazole 12.5% SE	Groundnut	19
					Soybean	26
					Maize	11
6	427	9920-END/2018	M/s E.I.Dupont India Pvt Ltd	Oxathiapiprolin 10.1% w/w OD	Gherkin	3
7	427	11076-END/2019	M/s T. Stanes and Company	Trichoderma viride 1.15% WP	Chilli	Bio pesticide
8	427	11158-END/2019	M/s T. Stanes and Company	Pseudomonas fluorescens 1.75% WP	Tomato	Bio pesticide
9	428	11727-F/9(3)/2019	M/s UPL Limited	Azoxystrobin 2.5 % + Thiophanate-methyl 11.25 % + Thiamethoxam 25 % FS	Soybean	Seed treatment
10	428	9749-END/2018	M/s. Bayer Crop Science Ltd	Penflufen 13.28% + Trifloxystrobin 13.28% FS	Cotton	Seed treatment
11	428	9917-END/2018	M/s. Indofil Industries Ltd	Hexaconazole 4% + Zineb 68% WP	Maize	43
12	428	6518-TI/9(3)/2015	M/s Crystal Crop Protection Pvt. Ltd	Glufosinate Ammonium Technical 95% w/w min	-	-
13	428	7465-TI/9(3)/2016	M/s Crystal Crop Protection Pvt. Ltd	Butachlor Technical 95% w/w min	-	-
14	428	6125-TI/9(3)/2015	M/s Willowood Chemicals Pvt. Ltd.	Clodinafop-Propargyl Technical 95% w/w min	-	-
15	428	7894-TI/9(3)/2016	M/s Tropical Agrosystem (India) Pvt. Ltd.	Glyphosate Technical 95% w/w min	-	-
16	428	8726-TI/9(3)/2017	M/s Dhanuka Agritech Limited	Halosulfuron Methyl Technical 97% w/w min	-	-
17	428	6964-TI/9(3)/2015	M/s Dow Agrosience India (P) Ltd.	Florasulam Technical 96.2% w/w min	-	-
18	428	4790-FI/9(3)/2014	M/s Dow Agrosience India (P) Ltd.	Fluroxypyr meptyl 48% W/v(45.5% w/w)EC (without registering technical)	Onion	71
19	428	9720-F/9(3)/2018	M/s Insecticides India Limited	Quizalofop Ethyl 7.5% + Imazethapyr 15% w/w EC	Groundnut	90
19	429	9316-F/9(3)/2018	M/s Coromandal International Ltd.,	Hexythiazox 3.5 + Diafenthiuron 42% WDG	Chilli	-

20	429	9568-F/9(3)2018	M/s Coromandel International Ltd.,	Acephate 50% + Fipronil 5% WDG	Paddy	-
21	429	7820-TI/9(3)2016	M/s Rainbow Agroscience Pvt. Ltd.,	Imidacloprid technical 96% w/w min	-	-
22	429	10503-TIM/ 9(3) 2018	M/s GSP Crop Science Ltd.,	Clothianidin Technical 98% w/w min.	-	-
23	429	10037-TIM/9(3) 2019	M/s Meghmani Industries Ltd.,	Flubendamide Technical 95% w/w min	-	-
24	429	9920-B/F/9(3)/2018-CIR-II	M/s T. Stanes and Company LTD.	Bacillus subtilis 1.50% liquid formulation	Banana	Bio pesticide
25	429	9919-B/F/9(3)/2018	M/s T. Stanes and Company LTD.	Trichoderma viride 1.50% Liquid Formulation	Tomato	Bio pesticide
26	429	9314-F/9(3)/2018	M/s Rallis India Limited	Hexaconazole 0.5% GR	Paddy	38
27	429	9487-END/2019	M/s. Indofil Industries Ltd	Hexaconazole 4% + Zineb 68% WP	Cotton	23
28	429	8416-F/9(3)/2016	M/s Dow AgroSciences India (P) Ltd.	Haloxypop R Methyl 10.5% EC	Soybean	60
29	429	8391-F/9(3)/2017	M/s Dow AgroSciences India (P) Ltd.	Haloxypop R Methyl Ester Technical 94% w/w min.	-	-
30	429	7670-TI/9(3)/2016	M/s Rainbow Agroscience Pvt. Ltd	Glyphosate technical 95% w/w min. u	-	-
31	429	7725-TI/9(3)/2016	M/s Rainbow Agroscience Pvt. Ltd.	Butachlor technical 95% w/w min	-	-
32	429	6965-TI/9(3)/2016	M/s Dow AgroSciences India (P) Ltd.	Halaxifen-methyl technical 93% w/w min	-	-
33	429	6963-F/9(3)/2015	M/s Dow AgroSciences India (P) Ltd.	Halaxifen-methyl 20.8% + Florasulam 20.0% WG	Wheat	71
34	429	6824-TI/9(3)/2015	M/s Krishi Rasayan Exports Pvt. Ltd	Paraquat dichloride technical 42% min.	-	-
35	430	7244-FI/9(3)2016	M/s BASF India Ltd.	Dinotefuran 0.5% RB	House hold	-
36	430	7693-TI/9(3)2016	M/s Crystal Crop Protection Pvt. Ltd.	Pymetrozine Technical 97% w/w min.	--	-
37	430	17-584/2015	M/s Rallis India Ltd.,	Flubendamide 3.5% + Hexaconazole 5% WG	Groundnut	31
38	430	9612-END/2018	M/s NAACL Industries Ltd.,	Profenophos 50% EC	Red gram	-
39	430	9117-END/2018	M/s Syngenta India Ltd.,	Thiamethoxam 25% WG	Grape	-
40	430	9381-F/9(3)/2018	M/s Crystal Crop Protection Ltd	Tetraconazole 3.8% EW	Grape	30
					Mango	24
					Watermelon	12
					Tea	7
41	430	12378-F/9(3)/2020	M/s Crystal Crop Protection Ltd	Metiram 70.00% WG	Tomato	6
42	430	10156-END/2019	M/s. Rallis India Ltd.	Captan 70% + Hexaconazole 5% WP	Rice	30
43	430	17-584/2015	M/s. Rallis India Ltd.	Flubendamide 3.5% + Hexaconazole 5% WG	Groundnut	30
44	430	10263-TIM/9(3)/2018	M/s Meghmani Industries Ltd	Diclosulam Technical 94% w/w min.	-	-

45	430	12456-F/9(3)/2017	M/s BASF India Ltd.	Topramezone 336 g/l SC	Maize	83
46	430	12356-F/9(3)/2020	M/s BASF India Ltd.	Bentazone 480 g/l SL	Transplanted Rice	71
47	430	6128-TI/9(3)/2015	M/s FMC India Ltd.	Clomazone Technical 93%	-	-
48	430	4187-TI/9(3)/2013	M/s Crystal Crop Protection Pvt. Ltd.	Bispyribac Sodium Technical 95% w/w min.	-	-
49	430	6615-TI/9(3)/2015	M/s Dow Agrosiences India Ltd.	Diclosulam technical 94.1% w/w min.	-	-
50	431	5678-FI/9(3)/2014	M/s Bayer Crop Science Ltd.,	Imidacloprid 2.15% GEL	House hold	-
51	431	7375-TI/9(3)/2016	M/s Krishi Rasayan Exports Pvt. Ltd.,	Thiodicarb technical 95% w/w min	-	-
52	431	7003-TI/9(3)/2016	M/s Parijat Industries (India) Pvt. Ltd.	Bifenthrin technical 97% w/w min	-	-
53	431	9483-F/9(3)/2018	M/s Agro Life Science Corporation	Buprofezin 20% + Acetamiprod 2% WP	Rice	-
54	431	8389-F/9(3)/2017	M/s Bayer Crop Science Ltd.,	Imidacloprid 17.1% SL	Cotton Rice	-
55	431	11214-TIM/9(3)/2019	M/s Sumitomo Chemical India Ltd.,	Pyriproxyfen technical 95% w/w	-	-
56	431	8866-END/2018	M/s Syngenta India Ltd.	Thiamethoxam 25% WG	Grape	
57	431	10385-F/9(3)/2019-CIR.II	M/s. NACL Industries Ltd.	Azoxystrobin 120 g/L + Tebuconazole 240 g/L SC	Rice	24
					Chilli	7
58	431	9916-END/2018	M/s. BASF India Ltd.	Metiram 44% + Dimethomorph 9% WG	Potato	11
					Tomato	10
59	431	9940-END/2018	M/s. Bayer Crop Science Ltd	Flupyram 17.7% + Tebuconazole 17.7% SC	Apple	30
60	431	10160-END/2019	M/s. Rallis India Ltd.	Captan 70% + Hexaconazole 5% WP	Wheat	29
61	431	10141-END/2019	M/s. Dhanuka Agritech Ltd.	Kasugamycin 3% SL	Chilli	05
					Cucumber	05
62	431	7718-TI/9(3)/2016	M/s Syngenta India Ltd	Atrazine technical 96% w/w min.	-	-
63	431	11214-TIM/9(3)/2019	M/s Sumitomo Chemical India Ltd	Pyriproxyfen technical 95% w/w	-	-

64	431	9431-END/2018	M/s Dow AgroSciences India Ltd.	Haloxyfop R methyl 10.55% EC	Onion Mentha Blackgram	78 60 -
65	431	8789-END/2018	M/s E I DuPont India Pvt. Ltd	Metsulfuron methyl 20% WG (with surfactant)	Sugarcane	346
66	432	9538-END/2018	M/s Bayer CropScience Ltd.	Imidacloprid 21% + Beta cyfluthrin 10.5% SC	House hold	-
67	432	12757-TIM/9(3) 2020	M/s UPL Ltd.,	Chlorantraniliprole technical 95.50% w/w min.	-	-
68	432	9668-END/2018	M/s Excel Crop Care Ltd	Tebuconazole 10% + Sulphur 65% WG	Mango	97
69	432	10619-END/2019	M/s Adama India Limited	Bupirimate 26.7% w/w EC	Chilli	7
70	432	11162-END/2019	M/s Rallis India Limited	Captan 70% + Hexaconazole 5% WP	Cumin	17
71	432	10262-TIM/9(3)/2018	M/s Best Crop Science LLP	Paraquat dichloride technical 42% w/w	-	-

Annexure – X

Inclusion of new molecules in the Schedule to the Insecticides Act 1968

S. No.	F. No. / Name of the Applicant	CAS No. / Common Name / CAS / IUPAC Name	Bio-efficacy	Toxicity	Status of Registration in other country	Decision of the Board
1.	3169/ Inclusion In Schedule M/s UPL Limited	571-58-4 1,4-dimethyl naphthalene IUPAC: 1,4-dimethyl naphthalene	Used as a sprout suppressor in post- harvest treatment of potatoes	Acute Oral LD50 : >2730 mg/kg Acute Dermal LD 50: >2000 mg/kg Acute Inhalation LD 50: > 4.16 mg/L/4 h Irritancy: Moderately irritating to skin and eyes.	Registered in Kenya, Morocco, Poland, Belarus, Ukraine, Kazakhstan, Brazil, Chile, Mexico, USA, Belgium, France, Ireland, Italy, Netherland, Portugal, Portugal, Spain, Switzerland	Approved
2.	3179/ Inclusion In Schedule M/s Sumitomo Chemical India Ltd.	1352994-67-2 Inpyrflumax IUPAC: 3- (difluorometh yl)-1-methyl- N-[(3R)- 1,1,3-tri methyl-2,3- dihydro inden-4-yl] pyrazole-4- carboxamide	Used as fungicide. on apple scab, powdery mildew and rust diseases	Acute Oral LD50: >300 mg/kg Acute Dermal: LD 50: >1700 mg/kg Acute Inhalation LC : rats(4 h) >2.8 3 mg/l Skin irritation: Not an irritant (rabbits) Eye irritation: Not an irritant (rabbits) Skin corrosion/Irritation: Rabbit: Mildly irritating Skin sensitization: Not a skin Sensitiser (guinea pigs)	Registered in USA, Japan and Canada	Approved
3.	3180/ Inclusion In Schedule M/s SWAL Corporatio n Ltd	104-55-2 Cinnam- aldehyde IUPAC : (E)-3- phenylprop- 2-enal	Used as a broad spectrum fungicide. Controls Powdery Mildew, Rhizoctonia, Pythium, Dollar Spot, and Pitch Canker Disease.	Acute oral: LD50 (rat) >5000 mg/kg Acute dermal: Acute percutaneous LD50 (rat) >12000 mg/kg Acute Inhalation: LC50 (4 h) >2.03 mg/L Skin irritation: Irritant Eye irritation: Irritant Sensitization: Sensitizer	Registered in Morocco, Colombia, Ecuador, Mexico USA	Approved
4.	3181/ Inclusion In Schedule M/s Astec Life Sciences Limited	175217-20-6 Silthiofam IUPAC: 4,5- dimethyl-N- prop-2-enyl- 2- trimethylsilylt hiophene-3- carboxamide	A fungicide seed dressing for cereals (Wheat, barley and triticale) used mainly to control 'take-all'.	Acute Oral LD50 (50, mg/kg) : rats >5000, mice >5000 Acute Inhalation LC (50, mg/l): rats >2.8 Acute Percutaneous LD (50, mg/kg): rats >5000 Skin irritation: Not an irritant (rabbits) Eye irritation: Not an irritant (rabbits) Skin sensitization: Not a skin Sensitiser (guinea pigs)	Registered in UK, Belgium, Czech Republic, Germany and China.	Approved

5.	3182/ Inclusion In Schedule M/s Gowan India Pvt. Ltd.	67701-09-1 Potassium Salts of fatty acids [C12-C18 Saturated and C18 unsaturated]	Used as Insecticide in Vegetables, Herbs And Spices to control or suppress soft bodied pests which include: adelgid, aphid, earwig, lace bug, leafhopper, mealybug, mole cricket, plant bug, psyllid, sawfly larva, scale, spider mite, tent caterpillar, thrips, whitefly, gypsy moth, and chinch bug	AcuteOralToxicityLD50 > 5050 mg/kg AcuteDermalToxicity: LD50 > 5020 mg/kg InhalationToxicityLC ₅₀ (4hrs):LC50 > 2.15 mg/L AcutedermalIrritation – Rabbit: Moderately Irritating AcuteEyeIrritation – Rabbit: Moderately Irritating	Registered in United States, Barbados, Dominica, Dominican Republic, Honduras, Costa Rica, Nicaragua, Panama, Israel, Mexico, Morocco, Philippines, Saint Lucia, Turkey, and Taiwan	Approved
6.	3183/ Inclusion In Schedule M/s Gowan India Pvt. Ltd.	Plant Extract of Swinglea glutinosa	Used as a bio- fungicide for use on growing crops in agricultural, greenhouse, ornamental and turf use sites to control fungal diseases such as powdery mildew (oidiums), sour rot, and Botrytis cinerea.	AcuteOralToxicity-Rat: LD50 > 5000 mg/kg AcuteDermalToxicity- Rat: LD50 > 2000 mg/kg InhalationToxicityLC ₅₀ (4hrs):LC50 > 5.08 mg/L AcutedermalIrritation – Rabbit: Slightly irritating AcuteEyeIrritation – Rabbit: Moderately Irritating	Registered in United States, Chile, Dominica, Dominican Republic, Grenada, Mexico, Saint Lucia	Approved
7.	3184/ Inclusion In Schedule M/s BASF India Ltd	2246757-58-2 Fenmezodiati az ((3R)-3-(2- chloro-1,3- thiazol-5-yl)- 8-methyl-7- oxo- 6-phenyl- 2,3,7,8- tetrahydro[1, 3]thiazolo[3,2 -a]pyrimidin- 4-ium-5-olate	Used as Systemic insecticide It is Nicotinic acetylcholine receptor antagonists. Insecticide used in rice crop for control of Plant hoppers and Stem borers.	Acute Oral Toxicity LD50 2000 mg/kg Acute Dermal Toxicity: LD50> 2000 mg/kg (Rat) Inhalation Toxicity: LC50 > 2.4 mg/l Acute Dermal Irritation: Non-irritating Mucous Membrane Irritation : Non-irritating	Fenmezodiati az is under registration in USA, Japan, Australia and EU (data generation stage)	Approved
8.	3185/ Inclusion In Schedule M/s UPL Limited	121552-61-2 Cyprodinil IUPAC: 4 cyclopropyl- 6-methyl- N-phenyl pyrimidin-2- amine	Used as Fungicide to control fungi from the classes Ascomycetes, Basidiomycetes and Deuteromycetes in wheat and apple	Acute Oral LD50 rats >2000, mice >5000 Acute Inhalation LD (50, mg/kg): rats >1.2 (4 h) Acute Percutaneous LD (50, mg/kg): rats >2000 Skin irritation: Not an irritant (rabbits) Eye irritation: Not an irritant (rabbits) Skin sensitization: Sensitiser (guinea pigs)	Registered in 50 plus countries Including USA, Japan, UK etc.	Approved

9.	3186/ Inclusion In Schedule M/s UPL Limited	Bacillus amyloli quefaciens (synonymous nomenclature of Bacillus velezensis)	Used as Bio-pesticide to reduce crown rot of bananas and on control of southern corn leaf blight on maize.	Acute Oral Toxicity: Oral LD50 > 5000 mg/Kg Dermal LD50 > 5050 mg/Kg Acute Inhalation Toxicity: Inhalation LC50 > 2.18 mg/L	Registered in 30 plus countries Including USA, Japan, UK etc	Approved
10.	3187/ Inclusion In Schedule M/s UPL Limited	9008-22-4 Laminaran IUPAC: (1-3)-b-D- glucan	Used in control of strawberry diseases to reduce Botrytis cinereain-fection, leaf spot and powdery mildew as fungicide.	Acute Oral LD 50 :>2000 mg/kg bw. Acute Dermal LD 50: >5000 mg/kg bw. Acute Inhalation LD 50: > 1.02 mg/L/4 h Irritancy: Non irritant to skin and eyes. Sensitisation: Non sensitiser.	Registered In Kenya, Morocco, Poland, Belarus, Ukraine, Kazakhstan, Brazil, Chile, Mexico, USA, Belgium, France, Ireland, Italy, Netherland, Portugal, Portugal, Spain, Switzerland	Approved