

**MINUTES OF THE 64<sup>th</sup> MEETING OF THE CENTRAL INSECTICIDES BOARD (CIB) HELD ON 15.03.2023 AT 1100 HRS IN ROOM NO. 445 A, NIRMAN BHAWAN, DELHI**

The 64<sup>th</sup> 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, Nirman Bhawan, New Delhi. The list of the participants is at **Annexure-1.1**

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 63 <sup>rd</sup> meeting of CIB held on 05.09.2022	<p>No comments were received from the members on the minutes of the 63<sup>rd</sup> meeting of the Board, therefore, the minutes of the 63<sup>rd</sup> meeting of CIB was confirmed.</p> <p>While confirming the MOM, it was also informed that the minutes of the 63<sup>rd</sup> CIB meeting on agenda item no. 18 on the <b>Follow-up agenda on agenda item no. 11 of 62<sup>nd</sup> Board meeting on Re-notification of the complete list of the schedule to the Insecticides Act, 1968</b>, 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&amp;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 may be removed and the report presented in the agenda shall be submitted to the Secretariat of the CIB&amp;RC for further needful on the recommendations/suggestions of the sub-committee, and a request to re-</p>

		notify the entire schedule at - <b>Annexure-1.2</b> may be communicated to DA&FW.
Agenda Item No. 2	Follow-up action on the decisions of the 63 <sup>rd</sup> Meeting of the CIB	The Board noted the follow-up action on the decisions of the 63 <sup>rd</sup> meeting with satisfaction and appreciated the efforts made by the Secretariat of CIB&RC to complete the action in a time-bound manner. ( <b>Annexure-2</b> ).
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) ( <b>Annexure-3.1 &amp; 3.2</b> ) and bio-pesticides approved/ registered by the RC ( <b>Annexure-3.3</b> ) 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.
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.
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.( <b>Annexure-5</b> )
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. ( <b>Annexure-6</b> )
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. ( <b>Annexure-7</b> )
Agenda Item No. 8	Waiting period/ pre-harvest interval between application of the	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

	pesticides and harvest in respect of various commodities in case of new formulations registered under section 9(3) & label expansion of already registered formulations.	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. ( <b>Annexure-8</b> )
Agenda Item No. 9	Consideration of Notifications issued by the Ministry of Agriculture and Farmers Welfare.	<p>The Board noted the Notifications issued by the Ministry of Agriculture and Farmers Welfare vide:</p> <ol style="list-style-type: none"> <li>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 manufacturing licence.</li> <li>b. G.S.R 806 (E) dated 27.10.2022, Draft Insecticides (Amendment) Rules, 2022 regarding amendment in label and leaflets.</li> <li>c. G.S.R 833 (E) dated 22.11.2022, Draft Insecticides (Amendment) Rules, 2022 regarding revision of fee payable for registration.</li> <li>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.</li> <li>e. S. O. 5010 (E) dated 21.10.2022, Restriction on use of Glyphosate Order 2022</li> <li>f. S.O. 701 (E) dated 02.02.2023, Draft Insecticides (Prohibition) Order, 2023</li> <li>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.</li> <li>h. G.S.R. 172(E) dated 07.03.2023, Draft Insecticides (Fourth Amendment) Rules, 2023.</li> <li>i. G.S.R. 173(E) dated 07.03.2023, Draft Insecticides (Fifth Amendment) Rules, 2023.</li> </ol>
Agenda Item No. 10	Restricted use of Glyphosate (Herbicide) through PCOs	The Board noted the status as appraised.

Agenda Item No. 11	List of molecules proposed to be included in the Schedule to the Insecticides Act 1968	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 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
Agenda Item No. 12	Follow-up action of Agenda Item No. 14 of 63 <sup>rd</sup> CIB Meeting	This issue was inadvertently placed again before the Board. The board was apprised that based upon the decision of the 63 <sup>rd</sup> 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 <sup>rd</sup> meeting of the board vide letter no. 04-20/2018 CIR-II dated 29.09.2022. The decision of the Board is reiterated.
Agenda Item No. 13	Follow up 63 <sup>rd</sup> CIB meeting vide agenda item No. 1, on Standard 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),	The Board deliberated the agenda and appreciated the efforts of the Directorate General, Factory Advice Services and Labour Institutes (DG, FASLI), in 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.
Agenda Item No. 14	Follow up agenda item no. 9 of the 62 <sup>nd</sup> Board Meeting: consideration of interim approval for application of already approved pesticides formulation through drone	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.

Agenda Item No. 15	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.
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**Annexure-1.1**

**List of Participants of 64<sup>th</sup>meeting of the Central Insecticides Board held on 15<sup>th</sup>March 2023 at 11:00Hrs (Hybrid Mode)**

**Board Chairman/ Members**

1. Prof. (Dr.) Atul Goel, Director-General of Health Services(DGHS)
2. Dr. Swati Srivastava (Representative of Drug Controller General of India) New Delhi
3. Dr. Praveen Kumar Singh, Agriculture Commissioner.
4. Dr. J. P. Singh, Plant Protection Adviser, Directorate of Plant Protection, Quarantine and Storage, Faridabad
5. Dr. Sanjay Arya, Secretary(CIB&RC), Directorate of Plant Protection, Quarantine and Storage, Faridabad.
6. Dr. S. C. Dubey ADG (PP), ICAR, New Delhi.
7. Sh. G. S. Chouhan JDA, on behalf of Director of Agriculture & Farmers' Welfare, Haryana.
8. Dr. Veerendra Pratap Upadhyaya, Ecologist & Former Scientist' G' ,
9. Sh. Kuldeep Mittal, (Representative of DG, BIS).
10. Mr. H. S. Thakur.

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

1. Dr. Vandana Seth, JD (Chem),
2. Dr. K. L. Gurjar, DD(PP)
3. Sh. Govind Ram, Sr.A.O.
4. Sh. Hari Om Miglani, Sr.L.O.
5. Dr. Sneha Potdar, DD (Chem)
6. Dr. Brijesh Tripathi, DD (Chem)
7. Dr. G. K. Bunkar, DD (E)
8. Sh. Mahesh Chandra, AD(W.S)
9. Dr. T. S. Ranjan, AD(E)
10. Mr. M.N. Reddy, AD(E)
11. Sh. A D Bhatt, PPO(Chem.),
12. Dr. S. K. Jain, Sr. Consultant (Medical Tox.)
13. Dr. Sameya Anjum, Consultant(Medical Tox.)

**Annexure-1.2**

[TO BE PUBLISHED IN THE GAZETTE OF INDIA, EXTRAORDINARY, PART II, SECTION 3, SUB-SECTION (ii)]

**Government of India**  
**Ministry of Agriculture and Farmers Welfare**  
**(Department of Agriculture and Farmers Welfare)**

New Delhi, the , 2023

**NOTIFICATION**

S.O. .... (E). - In exercise of the Powers conferred by sub-clause (ii) of clause (e) of section 3 of the Insecticides Act, 1968 (46 of 1968) and in supersession of the notification of the Government of India in the erstwhile Ministry of Agriculture (Department of Agriculture and Cooperation) published in Gazette of India, Extraordinary, Part-II, Section-3, Sub-section (i), vide number G.S.R. 9 (E), dated the 9<sup>th</sup> January, 1974, except as respects things done or omitted to be done before such supersession, the Central Government, after consultation with the Central Insecticide Board, hereby includes the following insecticides in the Schedule to the said Act, namely:-

**The Schedule**  
**[See section 3(e)]**  
**List of insecticides**

Sl.No.	Common Name	Chemical/Scientific name
1.	1, 4-dimethyl naphthalene (1,4-DMN)	CAS number: 571-58-4 CAS name: 1, 4-dimethyl naphthalene IUPAC Name: 1,4-dimethyl naphthalene
2.	(Z)-hexadec-11-enal (Z-11-Hexadecenal)	CAS number: 53939-28-9 CAS name: (Z)-11-hexadecenal IUPAC name: (Z)-hexadec-11-enal
3.	1-MCP (1-methylcyclopropene)	CAS number: 3100-04-7 CAS name: 1-methylcyclopropene IUPAC name: 1-Methylcyclopropene
4.	2,4,5-T (Trichlorophenoxy acetic acid)	CAS number: 93-76-5 CAS name: 2-(2,4,5-trichlorophenoxy)acetic acid IUPAC name: (2,4,5-trichlorophenoxy)acetic acid
5.	2,4,5-TB	CAS number: 93-80-1 CAS name: 4-(2,4,5-trichlorophenoxy) butanoic acid IUPAC name: 4-(2,4,5-trichlorophenoxy) butyric acid
6.	2,4-D	CAS number: 94-75-7 CAS name: 2-(2,4-dichlorophenoxy)acetic acid IUPAC name: (2,4-dichlorophenoxy) acetic acid
7.	2,4-DB	CAS number: 94-82-6 CAS name: 4-(2,4-dichlorophenoxy)butanoic acid IUPAC name: 4-(2,4-dichlorophenoxy)butyric acid
8.	2,4-D sodium salt	CAS number: 2702-72-9 CAS name: 2,4-Dichlorophenoxyacetic Acid Sodium Salt IUPAC name: sodium;2-(2,4-dichlorophenoxy)acetate
9.	2,4-D Amine salt	CAS number: 2008-39-1 CAS name: Dimethylamine 2-(2,4-dichlorophenoxy)acetate IUPAC name: 2-(2,4-dichlorophenoxy)acetic acid;N-methylmethanamine
10.	2,4-D Ethyl ester	CAS number: 1928-43-4 CAS name: 2-ethylhexyl 2-(2,4-dichlorophenoxy)acetate IUPAC name: 2-ethylhexyl 2-(2,4-dichlorophenoxy)acetate
11.	2-phenylphenol	CAS number: 132-27-4 CAS name: [1,1'-biphenyl]-2-ol IUPAC name: biphenyl-2-ol
12.	3-iodo-2-propynyl Butylcarbamate (IPBC)	CAS number: 55406-53-6 CAS name: 3-iodoprop-2-ynylbutylcarbamate (IPBC) IUPAC name: 3-iodoprop-2-ynyl N-butylcarbamate

13.	4,5-dichloro-2-n-octyl-3-(2H)-isothiazolone(DCOIT)	CAS number: 64359-81-5 CAS name: 4,5-dichloro-2-octyl-2,3-dihydro-1,2-thiazol-3-one IUPAC name: 4,5-dichloro-2-n-octyl-3-(2H)-isothiazolone
14.	6-Benzylaminopurine	CAS number: 1214-39-7 CAS name: N-phenylmethyl-1H-purin-6-amine IUPAC name: N-benzyl-7H-purin-6-amine; N benzyladenine
15.	Abamectin	CAS number: 71751-41-2 CAS name: 5-O-demethylavermectin A1a (i) mixture with 5-O-demethyl-25-de(1-methylpropyl)-25-(1-methyl ethyl)avermectin A1a (ii) IUPAC name: (10E, 14E, 16E, 22Z)-(1R, 4S, 5'S, 6S, 6'R, 8R, 12S, 13S, 20R, 21R, 24S)-6'-[(S)-sec-butyl] -21, 24-di hydroxy-5', 11, 13, 22 - tetramethyl -2-oxo-3,7,19-trioxatetetracyclo[15.6.1.14,8.020,24] penta cosa-10,14, 16,22-tetraene-6-spiro-2'-(5',6'-dihydro-2'H-pyr an,-)12-yl 2,6-dideoxy- 4-O-(2,6-dideoxy-3-O-methyl-a-L-arabino - hexopyranosyl)-3-O-methyl-a-L -arabino-hexopyranoside (i) mixture with (10E, 14E, 16E, 22Z)-(1R, 4S, 5'S, 6S, 6'R, 8R, 12S, 13S, 20R, 21R, 24S)-21,24-dihydroxy-6'-isopropyl-5',11,13,22-tetra methyl -2-oxo-3,7,19-trioxa tetracyclo [15.6.1.14,8.020,24]penta cosa-10,14,16,22-tetra ene-6spiro -2'(5',6'- di hydro-2'H-pyran)12-yl2,6-dideoxy 4-O(2,6-dideoxy-3-O-methyl-a-L-arabino-hexo pyranosyl) 3-O-methyl-a-L-arabino-hexopyranoside(ii) (4:1)
16.	Acephate	CAS number: 30560-19-1 CAS name: O,S-dimethyl acetylphosphoramido thioate IUPAC name: O,S-dimethyl acetyl phosphoramidothioate
17.	Acequinocyl	CAS number: 57960-19-7 CAS NAME: 2-(acetyloxy)3-dodecyl-1,4-naphthalenedione IUPAC NAME: 3-dodecyl-1,4-dihydro-1,4-dioxo-2-naphthyl acetate
18.	Acetamiprid	CAS number: 135410-20-7 CAS name: (E)-N-[(6-chloro-3-pyridinyl)methyl]-N'-cyano-N-methylethanimidamide IUPAC name: (E)-N <sup>1</sup> -[(6-chloro-3-pyridyl)-methyl] N <sup>2</sup> -cyano-N <sup>1</sup> -methyl acetamidine
19.	Acetochlor	CAS number: 34256-82-1 CAS name: 2-chloro-N-ethoxymethyl-6'ethylaceto -o-toluidide IUPAC name: 2-chloro-N-(ethoxymethyl)-N-(2-ethyl-6-methylphenyl)acetamide
20.	Acibenzolar-S-methyl	CAS number: 135158-54-2 CAS name: 1,2,3-benzothiadiazole-7-carbothioic acid S-methyl ester IUPAC name: S-methyl benzo [1,2,3] thiadiazole-7-carbothioate
21.	Acifluorfen	CAS number: 50594-66-6 CAS name: 5[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoic acid IUPAC name: 5-(2-chloro-1-1-1-trifluoro-p-tolylo xy)-2-nitrobenzoic acid
22.	Aclonifen	CAS number: 74070-46-5 CAS name: 2-chloro-6-nitro-3-phenoxy benzen amine IUPAC name: 2-chloro-6-nitro-3-phenoxyaniline
23.	Acrinathrin	CAS number: 101007-06-1 CAS name: cyano(3-phenoxyphenyl)methyl 2,2-di methyl-3[3-oxo-3-[2,2,2-trifluoro-1(trifluoromethyl) ethoxy] -1-propenyl]cyclopropanecarboxylate IUPAC name:(S)-cyano-(3-phenoxyphenyl)methyl] (1R,3S)-3-[(Z)-3-(1,1,1,3,3,3-hexafluoropropan-2-yloxy)-3-oxoprop-1-enyl]-2,2-dimethylcyclopropane-1-carboxylate
24.	Acrolein	CAS number: 107-02-8 CAS name: 2-propenal IUPAC name: prop-2-enal



25.	Acrylonitrile	CAS number: 107-13-1 CAS name: 2-propenenitrile IUPAC name: Acrylonitrile
26.	Acynonapyr	CASNo.133283-8-17-1 CAS Name: (3-endo)-3-[2-propoxy-4-(trifluoromethyl)phenoxy]-9-[[5-(trifluoromethyl)-2-pyridinyl]oxy]-9-azabicyclo[3.3.1]nonane IUPAC name: 3-endo-[2-propoxy-4-(trifluoromethyl)phenoxy]-9-[[5-(trifluoromethyl)-2-pyridyl]oxy]-9-azabicyclo[3.3.1]nonane
27.	Afidopyropen	CAS number: 915972-17-7 CAS name: [(3S,4R,4aR,6S,6aS,12R,12aS,12bS)-3-[(cyclopropylcarbonyl)oxy]1,3,4,4a,5,6,6a,12,12a,12b-decahydro-6,12-dihydroxy-4,6a,12b-trimethyl-11-oxo-9-(3-pyridinyl)-2H,11H-naphtho[2,1-b]pyrano-[3,4-e]pyran-4-yl)methyl cyclopropanecarboxylate IUPAC name: [(3S,4R,4aR,6S,6aS,12R,12aS,12bS)-3-(cyclopropylcarbonyloxy)-1,2,3,4,4a,5,6,6a,12a,12b-decahydro-6,12-dihydroxy-4,6a,12b-trimethyl-11-oxo-9-(3-pyridyl)-11H,12H-benzo-[f]-pyrano[4,3-b]chromen-4-yl)methyl cyclopropanecarboxylate
28.	<i>Agrobacterium radiobacter</i>	-
29.	<i>Agrobacterium tumefaciens</i>	-
30.	Alachlor	CAS number: 15972-60-8 CAS name: 2-chloro-N-(2,6-diethylphenyl)-N-(methoxy methyl)acetamide IUPAC name: 2Chloro-2',6'-diethyl-N-methoxymethyl -acetanilide
31.	Alanycarb	CAS number: 83130-01-2 CAS name: (Z)ethyl 3,7-dimethyl-6-oxo-9(phenylmethyl) 5-oxa-2,8-dithia-4,7,9-triazadodec-3-en-12-olate IUPAC name: (Z)N-benzyl-N-[[methyl(1-methylthioethylideneamino-oxycarbonyl)amino]thio]-b-alaninate
32.	<i>Alcaligenes</i> spp.	-
33.	Aldicarb	CAS number: 116-06-3 CAS name: 2-methyl-2(methylthio)propanal O-[(methyl amino) carbonyl]oxime IUPAC name: 2-methyl-2-(methylthio) propion aldehyde O-methyl carbamoyl oxime
34.	Aldrin	CAS number: 309-00-2 CAS name: (1R,4S,4aS,5S,8R,8aR)rel-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8dimethano naphthalene IUPAC name: 1R,4S,4aS,5S,8R,8aR)-(1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4,5,8-di methano naphthalene
35.	Allethrin (Allethrin[(1R)-isomer], D trans-Allethrin	CAS number: 584-79-2, 28057-48-9 CAS name: 2-methyl-4-oxo-3-(2-propen-1yl)-2cyclopenten-1-yl-2,2-dimethyl-3(2-methyl-1-propen-1-yl) cyclopropanecarboxylate IUPAC name: (RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl(1R,3R,1R,3S)-2,2-dimethyl-3(2-methylprop-1-enyl)cyclopropanecarboxylate
36.	Allylthiocyanate	CAS number: 57-06-7 CAS name: 3-isothiocyanatoprop-1-ene IUPAC name: 3-isothiocyanatoprop-1-ene
37.	Alpha-cypermethrin	CAS number: 67375-30-8 CAS name: (R)-cyano(3-phenoxyphenyl)methyl (1S,3S)-rel-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate IUPAC name: racemate comprising (R)- $\alpha$ -cyano-3-phenoxybenzyl (1S,3S)-3-(2,2-dichlorovinyl)2,2-dimethylcyclopropanecarboxylate and (S)- $\alpha$ -cyano-3-phenoxybenzyl(1R,3R)3(2,2-dichlorovinyl)2,2-dimethylcyclopropane carboxylate
38.	Aluminium Phosphide	CAS number: 20859-73-8 CAS name: phosphinidynealuminum IUPAC name: aluminium phosphide

39.	American Wormseed Oil, <i>Chenopodium</i> Oil, ECANA and ECANA Mimic	Extract of <i>Chenopodium ambrosioides</i> near ambrosioides and extract of <i>Chenopodium ambrosioides</i> near ambrosioides
40.	Ametoctradin	CAS number: 865318-97-4 CAS name: 5-ethyl-6-octyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine IUPAC name: 5-ethyl-6-octyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine
41.	Ametryn	CAS number: 834-12-8 CAS name: N-ethyl-N'-(1-methylethyl)-6-(methylthio)-1,3,5-triazine-2,4-diamine IUPAC name: N2-ethyl-N4-isopropyl-6-methylthio-1,3,5-triazine-2,4-diamine
42.	Amicarbazone	CAS number: 129909-90-6 CAS name: 4-amino-N-(1,1-dimethylethyl)-4,5-dihydro-3-(1-methylethyl)-5-oxo-1H-1,2,4-triazole-1-carboxamide IUPAC name: 4-amino-N-tert-butyl-4,5-dihydro-3-iso-propyl-5-oxo-1,2,4-1H-triazole-1-carboxamide
43.	Amidine Hydrazone	CAS number: 67485-29-4 CAS name: hydramethylnon IUPAC name: tetrahydro-5,5-dimethyl-2(1H)-pyrimidinone [3-[4-(trifluoromethyl)phenyl]-1-[2[4-phenyl]ethenyl-2-propenylidene]hydrazone
44.	Amidithion	CAS number: 919-76-6 CAS name: S[2[(2-methoxyethyl)amino]2-oxoethyl]O,O-dimethyl phosphorodithioate IUPAC name: S-(N-2-methoxyethyl carbamoyl methyl) 0,0-dimethyl phosphorodithioate
45.	Amidosulfuron	CAS number: 120923-37-7 CAS name: N-[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonylamino)sulfonyl]-N-methylmethane sulfonamide IUPAC name: 1-(4,6-dimethoxypyrimidin-2-yl)-3-mesyl (methyl) sulphamoylurea
46.	Aminocyclopyrachlore	CAS number: 858956-08-8 CAS name: 6-amino-5-chloro-2-cyclopropyl-4-pyrimidine carboxylic acid IUPAC name: 6-amino-5-chloro-2-cyclopropylpyrimidine-4-carboxylic acid
47.	Aminopyralid	CAS number: 150114-71-9 CAS name: 4-amino-3,6-dichloro-2-pyridinecarboxylic acid IUPAC name: 4-amino-3,6-dichloropyridine-2-carboxylic acid
48.	Amisulbrom	CAS number: 348635-87-0 CAS name: 3-[(3-bromo-6-fluoro-2-methyl-1H-indol-1-yl)sulfonyl]-N,N-dimethyl-1H-1,2,4-triazole-1-sulfonamide IUPAC name: 3-(3-bromo-6-fluoro-2-methylindol-1-yl sulfonyl)-N,N-dimethyl-1H-1,2,4-triazol-1-sulfonamide
49.	Amiton	CAS number: 78-53-5 CAS name: S-[2-(diethylamino)ethyl] O,O-diethyl phosphorothioate IUPAC name: S-2-diethylaminoethyl O,O-diethyl phosphorothioate
50.	Amitraz	CAS number: 33089-61-1 CAS name: N'-(2,4-dimethylphenyl)-N-[[2,4-dimethylphenyl]imino]methyl]-N-methylmethanimidamide IUPAC name: N-methylbis(2,4-xylyliminomethyl)amine
51.	Amitrole	CAS number: 61-82-5 CAS name: 1H-1,2,4-triazol-3-amine IUPAC name: 1H-1,2,4-triazol-3-ylamine
52.	Ammonium copper sulphate	CAS number: 13587-26-3 CAS name: ammonium copper(ii) sulfate hexahydrate IUPAC name: Ammonium copper sulphate
53.	Ammonium sulfamate	CAS number: 7773-06-0 CAS name: monoammonium sulfamate IUPAC name: ammonium sulfamidate

54.	<i>Ampelomyces quisqualis</i>	-
55.	Ancymidol	CAS number: 12771-68-5 CAS name: a-cyclopropyl-a-(4-methoxyphenyl)-5-pyrimidinemethanol IUPAC name: a-cyclopropyl-4-methoxy-a(pyrimidin-5-yl) benzyl alcohol
56.	Anilofos	CAS number: 64249-01-0 CAS name: S[2[(4chlorophenyl)(1-methylethyl) amino]-2-oxoethyl]O,O-dimethyl phosphorodithioate IUPAC name: S-4-chloro-N-isopropylcarbaniloylmethyl O,O-dimethyl phosphorodithioate
57.	Anisiflupurin	CAS number: 1089014-47-0 CAS name: 2-fluoro-N-(3-methoxyphenyl)-9H-purin-6-amine IUPAC Name : 2-fluoro-N-(3-methoxyphenyl)-9H-purin-6-amine
58.	Antu	CAS number: 86-88-4 CAS name: 1-naphthalenylthiourea IUPAC name: 1-(1-naphthyl)-2-thiourea
59.	Aramite	CAS number: 140-57-8 CAS name: 2-chloroethyl 2-[4-(1,1-dimethylethyl)phenoxy]-1-methylethyl sulfite IUPAC name: 2-(4-tert-butylphenoxy)-1-methyl ethyl 2-chloroethyl sulfite
60.	<i>Aspergillus niger</i> Strain AN27	-
61.	Asulam	CAS number: 3337-71-1 CAS name: methyl N-[(4-aminophenyl) sulfonyl] carbamate IUPAC name: methyl sulfanyl carbamates
62.	Atrazine	CAS number: 1912-24-9 CAS name: 6-chloro-N-ethyl-N'-(1-methylethyl)-1,3,5-triazine-2,4-diamine IUPAC name: 6-chloro-N2-ethyl-N4-isopropyl-1,3,5-triazine-2,4-diamine
63.	Aureofungin	CAS number: 8065-41-6 (aureofungin A is 63278-45-5, aureofungin B is 63278-44-4) CAS name: IUPAC name: mixture of aureofungin A (33-[(3-amino-3,6-dideoxy-D-mannopyranosyl)oxy]-1,3,5,7,9,11,13,15,37-nonahydroxy-17-(4-hydroxy-1-methyl-6-[4-(methylamino)phenyl]-6-oxohexyl)-18-methyl-15-oxo-16,39-dioxabicyclo[33.3.1]nonatriaconta-19,21,23,25,27,29,31-heptaene-36-carboxylic acid) and aureofungin B (33-[(3-amino-3,6-dideoxy-D-mannopyranosyl)oxy]-1,3,5,7,9,11,13,15,37-nonahydroxy-17-(4-hydroxy-1-methyl-6-oxoundeca-7,9-dienyl)-18-methyl-15-oxo-16,39-dioxabicyclo[33.3.1]nonatriaconta-19,21,23,25,27,29,31-heptaene-36-carboxylic acid)
64.	Azamethiphos	CAS number: 35575-96-3 CAS name: S-[(6-chloro-2-oxooxazolo[4,5-b]pyridin-3(2H)-yl)methyl]O,O-dimethyl phosphorothioate IUPAC name: S-6-chloro-2,3-dihydro-2-oxo-1,3-oxazolo[4,5-b]pyridin-3-ylmethyl O,O dimethyl phosphorothioate
65.	Azimsulfuron	CAS number: 120162-55-2 CAS name: N[[[(4,6-dimethoxy-2-pyrimidinyl)amino] carbonyl]-1-methyl-4-(2-methyl-2H-tetrazol-5-yl)-1H-pyrazole-5-sulfonamide IUPAC name: 1(4,6-dimethoxyprimidin-2-yl)3-[1-methyl 4-(2-methyl-2H-tetrazole-5-yl)pyrazol-5ylsulfonyl] urea
66.	Azinphos-ethyl	CAS number: 2642-71-9 CAS name: O,O-diethyl S-[(4-oxo-1,2,3-benzotriazin-3(4H)-yl)methyl] phosphorodithioate IUPAC name: S-(3,4-dihydro-4-oxobenzo[d]-[1,2,3]-triazin-3-ylmethyl)O,O-diethyl phosphorodithioate
67.	Azinphos-methyl	CAS number: 86-50-0 CAS name: O,O-dimethyl S-[(4-oxo-1,2,3-benzotriazin-3(4H)-yl)methyl] phosphorodithioate

		IUPAC name: S-3,4-dihydro-4-oxo-1,2,3-benzotriazin-3-yl methyl O,O-dimethyl phosphorodithioate
68.	Azoxystrobin	CAS number: 131860-33-8 CAS name: (E)-2-[[6-(2-cyanophenoxy)-4-pyrimidinyl]oxy]-a-(methoxymethylene)benzeneacetate IUPAC name: methyl (E)-2-{2-[6-(2-cyanophenoxy)pyrimidin-4-yl-oxy]phenyl}-3-methoxyacrylate
69.	<i>Bacillus amyloli quefaciens</i> (synonymous nomenclature of <i>Bacillus velezensis</i> )	Scientific Name: <i>Bacillus amyloli quefaciens</i>
70.	<i>Bacillus</i> species	CAS number: - CAS name: - IUPAC name: <i>Bacillus species</i>
71.	<i>Bacillus subtilis</i>	CAS number: 68038-70-0 Strain: GB03 Scientific name: <i>Bacillus subtilis Cohn</i>
72.	Bacterial Extract (Physiological Extract of Bacteria and species of Blue Green Algae) Glutamic Acid content as 'Marker'	Extract of bacterial species viz. <i>Bacillus subtilis</i> , <i>Pseudomonas straita</i> and <i>Azotobacter chroococcum</i> with extract of species of Blue green Algae " <i>A. platensis</i> "
73.	Barban	CAS number: 101-27-9 CAS name: 4-chloro-2-butyn-1-yl N(3-chlorophenyl) carbamate IUPAC name: 4-chlorobut-2-ynyl 3-chloro carbani late
74.	Barium Carbonate	CAS number: 513-77-9 CAS name: Barium monocarbonate IUPAC name: barium carbonate
75.	Barium Fluoro Silicate	CAS number: 17125-80-3 CAS name: barium hexafluorosilicate IUPAC name: barium fluoro silicate
76.	Barium Polysulfide	CAS number: 50864-67-0 CAS name: barium sulfide (Ba(Sx)) IUPAC name: barium polysulfide
77.	<i>Beauveria bassiana</i>	-
78.	Beflubutamid	CAS number: 113614-08-7 CAS name: 2-[4-fluoro-3-(trifluoromethyl)phenoxy]-N-(phenylmethyl)butanamide IUPAC name: (RS)-N-benzyl-2-( $\alpha,\alpha,\alpha,4$ -tetrafluoro-m-tolyloxy)butyramide
79.	Benalaxyl	CAS number: 71626-11-4 CAS name: methyl-N-(2,6-dimethylphenyl)-N-(phenyl acetyl) -DL-alaninate IUPAC name: methyl N-phenylacetyl-N-2,6-xylyl-DL-alaninate
80.	Benalaxyl -M	CAS number: 98243-83-5 CAS name: methyl N(2,6-dimethylphenyl)N(phenylacet yl)-D-alaninate IUPAC name: Methyl-N(Phenylacetyl)-N-(2,6-xylyl-D-ala ninate
81.	Bendiocarb	CAS number: 22781-23-3 CAS name: 2,2-dimethyl-1,3-benzodioxol-4-yl N-methyl carbamate IUPAC name: 2,2-dimethyl-1,3-benzodioxol 4-yl methyl carbamate
82.	Benfuracarb	CAS number: 82560-54-1 CAS name: 2,3-dihydro-2,2-dimethyl-7-benzofuranyl 2-methyl-4-(1-methylethyl)-7-oxo-8-oxa-3-thia-2,4-diazadecanoate (formerly ethyl N-[[[(2,3-dihydro-2,2-dimethyl-7-benzofuranyl)oxy]carbonyl]methylamino]thio] N-(1-methyl ethyl) - $\beta$ -alaninate) IUPAC name: ethyl N-[2,3-dihydro-2,2-dimethyl benzo furan-7-yloxycarbonyl (methyl) aminothio]-N-isopro pyl-b-alaninate
83.	Benfuresate	CAS number: 68505-69-1 CAS name: 2,3-dihydro-3,3-dimethyl-5benzofuranyl ethanesulfonate

		IUPAC name: 2,3-dihydro-3,3-dimethylbenzofuran-5-yl ethanensulfonate
84.	Benodanil	CAS number: 15310-01-7 CAS name: 2-iodo-N-phenylbenzamide IUPAC name: 2-iodobezanilide
85.	Benomyl	CAS number: 17804-35-2 CAS name: methyl N-[1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl] carbamate IUPAC name: methyl 1-(butylacarbamoyl) benzi midazol-2-yl carbamate
86.	Bensulfuron-methyl	CAS number: 83055-99-6 CAS name: methyl 2-[[[(4,6-dimethoxypyrimidin-2-yl) amino] carbonyl] amino] sulfonyl]methyl] benzo ate IUPAC name: $\alpha$ -[(4,6-dimethoxypyrimidin-2-ylcarbamoyl) sulfamoyl] -o-toluic acid
87.	Bensulide	CAS number: 741-58-2 CAS name: O,O-bis(1-methylethyl) S[2[(phenylsulfonyl) amino] ethyl] phosphorodithioate IUPAC name: O,O-diisopropyl S-2-phenylsulfonyl amino ethyl phosphorodithioate
88.	Bentazone	CAS number: 25057-89-0 CAS name: 3-(1-methylethyl)-1H-2,1,3-benzothia diazin-4(3H)-one 2,2-dioxide IUPAC name: 3-isopropyl-1H-2,1,3-benzothiadiazin-4 (3,H)-one 2,2-dioxide
89.	Benzene hexa chloride (BHC)	CAS number: 608-73-1 CAS name: 1,2,3,4,5,6-hexachlorocyclohexane IUPAC name: (benzene hexachloride) (1,2,3,4,5,6-hexa chlorocyclohexane (mixed isomers))
90.	Benzobicyclon	CAS number: 156963-66-5 CAS name: 3-[2-chloro-4-(methylsulfonyl)benzoyl]-4-(phenylthio)bicyclo[3.2.1]oct-3-en-2-one IUPAC name: 3-(2-chloro-4-mesylbenzoyl)-2-phenyl thiobicyclo[3.2.1]oct-2-en-4-one
91.	Benzofenap	CASNo.82692-44-2 CAS name: 2-[[4-(2,4-dichloro-3-methylbenzoyl)-1,3-dimethyl-1H-pyrazol-5-yl]oxy]-1-(4-methylphenyl)ethanone IUPAC name: 2-[[4-(2,4-dichloro-3-methylbenzoyl)-1,3-dimethyl-1Hpyrazol-5-yl]oxy]-1-(4-methylphenyl)ethanone
92.	Benzovindiflupyr	CAS number: 1072957-71-1 CAS NAME: N-[9-(dichloromethylene)-1,2,3,4-tetrahydro-1,4-methanonaphthalen-5-yl]-3-(difluoromethyl)-1-methyl-1H-pyrazole-4-carboxamide IUPAC NAME: N-[(1 <i>RS</i> ,4 <i>SR</i> )-9-(dichloromethylene)-1,2,3,4,-tetrahydro-1,4-methanonaphthalen-5-yl]-3(difluoromethyl)-1-methylpyrazole-4-carboxamide
93.	Benzoylprop-ethyl	CAS number: 22212-55-1 CAS name: Benzoylprop-ethyl IUPAC name: ethyl N-benzoyl-N-(3,4-dichlorophenyl)-DL-alaninate
94.	Benzpyrimoxan	CAS number: 1449021-97-9 CAS name: Not available, information may be sought from the applicant included in the schedule IUPAC name: 5-(1,3-dioxan-2-yl)-4-[4-(trifluoromethyl) benzyloxy] pyrimidine ”
95.	Beta-cyfluthrin	CAS number: 68359-37-5 CAS name: cyano(4-fluoro-3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2dimethylcyclopropanecarb oxylate

		IUPAC name: (RS)-a-cyano-4-fluoro-3-phenoxybenzyl (1RS, 3RS; 1RS, 3SR)-3-(2,2-dichlorovinyl)-2,2-dimethyl cyclopropanecarboxylate
96.	Beta-cypermethrin	CAS number: 52315-07-8 CAS name: cyano(3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropane carboxylate; 2 parts of enantiomer pair [(1R)1a(S*),3a] and [(1S)1a(R*),3a] with 3 parts of enantiomer pair [(1R)-1a(S*), 3b] and [(1S)-1a(R*),3b] IUPAC name: A reaction mixture comprising two enantiomeric pairs in ratio about 2:3 (S)-a-cyano-3-phenoxybenzyl (1R)-cis-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate and (R)-a-cyano-3-phenoxybenzyl (1S)-cis-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate with (S)-a-cyano-3-phenoxybenzyl (1R)-trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropane carboxylate and (R)-a-cyano-3-phenoxybenzyl (1S)-trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropane carboxylate
97.	Bifenazate	CAS number: 149877-41-8 CAS name: 2-(4-methoxy[1,1'-biphenyl]3-yl)hydrazine carboxylate IUPAC name: isopropyl 3-(4-methoxybiphenyl-3-yl)carbazate
98.	Bifenox	CAS number: 42576-02-3 CAS name: methyl 5-(2,4-dichlorophenoxy)-2-nitrobenzoate IUPAC name: methyl-5-(2,4-dichlorophenoxy)-2-nitrobenzoate
99.	Bifenthrin	CAS number: 82657-04-3 CAS name: (2-methyl[1,1'-biphenyl]-3-yl)methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropane carboxylate IUPAC name: 2-methylbiphenyl-3-ylmethyl(Z)-(1R S, 3RS)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropane carboxylate
100.	Binapacryl	CAS number: 485-31-4 CAS name: 2-(1-methylpropyl)-4,6-dinitrophenyl-3-methyl-2-butenate IUPAC name: 2-sec-butyl-4,6-dinitrophenyl-3-methylcrotonate
101.	S-Bioallethrin	CAS number: 28434-00-6 CAS name: trans-(+)-Allethrin IUPAC name: [(1S)-2-methyl-4-oxo-3-prop-2-enylcyclopent-2-en-1-yl]-(1R,3R)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropane-1-carboxylate
102.	Bioresmethrin	CAS number: 10453-54-0 CAS name: (1R-trans)[5(phenylmethyl)3-furanyl]methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropane carboxylate IUPAC name: 5-benzyl-3-furymethyl (1R)-trans-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropane carboxylate
103.	Bispyribac-Acid	CAS number: 125401-75-4 CAS name: 2,6-bis[(4,6-dimethoxy-2-pyrimidinyl)oxy]benzoic acid IUPAC name: 2,6-bis(4,6-dimethoxypyrimidin-2-yl)oxybenzoic acid
104.	Bispyribac-Sodium	CAS number: 125401-75-4 CAS name: sodium 2,6-bis[(4,6-dimethoxy-2-pyrimidinyl)oxy]benzoate IUPAC name: Sodium 2,6-bis(4,6-dimethoxypyrimidin-2-yl)oxybenzoate
105.	Bistrifluron	CAS number: 201593-84-2 CAS name: N[[[2-chloro-3,5-bis(trifluoromethyl)phenyl]amino]carbonyl]-2,6-difluorobenzamide IUPAC name: 1[2-chloro-3,5-bis(trifluoromethyl)phenyl]-3-(2,6-difluorobenzoyl)urea
106.	Bitertanol	CAS number: 55179-31-2 CAS name: $\beta$ -([1,1'-biphenyl]-4-yloxy)- $\alpha$ -(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol IUPAC name: 1-(biphenyl-4-yloxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)butan-2-ol [20:80 ratio of (1RS, 2RS) and (1RS, 2SR) isomers]

107.	Bitterbarkomycin (Plant extract of <i>Apocynum Venetum</i> ) 1a, 2a, diacetoxy-8A, 15 dissobutyl acyloxy-9a-benzyloxy-4A; 6A dihydroxy-A-dihydroxialoefuran	CAS number: 1044823-39-3 CAS name: [(1 <i>S</i> ,2 <i>S</i> ,4 <i>S</i> ,5 <i>R</i> ,6 <i>R</i> ,7 <i>S</i> ,8 <i>S</i> ,9 <i>S</i> ,12 <i>R</i> )-5-acetyloxy-2,12-dihydroxy-2,10,10-trimethyl-8-(2-methylpropoxy)-6-(2-methylpropoxymethyl)-7-phenylmethoxy-11-oxatricyclo[7.2.1.0 <sup>1,6</sup> ]dodecan-4-yl] acetate IUPAC name: [(1 <i>S</i> ,2 <i>S</i> ,4 <i>S</i> ,5 <i>R</i> ,6 <i>R</i> ,7 <i>S</i> ,8 <i>S</i> ,9 <i>S</i> ,12 <i>R</i> )-5-acetyloxy-2,12-dihydroxy-2,10,10-trimethyl-8-(2-methylpropoxy)-6-(2-methylpropoxymethyl)-7-phenylmethoxy-11-oxatricyclo[7.2.1.0 <sup>1,6</sup> ]dodecan-4-yl] acetate
108.	Bixafen	CAS number: 581809-46-3 CAS name: N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-1 H-pyrazole-4-carboxamide IUPAC name: N-(3',4'-dichloro-5-fluorobiphenyl-2-yl)-3-(difluoromethyl)-1-methyl-1 H - pyrazole-4-carboxamide
109.	Bixlozone	CAS number: 81777-95-9 CAS name: 2-(2,4-Dichlorobenzyl)-4,4-dimethylisoxazolidin-3-one IUPAC name: 2-[(2,4-dichlorophenyl)methyl]-4,4-dimethyl-1,2-oxazolidin-3-one
110.	Blasticidin-S	CAS number: 2079-00-7 CAS name: (S)-4-[[3-amino-5-[(aminoiminomethyl) methylamino]-1-oxopentyl]amino]-1[4-amino-2-oxo -1(2H)-pyrimidinyl]-1,2,3,4-tetradexy-b-D-erythro-hex-2-enopyranuronic acid IUPAC name: 1-(4-amino-1,2-dihydro-2-oxopyrimidin-1-yl)-4-[(S)-3-amino-5-(1-methylguanidino)valeramido]1,2, 3,4- tetradexy-b-D-erythrohex-2-enopyranuronic acid
111.	Boric acid	CAS number: 10043-35-3 CAS name: boric acid IUPAC name: orthoboric acid
112.	Boscalid	CAS number: 188425-86-6 CAS name: 2-chloro-N(4-chloro-biphenyl-2-yl) nicotin amide IUPAC name: 2-chloro-N-(4'-chloro[1,1'-biphenyl]-2-yl)-3-pyridinecarboxamide
113.	Brassinolide	CAS number: 72962-43-7 CAS name: 1R,3aS,3bS,6aS,8S,9R,10aR,10bS,12aS)-1 [(1 <i>S</i> ,2 <i>R</i> ,3 <i>R</i> ,4 <i>S</i> )-2,3-dihydroxy-1,4,5-trimethyl hexyl] hexa deca hydro-8,9-dihydroxy-10a,12a-dimethyl-6H-benz [c] indeno[5,4-e]oxepin-6-one IUPAC name: (3a <i>S</i> ,5 <i>S</i> ,6 <i>R</i> ,7a <i>R</i> ,7b <i>S</i> ,9a <i>S</i> ,10 <i>R</i> ,12a <i>S</i> ,12b <i>S</i> ) 10[(1 <i>S</i> ,2 <i>R</i> ,3 <i>R</i> ,4 <i>S</i> )2,3-dihydroxy-1,4,5-trimethylhexyl] hexa decahydro5,6-dihydroxy-7a,9a-dimethyl3H-benzo [c]inde no [5,4-e]oxepin-3-one
114.	Brodifacoum	CAS number: 56073-10-0 CAS name: 3-[3-(4'-bromo[1,1'-biphenyl]-4-yl)-1, 2,3,4-tetrahydro-1-naphthalenyl]-4-hydroxy-2H-1-benzopyran-2-one IUPAC name: 3-[3-(4'-bromobiphenyl-4-yl)-1,2,3,4 tetra hydro-1-naphthyl] 4- hydroxycoumarin
115.	Broflanilide	CAS number: 1207727-04-5 CAS NAME: 3-(benzoylmethylamino)-N-[2-bromo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl) ethyl]-6-(trifluoromethyl) phenyl]-2-fluorobenzamide IUPAC NAME: 6'-bromo- $\alpha,\alpha,\alpha,2$ -tetrafluoro-3-( <i>N</i> -methylbenzamido)-4'-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]benz- <i>o</i> -toluidide
116.	Bromacil	CAS number: 314-40-9 CAS name: 5-bromo-6-methyl-3-(1-methylpropyl)-2, 4(1H,3H)-pyrimidinedione IUPAC name: 5-bromo-6-methyl-3-(1-methylpropyl)-2,4 (1H, 3H)-pyrimidinedione
117.	Bromadiolone	CAS number: 28772-56-7 CAS name: 3-[3-(4'-bromo[1,1'-biphenyl]-4-yl)-3-hydro xy-1-phenylpropyl]-4-hydroxy-2H-1-benzo pyran-2-one

		IUPAC name: 3[(1RS,3RS;1RS,3SR)3(4'-bromobiphenyl -4-yl)3-hydroxy-1-phenylpropyl]4-hydroxy coumarin
118.	Bromophos	CAS number: 2104-96-3 CAS name: O-(4-bromo-2,5-dichlorophenyl) O,O-di methyl phosphorothioate IUPAC name: O-4 bromo-2,5 dichlorophenyl O,O-di methyl phosphorothioate
119.	Bromophos ethyl	CAS number: 4824-78-6 CAS name: O-(4-bromo-2,5-dichlorophenyl) O,O-diethyl phosphorothioate IUPAC name: O-4-bromo-2, 5-dichlorophenyl O,O-diethyl phosphorothioate
120.	Bromopropylate	CAS number: 18181-80-1 CAS name: 1-methylethyl 4-bromo- $\alpha$ -(4-bromophenyl)- $\alpha$ -hydroxybenzeneacetate IUPAC name: Isopropyl 4,4'-dibromobenzilate
121.	Bromoxynil	CAS number: 1689-84-5 CAS name: 3,5-dibromo-4-hydroxybenzonitrile IUPAC name: 3,5-dibromo-4-hydroxybenzonitrile
122.	Brompyrazon	CAS number: 3042-84-0 CAS name: 5-amino-4-bromo-2-phenyl3(2H)pyridazinone IUPAC name: 5-amino-4-bromo-2-phenylpyridazin-3-(2H)-one
123.	Bromuconazole	CAS number: 116255-48-2 CAS name: 1-[[4-bromo-2-(2,4-dichlorophenyl)tetra hydro-2-furanyl]methyl]-1H-1,2,4-triazole IUPAC name: 1-[(2RS, 4RS; 2RS, 4SR)-4 bromo-2-(2,4-dichlorophenyl) tetrahydrofurfuryl]-1H-1,2,4-triazole
124.	Bronopol	CAS number: 52-51-7 CAS name: 2-bromo-2-nitro-1,3-propanediol IUPAC name: 2-bromo-2-nitropropane-1,3-diol.
125.	Bufencarb	CAS number: 8065-36-9 CAS name: 3-(1-ethylpropyl)phenyl N-methyl carba mate mixture with 3(1-methylbutyl)phenyl N-methylcarba mate IUPAC name: Mixture of 3-(1-methylbutyl) phenyl methyl carba mate and 3-(1-ethylpropyl) phenyl methyl carbamate
126.	Bupirimate	CAS number: 41483-43-6 CAS name: 5-butyl-2(ethylamino)6-methyl-4-pyrimidinyl dimethylsulfamate IUPAC name: 5-butyl-2-ethylamino-6-methylpyrimi din-4-yl dimethylsulfamate
127.	Buprofezin	CAS number: 69327-76-0 CAS name: 2-[(1,1-dimethylethyl)imino]tetrahydro-3-(1-methylethyl)-5-phenyl-4H-1,3,5-thiadiazin-4-one IUPAC name: 2-tert-butylimino-3-isopropyl-5-phenyl-1,3,5-thiadiazinan-4-one
128.	<i>Burkholderia cepacia</i>	-
129.	Butachlor	CAS number: 23184-66-9 CAS name: N-(butoxymethyl)-2-chloro-N-(2,6-diethyl phenyl)acetamide IUPAC name: N-butoxymethyl-2-chloro-2',6'-di ethyl-acetanilidie
130.	Butocarboxim	CAS number: 34681-10-2 CAS name: 3-(methylthio)-2-butanone O-[(methyl amino)carbonyl]oxime IUPAC name: 3-(methylthio)butanone-O-methyl carbamoyl oxime
131.	Butralin	CAS number: 33629-47-9 CAS name: 4-(1,1-dimethylethyl)-N(1methylpropyl) -2,6-dinitrobenzenamine IUPAC name: N-sec-butyl-4-tert-butyl-2,6-di-nitro aniline



132.	Buturon	CAS number: 3766-60-7 CAS name: N'(4-chlorophenyl)N-methyl-N(1-methyl-2-propyn-1-yl)urea IUPAC name: 3-(4-chlorophenyl)-1-methyl-1-1-methyl prop-2-ynyl)urea
133.	Butylate	CAS number: 2008-41-5 CAS name: S-ethyl N,N-bis(2-methylpropyl)carbamothio ate IUPAC name: S-ethyl-di-isobutylthiocarbamate
134.	Cadmium based compounds	CAS number: 10108-64-2(CdCl <sub>2</sub> ),10124-36-4 (CdSO <sub>4</sub> ),141-00-4 (C <sub>4</sub> H <sub>4</sub> CdO <sub>4</sub> ) CAS name: cadmium chloride, cadmium sulphate, cadmium succinate IUPAC name: dichlorocadmium , cadmium(2+);sulfate , butanedioate;cadmium(2+)
135.	Cadusafos * *Ammended vide notification 744(E) dated 16/11/2004	CAS number: 95465-99-9 CAS name: O-ethyl S,S-bis(1-methylpropyl) phosphoro dithioate IUPAC name: S,S-di-sec-butyl-O-ethyl phosphorodi thio ate
136.	Calcium Arsenate	CAS number: 7778-44-1 CAS name: arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ) calcium salt (2:3) IUPAC name: calcium arsenate
137.	Calcium copper sulphate/ Copper calcium sulphate	CAS number: 8011-63-0 CAS NAME: Bordeaux mixture IUPAC NAME: A mixture, with or without stabilizing agents, of calcium hydroxide and copper (II) sulfate
138.	Calcium polysulfide	CAS number:1344-81-6 CAS name: calcium sulfide (Ca(S <sub>x</sub> )) IUPAC name: calcium polysulfide
139.	Calicum Cyanide	CAS number: 592-01-8 CAS name: calcium cyanide (Ca(CN) <sub>2</sub> ) IUPAC name: calcium cyanide
140.	Camphechlor	CAS number: 8001-35-2 CAS name:1,4,5,6,7,7-hexachloro-2,2-bis(chloromethyl)-3-methylidenebicyclo[2.2.1]heptane IUPAC name: 1,4,5,6,7,7-hexachloro-2,2-bis(chloromethyl)-3-methylidenebicyclo[2.2.1]heptane A reaction mixture of chlorinated camphenes containing 67-69% chlorine
141.	Campogram M	CAS number,CAS name: Not available IUPAC name: 2,5-dimethyl-furan 3-carbonic acid anilide and Zinc manganese ethylenebis-dithiocarbamate
142.	<i>Candida oleophila</i>	Not applicable
143.	Captafol	CAS number: 2425-06-1 CAS name: 3a,4,7,7a-tetrahydro-2[(1,1,2,2-tetrachloro ethyl)thio]-1H-isoindole-1,3(2H)-dione IUPAC name: N-(1,1,2,2-tetrachloroethylthio)cyclohex-4-ene-1,2-dicarboximide
144.	Captan	CAS number: 133-06-2 CAS name: 3a,4,7,7a-tetrahydro-2[(trichloromethyl) thio]-1H-isoindole-1,3(2H)-dione IUPAC name: N-(trichloromethylthio) cyclohex-4-ene, 1,2-dicarboximide
145.	Carbaryl	CAS number: 63-25-2 CAS name: 1-naphthalenyl N-methylcarbamate IUPAC name:1-naphthylmethyl carbamate
146.	Carbendazim	CAS number: 10605-21-7 CAS name:methyl N-1H-benzimidazol-2ylcarbamate IUPAC name: methylbenzimidazol-2-ylcarbamate
147.	Carbofuran	CAS number: 1563-66-2 CAS name: 2,3-dihydro-2,2-dimethyl-7-benzofuranyl N-methylcarbamate

		IUPAC name: 2,3-dihydro-2,2-dimethyl benzofuran -7-yl methyl carbamate
148.	Carbon disulphide	CAS number: 75-15-0 CAS name: carbon disulfide IUPAC name: carbon disulphide
149.	Carbon tetrachloride	CAS number: 56-23-5 CAS name: tetrachloromethane IUPAC name: carbon tetrachloride
150.	Carbophenothion	CAS number: 786-19-6 CAS name: S-[[4-(chlorophenyl)thio]methyl] O,O-di ethyl phosphorodithioate IUPAC name: S-4-chlorophenylthiomethyl O,O-di ethyl phosphorodithioate
151.	Carbosulfan	CAS number: 55285-14-8 CAS name: 2,3-dihydro-2,2-dimethyl-7-benzo furanyl N-[(dibutylamino)thio]-N-methylcarbamate IUPAC name: 2,3-dihydro-2,2-dimethyl benzo furan -7-yl [(dibutylaminothio) methyl carbamate
152.	Carboxin	CAS number: 5234-68-4 CAS name: 5,6-dihydro-2-methyl-N-phenyl-1,4-oxa thi in-3-carboxamide IUPAC name: 5, 6-dihydro-2-methyl-1,4-oxathi-ine-3-carboxanilide
153.	Carfentrazone-ethyl	CAS number: 128621-72-7 CAS name: a,2-dichloro-5-[4-(difluoromethyl)-4,5-di hydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]-4-fluorobenzenepropanoate IUPAC name: ethyl (RS) -2-chloro-3-[2-chloro-5-(4-di fluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol -1-yl-4-fluorophenyl]-propionate
154.	Carpropamid	CAS number: 104030-54-8 CAS name: A mixture of [1R-[1a(R*),3b]]-2,2-di chloro-N[1(4-chlorophenyl)ethyl]1-ethyl-3-methylcyclo propane carboxamide,[1S-[1a(S*),3b]]-2,2-dichloro-N[1(4-chloro phenyl)ethyl]1-ethyl-3-methyl cyclopropanecarbox amide, [1S-[1a(R*),3b]]-2,2-dichloro-N-[1(4-chlorophenyl) ethyl] 1-ethyl-3-methylcyclopropane carboxamide, and [1R-[1a(S*), 3b]]-2, 2-dichloro-N [1(4chlorophenyl)ethyl]-1ethyl-3-methyl cyclopropane carboxamide IUPAC name: A mixture of (1R,3S)-2,2-dichloro-N-[(R)-1-(4-chloro phenyl)ethyl]-1-ethyl-3-methyl cyclo propane carboxamide(1S,3R)-2,2-dichloro-N[(R)1-(4-chlorophenyl) ethyl]-1-ethyl-3-methylcyclopropane carbox amide (1S, 3R)-2,2-dichloro-N-[(S)-1-(4-chloro phenyl) ethyl]-1ethyl-3-methylcyclopropane carbox amide, and (1R, 3S)-2,2-dichloro-N-[(S)-1-(4-chloro phenyl) ethyl] -1-ethyl methylcyclo propane carbox amide where the first two cited comprises at least 95% of the total.
155.	Cartap	CAS number: 15263-53-3 CAS name: S,S'-[2-(dimethylamino)-1,3-propane diyl] dicarbamoithioate IUPAC name: S, S'-(2-dimethylaminotrimethylene) bis (thiocarbamate)
156.	Cartap hydrochloride	CAS number: 15263-52-2 CAS name: 2-(Dimethylamino)-1,3-propanedithiol dicarbamate hydrochloride IUPAC name: S-[3-carbamoylsulfanyl-2-(dimethylamino)propyl] carbamoithioate;hydrochloride
157.	CECA	CAS number: 17756-81-9 CAS name: 2-chloro-n-(2-cyanoethyl)-acetamid IUPAC name: 2-chloro-N (2-cyanoethyl) acetamide
158.	<i>Chaetomium globosum</i>	-
159.	Chinomethionat	CAS number: 2439-01-2 CAS name: 6-methyl-1,3-dithiolo[4,5-b] quinoxalin-2-one IUPAC name: S,S-(6-methylquinoxaline-2,3-diyl) di thio carbonate

160.	Chloramben	CAS number: 133-90-4 CAS name: 3-amino-2,5-dichlorobenzoic acid IUPAC name: 3-amino-2,5-dichlorobenzonic acid
161.	Chlorantraniliprole	CAS number: 500008-45-7 CAS name: 3-bromo-N-[4-chloro-2-methyl-6-[(methyl amino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide IUPAC name: 3-bromo-4'-chloro-1-(3-chloro-2-pyridinyl)-2'-methyl-6'-(methylcarbamoyl)pyrazole-5-carboxamide
162.	Chlorbenside	CAS number: 103-17-3 CAS name: 1-chloro-4-[(4-chlorophenyl)methyl]thio] benzene IUPAC name: 4-chlorobenzyl-4-chlorophenyl sulfide
163.	Chlorbufam	CAS number: 1967-16-4 CAS name: 1-methyl-2-propyn-1-yl N-(3-chlorophenyl) carbamate IUPAC name: 1-methylprop-2-ynyl-3-chlorocarbamate
164.	Chlordane	CAS number: 57-74-9 CAS name: 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H-indene IUPAC name: 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methanoindene
165.	Chlorfenac	CAS number: 85-34-7 CAS name: 2,3,6-trichlorobenzeneacetic acid IUPAC name: (2,3,6-trichlorophenyl) acetic acid
166.	Chlorfenapyr	CAS number: 122453-73-0 CAS name: 4-bromo-2-(4-chlorophenyl)1(ethoxymethyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile IUPAC name: 4-bromo-2-(4-chlorophenyl)-1-ethoxy methyl-5-trifluoromethyl pyrrole-3-carbonitrile
167.	Chlorfenson	CAS number: 80-33-1 CAS name: 4-chlorophenyl 4-chlorobenzene sulfonate IUPAC name: 4-chlorophenyl-4-chlorobenzene sulfonate
168.	Chlorfensulphide	CAS number: 2274-74-0 CAS name: 1-[(4-chlorophenyl)thio]-2-(2,4,5-trichlorophenyl)diazene IUPAC name: 4-chlorophenyl 2,4,5-trichlorophenyl azo sulphide
169.	Chlorfenvinphos	CAS number: 470-90-6 CAS name: 2-chloro-1-(2,4-dichlorophenyl)ethenyldiethyl phosphate IUPAC name: 2-chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphate
170.	Chlorfluazuron	CAS number: 71422-67-8 CAS name: N-[[[3,5-dichloro-4-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]oxy]phenyl]amino] carbonyl]-2,6-difluorobenzamide IUPAC name: 1-[3,5-dichloro-4-(3-chloro-5-trifluoromethyl-2-pyridinyloxy)phenyl]-3-(2,6-difluorobenzoyl)urea
171.	Chlorfonium Chloride	CAS number: 115-78-6 CAS name: tributyl[(2,4-dichlorophenyl)methyl] phosphonium chloride IUPAC name: tributyl (2,4-dichlorobenzyl) phosphoniumchloride
172.	Chloridazon	CAS number: 1698-60-8 CAS name: 5-amino-4-chloro-2-phenyl-3(2H)-pyridazinone IUPAC name: 5-amino-4-chloro-2-phenylpyridazin-3(2H)-one
173.	Chlorimuron-ethyl	CAS number: 90982-32-4 CAS name: 2-[[[(4-chloro-6-methoxy-2-pyrimidinyl) amino]carbonyl]amino]sulfonyl]benzoate IUPAC name: ethyl 2-(4-chloro-6-methoxypyrimidin-2-yl carbomoyl sulfonyl) benzoate
174.	Chlorine Dioxide	CAS number: 10049-04-4 CAS name: Chlorine Dioxide IUPAC name: Chlorine Dioxide
175.	Chlormequat Chloride	CAS number: 999-81-5 CAS name: Chlormequat chloride IUPAC name: 2-chloroethyl trimethyl ammonium chloride

176.	Chlorobenzilate	CAS number: 510-15-6 CAS name: Ethyl2,2-bis(4-chlorophenyl)2hydroxy acetate IUPAC name: ethyl 4,4-dichlorobenzilate
177.	Chlorofenethol	CAS number: 80-06-8 CAS name: 4,4'-Dichloro-alpha-methylbenzhydrol IUPAC name: 1,1-bis(4-chlorophenyl)ethanol
178.	Chloroneb	CAS number: 2675-77-6 CAS name: 1,4-dichloro-2,5-dimethoxybenzene IUPAC name: 1,4-dichloro-2,5-dimethoxybenzene
179.	Chlorophacinone	CAS number: 3691-35-8 CAS name: 2-[(2RS)-2-(4-chlorophenyl)-2-phenyl acetyl] indan-1,3-dione IUPAC name: 2[2(4-chlorophenyl)2-phenylacetyl] indan-1,3-dione
180.	Chloropicrin	CAS number: 76-06-2 CAS name: trichloronitromethane IUPAC name: trichloronitro methane
181.	Chlorothion	CAS number: 500-28-7 CAS name: Chlorothion IUPAC name: O-3-chloro-4-nitrophenyl O,O-dimethyl phosphorothioate
182.	Chlorotoluron	CAS number: 15545-48-9 CAS name: N'-(3-chloro-4-methylphenyl)-N,N-di methyl urea IUPAC name: 3-(3-chloro-p-tolyl)-1,1-dimethylurea
183.	Chloroxuron	CAS number: 1982-47-4 CAS name: N'[4-(4-chlorophenoxy)phenyl]N,N-di methyl urea IUPAC name: 3[4(4-Chlorophenoxy)phenyl]1,1-di methyl urea
184.	Chloropropane	CAS number: 540-54-5 CAS name: 1-Chloropropane IUPAC name: Chloropropane
185.	Chlorpropham	CAS number: 101-21-3 CAS name: 1-methyl ethyl-N(3-chlorophenyl)-carbamate IUPAC name: Isopropyl 3-chlorocarbamilate
186.	Chlorpyrifos	CAS number: 2921-88-2 CAS name: O,O-diethyl O(3,5,6-trichloro-2-pyridinyl) phosphorothioate IUPAC name: O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate
187.	Chlorpyrifos-methyl	CAS number: 5598-13-0 CAS name: O,O-dimethyl O-(3,5,6-trichloro-2-pyridinyl) phosphorothioate IUPAC name: O,O-dimethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate
188.	Chlorquinox	CAS number: 3495-42-9 CAS name: 5,6,7,8-tetrachloroquinoxaline IUPAC name: 5,6,7,8-tetrachloroquinoxaline
189.	Chlorsulfuron	CAS number: 64902-72-3 CAS name: 2-chloro-N-[[4-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl] benzenesulfonamide IUPAC name: 1-(2-chlorophenylsulfonyl)-3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)urea
190.	Chlorthal-dimethyl	CAS number: 1861-32-1 CAS name: dimethyl tetrachloroterephthalate IUPAC name: dimethyl 2,3,5,6-tetrachloro-1,4-benzene dicarboxylate
191.	Chlorothalonil	CAS number: 1897-45-6 CAS name: Tetrachloroisophthalonitrile IUPAC name: 2,4,5,6-tetrachlorobenzene-1,3-dicarbonitrile
192.	Chromafenozide	CAS number: 143807-66-3 CAS name: 3,4-dihydro-5-methyl-2H-1-benzopyran-6-carboxylic acid 2-(3,5-dimethylbenzoyl)-2-(1,1-dimethyl ethyl) hydrazide

		IUPAC name: 2'-tert-butyl-5-methyl-2'-(3,5-xyloyl)chro mane-6-carbohydrazide
193.	Cinnamaldehyde	CAS number: 104-55-2 CAS name: Cinnamaldehyde IUPAC Name : (E)-3-phenylprop-2-enal
194.	Cinmethylin	CAS number: 87818-31-3 CAS name: exo-(±)-1-methyl-4-(1-methylethyl)-2-[(2-methylphenyl)methoxy]-7-oxabicyclo[2.2.1] heptane IUPAC name: (1R,2SR,4SR)-1,4-epoxy-p-menth-2-yl 2 -methylbenzyl ether
195.	Cinosulfuron	CAS number: 94593-91-6 CAS name: N-[[[4,6-dimethoxy-1,3,5-triazin-2-yl]amino] carbonyl]-2-(2-methoxyethoxy)benzene sulfonamide IUPAC name: 1-(4,6-dimethoxy-1,3,5-triazin-2-yl)-3-[2-(2-methoxyethoxy) phenyl sulfonyl] urea
196.	Citowett	CAS number: 39342-50-2 CAS name: Citowett IUPAC name: alkylaryl polyglykol ether
197.	Clethodim	CAS number: 99129-21-2 CAS name: (E,E)-(±)-2-[1-[[[3-chloro-2-propenyl] oxy] imino]propyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one IUPAC name: (+)-2-[(E)-1-(E)-3 chloro allyloxyimino] Propyl]-5-[2-(ethylthio)-propyl]-3-hydroxycyclohex-2-enone
198.	CLM	CAS number: 888042-38-4 CAS name:(Z,Z,E)-7,11,13-Hexadecatrienal IUPAC name: (7Z,11Z,13E)-hexadeca-7,11,13-trienal
199.	Clodinafop Propargyl* * Ammended vide GSR no. 181 (E) dated 13/03/2001	CAS number: 105512-06-9 CAS name: (R)-2-[4-[(5-chloro-3-fluoro-2-pyridinyl) oxy] phenoxy]propanoate IUPAC name: prop-2-ynyl (R)-2-[4-(5-chloro-3-fluoropyridin-2-yl)oxy]phenoxy]propionate
200.	Clofentezine	CAS number: 74115-24-5 CAS name: 3,6-bis(2-chlorophenyl)1,2,4,5-tetrazine IUPAC name: 3,6-bis(2-chlorophenyl)1,2,4,5-tetrazine
201.	Clomazone	CAS number: 81777-89-1 CAS name: 2-[(2-chlorophenyl)methyl]-4,4-dimethyl-3-isoxazolidinone IUPAC name: 2-(2-chlorobenzyl)-4,4-dimethyl-1,2-oxazolidin-3-one
202.	Clopyralid	CAS number: 1702-17-6 CAS name: 3,6-dichloro-2-pyridinecarboxylic acid IUPAC name: 3,6-dichloropyridine-2-carboxylic acid
203.	Cloransulam-methyl	CAS number: 147150-35-4 CAS name: methyl 3-chloro-N-(5-ethoxy-7-fluoro[1,2,4]triazolo[1,5-c]pyrimidin-2-ylsulfonyl)anthranilate IUPAC name: methyl 3-chloro-2-(5-ethoxy-7-fluoro[1,2,4]triazolo[1,5-c]pyrimidin-2-ylsulfonamido)benzoate
204.	Clothianidin	CAS number: 210880-92-5 CAS name: (E)-N-[(2-chloro-5-thiazolyl)methyl]-N'-methyl-N'-nitroguanidine IUPAC name: (E)1(2-chloro-1,3-thiazol-5yl methyl) -3-methyl-2-nitroguanidine
205.	<i>Coniocytrium minitans</i>	-
206.	Copper aceto arsenate (Paris Green)	CAS number: 12002-03-8 CAS name: C.I. Pigment Green 21 IUPAC name: copper aceto arsenite
207.	Copper arsenate	CAS number: 7778-41-8 CAS name: arsenic acid (H3AsO4) copper(2+) salt (2:3) IUPAC name: copper arsenate

208.	Copper cyanide	CAS number: 544-92-3 CAS name: Copper(I) cyanide IUPAC name: copper cyanide
209.	Copper Hydroxide	CAS number: 20427-59-2 CAS name: copper hydroxide (Cu(OH) <sub>2</sub> ) IUPAC name: Copper hydroxide
210.	Copper naphthanate	CAS number: 1338-02-9 CAS name: copper naphthenates IUPAC name: copper naphthanate
211.	Copper oxy chloride	CAS number: 1332-40-7 CAS name: copper chloride oxide hydrate IUPAC name: copper oxychloride
212.	Copper sulfate (tribasic)	CAS number: 1333-22-8 CAS NAME: copper hydroxide sulfate IUPAC NAME: cupric sulfate-tricupric hydroxide
213.	Copper sulphate	CAS number: 7758-98-7 CAS name: sulfuric acid copper(2+) salt (1:1) IUPAC name: copper sulphate
214.	Coumachlor	CAS number: 81-82-3 CAS name: 3-[1(4-chlorophenyl)3-oxobutyl]4-hydroxy -2H-1-benzopyran-2-one IUPAC name: 3-[1-(4-chlorophenyl)-3-oxobutyl]-4-hydroxycoumarin
215.	Coumafuryl	CAS number: 117-52-2 CAS name: 3-[1-(2-furanyl)-3-oxobutyl]-4-hydroxy-2H-1-benzopyran-2-one IUPAC name: 3-[1-(2-furyl)-3-oxobutyl]-4-hydroxy cou marin
216.	Coumaphos	CAS number: 56-72-4 CAS name: O(3-chloro-4-methyl-2-oxo-2H-1-benzo pyran -7-yl) O,O-diethyl phosphorothioate IUPAC name: O-3-Chloro-4-methyl-2-oxo-2H-chromen-7-yl O,O-diethyl phosphorothioate
217.	Coumatetrayl	CAS number: 5836-29-3 CAS name: 4-hydroxy-3-(1,2,3,4-tetrahydro-1-naphth alenyl)-2H-1-benzopyran-2-one IUPAC name: 4-hydroxy-3-(1,2,3,4-tetrahydro-1-naph thyl) coumarin
218.	Colpidol	CAS number: 2971-90-6 CAS name: 3,5-dichloro-2,6-dimethylpyridin-4-ol IUPAC name: 3,5-dichloro-6-dimethyl-4-pyridinol
219.	Cuprous oxide	CAS number: 1317-39-1 CAS name: Cuprous oxide IUPAC name: copper (I) oxide
220.	Cyanamide (Hydrogen cyanamide)	CAS number: 420-04-2 CAS name: cyanamide IUPAC name: carbamic acid nitrile
221.	Cyanazine	CAS number: 21725-46-2 CAS name: 2[[4-chloro-6-(ethylamino)1,3,5-tri azin-2-yl] amino]-2-methylpropanenitrile IUPAC name: 2-(4-chloro-6-ethylamino-1,3,5-tri azin-2-ylamino)-2-methylpropiono nitrile
222.	Cyanophos	CAS number: 2636-26-2 CAS name: O(4-cyanophenyl)O,O-dimethylphosphoro thioate IUPAC name: O-4-cyanophenyl O,O-dimethylphos phoro thioate
223.	Cyantraniliprole	CAS number: 736994-63-1 CAS name: 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-(methylamino)carbonyl]phenyl]-1H -pyrazole-5-carboxamide IUPAC name: 3-bromo-1-(3-chloro-2-pyridyl)4'cyano -2' -methyl-6'-(methylcarbamoyl)pyrazole-5-carboxani lide
224.	Cyazofamid	CAS number: 120116-88-3 CAS name: 4-chloro-2-cyano-N,N-dimethyl-5-(4-methyl phenyl)-1H-imidazole-1-sulfonamide

		IUPAC name: 4-chloro-2-cyano-N,N-dimethyl-5-poly limidazole-sulfonamide
225.	Cyclanilide	CAS number: 113136-77-9 CAS name: 1-[(2,4-dichlorophenyl)amino]carbonyl cyclopropanecarboxylic acid IUPAC name: 1(2, 4-dichlorophenyl) amino (carbon yl) cyclopropane carboxylic acid
226.	Cyclaniliprole	CAS number: 1031756-98-5 CAS name: 3-bromo-N-[2-bromo-4-chloro-6-[[1-cyclopropylethyl]amino]carbonyl]phenyl]-1-(3-chloropyridin-2-yl)-1H-pyrazole-5-carboxamide IUPAC name:2,3- dibromo-4-chloro-1-(3- chloro-2-pyridyl)-6-[[1(1RS)-1-cyclopropylethyl] carbamoyl] pyrazole-5-carboxanilide
227.	Cycloate	CAS number: 1134-23-2 CAS name: S-ethyl N-cyclohexyl-N-ethylcarbamothioate IUPAC name: S-ethyl N-cyclohexyl (N-ethyl) thio carbamate
228.	Cyclobutrifluram	CASNo.1460292-16-3 CAS name: rel-N-[(1R,2R)-2-(2,4-dichlorophenyl)cyclobutyl]-2-(trifluoromethyl)-3-pyridinecarboxamide IUPAC name: mixture comprised of 80–100% N-[(1S,2S)-2-(2,4-dichlorophenyl) cyclobutyl]-2-(trifluoromethyl)nicotinamide and 20–0% of the (1R,2R)-enantiomer.
229.	Cyclomoph	CAS number: 31717-87-0 CAS name: Cyclomoph IUPAC name: N-Cyclodecyl-2,6-dimethyl-morpholin acetate
230.	Cyclopyrimorate	CASNo.499231-24-2 CAS Name-6-chloro-3-(2-cyclopropyl-6-methylphenoxy)pyridazin-4-ylmorpholine-4-carboxylate IUPAC name: [6-chloro-3-(2-cyclopropyl-6-methylphenoxy)pyridazin-4-yl]morpholine-4-carboxylate
231.	Cyclosulfamuron	CAS number: 136849-15-5 CAS name: N-[[[2-(cyclopropylcarbonyl) phenyl] amino]sulfonyl]-N'(4,6-dimethoxy-2pyrimidinyl) urea IUPAC name: 1-[2-(cyclopropyl carbonyl)phenyl sulfamoyl]-3-(4,6-dimethoxypyrimidin-2-yl) urea
232.	Cycloxydim	CAS number: 101205-02-1 CAS name: cycloxydim IUPAC name: (+)-2-[1-(ethoxyimino)butyl]-3-hydroxy-5-thian-3-yl cyclohex-2-enone
233.	Cycluron	CAS number: 2163-69-1 CAS name: N'-cyclooctyl-N,N-dimethylurea IUPAC name: 3-cyclo-octyl-1,1-dimethyl urea
234.	CYDIA	CAS number: 33956-49-9 CAS name: N'-cyclooctyl-N,N-dimethylurea IUPAC name8,10-Dodecadien-1-ol
235.	Cyenopyrafen	CAS number: 560121-52-0 CAS name: (1E)2-cyano-2[4-(1,1-dimethylethyl) phen yl] -1-(1,3,4-trimethyl-1H-pyrazol-5-yl)ethenyl 2,2-dimethyl propanoate IUPAC name: (E)2(4-tert-butylphenyl)-2-cyano-1(1,3, 4-trimethylpyrazol-5-yl)vinyl 2,2-dimethylpropionate
236.	Cyflufenamid	CAS number: 180409-60-3 CAS name: [N(Z)]-N-[(cyclopropylmethoxy)amino] [2,3-difluoro-6-(trifluoromethyl) phenyl] methylene] benzene acetamide IUPAC name: (Z)-N-[α-(cyclopropylmethoxyimino)-2, 3-difluoro-6(trifluoromethyl)benzyl]2-phenylacetamide
237.	Cyflumetofen	CAS number: 400882-07-7 CAS name: 2-methoxyethyl α-cyano-α-[4-(1,1-dimethylethyl)phenyl]β-oxo-2-(trifluoromethyl)benzenepropanoate IUPAC name: 2-methoxyethyl (RS)-2-(4-tert-butyl phenyl)2-cyano-3-oxo-3(α,α,α-trifluoro-o-tolyl) propionate

238.	Cyfluthrin	CAS number: 68359-37-5 CAS name: cyano(4-fluoro-3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropane carboxy late IUPAC name: (RS)-a-cyano-4-fluro-3-phenoxy benzyl (1RS, 3RS; 1RS, 3SR)-3-(2, 2-dichlorovinyl)-2,2-dimethyl cyclopropanecarboxylate
239.	Cyhalofop-butyl	CAS number: 122008-85-9 CAS name: butyl(R)-2-[4-(4cyano-2-fluorophenoxy) phenoxy]propanoate IUPAC name: butyl (R)-2-[4-(4-cyano-2-fluorophen oxy) phenoxy] propionate
240.	Cyhalothin	CAS number: 68085-85-8 CAS name: cyano(3-phenoxyphenyl)methyl (1R,3R) -rel-3[(1Z)-chloro-3,3,3-trifluoro-1-propen-1-yl]2,2-dimethyl cyclopropanecarboxylate IUPAC name: (RS)-α-cyano-3-phenoxybenzyl (1RS) -cis-3[(Z)-chloro-3,3,3-trifluoropropenyl]-2,2-di methylcyclopropanecarboxylate
241.	Lamda Cyhalothrin	CAS number: 91465-08-6 CAS name: cyclopropanecarboxylic acid, 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester IUPAC name: [(R)-cyano-(3-phenoxyphenyl)methyl] (1S,3S)-3-[(Z)-2-chloro-3,3,3-trifluoroprop-1-enyl]-2,2-dimethylcyclopropane-1-carboxylate
242.	Cyhexatin	CAS number: 13121-70-5 CAS name: tricyclohexylhydroxystannane IUPAC name: tricyclohexyltin hydroxide
243.	Cymoxanil	CAS number: 57966-95-7 CAS name: 2-cyano-N[(ethylamino)carbonyl]2-(methoxy imino)acetamide IUPAC name: 1(2-cyano-2-methoxyiminoacetyl)-3-ethyl urea
244.	Cyanogen	CAS number: 460-19-5 CAS name: Ethaneditrile IUPAC Name: oxalonitrile
245.	Cypermethrin	CAS number: 52315-07-8 CAS name: cyano(3-phenoxyphenyl)methyl 3-(2,2-di chloroethenyl)-2,2-dimethylcyclopropanecarboxy late IUPAC name: (RS)-a-cyano-3-phenoxybenzyl(1 RS, 3RS; 1RS,3SR)3(2,2-dichlorovinyl)2,2-dimethylcyclo propane carboxylate
246.	Cyphenothrin	CAS number: 39515-40-7 CAS name: cyano(3-phenoxyphenyl)methyl 2,2-di methyl -3-(2-methyl-1-propen-1-yl)cyclopropanecar boxylate IUPAC name: (RS)-a-cyano-3-phenoxybenzyl (1RS, 3RS; 1RS, 3SR)-2,2-dimethyl-3-(2-methylprop-1- enyl) cyclo propanecarboxylate
247.	Cyproconazole	CAS number: 94361-06-5 CAS name: a-(4-chlorophenyl)-a-(1-cyclopropyl ethyl)-1H-1,2,4-triazol-1-ethanol IUPAC name: (2RS,3RS; 2RS, 3SR)-2-(4-chloro phenyl)-3-cyclopropyl-1-(1H-1,2,4-triazol-1-yl) butan-2-ol
248.	Cyprodinil	CAS number: 121552-61-2 CAS name: 4 cyclopropyl-6-methyl- N-phenyl -2-pyrimidinamine IUPAC Name: 4 cyclopropyl-6-methyl- N-phenyl pyrimidin-2-amine
249.	Cyromazine	CAS number: 66215-27-8 CAS name: N-cyclopropyl-1,3,5-triazine-2,4,6-tri amine IUPAC name: N-cyclopropyl-1,3,5-triazine-2,4,6-triamine
250.	Daimuron	CAS number: 42609-52-9 CAS name: N-(4-methylphenyl)N'(1-methyl-1-phenyl ethyl)urea IUPAC name: 1-(1-methyl-1-phenyl ethyl)-3-p-tolyl urea
251.	Dalapon	CAS number: 75-99-0 CAS name: 2,2-dichloropropanoic acid IUPAC name: 2, 2, dichloropropionic acid



252.	Daminozide	CAS number: 1596-84-5 CAS name: butanedioic acid mono(2,2-dimethyl hydr azide) IUPAC name: N-dimethylamino succinamic acid
253.	Dazomet	CAS number: 533-74-4 CAS name: tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine -2-thione IUPAC name: 3,5-dimethyl-1,3,5-thiadiazinane-2-thione
254.	D-D mixture	CAS number: 8070-56-2 CAS name: 1,2-Dichloropropane with 1,3-dichloro propene IUPAC name: 1,2-dichloropropane with 1,3-dichloro propene
255.	Decarbofuran	CAS number: 1563-67-3 CAS name: 2,3-dihydro-2-methyl-7-benzofuranyl N-methylcarbamate IUPAC name: 2,3-dihydro-2-methylbenzofuran-7-yl-methylcarbamate
256.	Decazolin	CAS number: 21810-68-4 CAS name: Decazolin IUPAC name: 1-(alpha,alpha-dimethyl-beta-acet oxy propionyl)-3-isopropyl-2,4-dioxodecahydro quinazoline
257.	Deltamethrin	CAS number: 52918-63-5 CAS name: (S)-cyano(3-phenoxyphenyl)methyl (1R,3R)-3(2,2-dibromoethenyl)2,2-dimethylcyclo propanecarboxy late IUPAC name: (S)- $\alpha$ -cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclo propane carboxylate
258.	Demeton-O	CAS number: 298-03-3 CAS name: O,O-diethyl O-[2-(ethylthio)ethyl] phos phoro thioate IUPAC name: O,O-diethyl O-2-ethylthioethyl phos phoro thioate
259.	Demeton-S	CAS number: 126-75-0 CAS name: O,O-diethyl S[2-(ethylthio)ethyl]phosphoro thioate IUPAC name: O,O-diethyl S-2ethylthioethyl phosphoro thioate
260.	Demeton-S-methyl	CAS number: 919-86-8 CAS name: S[2(ethylthio)ethyl]O,O-dimethyl phosphoro thioate IUPAC name: S-2-ethylthioethyl O,O-dimethyl phosphoro thioate
261.	DEPA	CAS number: 2431-96-1 CAS name: N,N-Diethyl-2-Phenylacetamide IUPAC name: N-diethyl-phenyl acetamide
262.	Desmedipham	CAS number: 13684-56-5 CAS name: ethyl 3-[[[(phenylamino)carbonyl] oxy] phenyl] carbamate IUPAC name: ethyl 3-phenylcarbamoyloxy phenyl carbamate
263.	Desmetryn	CAS number: 1014-69-3 CAS name: N-methyl-N'-(1-methylethyl)-6-(methyl thio)-1,3,5-triazine-2,4-diamine. IUPAC name: N2-isopropyl-N4-methyl-6-methylthio-1,3, 5-triazine-2,4-diamine
264.	Diafenthuron	CAS number: 80060-09-9 CAS name: N-[2,6-bis(1-methylethyl)-4-phenoxy phenyl] -N'-(1,1-dimethylethyl)thiourea IUPAC name: 1-tert-butyl-3-(2,6-di-isopropyl-4-phen oxyphenyl)-thiourea
265.	Diazinon	CAS number: 333-41-5 CAS name: O,O-diethyl O-[6-methyl-2-(1-methyl ethyl)-4-pyrimidinyl] phosphorothioate IUPAC name: O,O-diethyl-O-2-isopropyl-6-methyl pyri midin-4-yl-phosphorothioate
266.	Dibromochloropropane	CAS number: 96-12-8 CAS name: 1,2-Dibromo-3-chloropropane IUPAC name: 1,2-dibromo-3-chloropropane
267.	Dicamba	CAS number: 1918-00-9 CAS name: 3,6-dichloro-2-methoxybenzoic acid IUPAC name: 3,6-dichloro-o-anisic acid
268.	Dichlobenil	CAS number: 1194-65-6 CAS name: 2,6-dichlorobenzonitrile IUPAC name: 2,6-dichlorobenzonitrile

269.	Dichlofenthion	CAS number: 97-17-6 CAS name: O-(2,4-dichlorophenyl) O,O-diethyl phos phorothioate IUPAC name: O-2, 4-dichlorophenyl O,O-diethyl phos phorothioate
270.	Dichlone	CAS number: 117-80-6 CAS name: 2,3-dichloro-1,4-naphthalenedione IUPAC name: 2,3-dichloro-1,4-naphthoquinone
271.	Dichlormid	CAS number: 37764-25-3 CAS name: N,N-Diallyldichloroacetamide IUPAC name: 2,2-dichloro-N,N-bis(prop-2-enyl)acetamide
272.	Dichloro diphenyl dichlorethane TDE (DDD)	CAS number: 72-54-8 CAS name: 1,1'(2,2-dichloroethylidene)bis[4-chloro benzene] IUPAC name: 1,1dichloro-2, 2-bis(4-chlorophenyl) ethane
273.	Dichloro diphenyl trichloroethane (DDT)	CAS number: 50-29-3 CAS name: 1, 1'-(2,2,2-trichloroethylidene) bis-[4-chloro benzene] IUPAC name: 1,1,1trichloro-2,2-bis(4chlorophenyl) ethane
274.	Dichlorophen (Antiphen)	CAS number: 97-23-4 CAS name: 2,2'-methylenebis[4-chlorophenol] IUPAC name: 4,4'-dichloro-2, 2'-methylenediphenol
275.	Dichloropropane	CAS number: 78-87-5 CAS name: 1,2-dichloropropane IUPAC name: 1,2-dichloropropane
276.	Dichlorprop	CAS number: 28631-35-8 CAS name: (±)-2-(2,4-dichlorophenoxy)propanoic acid IUPAC name: (RS)2(2,4-dichlorophenoxy) propionic acid
277.	Dichlorvos (DDVP)	CAS number: 62-73-7 CAS name: 2,2-dichloroethenyl dimethyl phosphate IUPAC name: 2,2-dichlorovinyl dimethyl phosphate
278.	Dichlozoline	CAS number: 24201-58-9 CAS name: 3-(3,5-dichlorophenyl)-5,5-dimethyl-2,4-oxazolidinedione IUPAC name: 3-(3, 5-dichlorophenyl)-5,5-dimethyl-1,3-oxazolidine 2,4-dione
279.	Diclofop-methyl	CAS number: 51338-27-3 CAS name: methyl 2-[4-(2,4-dichlorophenoxy) phenoxy] propanoate IUPAC name: (RS)-2-[4-(2,4-dichlorophenoxy) phenoxy] propinoic acid
280.	Dicloran	CAS number: 99-30-9 CAS name: 2,6-dichloro-4-nitrobenzenamine IUPAC name: 2,6-dichloro-4-nitroaniline
281.	Diclosulam	CAS number: 145701-21-9 CAS name: N-(2,6-dichlorophenyl)-5-ethoxy-7-fluoro [1,2,4] triazolo[1,5-c]pyrimidine-2-sulfonamide IUPAC name: N(2,6-dichlorophenyl)5-ethoxy-7-fluoro-[1,2,4] triazolo [1,5-c]pyrimidine-2-sulfonamide
282.	Dicofol	CAS number: 115-32-2 CAS name: 4-chloro-α(4-chlorophenyl)α(trichloro methyl) benzenemethanol IUPAC name: 2, 2, 2-trichloro-1, 1-bis-(4-chlorophenyl) ethanol
283.	Dicrotophos	CAS number: 141-66-2 CAS name: (1E)-3-(dimethylamino)-1-methyl-3-oxo-1-propen-1-yl dimethyl phosphate IUPAC name: (E)-2-dimethyl carbamoyl-1-methyl vinyl dimethyl phosphate
284.	Dieldrin	CAS number: 60-57-1 CAS name: (1aR,2R,2aS,3S,6R,6aR,7S,7aS)rel-3,4,5,6, 9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-2,7:3,6-di methanonaphth[2,3-b]oxirene IUPAC name: 1R,4S,4aS,SR,6R,7S,8S,8aR)-1,2,3,4,10, 10-hexachloro-1,4,4a,5,6,7,8,8a-octachydro-6, 7 epoxy-1, 4:5, 8-dimethano naphthalene

285.	Dienochlor	CAS number: 2227-17-0 CAS name: 1,1',2,2',3,3',4,4',5,5'-decachlorobi-2,4 -cyclopentadien-1-yl IUPAC name: perchloro-1,1'-bicyclopenta-2,4-diene
286.	Diethyltoluamide	CAS number: 134-62-3 CAS name: N,N-diethyl-3-methylbenzamide IUPAC name: N,N-diethyl-m-toluamide
287.	Difenacoum	CAS number: 56073-07-5 CAS name: 3[3-(1,1'-biphenyl)4-yl-1,2,3,4-tetrahydro-1 naphthalenyl]-4-hydroxy-2H-1-benzopyran-2-one IUPAC name: 3-(3-biphenyl-4-yl-1,2,3,4-tetrahydro-1 naphthyl)-4-hydroxycoumarin
288.	Difenoconazole	CAS number: 119446-68-3 CAS name: 1-[2-[4-(4-chlorophenoxy)-2-chlorophenyl]-4-methyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole IUPAC name: cis,trans-3-chloro-4-[4-methyl-2-(1H-1, 2, 4-triazol-1-ylmethyl)-1,3-dioxolan-2-yl] phenyl-4-chloro phenyl ether
289.	Difenzoquat metilsulphate	CAS number: 43222-48-6 CAS name: 1,2-dimethyl-3,5-diphenyl-1H-pyrazolium IUPAC name: 1,2-dimethyl-3,5-diphenylpyrazolium
290.	Difethialone	CAS number: 104653-34-1 CAS name: 3-[3-(4'-bromo[1,1'-biphenyl]-4-yl)-1,2, 3,4-tetrahydro-1-naphthalenyl]-4-hydroxy-2H-1-benzothioopyran-2-one IUPAC name: 3-[(1RS,3RS;1RS,3SR)3(4'-bromobiphenyl 4-yl)1,2,3,4-tetrahydro-1-naphthyl]4hydroxy-1-benzothi-in-2-one
291.	Diflubenzuron	CAS number: 35367-38-5 CAS name: N-[[[(4-chlorophenyl)amino]carbonyl]-2,6-difluorobenzamide IUPAC name: 1-(4-chlorophenyl)-3-(2,6-difluorobenzoyl) urea
292.	Diflufenican	CAS number: 83164-33-4 CAS name: N-(2,4-difluorophenyl)-2-[3-(trifluoromethyl)phenoxy]-3-pyridinecarboxamide IUPAC name: 2',4'-difluoro-2-( $\alpha,\alpha,\alpha$ -trifluoro-m-tolyl)oxy)nicotinamide
293.	Dimefluthrin	CAS number: 271241-14-6 CAS name: [2,3,5,6-tetrafluoro-4-(methoxymethyl)benzyl (1RS,3RS; 1RS, 3SR)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropane carboxylate IUPAC name: 2,3,5,6-tetrafluoro-4-(methoxymethyl)benzyl (1RS,3RS; 1RS, 3SR)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropane carboxylate
294.	Dimefox	CAS number: 115-26-4 CAS name: bis-dimethylamino difluorophosphine oxide IUPAC name: N-[dimethylamino(fluoro)phosphoryl]-N-methylmethanamine
295.	Dimethachlor	CAS number: 50563-36-5 CAS name: 2-chloro-N-(2,6-dimethylphenyl)-N-(2-methoxyethyl)acetamide IUPAC name: 2-chloro-N-(2-methoxyethyl)aceto-2'6'-xylidide
296.	Dimethametryn	CAS number: 22936-75-0 CAS name: N-(1,2-dimethylpropyl)-N-ethyl-6-methylthio-1,3,5-triazine-2,4-diamine IUPAC name: 4-N-ethyl-2-N-(3-methylbutan-2-yl)-6-methylsulfanyl-1,3,5-triazine-2,4-diamine
297.	Dimethenamid	CAS number: 87674-68-8 CAS name: (RS)-2-chloro-N-(2,4-dimethyl-3thienyl)-N-(2-methoxy-1-methylethyl)acetamide IUPAC name: (RS)-2chloro-N(2,4dimethyl-3thienyl)-N-(2-methoxy-1-methylethyl)acetamide

298.	Dimethenamid-p	CAS number :163515-14-8 CAS name: 2-chloro-N-{2,4-dimethyl-3-thienyl}-N-(2-methoxy-1-methylethyl)acetamide IUPAC name:(S)-2-chloro-N-{2,4-dimethyl-3-thienyl}-N-{2-methoxy-1-methylethyl}acetamide
299.	Dimethipin	CAS number: 55290-64-7 CAS name: 2, 3-dihydro-5, 6-dimethyl-1,4-dithiin1, 1,4, 4-tetraoxide IUPAC name: 2,3-dihydro-5,6-dimethyl-1,4-dithi-ine1,1, 4,4-tetra oxide
300.	Dimethoate	CAS number: 60-51-5 CAS name: O,O-dimethyl S[2(methylamino)-2oxoethyl] phosphoro dithioate IUPAC name: O,O-dimethyl S-methyl carbamoyl meth yl phosphorodithioate
301.	Dimethomorph	CAS number: 110488-70-5 CAS name: (E,Z)-4-[3-(4-chlorophenyl)-3-(3,4-di meth oxy phenyl)-1-oxo-2-propenyl]morpholine IUPAC name: (E,Z)-4-[3-(4-chlorophenyl)-3-(3,4 di methoxyphenyl) acryloyl] morpholine
302.	Dimethyl disulphide (DMDS)	CAS number: 624-92-0 CAS name: Dimethyl disulfide IUPAC name: Dimethyl disulphide
303.	Dimethyl Phthalate	CAS number: 131-11-3 CAS name: Dimethyl Phthalate IUPAC name: 1,2-dimethyl 1,2-benzene dicarboxy late
304.	Dimpropyridaz	CAS Number:1403615-77-9 CAS name: 1-(1,2-dimethylpropyl)-N-ethyl-5-methyl-N-4-pyridazinyl-1H-pyrazole-4-carboxamide IUPAC Name: 1-[(1RS)-1,2-dimethylpropyl]-N-ethyl-5-methyl-N-pyridazin-4-yl-1H-pyrazole-4-carboxamide
305.	Diniconazole	CAS number: 83657-24-3 CAS name: Dimethyl Phthalate CAS name: (E)-(±)-b-[(2,4-dichlorophenyl) methylene]-a-(1,1dimethylethyl)1H-1,2,4-triazole-1ethanol IUPAC name: (E)(RS)-1-(2,4-dichlorophenyl)4,4dimethyl -2-1H-1,2,4-triazol-1-yl)pent-1-en-3-ol
306.	Dinobuton	CAS number: 973-21-7 CAS name: 1-methylethyl 2-(1-methylpropyl)-4,6-di nitrophenyl carbonate IUPAC name: 2-sec-butyl-4,6-dinitrophenyl iso propyl carbonate
307.	Dinocap	CAS number: 39300-45-3 CAS name: 2(or 4)-isooctyl-4,6(or 2,6)-dinitrophenyl (2E)-2-butenote IUPAC name: 2,6-dinitro-4-octylphenyl crotonates and 2,4-dinitro-6-octyl phenyl crotonates in which 'octyl' is a mixture of 1-methyl heptyl, 1-ethylhexyl and 1-propyl pentyl groups
308.	Dinoseb	CAS number: 88-85-7 CAS name: 2-(1-methylpropyl)-4,6-dinitrophenol IUPAC name: 2-sec-butyl-4,6-dinitrophenol
309.	Dinoseb acetate	CAS number: 2813-95-8 CAS name: Dinoseb acetate IUPAC name: 2-sec-butyl-4,6-dinitriphenyl acetate
310.	Dinotefuran	CAS number: 165252-70-0 CAS name: N-methyl-N'-nitro-N''-[(tetrahydro-3-furanyl) methyl]guanidine IUPAC name: (RS)1-methyl-2-nitro-3-(tetrahydro-3-furyl methyl) guanidine
311.	Dioxathion	CAS number: 78-34-2 CAS name: S,S',1,4-dioxane-2,3diyl bis(O,O-diethyl phosphorodithioate) IUPAC name: S,S'-(1,4-dioxane-2,3-diyl)O,O,O',O'-tetra ethyl bis phosphosphorodithioate

312.	Diphacinone	CAS number: 82-66-6 CAS name: 2-(2,2-diphenylacetyl)-1H-indene-1,3(2H)-di one IUPAC name: 2-(diphenylacetyl)indan-1, 3-dione
313.	Diphenamid	CAS number: 957-51-7 CAS name: N,N-dimethyl- $\alpha$ -phenylbenzeneacet amide IUPAC name: N,N-dimethyldiphenylacetamide
314.	Dipropetryn	CAS number: 4147-51-7 CAS name: 6-(ethylthio)-N,N '-bis(1-methylethyl)-1,3,5-triazine-2,4-diamine IUPAC name: 6-ethylthio-N2, N4-di-isopropyl-1, 3,5-tri azine-2,4-di amine
315.	Diquat & its salt	CAS number: 2764-72-9 CAS name: 6,7-dihydrodipyrido[1,2-a:2',1'-c] pyrazine diium IUPAC name: 9,10dihydro-8a,10a-diazoniaphenanthrene
316.	Disulfoton	CAS number: 298-04-4 CAS name: O,O-diethyl S-[2-(ethylthio)ethyl]phosphoro dithioate IUPAC name: O,O-diethyl S-2-ethylthioethyl phosphoro dithioate
317.	Dithianon	CAS number: 3347-22-6 CAS name: 5,10-dihydro-5,10-dioxonaphtho[2,3-b]-1,4-dithiin-2,3-dicarbonitrile IUPAC name: 5,10-dihydro-5,10-dioxonaphtho [2,3 -b]-1,4-dithiine-2,3-dicarbonitrile
318.	Dithiopyr	CAS number: 97886-45-8 CAS name: 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-3,5-pyridinedicarbothioate IUPAC name: S,S'-dimethyl-2-difluoromethyl-4-iso butyl-6-tri-fluoromethylpyridine-3, 5-dicarbothioate
319.	Diuron	CAS number: 330-54-1 CAS name: N'-(3,4-dichlorophenyl)-N,N-dimethyl urea UPAC name: 3-(3,4-dichlorophenyl)-1,1-dimethyl urea
320.	DMPA	CAS number: 299-85-4 CAS name: O-(2,4-dichlorophenyl) O-methyl (1-methyl ethyl)phosphoramidothioate IUPAC name: O-2,4-dichlorophenyl O-methyl-isopropyl phosphoramidothioate
321.	DNOC	CAS number: 534-52-1 CAS name: 2-methyl-4,6-dinitrophenol IUPAC name: 4-6-dinitro-o-cresol
322.	Dodemorph	CAS number: 1593-77-7 CAS name: 4-cyclododecyl-2,6-dimethylmorpholine IUPAC name: 4-cyclododecyl-2,6-dimethylmorpho line
323.	Dodine	CAS number: 2439-10-3 CAS name: dodecylguanidine monoacetate IUPAC name: 1-dodecylguanidini imiacetate
324.	DSMA (methylarsonic acid)	CAS number: 144-21-8 CAS name: disodium As-methylarsonate IUPAC name: disodium methylarsonate
325.	E-11-HAD	CAS number: 56218-72-5 CAS Name: (E)-11-Hexadecenylacetate IUPAC name: [(E)-hexadec-11-enyl] acetate
326.	E-11-HDL	CAS number: 61301-56-2 CAS name: (E)-11-Hexadecen-1-ol IUPAC name: (E)-11-Hexadecen-1-ol
327.	EBP	CAS number: 13286-32-3 CAS name: O,O-diethyl S-(phenylmethyl) phos phoro thioate IUPAC name: S-benzyl-O,O-diethyl-phosphorothioate
328.	Edifenphos	CAS number: 17109-49-8 CAS name: O-ethyl S,S-diphenyl phosphorodithioate IUPAC name: O-ethyl-S, S'-diphenyl phosphoro di thioate

329.	Ergotism It is a mixture of ATCA (N-acetyl-thiazolidin-4-carboxylic acid) and folic acid in the ratio of 50:1	CAS number: 5025-82-1 (ATCA), 59-30-3(folic acid) CAS name: 3-Acetylthiazolidine-4-carboxylic acid, IUPAC name:For (ATCA)- 3-acetyl-1,3-thiazolidine-4-carboxylic acid; For folic acid:(2S)-2-[[4-[(2-amino-4-oxo-3H-pteridin-6-yl)methylamino] benzoyl]amino]pentanedioic acid
330.	Emamectin benzoate	CAS number: 155569-91-8 CAS name: emamectin (BSI, pa E-ISO, ANSI) IUPAC name:A mixture containing 90% of (10E, 14E, 16E, 22Z)-(1R, 4S, 5'S, 6S, 6'R, 8R, 12S, 13S, 20R-21R, 24S)-6'-[(S)-sec-butyl]-21,24-dihydroxy-5'11,13,22-tetra methyl-2 oxo -3,7,19-trioxatetracyclo [15E,1, 14.8020.24] pentacosa 10,14, 16,22tetraene-6-spiro2(5,6'-dihydro-2'H-pyran)-12-yl-di deoxy-3-O-methyl-4-O(2,4,6-trideoxy -3-O-methyl-4-meth ylamino -a-L-lyxo-hexo pyran osyl)-a-hexopyranoside and 10% of (10E,14E,16E,22Z)-(1R,4S, 5'S, 6S, 6'R, 8R, 12S, 13S, 20R, 21R, 21(S)-21,24-di hydroxy-6'-isopropyl-5'11, 13,22-tetra methyl-2-oxo-3,7, 19-trioxatetracyclo [1,6,1, 14.8.020.24] pentacosa 10, 14, 16,22-tetraene-6 spiro-2'(5', 6'-dihydro-2'H-pyran)-12-yl, 2,6-adeoxy-3-O-methyl-4-O-(2,4,6-trideoxy-3-O-methyl-4-methylamino-a-L-lyxo-hexopyranosyl)a-L-arabino -hexo pyranoside
331.	Empenthrin	CAS number: 54406-48-3 CAS name: 1-ethynyl-2-methyl-2-pentenyl (1R)-cis-trans -2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropane carboxylate IUPAC name: (E)-(RS)-1-ethynyl-2-methylpent-2-enyl (1R,3RS;1R,3SR)-2, 2-dimethyl-3-(2-methylprop-1-enyl) cyclopropanecarboxylate
332.	Endosulfan	CAS number: 115-29-7 CAS name: 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a -hexahydro-6,9-methano-2,4,3-benzodioxathiepin 3-oxide IUPAC name: (1, 4, 5, 6, 7, 7-hexachloro-8, 9, 10-trinor born-5-en-2,3-ylene bismethylene ) sulfite
333.	Endothal	CAS number: 145-73-3 CAS name: 7oxabicyclo[2.2.1]heptane2,3dicarboxylicacid IUPAC name: 7 oxabicyclo[2,2,1]heptane-2,3dicarboxylic acid
334.	Endrin	CAS number:72-20-8 CAS name: (1aR,2R,2aR,3R,6S,6aS,7S,7aS)rel-3,4,5,6, 9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-2,7:3,6-di methanonaphth[2,3-b]oxirene IUPAC name: (1R,4S,4aS,5S,6S,7R,8R,8aR)-1,2,3, 4,10, 10-hexachloro-1,4,4a,5,6,7,8,8a-octahydro-6,7-epoxy-1, 4,5,8 dimethanonaphthalene
335.	EPN	CAS number:2104-64-5 CAS name: O-ethyl O(4nitrophenyl)P-phenylphosphono thioate IUPAC name: O-ethylO-4-nitriphenyl phenyl phos phono thioate
336.	Epoxiconazole	CAS number: 106325-08-0 CAS name: cis-1[[3-(2-chlorophenyl)-2-(4-fluoro phenyl) oxiranyl]methyl]-1H-1,2,4-triazole IUPAC name: (2RS, 3SR)-1[3-(2-chlorophenyl)-2,3 -epoxy-2-(4-fluorophenyl)propyl]-1H-1,2, 4-triazole
337.	EPTC	CAS number:759-94-4 CAS name: S-ethyl N,N-dipropylcarbamo thioate IUPAC name: S-ethyl dipropyl thiocarbamate
338.	Erbon	CAS number: 136-25-4 CAS name: 2-(2,4,5-trichlorophenoxy)ethyl 2,2-di chloro propanoate IUPAC name: 2(2,4,5-trichlorophenoxy)ethyl 2,2-di chlor propionate
339.	<i>Erwinia amylovora</i> (Hairpin protein)	-
340.	Esfenvalerate	CAS number: 66230-04-4 CAS name: [S(R*,R*)]-cyano(3-phenoxyphenyl)methyl 4 -chloro-2-(1-methylethyl)benzeneacetate

		IUPAC name: (S)a-cyano-3-phenoxybenzyl(S)2-(4-chloro phenyl)-3-methyl butyrate
341.	Etem	CAS number: 33813-20-6 CAS name: Etem IUPAC name: Ethylene thiuram monosulphide
342.	Ethaboxam	CAS number: 162650-77-3 CAS name:(RS)- N-[α-cyano-2- thenyl]-4-ethyl-2-(ethylamino)-1,3-thiazole-5-carboxamide IUPAC name: N-[cyano(thiophen-2-yl)methyl]-4-ethyl-2-(ethylamino)-1,3-thiazole-5-carboxamide
343.	Ethalfuralin	CAS number: 55283-68-6 CAS name: N-ethyl-N-(2-methyl-2-propenyl)-2,6-dinitro-4-(trifluoromethyl)benzenamine IUPAC name: N-ethyl-a,a,a, trifluoro-N-(2-methylallyl)-2, 6-dinitro-p-toluidine
344.	Ethametsulfuron-methyl	CAS number: 97780-06-8 CAS name: methyl 2-[4-ethoxy-6-(methylamino) -1,3, 5-triazin-2-yl]amino]carbonyl]amino]sulfonyl]benzo ate IUPAC name: methyl 2-[4-ethoxy-6-methylamino-1,3,5-traizin-2-yl)-carbamoylsulphamoyl]benzoate
345.	Ethephon	CAS number: 16672-87-0 CAS name: (P)-(2-chloroethyl)phosphonic acid IUPAC name: 2-chloroethylphosphonic acid
346.	Ethion	CAS number: 563-12-2 CAS name: S,S'-methylene bis(O,O-diethyl phos phoro dithioate) IUPAC name: O,O,O'O'-tetraethyl S,S'-methylene bis (phos phorodithioate)
347.	Ethiprole	CAS number: 181587-01-9 CAS name: 5-amino-1[2,6-dichloro-4(trifluoro methyl) phenyl]-4(ethylsulfinyl)1H-pyrazole-3-carbonitrile IUPAC name: (+)-5-amino-1-(2,6-dichloro-alpha, alpha, alpha, trifluoro-p-tolyl)-4-ethylsulfinyl pyrazole-3-carbo nitrile
348.	Ethofumesate	CAS number: 26225-79-6 CAS name: (±)-2-ethoxy-2,3-dihydro-3,3-dimethyl-5-benzofuranyl methanesulfonate IUPAC name: (+)-2-ethoxy-2,3-dihydro-3,3-dimethyl benzofuran-5-yl methanesulfonate
349.	Ethoprophos	CAS number: 13194-48-4 CAS name: O-ethyl S,S-dipropyl phosphor di thioate IUPAC name: 1-[ethoxy(propylsulfanyl)phosphoryl]sulfanyl]propane
350.	Ethoxy ethyl mercuric chloride	CAS number: 123-88-6 CAS name: Chloro(2-methoxyethyl)mercury IUPAC name: ethoxy ethyl mercuric chloride
351.	Ethoxysulfuron	CAS number: 126801-58-9 CAS name: 1-(4,6-dimethoxypyrimidin-2-yl)-3-(2-ethoxy phenoxy sulfonyl)urea IUPAC name: 1-(4,6-dimethoxypyrimidin-2-yl)-3(2-ethoxyphenoxy sulfonyl) urea
352.	Ethyl butyl acetyl amino Propionate	CAS number: 52304-36-6 CAS name: Ethyl 3-[acetyl(butyl)amino]propanoate IUPAC name: Ethyl butyl acetyl amino propionate
353.	Ethyl Formate	CAS number: 109-94-4 CAS name: ethyl formate IUPAC name: 2 sec-butyl -4,6-dinitrophenyl isopropyl carbonate formic acid ethyl ester
354.	Ethyl mercury chloride	CAS number:107-27-7 CAS name: chloroethylmercury IUPAC name: ethyl mercury chloride

355.	Ethyl mercury phosphate	CAS number:2235-25-8 CAS name: dihydrogenethyl[phosphato(3-)-κO] mercu rate(2-) IUPAC name: ethyl mercury phosphate
356.	Ethylene dibromide	CAS number:106-93-4 CAS name: 1,2-dibromoethane IUPAC name: 1,2-dibromoethane
357.	Ethylene dichloride	CAS number:107-06-2 CAS name: 1,2-dichloroethane IUPAC name: 1,2-dichloroethane
358.	Etobenzanid	CAS number:79540-50-4 CAS name: N-(2,3-dichlorophenyl)-4-(ethoxymethoxy)benzamide IUPAC name: 2',3'-dichloro-4-ethoxymethoxybenzanilide
359.	Etopenprox	CAS number: 80844-07-1 CAS name: 1-[[2-(4-ethoxyphenyl)-2-methyl prooxy]methyl]-3-phenoxybenzene IUPAC name: 2-(4-ethoxyphenyl)-2-methylpropyl 3-phenoxybenzyl ether)
360.	Etloxazole	CAS number: 153233-91-1 CAS name: 2-(2,6-difluorophenyl)-4-[4-(1,1-dimethyl ethyl)-2-ethoxyphenyl]-4,5-dihydrooxazole IUPAC name: (RS)5-tert-butyl-2[2(2,6difluorophenyl)-4,5-dihydro-1,3-oxazol-4-yl]phenetole
361.	Etridiazole	CAS number: 2593-15-9 CAS name: 5-ethoxy-3-(trichloromethyl)1,2,4-thiadiazole IUPAC name: ethyl 3-trichloromethyl-1,2,4-thiadiazol-5-yl-ether
362.	Etrimfos	CAS number: 38260-54-7 CAS name: O-(6-ethoxy-2-ethyl-4-pyrimidinyl) O,O-dimethyl phosphorothioate IUPAC name: O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethyl phosphorothioate
363.	Eucalyptus leaf oil /extract Containing 1, 8 cineole (eucalyptol)	CAS number: 470-82-6 CAS name: 1,8-Cineole IUPAC name: 1,3,3-trimethyl-2-oxabicyclo[2.2.2]octane
364.	Extract of <i>Cymbopogon</i> Species	CAS number, CAS name: - IUPAC name: Monoterpenes
365.	Famoxadone	CAS number: 131807-57-3 CAS name: 5-methyl-5(4-phenoxyphenyl)-3(phenyl amino)-2,4-oxazolidinedione IUPAC name: 3anilino-5methyl-5(4phenoxyphenyl)-1,3-oxazolidine-2,4-dione
366.	Fenamidone	CAS number: 161326-34-7 CAS name: (S)-3,5-dihydro-5-methyl-2(methylthio)-5-phenyl-3-(phenylamino)-4H-imidazol-4-one IUPAC name: (S)-1-anilino-4-methyl-2-methylthio-4-phenylimidazolin-5-one
367.	Fenamiphos	CAS number: 22224-92-6 CAS name: ethyl 3-methyl-4(methylthio)phenyl(1-methyl ethyl) phosphoramidate IUPAC name: ethyl 4-methylthio-m-tolyl isopropyl phosphoramidate
368.	Fenarimol	CAS number: 60168-88-9 CAS name: α-(2-chlorophenyl)-α-(4-chlorophenyl)-5-pyrimidinemethanol IUPAC name: (+)2,4'-dichloro-a-(pyrimidin-5-yl) benzhydryl alcohol
369.	Fenzaflor	CAS number: 14255-88-0 CAS name: phenyl 5,6-dichloro-2-(trifluoromethyl)-1H-benzimidazole-1-carboxylate IUPAC name: phenyl 5,6-dichloro-2-trifluoromethyl benzimidazole-1-carboxylate



370.	Fenzaquin	CAS number: 120928-09-8 CAS name: 4-[[4-(1,1-dimethylethyl)phenyl]ethoxy] quinazoline IUPAC name: 4-tert-butylphenethyl quinazolin-4-yl ether
371.	Fenbuconazole	CAS number: 114369-43-6 CAS name: a-[2-(4-chlorophenyl)ethyl]-a-phenyl-1H-1,2,4-triazole-1-propanenitrile IUPAC name: 4-(4-Chlorophenyl)-2-phenyl-2-(1H-1,2,4-triazol-1-ylmethyl) butyronitrile
372.	Fenbutatin Oxide	CAS number: 13356-08-6 CAS name: hexakis(2-methyl-2-phenylpropyl) distann oxane IUPAC name: Bis[tris(2-methyl-2-phenylpropyl)tin] oxide
373.	Fenchlorphos	CAS number: 299-84-3 CAS name: O,O-dimethyl O-(2,4,5-trichlorophenyl) phos phorothioate IUPAC name: O,O-dimethyl O-(2,4,5-trichlorophenyl) phosphorothioate
374.	Fenmezodiatiaz	CAS number: 2246757-58-2 CAS name: (3R)-3-(2-chloro-5-thiazolyl)-2,3-dihydro-5-hydroxy-8-methyl-7-oxo-6-phenyl-7H-thiazolo[3,2-a]pyrimidinium inner salt IUPAC Name: ((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
375.	Fenfuram	CAS number: 24691-80-3 CAS name: 2-methyl-N-phenyl-3-furancarboxamide IUPAC name: 2-methyl-3-furanilide
376.	Fenitrothion	CAS number: 122-14-5 CAS name: O,O-dimethyl O-(3-methyl-4-nitrophen yl) phosphorothioate IUPAC name: O,O-dimethyl O-4-nitro-m-tolyl phos phoro thioate
377.	Fenobucarb	CAS number: 3766-81-2 CAS name: 2(1-methylpropyl)phenyl N-methylcarbamate IUPAC name: 2-sec-butylphenyl methylcarbamate
378.	Fenoxanil	CAS number: 115852-48-7 CAS name: N-(1-cyano-1,2-dimethylpropyl)-2-(2,4-di chlorophenoxy) propanamide IUPAC name: N-(1-cyano-1,2-dimethylpropyl)-2-(2,4-dihlorophenoxy)propion amide (R,S)-and (RR) and (S,R)-and (S,S)
379.	Fenoxaprop-P-ethyl	CAS number: 71283-80-2 CAS name: ethyl(R)-2[4-[(6-chloro-2-benzoxazolyl) oxy] phenoxy]propanoate IUPAC name: ethyl (R)2[4[(6-chloro-2-benzoxazolyl) oxy] phenoxy] propanoate
380.	Fenpiclonil	CAS number: 74738-17-3 CAS name: 4-(2,3-dichlorophenyl)-1H-pyrrole-3-carbo nitrile IUPAC name: 4(2,3-dichlorophenyl)pyrrole-3-carbonitrile
381.	Fenpicoxamid	CASNo.517875-34-2 CAS Name: [2-[[[(3S,7R,8R,9S)-7-benzyl-9-methyl-8-(2-methylpropanoyloxy)-2,6-dioxo-1,5-dioxonan-3-yl]carbamoyl]-4-methoxypyridin-3-yl]oxymethyl-2-methylpropanoate IUPAC Name: (3S,6S,7R,8R)-8-benzyl-3-[(3-[(isobutyryloxy)methoxy]-4-methoxypyridine-2- carboxamido)-6-methyl-4,9-dioxo-1,5-dioxonan-7-yl isobutyrate
382.	Fenpropathrin	CAS number: 39515-41-8 CAS name: cyano(3-phenoxyphenyl)methyl 2,2,3,3-tetra methylcyclopropane carboxylate IUPAC name: (RS)-a cyano-3-phenoxybenzyl-2,2, 3,3-tetramethyl cyclopropanecarboxylate
383.	Fenpropimorph	CAS number: 67564-91-4 CAS name: (2R,6S)-4-[3-[4-(1,1-dimethylethyl)phenyl]-2-methylpropyl]-2,6-dimethylmorpholine IUPAC name: (2S,6R)-4-[3-(4-tert-butylphenyl)-2-methylpropyl]-2,6-dimethylmorpholine

384.	Fenpyroximate	CAS number: 134098-61-6 CAS name: (E)-4-[[[(1,3-dimethyl-5-phenoxy-1H-pyrazol-4-yl)methylene]amino]oxy]methyl]benzoate IUPAC name: (E)-a(1,3dimethyl-5-phenoxy-pyrazol- 4-yl) methylene amino-oxy)-p-toluate
385.	Fenson	CAS number:80-38-6 CAS name: 4-chlorophenyl benzenesulfonate IUPAC name: 4-chlorophenyl benzene suphonate
386.	Fensulfothion	CAS number: 115-90-2 CAS name:O,O-diethylO-[4-(methylsulfinyl)phenyl] phos phorothioate IUPAC name: O,O-diethyl O-4-methylsulfinylphenyl phos phorothioate
387.	Fenthion	CAS number:55-38-9 CAS name: O,O-dimethyl O[3-methyl-4(methylthio) phenyl] phosphorothioate IUPAC name: O,O-dimethyl O-4,methylthio-m-tolylphos phorothiaote
388.	Fentin acetate	CAS number: 900-95-8 CAS name: Triphenyltin acetate IUPAC name: triphenyltin (IV) acetate
389.	Fentin chloride	CAS number: 639-58-7 CAS name: Triphenylchlorotin IUPAC name: Triphenyltin (IV) chloride
390.	Fentin hydroxide	CAS number: 76-87-9 CAS name: Triphenyltin hydroxide IUPAC name: triphenyltin (IV) hydroxide
391.	Fentrazamide	CAS number: 158237-07-1 CAS name: 4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl -4,5-dihydro-5-oxo-1H-tetrazole-1-carboxamide IUPAC name: 4(2chlorophenyl)N-cyclohexyl-N-eth yl-4,5-dihydro-5-oxo-1H-tetrazole-1-carbox amide
392.	Fenvalerate	CAS number: 51630-58-1 CAS name: cyano(3-phenoxyphenyl)methyl 4-chloro- $\alpha$ -(1-methylethyl)benzeneacetate IUPAC name: (RS)-a-cyano-3-phenoxybezyl (RS)-2-(4-chlorophenyl)-3-methylbutyrate
393.	Ferbam	CAS number:14484-64-1 CAS name: (OC-6-11)-tris(dimethyl carbamodithioato- $\kappa$ S, $\kappa$ S')iron IUPAC name: iron tris(dimethylldithiocarbamate)
394.	Fipronil	CAS number: 120068-37-3 CAS name: 5-amino-[2,6dichloro-4(trifluoromethyl) phenyl]-4-[(1R,S)-(trifluoromethyl)sulfinyl]-1H-pyra zole-3-carbonitrile IUPAC name: (+)-5-amino-1-(2,6-dichloro-a,a,a-tri fluoro-p-tolyl)-4-trifluoromethylsulfinylpyrazole-3-carbonitrile
395.	Flazasulfuron	CAS number: 104040-78-0 CAS name: N[[[(4,6dimethoxy-2-pyrimidinyl)amino] carbonyl]-3-(trifluoromethyl)-2-pyridinesulfon amide IUPAC name: 1-(4,6-dimethoxypyrimidin-2-yl)-3-(3-tri fluoromethyl-2-pyridyl sulfonyl)urea
396.	Flocoumafen	CAS number: 90035-08-8 CAS name: 4-hydroxy-3-[1,2,3,4-tetrahydro-3-[4-[[4-(trifluoromethyl)phenyl]methoxy]phenyl]-1-naphthalenyl]-2H-1-benzopyran-2-one IUPAC name: 4-hydroxy-3-[(1RS,3RS;1RS,3SR)-1, 2,3,4 -tetrahydro-3-[4-(4-trifluoromethylbenzyloxy) phenyl]-1-naphthyl]coumarin (mixture of cis-to trans -isomers in the ratio range 60:40 to 40:60 respectively)
397.	Flonicamid	CAS number: 158062-67-0 CAS name: N(cyanomethyl)4-(trifluoromethyl)-3-pyridine carboxamide IUPAC name: N-cyanomethyl-4-(trifluoromethyl) nicotin amide

398.	Flometoquin	CASNo.875775-74-9 CAS Name: 2-ethyl-3,7-dimethyl-6-[4-(trifluoromethoxy)phenoxy]-4-quinolinyl methyl carbonate IUPAC name:2-ethyl-3,7-dimethyl-6-[4-(trifluoromethoxy)phenoxy]-4-quinolyl methyl carbonate
399.	Florasulam	CAS number: 145701-23-1 CAS name: N(2,6-difluorophenyl)8-fluoro-5-methoxy[1,2,4]triazolo[1,5-c]pyrimidine-2-sulfonamide IUPAC name: 2',6',8-trifluoro-5-methoxy [1,2,4] triazolo [1,5-c]pyrimidine-2-sulfonanilide
400.	Florypicoxamid	CAS number:1961312-55-9 CAS name:1S)-2,2-bis(4-fluorophenyl)-1-methylethyl N- {[3-(acetyloxy)-4-methoxy-2-pyridyl]carbonyl}-L-alaninate IUPAC name: [(2S)-1,1-bis(4-fluorophenyl)propan-2-yl] (2S)-2-[(3-acetyloxy-4-methoxypyridine-2-carbonyl)amino]propanoate
401.	Florpyauxifen-benzyl	CAS number: 943832-81-3 CAS name: Not available, IUPAC name: 4-amino-3-chloro-6-[4-chloro-2-fluoro-3-methoxyphenyl]-5-fluoro-2-pyridine carboxylic acid
402.	Fluazaindolizine	CAS number: 1254304-22-7 CAS name: ((8-Chloro-N-(2-chloro-5-methoxyphenyl)sulfonyl)-6-trifluoromethyl)imidazo(1,2-a)pyridine-2-carboxamide IUPAC name:8-chloro-N-[(2-chloro-5-methoxyphenyl) sulfonyl] -6- (trifluoromethyl) imadazo [1,2- α ] pyridine-2-carboxamide
403.	Fluazifop	CAS number: 69335-91-7 CAS name: 2-[4-[[5-(trifluoromethyl)-2-pyridinyl]-oxy] phenoxy] propanoic acid IUPAC name: (RS)-2[4-(5-trifluoromethyl-2-pyridyloxy) phenoxy] propionic acid
404.	Fluazifop-p-butyl	CAS number: 79241-46-6 CAS name: (R)2-[4[[5-(trifluoromethyl)-2-pyridinyl]oxy] phenoxy]propanoate IUPAC name: Butyl(R)-2{4-[5-(trifluoromethyl)-2-pyridyl oxy]phenoxy}propionate
405.	Fluazinam	CAS number: 79622-59-6 CAS name: 3-chloro-N-[3-chloro-2,6-dinitro-4-(tri fluoro methyl) phenyl]-5-(trifluoromethyl)-2-pyridin amine IUPAC name: 3-chloro-N-(3-chloro-5-trifluoro methyl -2-pyridyl)-a,a,a-trifluoro-2,6-dinitro-p-toluidine
406.	Fluazolate* *Ammended vide GSR no. 181(E) dated 13/03/2001	CAS number: 174514-07-9 CAS name: 5-[4-bromo-1-methyl-5(trifluoromethyl)-1H-pyrazol-3-yl]-2-chloro-4-fluorobenzoate IUPAC name: 1-methylethyl 5-4-bromo-1-methyl-5-(trifluoromethyl)1H-pyrazole-3-yl-2chloro-4fluorobenzoate
407.	Flubendiamide	CAS number: 272451-65-7 CAS name: N2[1,1-dimethyl2(methylsulfonyl)ethyl]3iodo N 1[2methyl-4[1,2,2,2-tetrafluoro-1(trifluoromethyl)ethyl] phenyl]-1,2-benzenedi carbox amide IUPAC name: 3-iodo-N'(2-mesy-1,1dimethyl ethyl) N{4-[1,2,2,2-tetrafluoro-1(trifluoromethyl)ethyl]o-tolyl}phthal amide
408.	Flucarbazon Sodium	CAS number: 181274-17-9 CAS name: 4,5-dihydro-3-methoxy-4-methyl-5-oxo-N-[[2-(trifluoromethoxy)phenyl]sulfonyl]-1H-1, 2,4-triazole-1-carboxamide, sodium salt IUPAC name: 4,5-dihydro-3-methoxy-4-methyl-5-oxo-N-(2-trifluoromethoxy phenyl-sulfonyl)-1H-1,2,4-triazole-1-carboxa mide, sodium salt
409.	Flucarbimat	N-(N-3,5-dichloro-4(E)-1,2,3-pentafluoro-1-propenyl oxy)phenyl)-carbomoyl)-2-chloro benzo carboxylate

410.	Flucetosulfuron	CAS number: 412928-75-7 CAS name: 1[3-[[[(4,6-dimethoxy-2-pyrimidinyl) amino] carbonyl]amino]sulfonyl]-2-pyridinyl]-2-fluoro propyl 2-methoxyacetate IUPAC name: (1RS, 2RS; 1SR; 2SR)-1-3[4,6-dimethoxy primidin-2-ylcarbamoyl]sulfamoyl]2-pyridyl]2-fluoropropyl methoxyacetate.
411.	Fluchloralin	CAS number: 33245-39-5 CAS name: N-(2-chloroethyl)-2,6-dinitro-N-propyl-4-(tri fluoromethyl)benzenamine IUPAC name: N-(2-chloroethyl)- a,a,a-trifluoro-2,6-di nitro-N-propyl-p-toluidine
412.	Flucythrinate	CAS number: 70124-77-5 CAS name: cyano(3-phenoxyphenyl)methyl (αS)-4-(difluoromethoxy)-α-(1-methylethyl)benzeneacetate IUPAC name: (RS)-α-cyano-3-phenoxybenzyl (S)-2-(4-difluoro methoxyphenyl)-3-methylbutyrate
413.	Fludioxonil	CAS number: 131341-86-1 CAS name: 4-(2,2-difluoro-1,3-benzodioxol-4-yl)-1H-pyrrole-3-carbonitrile IUPAC name: 4-(2,2-difluoro-1, 3-benzodioxol-4-yl) pyrrole-3-carbonitrile
414.	Fluensulfone	CAS number: 318290-98-1 CAS name: 5-chloro-2-[(3,4,4-trifluoro-3-buten-1-yl) sulfonyl]thiazole IUPAC name: 5-chloro-1,3-thiazol-2-yl 3,4,4-trifluoro but-3-en-1-yl sulfone
415.	Flufenacet	CAS number: 142459-58-3 CAS name: N-(4-fluorophenyl)-N-(1-methylethyl)-2- [[5-(trifluoromethyl) -1,3,4-thiadiazol-2-yl]oxy] acet amide IUPAC name: 4'-fluoro-N-isopropyl-2(5-trifluoro meth yl -1,3,4-thiadiazol-2-yloxy)acetanilide
416.	Flufenoxuron	CAS number: 101463-69-8 CAS name: N[[[4-[2-chloro-4-(trifluoromethyl) phenoxy] -2-fluorophenyl]amino]carbonyl]-2,6-difluorobenz amide IUPAC name: 1-[4-(2-chloro-a,a,a, trifluoro-p-tolyloxy)-2-fluorophenyl]-3- (2,6-difluorobenzoyl)urea
417.	Fluindapyr	CAS number: 1383809-87-7 CAS name: Not available, IUPAC name: 3-(difluoromethyl)-N-[(3RS)- 7-fluoro-2,3-dihydro-1,1,3-trimethyl-1 H-inden-4-yl]-1 methylpyrazole-4-carboxamide
418.	Flumetralin	CAS number: 62924-70-3 CAS name: 2-chloro-N-[2,6-dinitro-4-(trifluoro me thyl) phenyl]-N-ethyl-6-fluorobenzene methan amine IUPAC name: N-(2-chloro-6-fluorobenzyl) N-ethyl-a,a,a-trifluoro-2,6-dinitro-p-toluidine
419.	Flumetsulam	CAS number: 98967-40-9 CAS : N-(2,6-difluorophenyl)-5-methyl[1,2,4]triazolo[1,5-a]pyrimidine-2-sulfonamide IUPAC : 2',6'-difluoro-5-methyl[1,2,4]triazolo[1,5-a]pyrimidine-2-sulfonanilide
420.	Flumetylsulforim	CAS number: 1616664-98-2 CAS : 5-Fluoro-3,4-dihydro-4-imino-3-methyl-1-((4-methylphenyl)sulfonyl)-2(1H)-pyrimidinone IUPAC : 5-fluoro-4-imino-3-methyl-1-(4-methylphenyl)sulfonylpyrimidin-2-one
421.	Flumioxazin	CAS number: 103361-09-7 CAS name: 2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-pro pyn yl)2H-1,4benzoxazin-6-yl]4,5,6,7 tetrahydro-1H-isoindole-1, 3(2H)-dione IUPAC name: N(7-fluoro3,4dihydro-3oxo-4prop-2ynyl-2H -1,4-benzoxazin-6-yl)cyclohex-1-ene-1,2-dicarboxamide

422.	Flumorph	CAS number: 211867-47-9 CAS name: 4-[3-(3,4-dimethoxyphenyl)-3-(4-fluoro phenyl)-1-oxo-2-propen-1-yl]morpholine IUPAC name: (EZ)-4-[3-(3,4-dimethoxyphenyl)-3-(4-fluorophenyl)acryloyl]morpholine
423.	Fluometuron	CAS number: 2164-17-2 CAS name: N,N-dimethyl-N'[3(trifluoromethyl)phenyl] urea IUPAC name: 1,1-dimethyl-3-(a, a, a-m-tolyl) urea
424.	Fluopicolide	CAS number: 239110-15-7 CAS name: 2, 6-dichloro-N[[3-chloro-5-(trifluoro methyl) -2-pyridinyl]methyl]benzamide IUPAC name: 2,6-dichloro-N[3-chloro-5(trifluoro methyl) -2-pyridylmethyl]benzamide
425.	Fluopyram	CAS number: 658066-35-4 CAS name: N[2[3-chloro-5-(trifluoromethyl)-2-pyridinyl] ethyl]-2-(trifluoromethyl)benzamide IUPAC name: N{2[3-chloro-5(trifluoromethyl)2-pyridyl] ethyl}- $\alpha,\alpha,\alpha$ -trifluoro-o-toluamide.
426.	Fluoroacetamide	CAS number: 640-19-7 CAS name: 2-fluoroacetamide IUPAC name: 2-Fluoroacetamide
427.	Fluoxastrobin	CAS number: 361377-29-9 CAS NAME: (1E)-(2-{{6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl}oxy}phenyl)(5,6-dihydro-1,4,2-dioxazin-3-yl)methanone O-methyloxime IUPAC NAME: (E)-{2-[6-(2-chlorophenoxy)-5-fluoropyrimidin-4-yloxy]phenyl}(5,6-dihydro-1,4,2-dioxazin-3-yl)methanone O-methyloxime
428.	Fluoxapiprolin	CASNo.1360819-11-9 2-{{(5RS)-3-[2-(1-{{3,5-bis(difluoromethyl)-1H-pyrazol-1-yl}acetyl)-4-piperidyl]thiazol-4-yl]-4,5-dihydroisoxazol-5-yl}-3-chlorophenyl)methanesulfonate
429.	Flupyradifurone	CAS number: 951659-40-8 CAS name: 4-[[6-chloro-3-pyridinyl)methyl](2,2-difluoroethyl)amino]-2(5H)-furanone IUPAC name: 4-[(6-chloro-3-pyridylmethyl)(2,2-difluoroethyl)amino]furan-2(5H)-one
430.	Flupyrimin	CAS number: 1689566-03-7 CAS name: (N(E))-N-(1-((6-Chloro-3-pyridinyl)methyl)-2(1H)-pyridinylidene)-2,2,2-trifluoroacetamide IUPAC name:N-[(E)-1-[(6-chloro-3-pyridylmethyl) pyridine-2(1H)-ylidene]-2,2,2-trifluoroacetamide
431.	Fluquinconazole	CAS number: 136426-54-5 CAS name: 3-(2,4-dichlorophenyl)-6-fluoro-2((1H)-1, 2,4-triazol-1-yl)-4(3H)-quinazolinone IUPAC name: 3(2,4-dichlorophenyl)-6-fluoro-2(1H-1,2,4-triazol-1-yl)quinazolin-4 (3H)-one
432.	Fluridone	CAS number: 59756-60-4 CAS name: 1-methyl-3-phenyl-5-[3-(trifluoromethyl) phenyl]-4(1H)-pyridinone IUPAC name: 1-methyl-3-phenyl-5-( $\alpha,\alpha,\alpha$ -trifluoro-m -tolyl)-4-pyridone
433.	Flusilazole	CAS number:85509-19-9 CAS name:1-[[Bis(4-fluorophenyl)methylsilyl]methyl]-1H-1,2,4-triazole IUPAC name:bis(4-fluorophenyl)-methyl-(1,2,4-triazol-1-ylmethyl)silane
434.	Flurochloridone	CAS number: 61213-25-0 CAS name: 3-chloro-4-(chloromethyl)-1-[3-(trifluoro methyl) phenyl]-2-pyrrolidinone

		IUPAC name: (3RS,4RS;3RS,4SR)3 chloro-4chloromethyl -1-( $\alpha,\alpha,\alpha$ -trifluoro-m-tolyl)-2-pyrrolidinone-(in ratio 3:1)
435.	Fluroxypyr	CAS number: 69377-81-7 CAS name: 2-[(4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy]acetic acid IUPAC name: 4-amino-3,5-dichloro-6-fluoro-2-pyridyloxy acetic acid
436.	Fluroxypyr-meptyl	CAS number: 81406-37-3 CAS NAME: 2-butoxy-1-methylethyl[(4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy] acetate IUPAC NAME: (RS)-1-methylheptyl [(4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy]acetate
437.	Flurtamone	CAS number: 96525-23-4 CAS name: ( $\pm$ )-5-(methylamino)-2-phenyl-4-[3-(tri fluoromethyl)phenyl]-3(2H)-furanone IUPAC name: (RS)-5-methylamino-2-phenyl-4 ( $\alpha,\alpha,\alpha$ -trifluoro-m-tolyl) furan-3(2H)-one
438.	Fluthiacet-methyl	CAS number: 117337-19-6 CAS name: [[2-chloro-4-fluoro-5-[(tetrahydro-3-oxo-1H, 3H -[1,3,4]thiadiazolo [3,4-a]pyridazin-1-ylidene) amino] phenyl]thio]acetate IUPAC name: methyl 2[2-chloro-4-fluoro-5[[3-oxo-5,6, 7,8-tetrahydro-[1,3,4]-thiadiazolo[3,4-a]-pyridazin-1-ylidene)amino]phenyl]sulfanylacetate
439.	Flutianil	CAS number: 958647-10-4 CAS name: (2Z)-2-[[2-fluoro-5-(trifluoromethyl) phenyl] thio]-2-[3-(2-methoxyphenyl)-2-thiazolidinylidene] acetonitrile IUPAC name: (Z)-[3-(2-methoxyphenyl)-1,3-thiazolidin-2-ylidene] ( $\alpha,\alpha,\alpha$ , 4-tetrafluoro-m-tolylthio) aceto nitrile
440.	Flutolanil	CAS number: 66332-96-5 CAS name: N-[3-(1-methylethoxy)phenyl]-2-(trifluoro methyl) benzamide IUPAC name: $\alpha,\alpha,\alpha$ -trifluoro-3'-isopropoxy-o-toluanilide
441.	Flutriafol	CAS number: 76674-21-0 CAS name: ( $\pm$ )-a-(2-fluorophenyl)-a-(4-fluoro phenyl)-1H-1,2,4-triazole-1-ethanol IUPAC name: (RS)-2, 4'-difluoro-a-(1H-1, 2,4-triazol-1-ylmethyl) benzhydryl alcohol
442.	Fluxametamide	CAS number: 928783-29-3 CAS name: 4-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-3-isoxazolyl]-N-[(methoxyamino)methylene]-2-methylbenzamide IUPAC name: 4-[5-(3,5-dichlorophenyl)-5-(trifluoromethyl)-4H-1,2-oxazol-3-yl]-N-(methoxyiminomethyl)-2-methylbenzamide
443.	Fluxapyroxad	CAS number: 907204-31-3 CAS name: 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)1H-pyrazole-4-carboxamide IUPAC name: 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluorobiphenyl-2-yl)pyrazole-4-carboxamide
444.	Folpet	CAS number: 133-07-3 CAS name: 2-[(trichloromethyl)thio]-1H-isoindole-1,3 (2H)-dione IUPAC name: N-(trichloromethylthio) phthalimide
445.	Fomesafen	CAS number: 72178-02-0 CAS name: 5-[2-chloro-4-(trifluoromethyl)phenoxy]-N-(methylsulfonyl)-2-nitrobenzamide IUPAC name: 5-[2-chloro-4-(trifluoromethyl) Phenoxy] N-(methylsulfonyl)-2-nitrobenzene
446.	Fonofos	CAS number: 944-22-9 CAS name: Fonofos IUPAC name: O-ethyl S-phenyl(RS)-ethyl phosphono dithioate
447.	Forchlorfenuron	CAS number: 68157-60-8 CAS name: N-(2-chloro-4-pyridinyl)-N'-phenyl urea IUPAC name: 1-(2-chloro-4-pyridyl)-3-phenyl urea

448.	Formetanate hydrochloride	CAS number: 22259-30-9 CAS name: N,N-dimethyl-N'[3[[[(methylamino) carbon yl] oxy] phenyl] methanimidamide IUPAC name: 3-dimethyl aminomethylene aminophen yl methyl carbamate
449.	Formothion	CAS number: 2540-82-1 CAS name: S-[2-(formylmethylamino)-2-oxoethyl] O,O-dimethyl phosphorodithioate IUPAC name: S-[formyl (methyl) carbamoylmethyl] O,O-dimethyl phosphorodithioate
450.	Fosetyl-aluminium	CAS number: 39148-24-8 CAS name: Aluminium fosethyl IUPAC name: ethyl hydrogen phosphonate-aluminium
451.	Fosthiazate	CAS number: 98886-44-3 CAS name: O-ethyl S-(1-methylpropyl) (2-oxo-3-thiazolidinyl)phosphonothioate IUPAC name: (RS)-S-sec-butyl O-ethyl 2-oxo-1,3-thiazolidin-3-ylphosphonothioate;(RS)3[sec-butylthio(ethoxy) phosphinoyl]-1,3-thiazolidin-2-one
452.	Fujithion	CAS number: 3309-87-3 CAS name: Fujithion IUPAC name: S-(p-chlorophenyl)O,O-dimethyl phosphorothioate
453.	Furathiocarb	CAS number: 65907-30-4 CAS name: 2,3-dihydro-2,2-dimethyl-7-benzofuran-2,4-dimethyl-5-oxo-6-oxa-3-thia-2,4-diazadecan oate IUPAC name: butyl 2,3-dihydro-2,2-dimethyl benzofuran-7-yl-N, N'-dimethyl-N, N'-thiodicarbamate
454.	Furilazole	CAS number: 121776-33-8 CAS name: (±)-3-(dichloroacetyl)-5-(2-furanyl)-2,2 -dimethyloxazolidine IUPAC name: (RS)-3-dichloroacetyl-5-(2-furyl)-2,2-dimethyloxazolidine
455.	<i>Fusarium oxysporum</i> (non pathogenic)	-
456.	Gamma Cyhalothrin	CAS number: 76703-62-3 CAS name: (S)-cyano(3-phenoxyphenyl)methyl (1R, 3R)-3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2 -dimethylcyclopropanecarboxylate IUPAC name: (S)-α-cyano-3-phenoxybenzyl (1R,3R)-3-[(Z)2-chloro-3,3,3-trifluoropropenyl]2,2dimethylcyclo propanecarboxylate
457.	gamma-HCH (lindane)	CAS number:58-89-9 CAS name: (1α, 2α, 3β, 4α, 5α, 6β)1,2,3,4,5,6hexachloro cyclohexane IUPAC name: gamma-isomer of 1,2,3,4,5,6-hexa chloro cyclohexane
458.	Gibberellic acid (Gibberellins)	CAS number: 77-06-5 CAS name: (1S,2S,4aR,4bR,7S,9aS,10S,10aR)-1,2,4b,5,6,7,8,9,10,10a-decahydro-2,7dihydroxy-1-methyl-8 meth ylene-13-oxo4a,1(epoxymethano)7,9a-methanobenz [a] azulene-10-carboxylic acid IUPAC name: 3S, 3aS, 4S, 4aS, 7S, 9aR, 9bR, 12S) -7, 12-dihydroxy-3-methyl-6 methylene-2-oxo perhydro-4a, 7-methano-9b, 3-propeno [1,2-b] furan-4-carboxylic acid
459.	<i>Gliocladium Species</i>	-
460.	Glufosinate and its salt	CAS number: 77182-82-2 CAS name: ammonium (±)-2-amino-4-(hydroxy methyl phosphinyl) butanoate IUPAC name: ammonium 4-[hydroxy (methyl) phos phinoyl]-DL-homoalaninate
461.	Glufosinate-ammonium	CAS number: 77182-82-2 CAS name: Ammonium (3-amino-3-carboxypropyl)methylphosphinate

		IUPAC name: azanium;2-amino-4-[hydroxy(methyl)phosphoryl]butanoate
462.	Glyodin	CAS number: 556-22-9 CAS name: 2-heptadecyl-4,5-dihydro-1H-imidazole monoacetate IUPAC name: 2-heptadecyl-2-imidazole acetate
463.	Glyphosate	CAS number: 1071-83-6 CAS name: N-(phosphonomethyl)glycine IUPAC name: N-(phosphonomethyl) glycine
464.	Glyphosine	CAS number: 2439-99-8 CAS name: N,N-bis(phosphonomethyl)glycine IUPAC name: N, N-bis (phosphonomethyl)glycine
465.	Gossypure	CAS number: 50933-33-0 CAS name: a 1:1 mixture of (Z,Z)- and (Z,E)-7,11-hexa decadien-1-ol acetate IUPAC name:a 1:1 mixture of (Z,Z) and (Z,E)-hexa deca-7,11-dien-1-yl acetate
466.	<i>Granulosis Viruses (GV)</i>	-
467.	Halauxifen-methyl	CAS number: 943831-98-9 CAS name: methyl 4-amino-3-chloro-6-(4-chloro-2-fluoro-3-methoxyphenyl)-2-pyridinecarboxylate IUPAC name: methyl 4-amino-3-chloro-6-(4-chloro-2-fluoro-3-methoxyphenyl)pyridine-2-carboxylate
468.	Halosulfuron-methyl	CAS number: 100784-20-1 CAS name: 3-chloro-5-[[[(4,6-dimethoxy-2-pyrimidinyl) amino] carbonyl] amino] sulfonyl]-1-methyl-1H-pyrazole-4-carboxylate IUPAC name: methyl 3-chloro-5-(4,6-dimethoxy pyrimidin-2-ylcarbamoylsulfamoyl)-1-methylpyrazole-4-carboxylate
469.	Haloxifop-etotyl	CAS number: 87237-48-7 CAS name: 2-ethoxyethyl (±)-2-[4-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoate IUPAC name: ethoxyethyl (RS)-2-[4-(3-chloro-5-trifluoromethyl-2-pyridyloxy)phenoxy]propionate
470.	Haloxifop-p-methyl	CAS number: 69806-40-2 CAS name: Haloxifop-methyl IUPAC name: methyl (R) 2[4-(3-chloro-5-trifluoromethyl-2-pyridyloxy)phenoxy] propanoate
471.	Heptachlor	CAS number:76-44-8 CAS name: 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetra hydro-4,7-methano-1H-indene IUPAC name: 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetra hydro-4,7-methanoindene
472.	Heptenophos	CAS number: 23560-59-0 CAS name: 7-chlorobicyclo[3.2.0]hepta-2,6-dien-6-yl dimethyl phosphate IUPAC name: 7-chlorobicyclo[3,2,0]hepta-2,6-dien -6-yl dimethylphosphate
473.	Herbal Extract containing diallyl disulphide, allyl propyl disulphide and allyl isothiocyanate	CAS number:2179-57-9, 2179-59-1, and 57-06-7 CAS name:2-Propenyl disulphide , 2-Propenyl propyl disulfide , and 3-isothiocyanato-prop-1-ene IUPAC name: 3-(prop-2-enyl)disulfanyl)prop-1-ene , 1-(prop-2-enyl)disulfanyl)propane and 3-isothiocyanatoprop-1-ene Not available,
474.	Hexachlorobenzene	CAS number: 118-74-1 CAS name: 1,2,3,4,5,6-hexachlorobenzene IUPAC name: hexachloro benzene
475.	Hexaconazole	CAS number: 79983-71-4 CAS name: (±)-α-butyl-a-(2,4-dichlorophenyl)-1H-1,2,4-triazole-1-ethanol IUPAC name: (RS)-2-(2,4-dichlorophenyl)-1-(1H-1,2,4-triazol-1-yl)hexan-2-ol



476.	Hexadecenylacetate	CASNo.34010-21-4 CASName-Z11Hexadecenylacetate IUPAC name: [(Z)-hexadec-11-enyl]acetate
477.	Hexaflumuron	CAS number: 86479-06-3 CAS name: N[[[3,5-dichloro-4(1,1,2,2-tetrafluoroethoxy)phenyl]amino]carbonyl]2,6-difluorobenzamide IUPAC name: 1-[3,5-dichloro-4(1,1,2,2-tetra-fluoro eth oxy)phenyl]-3-(2,6-difluorobenzoyl)urea
478.	Hexamethyl disilazane	CAS number: 999-97-3 CAS name: Hexamethyldisilazane IUPAC name: 1,1,1,3,3,3- Hexamethyldisilazane
479.	Hexazinone	CAS number: 51235-04-2 CAS name: 3-cyclohexyl-6-(dimethylamino)-1-methyl-1,3,5-triazine-2,4-(1H,3H)-dione IUPAC name: 3-cyclohexyl-6-dimethylamino-1-methyl-1,3,5-triazine-2,4-(1H, 3H)-dione
480.	Hexythiazox	CAS number: 78587-05-0 CAS name: trans-5-(4-chlorophenyl)-N-cyclohexyl-4-methyl-2-oxo-3-thiazolidinecarboxamide IUPAC name: (4RS, 5RS)-5-(4-chlorophenyl)-N-cyclohexyl-4-methyl-2-oxo-1,3 thiazolidine-3-carboxamide
481.	<i>Hirsutella</i> species	-
482.	HL-Rope	CAS number:53939-28-9 ; 56219-04-6 CAS name:(Z)-Hexadec-11-enal,(Z)-Hexadec-9-enal IUPAC name: Z-11-hexadecenal, Z-9-hexadecenal
483.	HP-Rope	CAS number:53042-79-8 CAS name: 7Z,11E-Hexadecadienyl acetate IUPAC name: EZ-7, 11-hexadecadien-1-yl-acetate; Z-11-hexadecenal; Z-9-hexadecenal
484.	Hydramethylnon	CAS number: 67485-29-4 CAS name: tetrahydro-5,5-dimethyl-2(1H)-pyrimidinone [3[4(trifluoromethyl)phenyl]1[2[4(trifluoromethyl)phenyl]ethenyl]-2-propenyldene] hydrazone IUPAC name: 5,5dimethyl-perhydropyrimidin-2-one-4-trifluoromethyl-a-(4-trifluoromethylstyryl) cinnamylidene hydrazone
485.	Hydrogen cyanide	CAS number: 74-90-8 CAS name: hydrocyanic acid IUPAC name: hydrogen cyanide
486.	Hydrogen phosphide	CAS number: 7803-51-2 CAS name: phosphine IUPAC name: phosphine
487.	Hymexazole	CAS number: 10004-44-1 CAS name: 5-methyl-3(2H)-isoxazolone IUPAC name: 5-methylisoxazol-3-ol
488.	Imazalil	CAS number: 35554-44-0 CAS name: (±)-1-[2-(2,4-dichlorophenyl)-2-(2-propenyloxy)ethyl]-1H-imidazole IUPAC name: (±)-1-(b-allyloxy-2,4-dichlorophenylethyl)imidazole ; (±)-allyl 1-(2,4-dichlorophenyl)-2-imidazol-1-ylethyl ether
489.	Imazamethabenz-methyl	CAS number: 81405-85-8 CAS name: (±)-2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-4-methyl benzoate with methyl (±)-2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-methylbenzoate IUPAC name: A reaction product comprising methyl (±)-6-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-m-toluate and methyl (±)-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-p-toluate
490.	Imazamox	CAS number: 114311-32-9 CAS name: (±)-2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5(methoxymethyl)-3-pyridinecarboxylic acid

		IUPAC name: (RS)-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-5-methoxymethylnicotinic acid
491.	Imazapic	CAS number: 104098-48-8 CAS name: (±)2[4,5-dihydro-4-methyl-4(1methyl ethyl) -5-oxo-1H-imidazol-2-yl]-5-methyl-3-pyridine carboxylic acid IUPAC name: (+)-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-5-methylnicotinic acid
492.	Imazapyr	CAS number: 81510-83-0 CAS name: (±)-2-[4,5-dihydro-4-methyl-4(1-methyl ethyl)-5-oxo-1H-imidazol-2yl]-3-pyridinecarboxylic acid IUPAC name: 2-(4-isopropyl-4-methyl-5-oxo-imidazolin-2-yl)nicotinic acid
493.	Imazaquin	CAS number: 81335-37-7 CAS name: (±)-2[4,5-dihydro-4-methyl-4(1methyl ethyl)-5oxo-1H-imidazol-2-yl]-3-quinolinecarboxylic acid IUPAC name: (RS)-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-3-quinoline-3-carboxylic acid
494.	Imazethapyr	CAS number: 81335-77-5 CAS name: (±)-2[4,5-dihydro-4-methyl-4(1-methyl ethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-3-pyridine carboxylic acid IUPAC name: (RS)-5-ethyl-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl) nicotinic acid
495.	Imazosulfuron	CAS number: 122548-33-8 CAS name: 2-chloro-N-[[4,6-dimethoxy-2-pyrimidinyl) amino] carbonyl]imidazo[1,2-a]pyridine-3-sulfon amide IUPAC name: 1-(2-chlorolmidazo[1,2-a]pyridin-3-yl sulfonyl)-3-(4,6-dimethoxy-pyrimidin-2-yl)Urea
496.	Imibenconazole	CAS number: 86598-92-7 CAS name: (4-chlorophenyl)methyl N-(2,4-dichloro phenyl)-1H-1,2,4-triazole-1-ethanimidothioate IUPAC name: S(4-chlorobenzyl) N(2,4-dichlorophenyl) -2-(1H-1,2,4-triazol-1-yl)acetimidothioate
497.	Imidacloprid	CAS number: 138261-41-3 CAS name: 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro -2-imidazolidinimine IUPAC name: 1-(6-chloro-3-pyridylmethyl)-N-nitro -imidazolidin-2-ylideneamine
498.	Imidaclothiz	CAS number: 105843-36-5 CAS name: 1-[(2-chloro-5-thiazolyl)methyl]-4,5-dihydro -N-nitro-1H-imidazol-2-amine IUPAC name: (EZ)1-(2-chloro-1,3-thiazol-5-ylmethyl)-N-nitroimidazolidin-2-ylideneamine
499.	Iminoctadine	CAS number: 13516-27-3 CAS name: N,N'-(iminodi-8,1-octanediy)bis [guanidine] IUPAC name: 1,1' iminodi (octamethylene) diguanidine
500.	Imiprothrin	CAS number: 72963-72-5 CAS name: [2,5-dioxo-3(2propynyl)-1imidazolidinyl] methyl 2,2-dimethyl-3-(2-methyl-1-propenyl) cyclopropanecarboxylate IUPAC name: A mixture containing 20% of 2,5-dioxo-3-prop-2-ynylimidazolidin-1-ylmethyl (1R, 3S)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropane carboxylate and 80% of 2,5-dioxo-3-prop-2-ynylimidazolidin-1-ylmethyl (1R, 3S)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate
501.	Indaziflam	CAS number: 950782-86-2 CAS name: N[(1R,2S)2,3-dihydro-2,6-dimethyl-1H-inden-1-yl]-6-(1-fluoroethyl)1,3,5-triazine-2,4-diamine IUPAC name: N2-[(1R,2S)-2,3-dihydro-2,6-dimethyl-1H-inden-1-yl]-6-[(1R)-1-fluoroethyl]-1,3,5-triazine-2,4-diamine
502.	Indol-3-ylacetic acid and 4-indol-3-ylbutyric acid	CAS number: 87-51-4 (IAA) and 133-32-4 (IBA) CAS name: 1H-Indole-3-acetic acid and 1H-indole-3-butanoic acid IUPAC name: Indol-3-ylacetic acid and 4-(1H-Indol-3-yl)butyric acid

503.	Indoxacarb	CAS number: 144171-61-9 CAS name: methyl (S)-7-chloro-2,5-dihydro-2[[ (methoxy carbonyl)[4-(trifluoromethoxy)phenyl] amino] carbonyl] -indeno [1,2-e][1,3,4] oxadiazine-4a (3H) -carboxylate IUPAC name: methyl (S)-N-[7-chloro-2,3,4a,5 tetra hydro-4a(methoxycarbonyl) indeno [1,2-e] [1,3,4] oxadi azin-2ylcarbonyl]4'(trifluoromethoxy)carbanilate
504.	Inpyrfluxam	CAS number: 1352994-67-2 CAS name: Inpyrfluxam IUPAC Name: 3-(difluoromethyl)-1-methyl-N-[(3R)-1,1,3-tri methyl-2,3-dihydro inden-4-yl] pyrazole-4-carboxamide
505.	Iodosulfuron-methyl-sodium	CAS number: 144550-36-7 CAS name: methyl 4-iodo-2-[3-(4-methoxy-6-meth yl-1,3,5-triazin-2-yl)ureidosulfonyl]benzoate, sodium salt IUPAC name: methyl-4iodo-2[3(4-methoxy-6-meth yl-1,3,5-triazin-2-yl)-ureidosulfonyl benzoate sodium salt
506.	Ioxynil	CAS number: 1689-83-4 CAS name: 4-hydroxy-3,5-diiodobenzonitrile IUPAC name: 4-hydroxy-3,5-di-iodobenzonitrile
507.	Ipconazole	CAS number: 125225-28-7 CAS name: 2-[(4-chlorophenyl)methyl]-5-(1-methyl ethyl)-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol IUPAC name: -(IRS, 2SR,5RS: 1 RS, 2 SR, 5 SR)-2-(4-Chlorobenzyl)-5-isopropyl-1-(1H-1,2,4-triazole-1-ylmethyl) cyclopentanol
508.	Ipfencarbazone	CAS number: 212201-70-2 CAS name: 1(2,4-dichlorophenyl)N-(2,4-difluoro phenyl)-1,5-dihydro-N-(1-methylethyl)5-oxo-4H-1,2,4-tri azole-4-carboxamide IUPAC name: 1(2,4-dichlorophenyl)-2',4'-difluoro-1,5 di hydro-N-isopropyl-5-oxo-4H-1,2,4-triazole4-carboxa nilide
509.	Ipflufenquin	CAS number.:1314008-27-9 CAS name: 2-((7,8-Difluoro-2-methyl-3-quinolinyloxy)-6-fluoro-alpha,alpha-dimethylbenzenemethanol IUPAC name: 2-[(7,8-difluoro-2-methyl-3-quinolinyloxy)-6-fluoro- $\alpha,\alpha$ -imethylbenzenemethanol
510.	Iprodione	CAS number: 36734-19-7 CAS name: 3(3,5-dichlorophenyl)-N(1-methylethyl) -2,4-dioxo-1-imidazolidinecarboxamide IUPAC name: 3-(3,5-dichlorophenyl)-N-isopropyl-2,4-dioximidazolidine-1- carboxamide
511.	Iprovalicarb	CAS number: 140923-17-7 CAS name: 1-methylethyl [(1S)2-methyl-1-[[[1-(4- methylphenyl) ethyl] amino] carbonyl] propyl] carba mate IUPAC name: Isopropyl 2-methyl-1[(1-p-tolyl ethyl) carbamoyl] -(S)-propylcarbamate
512.	Isazofos	CAS number: 42509-80-8 CAS name: O-[5-chloro-1-(1-methylethyl)-1H-1,2,4 -triazol-3-yl] O,O-diethyl phosphorothioate IUPAC name: O-5-chloro-1-isopropyl-1H-1, 2,4-tria zol-3-yl O,O-diethyl phosphorothioate
513.	Iso bornyl thiocyanacetate	CAS number:115-31-1 CAS name: Isobornyl thiocyanatoacetate IUPAC name: exo-1,7,7-trimethyl bicyclo [2.2.1] hept-2-yl thiocyanatoacetate
514.	Isobenzan	CAS number: 297-78-9 CAS name: 1,3,4,5,6,7,8,8-octachloro-1,3,3a,4,7,7a-hexahydro-4,7-methanoisobenzofuran IUPAC name: 1,3,4,5,6,7,8,8-Octachloro-1,3,3a,4,7, 7a-hexahydro-4,7-methanoisobenzofuran
515.	Isocycloseram	CAS number: 1429660-18-3

		CAS name:4-[5-(3,5-dichloro-4-fluorophenyl)-4,5-dihydro-5-(trifluoromethyl)-3-isoxazolyl]-N-(2-ethyl-3-oxo-4-isoxazolidinyl)-2-methylbenzamide IUPAC name:4-[(5RS)-5-(3,5-dichloro-4-fluorophenyl)-4,5-dihydro-5-(trifluoromethyl)isoxazol-3-yl]-N-[(4RS)-2-ethyl-3-oxoisoxazolidin-4-yl]-o-toluamide
516.	Isofenphos	CAS number: 25311-71-1 CAS name: 1-methylethyl 2-[[ethoxy[(1-methyl ethyl) amino]phosphinothioyl]oxy]benzoate IUPAC name: O-ethyl O-2-isopropoxycarbonylphenyl N-isopropyl phosphoramidothioate
517.	Isofetamid	CAS number: 875915-78-9 CAS NAME: N-[1,1-dimethyl-2-[2-methyl-4-(1-methylethoxy)phenyl]-2-oxoethyl]-3-methyl-2-thiophenecarboxamide IUPAC NAME: N-[1,1-dimethyl-2-(4-isopropoxy-o-tolyl)-2-oxoethyl]-3-methylthiophene-2-carboxamide
518.	Isonoruron	CAS number: 28805-78-9 CAS name: N,N-dimethyl-N'-[octahydro-4,7-methano-1H-inden-1(or 2)-yl]urea IUPAC name: 1,1-dimethyl-3-(perhydro-4,7-methanoin den-1-yl)urea
519.	Isoprocab	CAS number: 2631-40-5 CAS name: 2-(1-methylethyl)phenyl N-methyl carbamate IUPAC name: 2-isopropylphenyl methylcarbamate
520.	Isoprothiolane	CAS number: 50512-35-1 CAS name: bis(1-methylethyl) 2-(1,3-dithiolan-2-ylidene)propanedioate IUPAC name: di-isopropyl 1,3-dithioalan-2-ylidene malonate
521.	Isoproturon	CAS number: 34123-59-6 CAS name: N,N-dimethyl-N'-[4-(1-methylethyl) phenyl] urea IUPAC name: 3-(4-isopropylphenyl)-1,1dimethyl urea
522.	Isopyrazam	CAS number: 881685-58-1 CAS name: 3-(difluoromethyl)-1-methyl-N-[1,2,3,4-tetrahydro-9-(1-methylethyl)-1,4-methanonaphthalen-5-yl]1H-pyrazole-4-carboxamide IUPAC name: mixture of 2 syn-isomers 3-(difluoromethyl)-1-methyl-N-[(1RS,4SR,9RS)1,2,3,4-tetrahydro-9isopropyl-1,4-methanonaphthalen-5-yl]pyrazole-4-carboxamide and 2 anti-isomers 3-(difluoromethyl)-1-methyl-N-[(1RS, 4SR,9SR)1,2,3,4-tetrahydro-9-isopropyl-1,4methanonaphthalen-5-yl]-pyrazole-4-carboxamide
523.	Isouron	CAS number: 55861-78-4 CAS name: N'-[5-(1,1-dimethylethyl)-3-isoxazolyl]-N,N-dimethylurea IUPAC name: 3(5-tert-butylisoxazol-3-yl)1,1-dimethyl urea
524.	Isoxaben	CAS number: 82558-50-7 CAS name: N-[3-(1-ethyl-1-methylpropyl)-5-isoxazolyl]-2,6-dimethoxybenzamide IUPAC name: N[3(1-ethyl-1-methylpropyl)isoxazol-5-yl]-2,6-dimethoxybenzamide
525.	Isoxaflutole	CAS number: 141112-29-0 CAS name: (5-cyclopropyl-4-isoxazolyl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone IUPAC name: 5-cyclopropyl-1,2-oxazol-4-yl $\alpha, \alpha, \alpha$ -trifluoro-2-mesyl-p-tolyl ketone
526.	Isoxathion	CAS number: 18854-01-8 CAS name: O,O-diethyl O(5-phenyl-3-isoxazolyl) phosphorothioate IUPAC name: O,O-diethyl O-5phenylisoxazol-3yl phosphorothioate
527.	Karanjin	CAS number: 521-88-0 CAS name: Karanjin IUPAC name: 3-methoxy-2-phenylfuro[2,3-h]chromen-4-one Karanjin (isolated from <i>Ponqamia glabra</i> )
528.	Kasugamycin	CAS number: 6980-18-3

		CAS name: 3-O-[2-amino-4-[(carboxyiminomethyl) amino]-2,3,4,6-tetradeoxy- $\alpha$ -D-arabino-hexopyranosyl]-D-chiro-inositol IUPAC name: [5-amino-2-methyl-6-((2,3,4,5,6-penta hydroxycyclohexyloxy) tetrahydropyran-3-yl)amino-a-iminoacetic acid hydrochloride hydrate
529.	Kresoxim-Methyl	CAS number: 143390-89-0 CAS name: Methyl( $\alpha$ E)- $\alpha$ -(methoxyimino)-2[(2-methyl phenoxy)methyl] benzeneacetate IUPAC name: Methyl(E)-methoxyimino-[2-(0-tolyloxy methyl) phenyl] acetate
530.	Lactofen	CAS number: 77501-63-4 CAS name: ( $\pm$ )-2-ethoxy-1-methyl-2-oxoethyl 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoate IUPAC name: O-[5-(2-chloro-a,a,a-trifluoro-p-tolyloxy) -2-nitrobenzoyl]-DL-lactate
531.	Laminarin	CAS number: 9008-22-4 CAS name: (1-3)-b-D-glucan IUPAC Name: (2S,3R,4S,5R,6R)-4-[(2S,3R,4S,5R,6R)-3,5-dihydroxy-6-(hydroxymethyl)-4-[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxyoxan-2-yl]oxy-6-(hydroxymethyl)oxane-2,3,5-triol
532.	Lancotrione Sodium	CAS number: 1486617-22-4 CAS name: sodium;2-[2-chloro-3-[2-(1,3-dioxolan-2-yl)ethoxy]-4-methylsulfonylbenzoyl]-3-oxocyclohexen-1-olate IUPAC name: Sodium 2- { 2 -chloro-3-[2-(1,3-dioxolan-2-yl) ethoxy]-4- mesylbenzoyl} -3- oxocyclohex-1-en-1-olate
533.	Lead arsenate	CAS number: 7784-40-9 CAS name: arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ) lead(2+) salt (1:1) IUPAC name: lead arsenate
534.	Lenacil	CAS number: 2164-08-1 CAS name: 3-cyclohexyl-6,7-dihydro-1H-cyclopenta pyri midine-2,4(3H,5H)-dione IUPAC name: 3-cyclohexyl-1,5,6,7-tetrahydrocyclopenta pyrimidine-2,4 (3H)-dione
535.	Lepimectin	CAS number: 171249-05-1 (6'-ethyl) and 171249-10-8 (6'-methyl) CAS name: (6R,13R,25R)-5-O-demethyl-28-deoxy-6,28-epoxy-13[(Z)[(methoxyimino)phenylacetyl]oxy]25-methyl milbemycin B mixture with (6R,13R,25R)-5-O-demethyl-28-deoxy-6,28-epoxy-25-ethyl-13-[(Z)-[(methoxyimino) phenylacetyl]oxy]milbemycin B IUPAC name: extended von Baeyer nomenclature: mixture of 80–100% (10E,14E,16E)(1R,4S,5'S,6R,6'R, 8R,12R,13S,20R,21R,24S)6'-ethyl21,24-dihydroxy -5',11, 13,22-tetramethyl-2-oxo(3,7,19trioxatetra cyclo [15.6.1. 14, 8.020,24]pentacosa-10,14,16,22-tetra ene) -6spiro-2'-(tetrahydropyran)12-yl(Z)-2-methoxyimino -2-phenyl acetate and 20–0% (10E,14E,16E)-(1R,4S,5'S,6R,6'R,8R, 12R,13S,20R,21R,24S)21,24-dihydroxy -5',6',11,13,22-pentamethyl-2-oxo(3,7,19-trioxatetra cyclo[15.6.1.14,8.0 20,24]pentacosa-10,14,16,22-tetraene)6-spiro-2'(tetra hydropyran)12yl(Z)2methoxy imino-2-phenylacetate
536.	Leptophos	CAS number: 21609-90-5 CAS name: O-(4-bromo-2,5-dichlorophenyl) O-methyl P-phenylphosphonothioate IUPAC name: O-4-bromo-2,5-dichlorophenyl O-methyl phenyl phosphonothioate
537.	Linuron	CAS number: 330-55-2 CAS name: N'-(3,4-dichlorophenyl)N-methoxy-N-methyl urea IUPAC name: 3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea
538.	Lufenuron	CAS number: 103055-07-8 CAS name: N-[[[2,5-dichloro-4(1,1,2,3,3,3-hexafluoropropoxy)phenyl]amino]carbonyl]-2,6-difluorobenzamide

		IUPAC name: (RS)-1-(2,5-dichloro-4-(1,1,2,3,3,3 hexafluoropropoxy)-phenyl)-3(2,6-difluorobenzoyl) -urea
539.	Magnesium phosphide	CAS number: 12057-74-8 CAS name: magnesium phosphide (Mg <sub>3</sub> P <sub>2</sub> ) IUPAC name: magnesium phosphide
540.	Malathion	CAS number:121-75-5 CAS name: diethyl 2[(dimethoxyphosphinothioyl)thio] buta nedioate IUPAC name: diethyl (dimethoxyphosphinothioylthio) succinate
541.	Maleic hydrazide	CAS number:123-33-1 CAS name: 1,2-dihydro-3,6-pyridazinedione IUPAC name: 6-hydroxy-2H pyridazin -3-one
542.	Mancozeb	CAS number: 8018-01-7 CAS name: [[2-[(dithiocarboxy)amino]ethyl] carba modithioato(2-)-κS,κS']manganese mixture with [[2-[(dithiocarboxy)amino]ethyl]carbamo dithioato (2-)-κS, κS']zinc IUPAC name: manganese ethylenebis (dithiocarba mate) (polymeric ) complex with zinc salt
543.	Mandipropamid	CAS number: 374726-62-2 CAS name: 4-chloro-N-[2-[3-methoxy-4-(2-propyn-1-yl oxy) phenyl] ethyl] -α-(2-propyn-1-yloxy) benzene acet amide IUPAC name: (RS)-2-(4-chlorophenyl)-N-[3-methoxy-4-(prop-2-ynyloxy) phenethyl]-2-(prop-2-ynyloxy) acet amide
544.	Maneb	CAS number:12427-38-2 CAS name: [[2-[(dithiocarboxy)amino]ethyl]carbamodi thioato(2-)-κS,κS']manganese IUPAC name: manganese ethylene bis(dithiocarbamate) (polymeric)
545.	Matrine	CAS number: 519-02-8 CAS name: (7aS,13aR,13bR,13cS)-dodecahydro-1H, 5H, 10H-dipyrido[2,1-f:3',2',1'-ij][1,6]naphthyridin-10-one IUPAC name: (7aS,13aR,13bR,13cS)-dodecahydro-1H, 5H,10H-dipyrido[2,1-f:3',2',1'-ij][1,6]naphthyridin-10-one
546.	MCPA	CAS number:94-74-6 CAS name: 2(4-chloro-2-methylphenoxy)acetic acid IUPAC name: (4-chloro-2-methylphenoxy)acetic acid
547.	MCPA-thioethyl	CAS number: 25319-90-8 CAS name: S-ethyl (4-chloro-2-methylphenoxy) ethane thioate IUPAC name:S-ethyl 4-chloro-o-tolyloxythioacetate
548.	MCPB	CAS number: 94-81-5 CAS name: 4-(4-chloro-2-methylphenoxy)butanoic acid IUPAC name: 4-(4-chloro-o-tolyloxy)butyric acid
549.	Mefentrifluconazole	CAS number: 1417782-03-6 CAS name: IUPAC name:(2RS)-2-[4-(4-chlorophenoxy)-α, α, α-trifluoro-0-tolyl]1-(1H-1,2,4-triazol-1-yl)propan-2-ol/α-[4-(4-chlorophenoxy)-2-(trifluoromethyl)phenyl]- α-methyl-1H-1,2,4-triazole-1-ethanol
550.	Menazon	CAS number: 78-57-9 CAS name: S-[(4,6-diamino-1,3,5-triazin-2yl)methyl]O, O-dimethyl phosphorodithioate IUPAC name: S4,6diamino-1,3,5-triazin-2yl methyl O,O-dimethyl phosphorodithioate
551.	Meperfluthrin	CAS number: 915288-13-0 CAS NAME: [2,3,5,6-tetrafluoro-4-(methoxymethyl)phenyl]methyl (1R,3S)-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate IUPAC NAME: 2,3,5,6-tetrafluoro-4-(methoxymethyl)benzyl(1R,3S)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate or 2,3,5,6-tetrafluoro-4-(methoxymethyl)benzyl(1R)-trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate
552.	Mephosfolan	CAS number: 950-10-7 CAS name: diethyl N-(4-methyl-1,3-dithiolan-2-yl) dene) phosphoramidate

		IUPAC name: diethyl 4-methyl-1,3-dithiolan-2-ylidene phosphoramidate
553.	Mepiquat chloride	CAS number: 24307-26-4 CAS name: 1,1-dimethylpiperidinium chloride IUPAC name: 1,1-dimethyl-piperidinium chloride
554.	Mepiquat Pentaborate	CAS number: 245735-90-4 CAS name: 1,1-dimethylpiperidinium salt with boric acid (H5B5O10) (1:1) IUPAC name: 1,1-dimethylpiperidinium pentaborate
555.	Meptyl Dinocap	CAS number: 131-72-6 CAS name: 2-(1-methylheptyl)-4,6-dinitrophenyl (2E) -2-butenolate IUPAC name: (RS)2(1-methylheptyl)4,6-dinitrophenyl crotonate
556.	Mercurious chloride	CAS number: 7546-30-7 CAS name: mercury chloride (Hg2Cl2) IUPAC name: mercury (I) chloride
557.	Mesosulfuron-methyl	CAS number: 208465-21-8 CAS name: methyl 2[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-4-[[[(methylsulfonyl)amino]methyl]benzoate IUPAC name: methyl 2[(4,6-dimethoxypyrimidin-2-yl carbamoyl)sulfamoyl]- $\alpha$ -(methanesulfonamido)-p-tolu ate
558.	Mesotrione	CAS number: 104206-82-8 CAS name: 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione IUPAC name: 2-(4-mesyl-2-nitrobenzoyl)cyclohexane -1, 3-dione
559.	Metaflumizone	CAS number: 139968-49-3 CAS name: 2-[2-(4-cyanophenyl)-1-[3-(trifluoro methyl)phenyl]ethylidene]-N-[4-(trifluoro methoxy)phenyl]hydrazinecarboxamide IUPAC name: mixture of 90–100% (E)-2'-[2-(4-cyanophenyl)-1-( $\alpha,\alpha,\alpha$ -trifluoro-m-tolyl)ethylidene]-4-(trifluoromethoxy)carbanilohydrazide and 10–0% (Z)-2'-[2-(4-cyanophenyl)-1-( $\alpha,\alpha,\alpha$ -trifluoro-m-tolyl) ethylidene]-4-(trifluoromethoxy) carbanilohydrazide
560.	Metalaxyl	CAS number: 57837-19-1 CAS name: methyl N-(2,6-dimethylphenyl)-N-(methoxy acetyl)-DL-alaninate IUPAC name: Methyl N-(methoxyacetyl)-N-(2,6-xylyl)-DL-alaninate
561.	Metalaxyl-M	CAS number: 70630-17-0 CAS name: methyl N-(2,6-dimethylphenyl)-N-(methoxy acetyl)-D-alaninate IUPAC name: methyl-N-(methoxyacetyl)-N-(2,6-xyl yl)-D-alaninate
562.	Metaldehyde	CAS number: 108-62-3 CAS name: 2,4,6,8-tetramethyl-1,3,5,7-tetroxocane IUPAC name: r-2,c-4,c-6,c-8-tetramethyl-1,3,5,7-tetro xocane
563.	Metamifop	CAS number: 256412-89-2 CAS name: (2R)-2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]-N-(2-fluorophenyl)-N-methylpropanamide IUPAC name: (R)2[4-(6-chloro-1,3-benzoxazol-2-yloxy)phenoxy]-2'-fluoro-N-methylpropionanilide
564.	Metamitron	CAS number: 41394-05-2 CAS name: 4-amino-3methyl-6-phenyl-1,2,4-triazin-5 (4H)-one IUPAC name: 4-amino-4,5-dihydro-3-methyl-6-phenyl-1,2,4-triazin-5-one
565.	Metam-Sodium	CAS number: 137-42-8 CAS name: Metham sodium IUPAC name: methylthiocarbamic acid
566.	<i>Metarrhizium anisopliae</i>	<i>Metarrhizium anisopliae var acridum</i>
567.	Metazachlor	CAS number: 67129-08-2 CAS name: 2-chloro-N-(2,6-dimethylphenyl)-N-(1H-pyrazol-1-ylmethyl)acetamide

		IUPAC name: 2-chloro-N-(pyrazol-1-ylmethyl)acet-2'.6'.xylidide
568.	Metazosulfuron	CAS number: 868680-84-6 CAS name: 3-chloro-4(5,6-dihydro-5-methyl-1,4,2-di oxazin-3-yl)-N-[[[(4,6-dimethoxy-2-pyrimidinyl)amino] carbonyl]-1-methyl-1H-pyrazole-5-sulfonamide IUPAC name: 1{3-chloro-1-methyl-4[(5RS)5,6dihydro-5-methyl-1,4,2-dioxazin-3-yl]pyrazol-5-ylsulfonyl}-3-(4,6-di methoxy pyrimidin-2-yl)urea
569.	Metbromuron	CAS number: 3060-89-7 CAS name: 3(4-Bromophenyl)-1-methoxy-1-methyl urea IUPAC name: N(p-bromophenyl)N'methyl N'methoxyurea
570.	Metconazole	CAS number: 125116-23-6 CAS name: 5-[(4-chlorophenyl)methyl]-2,2dimethyl -1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol IUPAC name: (1RS,5RS,1RS,5SR)-5(4chlorobenzyl) -2,2-dimethyl-1-(1H-1,2,4-triazol-1-yl methyl) cyclo penta nol
571.	Methabenzthiozuron	CAS number: 18691-97-9 CAS name: N-2-benzothiazolyl-N,N'-dimethylurea IUPAC name: 1-(1,3-benzothiazol-2-yl)-1,3-dimethyl urea
572.	Methacrifos	CAS number: 62610-77-9 CAS name: methyl (2E)-3-[(dimethoxyphosphinothi oyl) oxy]-2-methyl-2-propenoate IUPAC name: (E)-O-2-methoxycarbonylprop-1-enyl O,O-dimethyl phosphorothioate
573.	Methamidophos	CAS number: 10265-92-6 CAS name: O,S-dimethyl phosphoramidothioate IUPAC name: O,S-dimethyl phosphoramidothioate
574.	Methidathion	CAS number: 950-37-8 CAS name: S-[(5-methoxy-2-oxo-1,3,4-thiadiazol-3(2H)-yl)methyl] O,O-dimethyl phosphorodithioate IUPAC name: S-2,3-dihydro-5-methoxy-2-oxo-1,3,4-thiadizol-3-ylmethyl O, O dimethyl phosphorodithioate
575.	Methomyl	CAS number: 16752-77-5 CAS name: methyl N-[(methylamino)carbonyl]oxy] ethanimidothioate IUPAC name: S-methyl-N-(methylcarbamoxyloxy) thio acetimidate
576.	Methoprene	CAS number: 40596-69-8 CAS name: 1-methylethyl (2E,4E)-11-methoxy-3, 7,11-trimethyl-2,4-dodecadienoate IUPAC name: isopropyl (E, E)-(RS)-11-methoxy-3,7, 11-trimethyldodeca-2, 4- dienoate
577.	Methoxy ethyl mercury chloride	CAS number: 123-88-6 CAS name: chloro(2-methoxyethyl)mercury IUPAC name: methoxy ethyl mercury chloride
578.	Methoxychlor	CAS number: 72-43-5 CAS name: 1,1'-(2,2,2-trichloroethylidene)bis[4-methoxy benzene] IUPAC name: 1,1,1-trichloro-2,2-bis(4-methoxyphenyl) ethane
579.	Methoxyfenozide	CAS number: 161050-58-4 CAS name: 3-methoxy-2-methylbenzoic acid 2-(3,5-dimethylbenzoyl)-2(1,1dimethylethyl)hydrazide IUPAC name: N-tert-butyl-N'-(3methoxy-o-toluoyl) -3,5-xylohydrazide
580.	Methyl bromide	CAS number: 74-83-9 CAS name: bromomethane IUPAC name: Bromomethane
581.	Methyl Mercury Chloride	CAS number: 115-09-3 CAS name: chloro(methyl)mercury IUPAC name: methyl mercury chloride
582.	Methylmetiram	CAS number: 8064-35-5 CAS name: Methylmetiram IUPAC name: Methylmetiram



583.	Metiram	CAS number: 9006-42-2 CAS name: metiram IUPAC name: zinc ammoniate ethylene bis (dithio carbamate)- poly (ethylenethiuram disulphide)
584.	Metobromuron	CAS number: 3060-89-7 CAS name: N'-(4-bromophenyl)-N-methoxy-N-methyl urea IUPAC name: 3(4-bromophenyl)-1-methoxy-1-methyl urea
585.	Metofluthrin	CAS number: 240494-70-6 CAS name: [2,3,5,6-tetrafluoro-4-(methoxymethyl) phenyl] methyl 2,2-dimethyl-3-(1-propen-1-yl) cyclo propane carboxylate IUPAC name: 2,3,5,6 Tetrafluoro-4 (methoxymethyl) benzyl (EZ) (IRS, 3RS, IRS, 3SR)-2,2 di methyl-3-(Prop -1-enyl) cyclopropane carboxylate
586.	Metolachlor	CAS number: 51218-45-2 CAS name: 2-chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylethyl)acetamide IUPAC name: 2-chloro-6'-ethyl-N-(2-methoxy-1-methyl ethyl) aceto-o-toluidide
587.	Metominostrobin	CAS number: 133408-50-1 CAS name: (E)- $\alpha$ -methoxyimino-N-methyl-2-phenoxy benzeneacetamide IUPAC name: (E)2methoxyimino-N-methyl-2(2-pheno xy phenyl) acetamide
588.	Metoxuron	CAS number: 19937-59-8 CAS name: N'(3-chloro-4-methoxyphenyl)N,N-di methyl urea IUPAC name: 3(3-chloro-4-methoxyphenyl)1,1 di methyl urea
589.	Metrafenone	CAS number: 220899-03-6 CAS name: (3-bromo-6-methoxy-2-methylphenyl)(2,3,4 -trimethoxy-6-methylphenyl)methanone IUPAC name: 3'-bromo-2,3,4,6'-tetramethoxy-2',6-di methyl benzo phenone
590.	Metribuzin	CAS number: 21087-64-9 CAS name: 4-amino-6-(1,1-dimethylethyl)-3-(methyl thio)-1,2,4-triazin-5(4H)-one IUPAC name: 4-amino-6-tert-butyl-4,5-dihydro-3-methyl thio-1,2,4-triazin-5-one
591.	Metsulfovax	CAS number: 21452-18-6 CAS name: 2,4-dimethyl-N -phenyl-5-thiazolecarbox amide IUPAC name: 2,4-dimethyl-1,3-thiazole-5carboxani lide
592.	Metsulfuron	CAS number: 79510-48-8 CAS name: 2-[[[(4-methoxy-6-methyl-1,3,5-triazin -2-yl)amino]carbonyl]amino]sulfonyl]benzoic acid IUPAC name: 2-(4-methoxy-6-methyl-1,3,5-triazin-2-ylcarbamoylsulfamoyl) benzoic acid
593.	Metsulfuron-methyl	CAS number: 74223-64-6 CAS name: methyl2-[[[(4-methoxy-6-methyl-1,3,5tri azin-2-yl)amino]carbonyl]amino]sulfonyl]benzoate IUPAC name: methyl 3-[[[ (4-methoxy-6-methyl-1,3,5-triazin-2-yl) amino] carbonyl] amino] sulfonyl] benzoate
594.	Mevinphos	CAS number: 7786-34-7 CAS name: methyl 3[(dimethoxyphosphinyl)oxy]2-but enoate IUPAC name: 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate
595.	Mexacarbate	CAS number: 315-18-4 CAS name: 4-(dimethylamino)-3,5-dimethyl phenyl N-methylcarbamate IUPAC name: 4-dimethylamino-3, 5-xylylmethyl carba mate
596.	Milbemectin	CAS number: 51596-10-2 CAS name: A3:(6R,25R)-5-O-demethyl-28-deoxy-6, 28-epoxy-25-methylmilbemycin B;

		A4:(6R,25R)-5-O-demethyl-28-deoxy-6,28-epoxy-25-ethylmibemycin B IUPAC name: A mixture of 10E,14E,16E,22Z)(1R,4S,5'S,6R,8R,13R,20R,21R,24S)21,24-dihydroxy-5' 6', 11,13,22-penta methyl 3,7,19-tri oxatetracyclo {15.6.1.14.8020.24}pentacosa-10,14,16,22-tetraene-6 spiro-2-tetrahydropyran-2-one and (10E,14E,16E, 22Z)(1R,4S,5.S,6R,6.R,8R,13R,20R,21R,24S)3,7,19-tri oxatetracyclo[15.6.1.14.8020.24] pentacosa-10,14, 16,22-tetraene-6-spiro-2'-tetrahydro pyran-2-one in the ration 3 to 7
597.	Molinate	CAS number: 2212-67-1 CAS name: S-ethyl hexahydro-1H-azepine-1-carbothio ate IUPAC name: S-ethylperhydroazepin-1-thiocarboxylate
598.	Monocrotophos	CAS number: 6923-22-4 CAS name: dimethyl (1E)-1-methyl-3-(methyl amino) -3-oxo-1-propen-1-yl phosphate IUPAC name: dimethyl(E)1-methyl-2(methylcarbomoyl) vinyl phosphate
599.	Monolinuron	CAS number: 1746-81-2 CAS name: N'(4-chlorophenyl)N-methoxy-N-methyl urea IUPAC name: 3(4-chlorophenyl)1-methoxy-1methyl urea
600.	Monuron	CAS number: 150-68-5 CAS name: N'-(4-chlorophenyl)-N,N-dimethylurea IUPAC name: 3-(4-chlorophenyl)-1,1-dimethyl urea
601.	MSMA	CAS number: 2163-80-6 CAS name: sodium hydrogen As-methylarsonate IUPAC name: sodium hydrogen methyl arsonate
602.	Muscalure	CAS number: 27519-02-4 CAS name: (Z)-9-tricosene IUPAC name: (Z)-tricos-9-ene
603.	Myclobutanil	CAS number: 88671-89-0 CAS name: $\alpha$ -butyl- $\alpha$ -(4-chlorophenyl)-1H-1,2,4-triazole-1-propanenitrile IUPAC name: 2-p-chlorophenyl-2-(1H-1,2,4-triazol-1-ylmethyl) hexanenitrile
604.	<i>Mycothecirem Verrucaria</i>	-
605.	Nabam	CAS number:142-59-6 CAS name: disodium N,N'-1,2-ethanedylbis (carba modi thioate) IUPAC name: disodiumethylene bis(dithiocarba mate)
606.	N-acetylthiazolidine-4-carboxylic acid (NATCA)	CAS number: 5025-82-1 CAS name: N-Acetyl-L-thioprolin IUPAC name: N-acetylthiazolidine-4-carboxylic acid (NATCA)
607.	Naled	CAS number: 300-76-5 CAS name: 1,2dibromo-2,2-dichloroethyl dimethylphos phate IUPAC name: (1,2-dibromo-2,2-dichloroethyl)dimethyl phosphate)
608.	Naphthyl acetic acid	CAS number: 86-87-3 CAS name: 1-naphthaleneacetic acid IUPAC name: 1-naphthyl acetic acid
609.	Naproanilide	CAS number: 52570-16-8 CAS name: 2-(2-naphthalenyloxy)-N-phenylpropan amide IUPAC name: 2-(2-naphthyloxy)-N-phenylpropion amide
610.	Napropamide	CAS number: 15299-99-7 CAS name: N,N-diethyl-2(1naphthalenyloxy) propan amide IUPAC name: (RS)-N, N-diethyl-2-(1-naphthylenyloxy) propionamide
611.	Naptalam	CAS number: 132-66-1 CAS name: 2-[(1-naphthalenylamino)carbonyl] benzoic acid IUPAC name: N-1-naphthylphthalamic acid

612.	Neburon	CAS number: 555-37-3 CAS name: N-butyl-N'(3,4-dichlorophenyl)N-methyl urea IUPAC name: 1-butyl-3(3,4-dichlorophenyl)1methyl urea
613.	Neem products	CAS number: 11141-17-6 CAS name: dimethyl (2aR,3S,4S,4aR,5S,7aS,8S, 10R,10aS, 10bR)-10-(acetyloxy)octahydro-3,5-dihydroxy-4-methyl-8-[[{(2E)-2-methyl-1-oxo-2-buten-1-yl]oxy]-4-[(1aR,2S,3aS,6aS,7S,7aS)-3a,6a,7,7a-tetrahydro-6a-hydroxy-7a-methyl-2,7-methanofuro[2,3-b]oxireno[e]oxepin-1a(2H)-yl]-1H,7H-naphtho[1,8-bc:4,4a-c']difuran-5,10a(8H)-dicarboxylate IUPAC name: dimethyl (2aR,3S,4S,4aR,5S,7aS,8S,10R,10aS,10bR)-10-acetoxy-3,5-dihydroxy-4-[(1aR,2S,3aS,6aS,7S,7aS)-6a-hydroxy-7a-methyl-3a,6a,7,7a-tetrahydro-2,7-methanofuro[2,3-b]oxireno[e]oxepin-1a(2H)-yl]-4-methyl-8-[[{(2E)-2-methylbut-2-enoyl]oxy]octahydro-1H-naphtho[1,8a-c:4,5-b'c']difuran-5,10a(8H)-dicarboxylate Neem leaves, Neem oil, Neem seed kernel, Neem cake
614.	n-Heneicosane	CAS number: 629-94-7 CAS name: n-Heneicosane IUPAC name: Heneicosane
615.	Nickel chloride	CAS number: 7791-20-0 CAS name: Nickel (II) chloride IUPAC name: nickel chloride
616.	Niclosamide	CAS number: 50-65-7 CAS name: 5-chloroN(2-chloro-4-nitrophenyl)2-hydroxy benzamide IUPAC name: 2',5-dichloro-4'-nitrosalicylanilide-2',5-dichloro-4'-nitrosalicylanilide.
617.	Niclosamide-olamine	CAS number: 1420-04-8 CAS name: 5-chloro-N-(2-chloro-4-nitrophenyl)-2-hydroxybenzamide compound with 2-aminoethanol (1:1) IUPAC name: 2',5-dichloro-4'-nitrosalicylanilide-2-aminoethanol (1:1)
618.	Nicosulfuron	CAS number: 111991-09-4 CAS name: 2[[[(4,6-dimethoxy-2-pyrimidinyl)amino] carbonyl] amino] sulfonyl] N, N-dimethyl-3-pyridine carboxamide IUPAC name: 2-(4,6-dimethoxy pyrimidin-2-yl)carbamoylsulfamoyl-N, N-dimethylnicotinamide; 1(4,6-dimethoxy pyrimidin-2-yl)-3-(3-dimethylcarbamoyl-2-pyridyl sulfonyl) urea
619.	Nicotine sulfate	CAS number: 65-30-5 CAS name: 3-[(2S)-1-methyl-2-pyrrolidinyl]pyridine sulfate (2:1) IUPAC name: (S)3(1-methyl-pyrrolidin-2-yl)pyridinesulfate
620.	Nitenpyram	CAS number: 120738-89-8 CAS name: N-[(6-chloro-3-pyridinyl)methyl]-N-ethyl-N'-methyl-2-nitro-1,1-ethenediamine IUPAC name: (E)-N(6-chloro-3-pyridylmethyl)N-ethyl-N'-methyl-2-nitrovinylidenediamine
621.	Nitrobenzene	CAS number: 98-95-3 CAS NAME: Nitrobenzene IUPAC NAME: Nitrobenzene
622.	Nitrofen	CAS number: 1836-75-5 CAS name: 2,4-dichloro-1-(4-nitrophenoxy)benzene IUPAC name: 2,4-dichlorophenyl 4-nitrophenyl ether
623.	N-Methylene phosphoic chitosan	CAS number: 228566-31-2 CAS NAME: N-Methylene Phosphoic Chitosan IUPAC NAME: N-Methylene Phosphoic Chitosan
624.	<i>Nomuraea rileyi</i>	-
625.	Noruron	CAS number: 18530-56-8 CAS name: rel-N,N-dimethyl-N'-[(3aR,4S,5R,7S, 7aR)-octahydro-4,7-methano-1H-inden-5-yl]urea IUPAC name: 1,1-dimethyl-3-(perhydro-4,7-methanoinden-5-yl) urea

626.	Novaluron	CAS number: 116714-46-6 CAS name: (±)-N[[[3-chloro-4[1,1,2-trifluoro-2-(trifluoromethoxy)ethoxy]phenyl]amino]carbonyl]-2,6-difluorobenzamide IUPAC name: (+)-1-[3-chloro-4(1,1,2-trifluoro-2-trifluoromethoxyethoxy)-phenyl]-3-(2,6-difluoro benzoyl)urea
627.	Nuclear Polyhedrosis Viruses (NPV)	-
628.	Octadecenol	CASNo.69820-27-5 CASName-Cis-13-Octadecenol IUPAC name: (Z)-octadec-13-en-1-ol
629.	Octadecenylacetate	CASNo.60037-58-3 CASName-Z-13-Octadecenylacetate IUPAC name: [(Z)-octadec-13-enyl]acetate
630.	Omethoate	CAS number: 1113-02-6 CAS name: O,O-dimethyl S[2-(methylamino)2-oxoethyl]phosphorothioate IUPAC name: O,O-dimethyl S-methylcarbamoyl methyl phosphorothioate
631.	Orbencarb	CAS number: 34622-58-7 CAS name: S[(2-chlorophenyl)methyl]diethylcarbamothioate IUPAC name: S-2-chlorobenzyl diethylthiocarbamate
632.	Orthosulfamuron	CAS number: 213464-77-8 CAS name: 2[[[[[(4,6-dimethoxy-2-pyrimidinyl)amino] carbonyl] amino] sulfonyl] amino] N,N-dimethyl benzamide IUPAC name: 1-(4,6-dimethoxypyrimidin-2-yl)-3-[2-(dimethylcarbamoyl)phenylsulfamoyl] urea
633.	Oryastrobin	CAS number: 248593-16-0 CAS name: (αE)-α-(methoxyimino)-2-[(3E,5E,6E)-5-(methoxyimino)4,6-dimethyl-2,8-dioxa-3,7-diaza-3,6-nona dienyl]-N-methylbenzeneacetamide IUPAC name: (2E)-2-(methoxyimino)-2-{2-[(3E,5E, 6E)-5-(methoxyimino)-4,6-dimethyl-2,8-dioxa 3,7-diaz anona-3,6-dien-1-yl]phenyl}-N-methylacetamide
634.	Oryzalin	CAS number: 19044-88-3 CAS name: 4(dipropylamino)3,5-dinitrobenzenesulfonamide IUPAC name: 3,5-dinitro-N4,N4dipropylsulfanilamide
635.	Oxadiargyl	CAS number: 39807-15-3 CAS name: 3-[2,4-dichloro-5(2propynyloxy)phenyl]-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2(3H)-one IUPAC name: 5-tert-butyl-3-[2,4-dichloro-5-(prop-2-ynyl oxy)phenyl]-oxadiazol-2(3H)-one
636.	Oxadiazon	CAS number: 19666-30-9 CAS name: 3-[2,4-dichloro-5-(1-methylethoxy)phenyl]-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2(3H)-one IUPAC name: 5-tert-butyl-3-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4-oxadiazol-2(3H)-one
637.	Oxadixyl	CAS number: 77732-09-3 CAS name: N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide IUPAC name: 2-methoxy-N-(2-oxo-1,3-oxazolidin-3-yl)acetamide
638.	Oxamyl	CAS number: 23135-22-0 CAS name: 2-(dimethylamino)-N-[(methylamino)carbonyloxy]-2-oxoethanimidothioate IUPAC name: N,N-dimethyl-2-methylcarbamoyl oxyimino-2-(methylthio)acetamide
639.	Oxapyrazon	CAS number: 4489-31-0 CAS name: 2-[(5-bromo-1,6-dihydro-6-oxo-1-phenyl-4-pyridazinyl)amino]-2-oxoacetic acid

		IUPAC name: 5-bromo-1,6-dihydro-6-oxo-1-phenylpyridazin-4-yloxamic acid
640.	Oxathiapiprolin	CAS number: 1003318-67-9 CAS name: 1-[4-[4-[5-(2,6-difluorophenyl)-4,5-dihydro-3-isoxazolyl]2-thiazolyl]1-piperidinyl]-2-[5-methyl-3-(trifluoromethyl)-1H-pyrazol-1-yl]ethanone IUPAC name: 1-(4-{4-[(5RS)-5-(2,6-difluorophenyl)-4,5-dihydro-1,2-oxazol-3-yl]-1,3-thiazol-2-yl}-1-piperidyl)-2-[5-methyl-3-(trifluoromethyl)-1H-pyrazol-1-yl]ethanone
641.	Oxaziclomefone	CAS number: 153197-14-9 CAS name: 3-[1-(3,5-dichlorophenyl)-1-methylethyl]-3,4-dihydro-6-methyl-5-phenyl-2H-1,3-oxazin-4-one IUPAC name: 3-[2-(3,5-dichlorophenyl)propan-2-yl]-6-methyl-5-phenyl-2H-1,3-oxazin-4-one
642.	Oxine copper	CAS number: 10380-28-6 CAS NAME: bis(8-quinolinolato-κN <sup>1</sup> ,κO <sup>8</sup> )copper IUPAC NAME: bis(quinolin-8-olato- <i>O,N</i> )copper(II) or cupric 8-quinolinoxide
643.	Oxycarboxin	CAS number: 5259-88-1 CAS name: 5,6-dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide 4,4-dioxide IUPAC name: 5,6-dihydro-2methyl-1,4oxathi-ine 3-carboxanilide-4,4-dioxide
644.	Oxydemeton-methyl (Metasytox R)	CAS number: 301-12-2 CAS name: S-[2-(ethylsulfanyl)ethyl] O,O-dimethylphosphorothioate IUPAC name: S-2-ethylsulfanylethyl O,O-dimethylphosphorothioate
645.	Oxyfluorfen	CAS number: 42874-03-3 CAS name: 2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene IUPAC name: 2-chloro- <i>a,a,a</i> -trifluoro- <i>p</i> -tolyl 3-ethoxy-4-nitrophenyl ether
646.	Oxymatrine	CAS number: 16837-52-8 CAS name: (4R,7aS,13aR,13bR,13cS)-dodecahydro-1H,5H,10H-dipyrido[2,1-f:3',2',1'-ij][1,6]naphthyridin-10-one 4-oxide IUPAC name: (7aS,13aR,13bR,13cS)-dodecahydro-1H,5H,10H-dipyrido[2,1-f:3',2',1'-ij][1,6]naphthyridin-10-one 4-oxide
647.	<i>Paecilomyces lilacinus</i>	-
648.	Paclobutrazol	CAS number: 76738-62-0 CAS name: (R*,R*)-(±)-b-[(4-chlorophenyl)methyl]-a-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol IUPAC name: (2RS,3RS)-1-(4-chlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)pentan-3-ol
649.	Para-dichloro benzene	CAS number: 106-46-7 CAS name: 1,4-dichlorobenzene IUPAC name: para-dichlorobenzene
650.	Paraquat	CAS number: 4685-14-7 CAS name: 1,1'-dimethyl-4,4'-bipyridinium IUPAC name: 1,1'-dimethyl-4,4'-bipyridinediium
651.	Paraquat dichloride	CAS number: 1910-42-5 CAS name: 1,1'-dimethyl-4,4'-bipyridinium IUPAC name: 1,1'-dimethyl-4,4'-bipyridinediium
652.	Paraquat dimethyl sulphate	CAS number: 2074-50-2 CAS name: 1,1'-dimethyl-4,4'-bipyridinium bis(methyl sulphate) IUPAC name: 1,1'-dimethyl-4-(1-methylpyridine-1-ium-4-yl)pyridine-1-ium;methylsulphate
653.	Parathion	CAS number: 56-38-2 CAS name: O,O-diethyl O(4-nitrophenyl)phosphorothioate IUPAC name: O,O-diethyl-O-4-nitrophenyl phosphorothioate

654.	Parathion methyl (Methyl parathion)	CAS number: 298-00-0 CAS name: O,O-dimethyl O-(4-nitrophenyl) phosphoro thioate IUPAC name: O,O-dimethyl O-4-nitrophenyl phosphoro thioate
655.	Pebulate	CAS number: 1114-71-2 CAS name: S-propyl N-butyl-N-ethylcarbamothioate IUPAC name: S-propyl butyl (ethyl) thiocarbamate
656.	Penconazole	CAS number: 66246-88-6 CAS name: 1-[2-(2,4-dichlorophenyl)pentyl]-1H-1,2,4-triazole IUPAC name: 1-(2,4-dichloro-?-propylphenethyl)1H-1,2,4 triazole
657.	Pencycuron	CAS number: 66063-05-6 CAS name: N[(4-chlorophenyl)methyl]N-cyclopentyl -N'-phenylurea IUPAC name: 1-(4-chlorobenzyl)-1-cyclopentyl-3-phenylurea
658.	Pendimethalin	CAS number: 40487-42-1 CAS name: N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitro benzenamine IUPAC name: N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine
659.	Penflufen	CAS number: 494793-67-8 CAS name: N-[2-(1,3-dimethylbutyl)phenyl]-5-fluoro-1,3-dimethyl-1H-pyrazole-4-carboxamide IUPAC name: 2'-[(RS)-1,3-dimethylbutyl]-5-fluoro-1,3-dimethylpyrazole-4-carboxanilide .
660.	<i>Penicillium islanidicum</i>	-
661.	Penoxsulam	CAS number: 219714-96-2 CAS name: 2-(2,2-difluoroethoxy)-N-(5,8-dimethoxy [1,2,4]triazolo[1,5-c]pyrimidin-2-yl)-6-(trifluoromethyl) benzenesulfonamide IUPAC name: 2(2,2-difluoroethoxy)-N(5,8-dimethoxy [1,2,4]triazolo[1,5-c]pyrimidin-2-yl)6-(trifluoromethyl) benzenesulfonamide
662.	Pentachlorophenol	CAS number: 87-86-5 CAS name: 2,3,4,5,6-pentachlorophenol IUPAC name: pentachlorophenol
663.	Penthiopyrad	CAS number: 183675-82-3 CAS name: N[2(1,3-dimethylbutyl)-3-thienyl]1-methyl -3-(trifluoromethyl)-1H-pyrazole-4-carbox amide IUPAC name: (RS)-N[2-(1,3-dimethylbutyl)-3-thienyl] -1-methyl-3-(trifluoromethyl)pyrazole-4-carboxamide
664.	Permethrin	CAS number: 52645-53-1 CAS name: (3-phenoxyphenyl)methyl 3-(2,2-dichloro ethenyl)-2,2-dimethylcyclopropane carboxy late IUPAC name: 3-phenoxybenzyl (1RS, 3RS; 1RS, 3SR)-3-(2, 2-dichlorovinyl)-2,2-dimethylcyclopropane carboxylate
665.	Pethoxamid	CAS number: 106700-29-2 CAS name: 2-chloro-N-(2-ethoxyethyl)-N-(2-methyl-1-phenyl-1-propen-1-yl)acetamide IUPAC name: 2-chloro-N(2-ethoxyethyl)N(2-methyl-1-phenyl prop-1-enyl)acetamide
666.	Petroleum derived spray oil	CAS number: 8042-47-5 CAS name: Not available, IUPAC name: Produced by distillation at >3100 C and refinement of crude mineral oil. It is the combination of largely aliphatic hydrocarbon both saturated and unsaturated, the content of the latter being reduced by refinement.
667.	Phenmedipham	CAS number: 13684-63-4 CAS name: 3-[(methoxycarbonyl)amino]phenyl (3-methylphenyl)carbamate IUPAC name: methyl 3-(3-methylcarbaniloxy) carbanilate

668.	Phenothrin [(1R)-trans-isomer]	CAS number: 26002-80-2 CAS name: (3-phenoxyphenyl)methyl 2,2-dimethyl-3-(2-methyl-1-propen-1-yl)cyclopropanecarboxylate IUPAC name: 3-phenoxybenzyl (+)-cis-trans-chrys anthemate
669.	Phenothrin[(1R)-trans-isomer](d-phenothrin)	CAS number: 26046-85-5 CAS name: (3-phenoxyphenyl)methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate IUPAC name: 3-phenoxybenzyl (1R)-cis-trans-2,2-di methyl-3(2-methylprop-1-enyl)cyclopropane carboxy late
670.	Phenthoate	CAS number: 2597-03-7 CAS name: ethyl $\alpha$ -[(dimethoxyphosphinothioyl) thio] benzeneacetate IUPAC name: S- $\alpha$ -ethoxycarbonylbenzyl O,O-di methyl phosphorodithioate
671.	Phenyl mercury acetate	CAS number: 62-38-4 CAS name: (acetato- $\kappa$ O)phenylmercury IUPAC name: phenylmercury acetate
672.	Phenyl mercury chloride	CAS number: 100-56-1 CAS name: chlorophenylmercury IUPAC name: phenyl mercury chloride
673.	Phenyl mercury urea	CAS number: 2279-64-3 CAS name: phenyl(ureato- $\kappa$ N)mercury IUPAC name: phenyl mercury urea
674.	<i>Phlebia gigantean</i>	-
675.	Phorate	CAS number: 298-02-2 CAS name: O,O-diethyl S-[(ethylthio)methyl] phosphoro dithioate IUPAC name: O,O-diethyl S-ethylthiomethyl phosphoro dithioate
676.	Phosalone	CAS number: 2310-17-0 CAS name: S[(6-chloro-2-oxo-3(2H)benzoxazolyl)methyl] O,O-diethyl phosphorodithioate IUPAC name: S-6-chloro-2,3-dihydro-2-oxobenz oxa zol -3-yl methyl O,O-diethyl -phosphorodithioate
677.	Phosmet	CAS number: 732-11-6 CAS name: S-[(1,3-dihydro-1,3-dioxo-2H-isindol-2-yl) methyl]O,O-dimethyl phosphorodithioate IUPAC name: O,O-dimethyl-S-phthalimidomethyl phos phoro dithioate
678.	Phosphamidon	CAS number: 13171-21-6 CAS name: 2-chloro-3-(diethylamino)-1-methyl-3-oxo-1-propen-1-yl dimethyl phosphate IUPAC name: 2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate
679.	Phosphonic acid OR Potassium Phosphonate ( mixture of Mono Potassium and Di Potassium Salts of Phosphonic Acid)	CAS number: 3598-36-2, 13977-65-6 CAS name: Not available IUPAC name: i. Potassium hydrogen phosphonate ii. Dipotassium phosphonate IUPAC- Potassium hydrogen phosphonate
680.	Phosphorous Paste	CAS number: 7723-14-0 CAS name: phosphorus IUPAC name: phosphorus
681.	<i>Photorhabdus luminescences akhurstii</i> Strain K-I	-
682.	Phoxim	CAS number: 14816-18-3 CAS name: 4-ethoxy-7-phenyl-3,5-dioxa-6-aza-4-phos phaoct-6-ene-8-nitrile 4-sulfide IUPAC name: O,O-diethyl a-cyanobenzyl idene ami no-oxy phosphonothioate

683.	Phthalide (Herbicide)	CAS number: 27355-22-2 CAS name: 4,5,6,7-tetrachloro-1(3H)-isobenzofuranone IUPAC name: 4,5,6,7-tetrachlorophthalide
684.	Picarbutrazox	CASNo.500207-04-5 CAS name: 1,1-Dimethylethyl N-(6-(((Z)-((1-methyl-1H-tetrazol-5-yl)phenylmethylene)amino)oxy)methyl)-2-pyridinyl)carbamate IUPAC name: Tert-butyl{6-[(Z)-[(1-methyl-1H-tetrazol-5-yl)(phenyl)methylene] amino]oxy)methyl}-2-pyridyl} carbamate
685.	Picloram	CAS number: 1918-02-1 CAS name: 4-amino-3,5,6-trichloro-2-pyridinecarboxylic acid IUPAC name: 4-amino-3,5,6-trichloropicolinic acid
686.	Picoxystrobin	CAS number: 117428-22-5 CAS name: methyl (αE)(methoxymethylene)2[[[6-(trifluoromethyl)2pyridinyl]oxy]methyl]benzeneacetate IUPAC name: Methyl (E) 3-methoxy 2-[2-[6-(trifluoromethyl)-2-pyridyl]oxy]methyl]phenyl acrylate.
687.	Pimaricin	CAS number: 7681-93-8 CAS name: (1R,3S,5R,7R,8E,12R,14E,16E,18E,20E,22R,24S,25R,26S)22[[3-amino-3,6-dideoxy-β-D-mannopyranosyl]oxy]1,3,26-trihydroxy-12-methyl-10-oxo-6,11,28-trioxatricyclo[22.3.1.05,7]octacosane-8,14,16,18,20-pentaene-25-carboxylic acid IUPAC name: (8E, 14E, 16E, 18E, 20E)-(1R, 3S,5R, 7R, 12R, 22R, 24S, 25R, 26S)-22-(3-amino-3,6-dideoxy-β-D-mannopyranosyloxy)-1,3,26-trihydroxy-12-methyl-10-oxo-6,11,28-trioxatricyclo[22.3.1.05,7] octacosane-8,14,16, 18, 20-Pentaene 25-carboxylic acid
688.	Pindone	CAS number: 83-26-1 CAS name: 2-(2,2-dimethyl-1-oxopropyl)1H-indene-1,3 (2H)-dione IUPAC name: 2-pivaloylindane-1,3-dione
689.	Pinoxaden	CAS number: 243973-20-8 CAS name: 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl 2,2-dimethylpropanoate IUPAC name: 8-(2,6-diethyl-p-tolyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2d][1,4,5]oxadiazepin-9-yl-2,2-dimethyl propionate
690.	Piperalin	CAS number: 3478-94-2 CAS name: 3-(2-methylpiperidino)propyl 3,4-dichlorobenzoate IUPAC name: 3[(RS),2-Methylpiperidino] propyl 3,4-dichlorobenzoate
691.	Piperonyl butoxide	CAS number: 51-03-6 CAS name: 5-[[2-(2-butoxyethoxy)ethoxy]methyl]-6-propyl-1,3-benzodioxole IUPAC name: [2(2-butoxyethoxy)ethoxymethyl]6-propyl-1,3-benzodioxole
692.	Piperophos	CAS number: 24151-93-7 CAS name: S-[2-(2-methyl-1-piperidino)-2-oxoethyl] O, O-dipropyl phosphorodithioate IUPAC name: S-2 methylpiperidinocarbonyl methyl O,O-dipropyl phosphorodithioate
693.	<i>Piriformospora indica</i>	a plant root colonizing basidiomycete fungus
694.	Pirimiphos-methyl	CAS number: 29232-93-7 CAS name: Pirimiphos-methyl IUPAC name: O-2-diethylamino-6-methylpyrimidin-4-yl O,O-dimethyl phosphorothioate
695.	Plant Extract of <i>Swinglea glutinosa</i>	Scientific Name: <i>Swinglea glutinosa</i>
696.	Poly-D-Glucosamine	CAS number: 9012-76-4 CAS name: Chitosan IUPAC name: Poly(1,4)-2-amino-2-deoxy-β-D-Glucan



697.	Polyoxin (Polyoxin-B, Polyoxin-D, Polyoxin-AL)	CAS number: 11113-80-7 CAS name: 5-[[2-amino-5-O-(aminocarbonyl)-2-deoxy-L-xyloonyl]amino]1(5-carboxy-3,4-dihydro-2,4-dioxo-1(2H)-pyrimidinyl)-1,5-dideoxy-β-D-allofuran uronic acid IUPAC name: 5-(2-amino-5-O-carbamoyl-2-deoxy-L-xyloonylamido)-1-(5-carboxy-1,2,3,4-tetrahydro-2,4-dioxopyrimidin-1-yl)-1,5-dideoxy-β-D-allofuranuronic acid
698.	Polyoxin D, zinc salt	CAS number: 33401-46-6 CAS name: 5-Pyrimidinecarboxylic acid, 1-(5-(2-amino-2-deoxy-L-xyloamino)-5-deoxy-beta-D-allofuranuronosyl)-1,2,3,4-tetrahydro-2,4-dioxo-, monocarbamate (ester), zinc salt IUPAC name: 5-(2-amino-5-O-carbamoyl-2-deoxy-L-xyloonylamido)-1-(5-carboxy-1,2,3,4-tetrahydro-2,4-dioxopyrimidin-1-yl)-1,5-dideoxy-β-D-allofuranuronic acid
699.	Polyoxorim	CAS number: 22976-86-9 CAS name: 5-[[2-amino-5-O-(aminocarbonyl)-2-deoxy-L-xyloonyl]amino]-1-(5-carboxy-3,4-dihydro-2,4-dioxo-1(2H)-pyrimidinyl)-1,5-dideoxy-β-D-allofuran uronic acid IUPAC name: 5-(2-amino-5-O-carbamoyl-2-deoxy-L-xyloonylamido)-1-(5-carboxy-1,2,3,4-tetrahydro-2,4-dioxopyrimidin-1-yl)-1,5-dideoxy-β-D-allofuran uronic acid
700.	Potassium cyanide	CAS number: 151-50-8 CAS name: potassium cyanide IUPAC name: potassium cyanide
701.	Potassium Phosphonate	CAS number: 7778-77-0 CAS name: Not available, IUPAC name: H KO - P - OK O & tripotassium;phosphate
702.	Potassium Salts of fatty acids [C12-C18 Saturated and C18 unsaturated]	CAS number: 67701-09-1 CAS Name: Fatty acids, C8-18 and C18- unsaturated Potassium Salts IUPAC name: Not available,
703.	Prallethrin	CAS number: 23031-36-9 CAS name: 2-methyl-4-oxo-3-(2-propyn-1-yl)-2-cyclopenten-1-yl 2,2-dimethyl-3-(2-methyl-1-propen-1-yl) cyclopropanecarboxylate IUPAC name: (S)-2-methyl-4-oxo-3-prop-2-ynyl cyclopent-2-enyl (1R)-cis-trans-2,2-dimethyl-3-(2-methylprop-1-enyl) cyclopropanecarboxylate
704.	Pretilachlor	CAS number: 51218-49-6 CAS name: 2-chloro-N-(2,6-diethylphenyl)-N-(2-propoxy ethyl)acetamide IUPAC name: 2-chloro-2', 6'-diethyl-N-(2-propoxy ethyl) acetanilide
705.	Probenazole	CAS number: 27605-76-1 CAS name: 3-(2-propen-1-yloxy)-1,2-benzisothiazole 1,1-dioxide IUPAC name: 3-allyloxy-1,2-benz[d] isothiazol-1,1-dioxide
706.	Prochloraz	CAS number: 67747-09-5 CAS name: N-propyl-N-[2-(2,4,6-trichlorophenoxy) ethyl]-1H-imidazole-1-carboxamide IUPAC name: N-propyl-N-[2-(2,4,6-trichlorophenoxy) ethyl] -imidazole-1-carboxamide
707.	Procymidone	CAS number: 32809-16-8 CAS name: 3-(3,5-dichlorophenyl)-1,5-dimethyl-3-azabicyclo[3.1.0]hexane-2,4-dione IUPAC name: N-(3,5-dichlorophenyl)-1,2-dimethyl cyclopropane-1,2-dicarboximide
708.	Prodiamine	CAS number: 29091-21-2 CAS name: 2, 4-dinitro-N3, N3-dipropyl-6-(trifluoro methyl) -1,3-benzenediamine IUPAC name: 5-isopropylamino-a,a,a-trifluoro-4,6-dinitro-0-toluidine; 2, 6-dinitro-N1,N1-dipropyl-4-trifluoromethyl-m-Phenylenediamine

709.	Profenofos	CAS number: 41198-08-7 CAS name: O-(4-bromo-2-chlorophenyl) O-ethyl S-propyl phosphorothioate IUPAC name: O-4-bromo-2-chlorophenyl-O-ethyl S -propyl phosphorothioate
710.	Profluthrin	CAS number: 223419-20-3 CAS name: (2,3,5,6-tetrafluoro-4-methylphenyl)methyl 2,2-dimethyl-3-[(E)-prop-1-enyl]cyclopropane-1-carboxylate IUPAC name: (2,3,5,6-tetrafluoro- 4-methylbenzyl (1RS)-cis-trans-2,2-dimethyl-3-[(EZ)- prop-1- enyl] cyclopropane carboxylate
711.	Profoxydim	CAS number: 139001-49-3 CAS name: 2[1[[[2(4-chlorophenoxy)propoxy]imino]but yl]-3-hydroxy-5-(tetrahydro-2H-thiopyran-3-yl)-2-cyclo hexen-1-one IUPAC name: (EZ)2{ 1[(2RS)2-(4-chlorophenoxy)prop oxyimino]butyl}3-hydroxy-5(cis-thian-3-yl)cyclohex-2-en-1-one
712.	Prohexadione Calcium	CAS number: 127277-53-6 CAS name: 3,5-Dioxo-4-propionyl-cyclohexane carboxylic acid calcium salt IUPAC name: 3,5-Dioxo-4-propionyl-cyclohexane car boxylic acid calcium salt
713.	Prometryn	CAS number: 7287-19-6 CAS name: N,N'-bis(1-methylethyl)-6-(methylthio)-1,3, 5-triazine-2,4-diamine IUPAC name: N2,N4,-di-isopropyl-6-methylthio-1,3,5-tri azine-2, 4-diamine
714.	Propamocarb hydrochloride	CAS number: 25606-41-1 CAS name: [3-(dimethylamino) propyl] carbamate hydro chloride IUPAC name: propyl3-(dimethylamino)-propyl carba mate hydro chloride
715.	Propanil	CAS number: 709-98-8 CAS name: N-(3,4-dichlorophenyl) propanamide IUPAC name: 3',4'-dichloropropionanilide
716.	Propaquizafop	CAS number: 111479-05-1 CAS name: (R)-2-[[[(1-methylethylidene)amino]oxy] ethyl 2-[4-[(6-chloro-2-quinoxalinyloxy]phenoxy] pro panoate IUPAC name: 2-isopropylidene-oxyethyl (R)-2-[4-(6-chloroquinoxalin-2-yloxy)phenoxy] propionate
717.	Propargite	CAS number: 2312-35-8 CAS name: 2-[4-(1,1-dimethylethyl)phenoxy] cyclo hexyl 2-propyn-1-yl sulfite IUPAC name: (1RS,2RS;1RS,2SR)2(4-tert-butylphenoxy) cyclohexyl prop-2-ynyl sulfite or 2-(4-tert-butyl phenoxy) cyclohexyl prop-2-ynyl sulfite
718.	Propetamphos	CAS number: 31218-83-4 CAS name: 1-methylethyl (2E)-3-[[[(ethylamino) methoxy phosphinothioyl]oxy]-2-butenolate IUPAC name: (E)-O-2-isopropoxycarbonyl-1-methylvinyl O-methyl ethylphosphoramidothioate
719.	Propiconazole	CAS number: 60207-90-1 CAS name: 1[[[2-(2,4-dichlorophenyl)-4-propyl-1,3-di oxolan-2-yl]methyl]-1H-1,2,4-triazole IUPAC name: (+)-1-[2(2,4dichlorophenyl)-4-propyl -1,3-dioxolan-2-yl methyl]-1H-1,2,4-triazole
720.	Propineb	CAS number: 12071-83-9 CAS name: [[2-[(dithiocarboxy)amino]-1-methylethyl] carbamodithioato(2-)-κS,κS']zinc IUPAC name: polymeric zinc propylenebis (dithio carba mate)

721.	Propisochlor	CAS number: 86763-47-5 CAS name: 2-chloro- <i>N</i> -(2-ethyl-6-methylphenyl)- <i>N</i> -[(1-methylethoxy)methyl]acetamide IUPAC name: 2-chloro-6'-ethyl- <i>N</i> -isopropoxymethyl aceto-toluidide
722.	Propoxur	CAS number: 114-26-1 CAS name: 2-(1-methylethoxy)phenyl <i>N</i> -methylcarbamate IUPAC name: 2-isopropoxyphenyl methylcarbamate
723.	Propoxycarbazone-sodium	CAS number: 145026-81-9 CAS name: methyl 2-[[[(4,5-dihydro-4-methyl-5-oxo-3-propoxy-1 <i>H</i> -1,2,4-triazol-1-yl)carbonyl] amino] sulfonyl] benzoate IUPAC name: 2-[(4-methyl-5-oxo-3-propoxy-4,5-dihydro-[1,2,4,]triazole-carbonyl)-sulfamoyl]-benzoic acid methylester, sodium salt
724.	Propyrisulfuron	CAS number: 570415-88-2 CAS Name.: 2-chloro- <i>N</i> -[[[4,6-dimethoxy-2-pyrimidinyl]amino]carbonyl]-6-propylimidazo[1,2- <i>b</i> ]pyridazine-3-sulfonamide IUPAC Name: 2-chloro- <i>N</i> -[[4,6-dimethoxypyrimidin-2-yl]carbonyl]-6-propylimidazo[1,2- <i>b</i> ]pyridazine-3-sulfonamide
725.	Propyzamide	CAS number: 23950-58-5 CAS name: 3,5-dichloro- <i>N</i> -(1,1-dimethyl-2-propyn-1-yl) benzamide IUPAC name: 3,5-dichloro- <i>N</i> -(1,1-dimethylpropynyl) benzamide
726.	Proquinazid	CAS number: 189278-12-4 CAS name: 6-iodo-2-propoxy-3-propyl-4(3 <i>H</i> )-quinazolin one IUPAC name: 6-iodo-2-propoxy-3-propylquinazolin-4 (3 <i>H</i> )-one
727.	Prosulfocarb	CAS number: 52888-80-9 CAS name: <i>S</i> -(phenylmethyl) dipropylcarbamothioate IUPAC name: <i>S</i> -benzyl dipropylthiocarbamate
728.	Prothioconazole	CAS number: 178928-70-6 CAS NAME: 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-2,4-dihydro-3 <i>H</i> -1,2,4-triazole-3-thione IUPAC NAME: <b>(<i>RS</i>)-2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-2,4-dihydro-1,2,4-triazole-3-thione</b>
729.	Prothiofos	CAS number: 34643-46-4 CAS name: <i>O</i> -(2,4-dichlorophenyl) <i>O</i> -ethyl <i>S</i> -propyl phosphorodithioate IUPAC name: <i>O</i> -2,4-dichlorophenyl- <i>O</i> -ethyl <i>S</i> -propyl phosphorodithioate
730.	Prothoate	CAS number: 2275-18-5 CAS name: <i>O,O</i> -diethyl <i>S</i> -[2-[(1-methylethyl) amino]-2-oxoethyl] phosphorodithioate IUPAC name: <i>O,O</i> -diethyl <i>S</i> -isopropylcarbamoyl methyl phosphorodithioate
731.	Prynachlor	CAS number: 21267-72-1 CAS name: 2-chloro- <i>N</i> -(1-methyl-2-propyn-1-yl)- <i>N</i> -phenylacetamide IUPAC name: 2-chloro- <i>N</i> -(1-methylprop-2-ynyl)acetamide
732.	<i>Pseudomonas Spp</i>	-
733.	Pydiflumetofen	CAS number: 1228284-64-7 CAS name: Not available, information may be sought from the applicant included in the schedule IUPAC name: 3-[difluoromethyl]- <i>N</i> -methoxy-methyl- <i>N</i> [1-methyl-2-{2,4,6-trichlorophenyl}ethyl]-1 <i>H</i> -pyrazole-4-carboxamide
734.	Pymetrozine	CAS number: 123312-89-0 CAS name: ( <i>E</i> )-4,5-dihydro-6-methyl-4[(3-pyridinyl methylene)amino]-1,2,4-triazin-3(2 <i>H</i> )-one IUPAC name: ( <i>E</i> )-4,5-dihydro-6-methyl-4(3-pyridyl methyleneamino)-1,2,4-triazin-3(2 <i>H</i> )-one

735.	Pyracarbolid	CAS number: 24691-76-7 CAS name: 3,4-dihydro-6-methyl-N-phenyl-2H-pyran-5-carboxamide IUPAC name: 3,4-dihydro-6-methyl-2H-pyran-5-carboxamide
736.	Pyraclufos	CAS number: 89784-60-1 CAS name: (±)-O-[1-(4-chlorophenyl)-1H-pyrazol-4-yl] O-ethyl S-propyl phosphorothioate IUPAC name: (RS)-[O-1-(4-chlorophenyl)pyrazol-4-yl] O-ethyl S-propyl phosphorothioate
737.	Pyraclostrobin	CAS number: 175013-18-0 CAS name: [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl] oxy] methyl]phenyl]methoxycarbamate IUPAC name: Methyl N-(2-[[1-(4-chlorophenyl)-1H-pyrazol-3-yl] oxy methyl] phenyl) N-methoxy carbamate
738.	Pyraflufen-ethyl	CAS number: 129630-19-9 CAS name: 2-chloro-5[4-chloro-5(difluoromethoxy)-1-methyl-1H-pyrazol-3-yl]-4-fluorophenoxy acetate IUPAC name: Ethyl-2-chloro-5(4chloro-5difluoromethoxy -1-methyl pyrazol-3-yl)-4-fluorophenoxy acetate
739.	Pyrapropoyne	1H-pyrazole-4-carboxamide, N-[(2Z)-2-[3-chloro-5-(2-cyclopropylethynyl) -2-pyridinyl]-2 -[(1 -methylethoxy)imino]ethyl]-3-(difluoromethyl)-1-methyl
740.	Pyraziflumid	CAS number: 942515-63-1 CAS Name: N-(3',4'-difluoro[1,1'-biphenyl]-2-yl)-3-(trifluoromethyl)-2-pyrazinecarboxamide IUPAC name: N-(3',4'-difluorobiphenyl-2-yl)-3-(trifluoromethyl)pyrazine-2-carboxamide
741.	Pyrazophos	CAS number: 13457-18-6 CAS name: ethyl 2-[(diethoxyphosphinothioyl)oxy]-5-methylpyrazolo[1,5-a]pyrimidine-6-carboxylate IUPAC name: ethyl 2-diethoxyphosphinothioxyloxy-5-methyl pyrazolo[1,5-a]pyrimidine-6-carboxylate
742.	Pyrazosulfuron and Pyrazosulfuron-ethyl	<b>Pyrazosulfuron</b> CAS number: 98389-04-9 CAS name: 5-[[[(4,6-dimethoxy-2-pyrimidinyl) amino] carbonyl] amino] sulfonyl]-1-methyl-1H-pyrazole-4-carboxylic acid IUPAC name: 5-(4,6-dimethoxypyrimidin-2-ylcarbonyl sulfamoyl)-1-methylpyrazole-4-carboxylic acid  <b>Pyrazosulfuron-ethyl</b> CAS number: 93697-74-6 CAS name: 5-[[[(4,6-dimethoxy-2-pyrimidinyl) amino] carbonyl]amino]sulfonyl]-1-methyl-1H-pyrazole-4-carboxylate IUPAC name: ethyl 5-(4,6-dimethoxypyrimidin-2-yl carbonylsulfamoyl)-1-methyl pyrazole -4-carboxylate.
743.	Pyrazoxyfen	CAS number: CAS RN 71561-11-0 CAS name: 2-[[4-(2,4-dichlorobenzoyl)-1,3-dimethyl-1H-pyrazol-5-yl]oxy]-1-phenylethanone IUPAC name: 2[[4-(2,4-dichlorobenzoyl)-1,3 dimethylpyrazole-5-yloxy ] acetophenone
744.	Pyrethrins (Pyrethrum)	CAS number: 121-21-11,25402-06-6,4466-14-2 CAS name: For pyrethrin I -(1S)-2-methyl-4-oxo-3-[(2Z)-penta-2,4-dien-1-yl]cyclopent-2-en-1-yl (1R,3R)-2,2-dimethyl-3-(2-methylprop-1-en-1-yl) cyclopropanecarboxylate, For cinerin I -(1S)-3-[(2Z)-but-2-en-1-yl]-2-methyl-4-oxocyclopent-2-en-1-yl (1R,3R)-2,2-dimethyl-3-(2-methylprop-1-en-1-yl) cyclopropanecarboxylate For Jasmolin I -(1S)-2-methyl-4-oxo-3-[(2Z)-pent-2-en-1-yl]cyclopent-2-en-1-yl (1R,3R)-2,2-dimethyl-3-(2-methylprop-1-en-1-yl) cyclopropanecarboxylate IUPAC names:

		For pyrethrin 1- (Z)-(S)-2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl(1R)-trans-2,2-dimethyl-3-(2-methyl prop-1-enyl) cyclopropanecarboxylate For cinerin 1-(Z)-(S)-3-(but-2-enyl)-2-methyl-4-oxocyclopent-zenyl(1R) -trans-2,2-dimethyl-3-(2-methylprop-1-enyl)-cyclopropanecarboxilate For Jasmolin 1 - (Z)-(S)-2-methyl - 4-oxo-3-(pent-2-enyl)cyclopent-2-enyl (1R)-trans-2,2-dimethyl-3-(2-methylprop-1-enyl) cyclopropanecarboxylate
745.	Pyribenzoxim	CAS number: 168088-61-7 CAS name: Diphenylmethanone,O[[2,6bis(4,6 dimethoxy -2-pyrimidinyl)oxy]benzoyl]oxime IUPAC name: Diphenylmethanone-O-[2,6-bis[(4, 6-di methoxy-2-pyrimidinyl)oxy]benzoyl]oxime
746.	Pyridaben	CAS number: 96489-71-3 CAS name: 4-chloro-2(1,1-dimethylethyl)-5-[[[4-(1,1-dimethylethyl)phenyl]methyl]thio]3(2H)pyridazinone IUPAC name: 2-tert-butyl-5-(4-tert-butylbenzylthio)-4-chloropyridazin-3(2H)-one
747.	Pyridalyl	CAS number: 179101-81-6 CAS name: 2[3-[2,6-dichloro-4[(3,3-dichloro-2-pro pen-1-yl)oxy]phenoxy]propoxy]-5(trifluoro methyl) pyridine IUPAC name: 2,6-dichloro-4(3,3-dichloro allyloxy) phenyl 3-[5-trifluoro methyl]-2-pyridyloxy propyl ether
748.	Pyridaphenthion	CAS number: 119-12-0 CAS name: O-(1,6-dihydro-6-oxo-1-phenyl-3-pyridazin yl) O,O-diethyl phosphorothioate IUPAC name: O-(1,6-dihydro-6-oxo-1-phenylpyrid azin-3-yl)O,O-diethyl phosphorothioate
749.	Pyridate	CAS number: 55512-33-9 CAS name: O-(6-chloro-3-phenyl-4-pyridazinyl) S-octyl carbonothioate IUPAC name: 6-chloro-3-phenylpyridazin-4-yl S-octyl thi ocarboante
750.	Pyrifluquinazon	CAS number: 337458-27-2 CAS name: 1acetyl-3,4-dihydro-3[(3-pyridinylmethyl) amino]6[1,2,2,2-tetrafluoro-1(trifluoromethyl)ethyl] -2 (1H) -quinazolinone IUPAC name: 1-acetyl-1,2,3,4-tetrahydro3[(3-pyridyl methyl)amino]6[1,2,2,2-tetrafluoro-1-(trifluoromethyl) ethyl] quinazolin-2-one
751.	Pyriftalid	CAS number: 135186-78-6 CAS name: 7-[(4,6-dimethoxy-2-pyrimidinyl)thio]-3-methyl-1(3H)-isobenzofuranone IUPAC name: (RS)-7-(4,6-dimethoxypyrimidin-2-yl thio) -3-methyl-2-benzofuran-1(3H)-one
752.	Pyrinuron ( <del>Vacor</del> )	CAS number: 53558-25-1 CAS name:N-(4-nitrophenyl)-N'-(3-pyridinylmethyl) urea IUPAC name:1-(4-nitrophenyl)-3-(3-pyridylmethyl) urea
753.	Pyriofenone	CAS number: 688046-61-9 CAS NAME: (5-chloro-2-methoxy-4-methyl-3-pyridinyl)(2,3,4-trimethoxy-6-methylphenyl)methanone IUPAC NAME: (5-chloro-2-methoxy-4-methyl-3-pyridyl)( 4,5,6-trimethoxy- <i>o</i> -tolyl)methanone
754.	Pyriproxyfen	CAS number: 95737-68-1 CAS name: 2[1methyl-2(4phenoxyphenoxy)ethoxy] pyridine IUPAC name: 4-phenoxyphenyl(RS)2(2pyridyloxy) propyl ether
755.	Pyrithiobac-sodium	CAS number: 123343-16-8 CAS name: sodium2-chloro6(4,6dimethoxypyrimidin -2-ylthio)benzoate

		IUPAC name: Sodium 2-chloro-6-(4,6-dimethoxy pyrimidin-2-ylthio) benzoate
756.	Pyroquilon	CAS number: 57369-32-1 CAS name: 1,2,5,6-tetrahydro-4H-pyrrolo[3,2,1-ij] quino lin-4-one IUPAC name: 1,2,5,6-tetrahydropyrrolo [3,2,1-ij] quinolin-4-one
757.	Pyroxasulfone	CAS number: 447399-55-5 CAS name: 3-[[[5-(difluoromethoxy)-1-methyl-3-(tri fluoromethyl)-1H-pyrazol-4-yl]methyl]sulfonyl]-4,5-di hydro-5,5-dimethylisoxazole IUPAC name: 5-(difluoromethoxy)-1-methyl-3-(tri fluoro methyl) pyrazol-4-yl methyl 4, 5-dihydro-5, 5-di methyl -1,2-oxazol-3-yl sulfone
758.	Pyroxsulam	CAS number: 422556-08-9 CAS name: N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyri midin-2-yl)2-methoxy-4-(trifluoromethyl)3-pyridinesulfon amide IUPAC name: N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a] pyrimidin-2-yl)-2-methoxy-4-(trifluoromethyl) pyridine-3 -sulfonamide
759.	<i>Pythium oligandrum</i>	-
760.	Quinalphos	CAS number: 13593-03-8 CAS name: O,O-diethyl O-2-quinoxaliny l phosphoro thio ate IUPAC name: O,O-diethyl O-quinoxalin-2-yl phosphoro thioate
761.	Quinclorac	CAS number: 84087-01-4 CAS name: 3,7-dichloro-8-quinolinecarboxylic acid IUPAC name: 3,7-dichloroquinoline-8-carboxylic acid
762.	Quinmerac	CAS number: 90717-03-6 CAS name: 7-chloro-3-methyl-8-quinolinecarboxylic acid IUPAC name: 7-chloro-3-methylquinoline-8-carboxylic acid
763.	Quinoxifen	CAs number:124495-18-7 CAS name: 5,7-dichloro-4-quinolyl -4-fluorophenyl ether IUPAC name: 5,7-dichloro-4-(4-fluorophenoxy)quinoline
764.	Quintozene	CAS number: 82-68-8 CAS name: 1,2,3,4,5-pentachloro-6-nitrobenzene IUPAC name: pentachloronitrobenzene
765.	Quizalofop	CAS number: 76578-12-6 CAS name: 2[4[(6chloro-2-quinoxalinyloxy]phenoxy] propanoic acid IUPAC name: (RS)-2-[4-(6-chloroquinoxalin-2-yloxy) phenoxy] propionic acid
766.	Quizalofop-P-tefuryl	CAS number: 94051-08-8 CAS name: (R)-2[4-[(6-chloro-2-quinoxalinyloxy] phenoxy]propanoic acid IUPAC name: (+)tetrahydrofurfuryl-(R)2[4(6-chloro quinoxalin -2-yloxy)-phenoxy]propionate
767.	Reduced azadirachtin(s)	CAS number: 11141-17-6 CAS name: 1H,7H-Naphtho(1,8-bc:4,4a-c')difuran-5,10a(8H)-dicarboxylic acid, 10-(acetyloxy)octahydro-3,5-dihydroxy-4-methyl-8-(((2E)-2-methyl-1-oxo-2-butenyl)oxy)-4-((1aR,2S,3aS,6aS,7S,7aS)-3a,6a,7,7a-tetrahydro-6a-hydroxy-7a-methyl-2,7-methanofuro(2,3-b)oxireno(e)oxepin-1a(2H)-yl)-, dimethyl ester, (2aR,3S,4S,4aR,5S,7aS,8S,10R,10aS,10bR)- IUPAC name:dimethyl (1S,4S,5R,6S,7S,8R,11S,12R,14S,15R)-12-acetyloxy-4,7-dihydroxy-6-[(1S,2S,6S,8S,9R,11S)-2-hydroxy-11-methyl-5,7,10-trioxatetracyclo[6.3.1.0 <sup>2,6</sup> .0 <sup>9,11</sup> ]dodec-3-en-9-yl]-6-methyl-14-[(E)-2-methylbut-2-enoyl]oxy-3,9-dioxatetracyclo[6.6.1.0 <sup>1,5</sup> .0 <sup>11,15</sup> ]pentadecane-4,11-dicarboxylate
768.	Renofluthrin	CAS number: 352271-52-4 CAS name: [2,3,5,6-tetrafluoro-4-(methoxymethyl)phenyl]methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate IUPAC name: 2,3,5,6-tetrafluoro-4-(methoxymethyl)benzyl (1RS,3RS;1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-

		dimethylcyclopropanecarboxylate or 2,3,5,6-tetrafluoro-4-(methoxymethyl)benzyl (1RS)-cis-trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate
769.	Resmethrin	CAS number: 10453-86-8 CAS name: [5-(phenylmethyl)-3-furanyl]methyl 2,2 -di methyl-3-(2-methyl-1-propen-1-yl) cyclopropane carboxy late IUPAC name: 5-benzyl-3-furylmenthyl (1RS, 3RS; 1RS, 3SR)-2,2-dimethyl-3-(2-methylprop-1-enyl) cyclopropanecarboxylate
770.	Rimsulfuron	CAS number: 122931-48-0 CAS name: N-[[[(4,6dimethoxy-2pyrimidinyl)amino] carbonyl]-3-(ethylsulfonyl)-2-pyridinesulfonamide IUPAC name: 1-(4,6-dimethoxypyrimidin-2-yl)-3-(3-ethylsulfonyl-2-pyridiylsulfonyl)urea
771.	Rotenone	CAS number: 83-79-4 CAS name: (2R,6aS,12aS)-1,2,12,12a-tetrahydro-8,9-di methoxy-2-(1-methylethenyl) [1]-benzopyrano [3,4-b] furo[2,3-h][1]benzopyran-6(6aH)-one IUPAC name: (2R,6aS,12aS)1,2,6,6a,12,12a-hexahydro-2-iso propenyl-8,9-dimethoxy chromeno[3,4-furo[2,3-h] chromen-6-one
772.	Ryanodine	CAS number: 8047-13-0 CAS name: (2S,3S,4R,4aS,5S,5aS,8S,9R,9aR,9bR)-2,3,4a,5a,9,9b-hexahydro-3-isopropyl-2a,5,8,-trimethyl perhydro-2,5-methobenzo[1,2]pentaleno[1,6bc]furan-4 -yl pyrrole-2-carboxylate. IUPAC name: (2S,3S,4R,4aS,5S,5aS,8S,9R,9aR,9bR)-2,3,4a,5a,9,9b- hexahydro-3-isopropyl-2a,5,8,-tri methylperhydro-2,5-metho benzo [1,2] pentaleno [1,6-bc]furan-4-yl pyrrole-2-carboxylate.
773.	S 421 ( <u>Octachlorodipropyl ether</u> )	CAS number: 127-90-2 CAS name: Bis(2,3,3,3-tetrachloropropyl) ether IUPAC name: Bis(2,3,3,3-tetrachloropropyl) ether
774.	Saflufenacil	CAS number: 372137-35-4 CAS name: 2-chloro-5-[3,6-dihydro-3-methyl-2,6-di oxo-4(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-[[methyl (1-methylethyl)amino]sulfonyl]benzamide IUPAC name: N'-(2-chloro-4-fluoro-5-[1,2,3,6-tetra hydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)pyrimidin-1-yl] benzoyl)-N-isopropyl-N-methylsulfamide
775.	Schradan	CAS number: 152-16-9 CAS name: Octamethyldiphosphoramidate IUPAC name: Octamethyl pyrophosphonic tetra-amide
776.	Scilliroside	CAS number: 507-60-8 CAS name: (3β,6β)-6-(acetyloxy)-3-(β-D-glucopyr anosyl oxy)-8,14-dihydroxybufa-4,20,22-trienolide IUPAC name: 3β-(β-D-glucopyranosyloxy)-17β-(2-oxo-2H-pyran-5-yl)-14β-androst-4-ene-6β,8,14-triol 6-acetate
777.	Sedaxane	CAS number: 874967-67-6 CAS name: N[2-[1,1'-bicyclopropyl]2-ylphenyl]3(di fluoro methyl)-1-methyl-1H-pyrazole-4-carboxamide IUPAC name: mixture of 2 cis-isomers 2'-[(1RS, 2RS)-1,1'-bicycloprop-2-yl]3(difluoromethyl)1-methyl pyrazole -4-carboxanilide and 2 trans-isomers 2'[(1RS, 2SR)-1,1'-bicycloprop-2-yl]3(difluoromethyl)-1-methyl pyrazole-4-carboxanilide
778.	<i>Serratia marcescens</i> GPS 5 (Bacteria)	-
779.	Sethoxydim	CAS number: 74051-80-2 CAS name: 2-[1-(ethoxyimino)butyl]-5-[2-(ethylthio) propyl]-3-hydroxy-2-cyclohexen-1-one IUPAC name: (5RS)2[(EZ)1(ethoxyimino)butyl]5[(2RS)-2-(ethylthio)propyl]-3-hydroxycyclohex-2-en-1-one

780.	Siduron	CAS number: 1982-49-6 CAS name: N-(2-methylcyclohexyl)-N'-phenylurea IUPAC name: 1-(2-methylcyclohexyl)-3-phenylurea
781.	Silafluofen	CAS number: 105024-66-6 CAS name: (4-ethoxyphenyl)[3(4-fluoro-3-phenoxy phenyl) propyl]dimethylsilane IUPAC name:(4ethoxyphenyl) [3(4fluoro-3phenoxyphen yl) -propyl] (dimethyl) silane
782.	Silthiofam	CAS number: 175217-20-6 CAS name:4,5-dimethyl-N-prop-2-enyl-2- trimethylsilylthiophene-3-carboxamide IUPAC Name: N-allyl-4,5-dimethyl-2-(trimethylsilyl)thiophene-3-carboxamide
783.	Simazine	CAS number: 122-34-9 CAS name: 6-chloro-N,N'-diethyl-1,3,5-triazine-2,4-di amine IUPAC name: 6-chlorp-N2,N4diethyl-1,3,5-triazine-2,4-di amine
784.	Simeconazole	CAS number: 149508-90-7 CAS name: $\alpha$ -(4-fluorophenyl)-a-[(trimethylsilyl)methyl]-1H-1,2,4-triazole-1-ethanol IUPAC name: [RS]-2-[4-fluorophenyl]-1-[1H-1,2,4-triazol-1-yl]-3-[trimethylsilyl]propan-2-ol
785.	Simetryn	CAS number: 1014-70-6 CAS name: N,N'-diethyl-6-(methylthio)-1,3,5-triazine-2,4-diamine IUPAC name: N2,N4-diethyl-6-methylthio-1,3,5-triazine-2,4-diamine.
786.	Sindone A	CAS number: - CAS name: Not available, IUPAC name: 1,1-dimethyl-4,6-di-isopropyl-indanyl ethyl ketone
787.	Sindone B	CAS number: 8066-92-0 CAS name: Sindone B IUPAC name: 1,1,4-trimethyl 4,6-di-isopropyl-5-indanyl ethyl ketone
788.	Sirmate	CAS number: 62046-37-1 CAS name: Benzenemethanol,2,3(or 3,4)-dichloro-, methylcarbamate IUPAC name: 3,4,2,3-dichlobenzyl N-methyl carba mate
789.	S-Metolachlor	CAS number: 87392-12-9 CAS name: (S)-2-chloro-N-(2-ethyl-6-methyl phenyl) -N-(2-methoxy-1-methylethyl)acetamide and (R)-2-chloro-N(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methyl ethyl) acetamide in the proportion 80-100% to 20-0% IUPAC name: A mixture of (a RS,1S)2chloro-6'ethyl-N-(2methoxy-1-methyl ethyl)aceto-o-toluidide and (a RS, 1R)-2-chloro-6'-ethyl-N(2-methoxy-1-methyl ethyl) aceto o-toluidide in the proportion 80-100% to 20-0 %
790.	Sodium cyanide	CAS number:143-33-9 CAS name: sodium cyanide (Na(CN)) IUPAC name: sodium cyanide
791.	Sodium fluoroacetate	CAS number:62-74-8 CAS name: sodium 2-fluoroacetate IUPAC name: sodium fluoroacetate
792.	Sodium hexafluorosilicate	CAS number:16893-85-9 CAS name: disodium hexafluorosilicate(2-) IUPAC name: disodium hexafluorosilicate
793.	Sodium-Aciflourfan	CAS number: 62476-59-9 CAS name: Acifluorfen, sodium salt IUPAC name: sodium 5-(2-chloro-a,a,a-trifluoro-p-tolyl oxy)-2-nitrobenzoate
794.	Sodium-P Nitrophenolate	CAS number: 824-78-2 CAS name: Sodium para-nitrophenolate IUPAC name: Sodium 4-nitrophenolate



795.	Solatenol	CAS number: 1072957-71-1 CAS name: N-[(1RS,4SR)e( Dichf oromethylidenel-L,2, 3,4-tetra hydro-1,4-methanonaphthalen-5-yl)-3-(difluoro methyl)1 methyl-1Hpyrazole-4-carbox amide IUPAC name: N-[(1RS,4SR)-9-(Dichloromethylidene)-1, 2,3,4-tetrahydro-1,4-methanonaphthalen-5-yl]3(difluoro methyl)-1-methyl-1H-pyrazole-4-carboxamide
796.	Spearmint ( <i>Mentha Spicata</i> ) Oil containing L-Carvon, Limonin and Pines	-
797.	Spinetoram	CAS number: 187166-40-1 CAS name: mixture of 50–90% (2R,3aR,5aR,5bS,9S, 13S,14R,16aS,16bR)2(6-deoxy-3-O-ethyl-2,4-di-O-methyl- $\alpha$ -L-mannopyranosyloxy)-13-[(2R,5S,6R)-5-(dimethyl amino)tetrahydro-6-methylpyran-2-yloxy]9-ethyl-2,3,3a, 4,5,5a,5b,6,9,10,11,12,13,14,16a,16b-hexadecahydro-14 -methyl-1H-as-indaceno[3,2-d] oxacyclo dodecine-7,15-dione and 50–10% (2S,3aR,5aS, 5bS, 9S, 13S,14R, 16aS, 16bS)-2-(6-deoxy-3-O-ethyl-2,4-di-O-methyl- $\alpha$ -L-manno pyranosyloxy)-13-[(2R,5S,6R)-5-(dimethylamino) tetra hydro-6-methylpyran-2-yloxy]9-ethyl-2, 3, 3a, 5a,5b,6,9, 10,11,12,13,14,16a,16b-tetra decahydro-4,14-dimethyl-1H-as-indaceno[3,2-d] oxac yclododecine-7,15-dione IUPAC name: (2R,3aR,5aR,5bS,9S,13S,14R,16aS,16bR) 2[(6-deoxy3-O-ethyl-2,4-di-O-methyl- $\alpha$ -L-mannopyranosyl)oxy]13[[2R,5S,6R)5(dimethylamino)tetrahydro-6-methyl-2H-pyran-2yl]oxy]9-ethyl2,3,3a,4,5,5a,5b,6,9,10,11, 12,13,14,16a,16b-hexadecahydro14-methyl-1H-as-indaceno[3,2-d]oxacyclododecin-7,15-dione mixture with (2S, 3aR,5aS,5bS,9S,13S,14R,16aS,16bS)2[(6deoxy-3O-ethyl-2,4di-O-methyl- $\alpha$ -L-mannopyranosyl)oxy]13[[2R,5S,6R) 5(dimethylamino)tetrahydro-6methyl-2H-pyran-2-yl]oxy] 9-ethyl-2,3,3a,5a,5b,6,9,10,11,12,13,14,16a,16b-tetrade cahydro-4,14-dimethyl-1H-as-indaceno [3,2-d]oxacyclo dodecin-7, 15-dione Major component 3'ethoxy 5,6-dihydro spino syn J-minor component 3'ethoxy spinosynL.
798.	Spinosad	CAS number: 168316-95-8 CAS name: [2R- [2R*,3aS*,5aR*,5bS*,9S*,13S*(2R*, 5S*,6R*),14R*,16aS*,16bR*]]2[(6-deoxy-2,3,4-tri-O-methyl-a-L-mannopyranosyl)oxy]13[[5(di methyl amino) tetrahydro-6-methyl-2H-pyran-2-yl] oxy]-9-ethyl-2,3,3a, 5a,5b,6,9,10,11,12,13,14,16a,16btetradecahydro-14-methyl-1H-as-indaceno (3,2-d) oxa cyclo dodecin-7, 15-dione(spinosyn A), mixture with[2S-[2R*,3aS*,5aR*, 5bR*,9R*,13R*(2S*,5R*,6S*),14S*,16aR*,16bR*]]-2[(6-deoxy-2,3,4tri-O-methyl-a-L-mannopyranosyl)oxy]-13[[5-(dimethylamino)tetrahydro-6-methyl-2H-pyran-2-yl] oxy] 9ethyl-2,3,3a, 5a, 5b,6, 9, 10, 11, 12, 13, 14, 16a, 16b-tetradecahydro-4,14-dimethyl-1H-as-indaceno(3,2-d) oxa cyclo dodecin-7,15-dione (spinosyn D) IUPAC name: A mixture of 2R, 3aR, 5aR, 5bS, 9S, 13S, 14R,16aS,16bR)-2(6-deoxy-2,3,4-tri-Omethyl-a-L-manno pyranosyloxy)-13-(4-dimethylamiuno-2,3,4,6-tetrade oxy-b-D-erythopyranosyloxy)9ethyl-2,3,3a,5a,5b,6,7,9,10, 11, 12,13,14,15,16a,16b-hexadecahydro-14-methyl-1H-8-oxa cyclododeca[b] as -indac ene -7,15-dione and (2S,3aR, 5aS,5bS,9S,13S,14R,16aS,16bS)2(6-deoxy-2,3,4O-meth yl-a-L-mannopyr anosyloxy)13(4dimethylamino-2,3,4,6 -tetra deoxy-b-D-erythopyranosyloxy)9-ethyl-2,3,3a,5a,5b, 6,7,9,10,11,12,13,14,15,16a,16b-hexadecahydro-4,14-di methyl -1H-8-oxacyclododeca[b]as-indacene-7,15dione in the proportion 50-95% to 50-5%

799.	Spirodiclofen	CAS number: 148477-71-8 CAS NAME: 3-(2,4-dichlorophenyl)-2-oxo-1-oxaspiro[4.5]dec-3-en-4-yl 2,2-dimethylbutanoate IUPAC NAME: 3-(2,4-dichlorophenyl)-2-oxo-1-oxaspiro[4.5]dec-3-en-4-yl 2,2-dimethylbutyrate
800.	Spiromesifen	CAS number: 283594-90-1 CAS name: 2-oxo-3-(2,4,6-trimethylphenyl)-1-oxa spiro [4.4]non-3-en-4-yl 3,3-dimethylbutanoate IUPAC name: 3-mesityl-2-oxo-1-oxaspiro(4,4)non-3-en-4-yl-3,3-dimethyl butanoate
801.	Spiropidion	CAS number: 1229023-00-0 CAS name: 3-(4-chloro-2,6-dimethylphenyl)-8-methoxy-1-methyl-2-oxo-1, 8- diazaspiro [4.5] dec-3-en-4-yl ethyl carbonate IUPAC name: 3-(4-chloro-2,6-dimethylphenyl)-8-methoxy-1-methyl-2-oxo-1, 8- diazaspiro [4.5] dec-3-en-4-yl ethyl carbonate
802.	Spirotetramat	CAS number: 203313-25-1 CAS name: Cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl carbonate IUPAC name: cis-4-(ethoxycarbonyloxy)-8-methoxy-3-(2,5-xylyl)-1-azaspiro[4.5]dec-3-en-2-one
803.	Squamocin	Seed extract of Plant ' <i>Annona squamosa Linn</i> ' (Custard apple)
804.	<i>Streptomyces griseoviridis</i>	-
805.	<i>Streptomyces lydicus</i>	-
806.	Streptomycin	CAS number: 57-92-1 CAS name: O-2deoxy-2(methylamino) $\alpha$ -L-glucopyranosyl -(1 $\rightarrow$ 2)O-5-deoxy-3-C-formyl- $\alpha$ -L-lyxofuranosyl-(1 $\rightarrow$ 4)-N, N'-bis(aminoiminomethyl)-D-streptamine IUPAC name: O-2deoxy-2methylamino- $\alpha$ -L-glucopyranosyl-(1 $\rightarrow$ 2)-O-5deoxy-3-C-formyl- $\alpha$ -L-lyxofuranosyl-(1 $\rightarrow$ 4) -N3, N3 diamidino -D-streptamine
807.	Strychnine	CAS number: 57-24-9 CAS name: strychnidin-10-one IUPAC name: strychnidin-10-one
808.	Sulcotrione	CAS number: 99105-77-8 CAS name: 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione IUPAC name: 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1, 3-cyclohexanedione
809.	Sulfentrazone	CAS number: 122836-35-5 CAS name: N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-di hydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl] phenyl]methanesulfonamide IUPAC name: 2',4'-dichloro-5'-(4-difluoromethyl-4, 5-di hydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl)methanesulfonamide
810.	Sulfometuron	CAS number: 74223-56-6 CAS name: 2-[[[(4,6-dimethyl-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]benzoic acid IUPAC name: 2-(4, 6-dimethylpyrimidin-2-yl)carbamoylsulfamoyl benzoic acid
811.	Sulfometuronmethyl	CASNo. 74222-97-2 CAS Name- Methyl 2-[[[(4,6-dimethyl-2-pyrimidinyl) amino]carbonyl]amino] sulfonyl] benzoate IUPAC name: methyl 2-[[[(4,6-dimethylpyrimidin-2-yl) carbamoyl] sulfamoyl] benzoate
812.	Sulfonite	CAS number: 29457-72-5 CAS name: Lithium perfluorooctane sulfonate IUPAC name: lithium perfluoro octane sulfonate
813.	Sulfosulfuron	CAS number: 141776-32-1 CAS name: N-[[[(4,6-dimethoxy-2-pyrimidinyl) amino]carbonyl]-2(ethylsulfonyl)imidazo[1,2-a]pyridine-3-sulfonamide

		IUPAC name: N-(4,6-dimethoxy 2-pyrimidyl)-2-ethyl sulfonylimidazo[1,2-a]pyridine-3 sulfonamide 1-(4,6-dimethoxy pyrimidin-2-yl)-3-(2-ethylsulfonyl imidazo[1,2-a] pyridin-3-yl)sulfonylurea
814.	Sulfoxaflor	CAS number: 946578-00-3 CAS name: N-[methyloxido[1-[6-(trifluoromethyl)-3-pyridinyl]ethyl]-λ4-sulfanylidene]cyanamide IUPAC name: [methyl(oxo){1-[6-(trifluoromethyl)-3-pyridinyl]ethyl}-λ6-sulfanylidene]cyanamide
815.	Sulfoxide	CAS number: 120-62-7 CAS name: 5-[2-(octylsulfinyl)propyl]-1,3-benzodioxole IUPAC name: (1R,2S)-2-(1,3-benzodioxol-5-yl)-1-methylethyl octyl sulfoxide
816.	Sulfur	CAS number: 7704-34-9 CAS name: sulfur IUPAC name: sulfur
817.	Sulfuryl Fluoride	CAS number: 2699-79-8 CAS name: sulfuryl fluoride IUPAC name: sulfuryl fluoride
818.	Sulprofos	CAS number: 35400-43-2 CAS name: O-ethyl O-[4-(methylthio)phenyl] S-propyl phosphorodithioate IUPAC name: O-ethyl O-4-(methylthio)phenyl S-propyl phosphorodithioate
819.	Swep	CAS number: 1918-18-9 CAS name: methyl N-(3,4-dichlorophenyl) carbamate IUPAC name: methyl 3,4 dichlorocarbanilate
820.	Fenaminstrobin	CAS number: 366815-39-6 CAS name: (αE)2-[[[(E)[(2E)-3-(2,6-dichlorophenyl)-1-methyl-2-propen-1-ylidene]amino]oxy]methyl] α-(methoxyimino)-N-methylbenzeneacetamide IUPAC name: (2E)-2-[[[(E)[(2E)-3-(2,6-dichlorophenyl)-1-methylprop-2-enylidene]amino]oxy]methyl]phenyl-2-(methoxyimino)-N-methylacetamide
821.	Flufenzine	CAS number: 162320-67-4 CAS name: 3-(2-chlorophenyl)6(2,6-difluorophenyl)-1,2,4,5-tetrazine IUPAC name: 3-(2-chlorophenyl)6(2,6-difluorophenyl)-1,2,4,5-tetrazine.
822.	Tar oils (Tar Acid)	CAS number: 8002-29-7 CAS name: Not available IUPAC name: Tar oils consist mainly of aromatic hydrocarbons, but contain components the 'phenols' or 'tar acids' and nitrogenous bases 'tar bases'
823.	Tau-fluvalinate	CAS number: 102851-06-9 CAS name: cyano(3-phenoxyphenyl)methyl N-[2-chloro-4-(trifluoromethyl)phenyl]-D-valinate IUPAC name: (RS)-α-cyano-3-phenoxybenzyl N-(2-chloro-4-(trifluoromethyl)phenyl)-D-valinate
824.	Tavron G	CAS number: 20057-31-2 CAS name: Tavron IUPAC name: 4,4,4-trichlorobut-1-en-2-ylbenzene
825.	Trichloroacetic acid (TCA)	CAS number: 76-03-9 CAS name: trichloroacetic acid IUPAC name: 2,2,2-trichloroacetic acid
826.	TCMTB	CAS number: 21564-17-0 CAS name: (2-benzothiazolylthio)methyl thio cyanate IUPAC name: 2-(thiocyanomethylthio)benzothiazole
827.	Tetradecatrienyl acetate (TDTA)	CAS number: 163041-94-9 CAS name: (3E,8Z,11Z)-3,8,11-Tetradecatrien-1-ol, acetate

		IUPAC name:3,8,11-tetradecatrien-1-ylacetate (3E,8Z,11Z)-3,8,11-tetradecatrien-1-ylacetate
828.	Tebuconazole	CAS number: 107534-96-3 CAS name: (±)-a-[2-(4-chlorophenyl)ethyl]-a-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol IUPAC name: (RS)-1-p-chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)-pentan-3-ol
829.	Tebufenozide	CAS number: 112410-23-8 CAS name: 1-(1,1-dimethylethyl)-2(4-ethylbenzoyl) hydrazide IUPAC name: N-tert-butyl-N'-(4-ethylbezoyl)-3,5-di methyl benzohydrazide
830.	Tebufenpyrad	CAS number: 119168-77-3 CAS name: Not available, IUPAC name: N-(4-tert-butylbenzyl)-4-chloro-3-ethyl-1-methylpyrazole-5-carboxamide
831.	Tebuthiuron	CAS number: 34014-18-1 CAS name: N-[5-(1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl]-N,N'-dimethylurea IUPAC name: 1-(5-tert-butyl-1,3,4-thiadiazol-2-yl)-1,3-dimethylurea
832.	Tecloftalam	CAS Number: 76280-91-6 CAS name:2,3,4,5-tetrachloro-6-[[2,3 dichlorophenyl)amino]carbonyl] benzoic acid IUPAC name: 2,3,4,5-tetrachloro-6-[(2,3 dichlorophenyl)carbamoyl]benzoic acid
833.	Tecnazene	CAS number: 117-18-0 CAS name: 1,2,4,5-tetrachloro-3-nitrobenzene IUPAC name: 1,2,4,5-tetrachloro-3-nitrobenzene
834.	Teflubenzuron	CAS number: 83121-18-0 CAS name: N-[[3,5-dichloro-2,4-difluorophenyl) amino] carbonyl]-2,6-difluorobenzamide IUPAC name: 1-(3,5-dichloro-2,4-difluorophenyl)-3-(2,6-difluorobenzyl) urea
835.	Tefluthrin	CAS number: 79538-32-2 CAS NAME: (2,3,5,6-tetrafluoro-4-methylphenyl)methyl (1R,3R)-rel-3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethylcyclopropanecarboxylate IUPAC NAME: 2,3,5,6-tetrafluoro-4-methylbenzyl (1RS,3RS)-3-[(Z)-2-chloro-3,3,3-trifluoroprop-1-enyl]-2,2-dimethylcyclopropanecarboxylate or 2,3,5,6-tetrafluoro-4-methylbenzyl (1RS)-cis-3-[(Z)-2-chloro-3,3,3-trifluoroprop-1-enyl]-2,2-dimethylcyclopropanecarboxylate
836.	Tefuryltrione	CAS number: 473278-76-1 CAS name: 2[2-chloro-4-(methylsulfonyl)3[[tetrahydro-2-furanyl)methoxy]methyl]benzoyl]1,3-cyclohexane dione IUPAC name: 2-{2-chloro-4-mesyl-3-[(RS)tetrahydro 2-furylmethoxymethyl]benzoyl}cyclohexane-1,3-dione
837.	Tembotrione	CAS number: 335104-84-2 CAS name: 2-[2-chloro-4-(methylsulfonyl)-3-[(2,2,2-trifluoroethoxy)methyl]benzoyl]-1,3-cyclohexanedione IUPAC name: 2-{2-chloro-4-mesyl-3-[(2,2,2-trifluoro ethoxy)methyl]benzoyl}cyclohexane-1,3-dione
838.	Temephos	CAS number: 3383-96-8 CAS name: O,O'-(thiodi-4,1-phenylene) bis(O,O-dimethyl phosphorothioate) IUPAC name: O,O',O',O'-tetramethylO,O'-thiodi-p-phenyl ene (phosphorothioate)

839.	TEPP (HETP) Tetraethyl Pyrophosphate	CAS number: 107-49-3 CAS name: tetraethyl diphosphate IUPAC name: tetraethyl pyrophosphate
840.	Tepraloxymim	CAS number: 149979-41-9 CAS name: (E)-2-[1-[[[3-chloro-2-propenyl]oxy] imino]propyl]-3-hydroxy-5-(tetrahydro-2H-pyran-4-yl) -2-cyclohexen-1-one IUPAC name: (E)-2-[1-[[[2E]-3chloroallyl oxy imino]propyl]-3-hydroxy-5-perhydro pyran-4-yl]cyclohex-2-en-1-one
841.	Terallethrin	CAS number: 15589-31-8 CAS name: (±)2-methyl-4-oxo-3(2-propenyl)-2-cyclopenten-1-yl IUPAC name: (RS)-3allyl-2methyl-4-oxocyclopent-2-enyl 2,2,3,3-tetramethylcyclo propane carboxylate
842.	Terbacil	CAS number: 5902-51-2 CAS name: 5-chloro-3-(1,1-dimethylethyl)-6-methyl-2,4(1H,3H)-pyrimidinedione IUPAC name: 3-tert-butyl-5-chloro-6-methyluracil
843.	Terbufos	CAS number: 13071-79-9 CAS name: S-[[[(1,1-dimethylethyl)thio]methyl] O,O -diethyl phosphorodithioate IUPAC name: S-tert-butylthiomethyl O,O-diethyl phosphorodithioate
844.	Terbutylazine	CAS number: 5915-41-3 CAS name: 6-chloro-N-(1,1-dimethylethyl)-N'-ethyl-1,3,5-triazine-2,4-diamine IUPAC name: N2-tert-butyl-6-chloro-N4-ethyl-1,3,5-triazine-2,4-diamine
845.	Terbutryn	CAS number: 886-50-0 CAS name: N-(1,1-dimethylethyl)-N'-ethyl-6-(methyl thio)-1,3,5-triazine-2,4-diamine IUPAC name: N2-tert-butyl-N4-ethyl-6-methylthio-1,3,5-triazine-2,4-diamine
846.	Tetflupyrolimet	CAS Number: 2053901-33-8 CAS name: (3S,4S)-N-(2-fluorophenyl)-1-methyl-2-oxo-4-[3-(trifluoromethyl)phenyl]-3-pyrrolidinecarboxamide IUPAC name: (3S,4S)-2-fluoro-1-methyl-2-oxo-4-(α,α, α- trifluoro-p-tolyl)pyrrolidine-3-carboxanilide
847.	Tetrachlorantraniliprole	CAS number: 1104384-14-6 CAS name: 3-bromo-N-[2,4-dichloro-6-[(methylamino)carbonyl]phenyl]-1-(3,5-dichloro-2-pyridinyl)-1H-pyrazole-5-carboxamide IUPAC Name: 3-bromo-2',4'-dichloro-1-(3,5-dichloro-2-pyridyl)-6'-(methylcarbamoyl)-1H-pyrazole-5-carboxanilide
848.	Tetrachloroisophthalonitrile	CAS number: 1897-45-6 CAS name: Tetrachloroisophthalonitrile IUPAC name: 1,2,4-trichloro-3,5-dinitrobenzene.
849.	Tetrachloro-p-benzoquinone	CAS number: 118-75-2 CAS name: 2,3,5,6-tetrachloro-2,5-cyclohexadiene-1,4-dione IUPAC name: tetra chloro-p-benzoquinone
850.	Tetrachlorvinphos	CAS number: 22248-79-9 CAS name: (1Z)2-chloro-1(2,4,5-trichlorophenyl) ethenyl dimethyl phosphate IUPAC name: (Z)-2-chloro-1-(2,4,5-trichloro phenyl) vinyl dimethyl phosphate
851.	Tetraconazole	CAS number: 112281-77-3 CAS name: (±)-1-[2(2,4-dichlorophenyl)-3-(1,1,2,2-tetrafluoroethoxy)propyl]-1H-1,2,4-triazole IUPAC name: (RS)-2(2,4-dichlorophenyl)-3(1H,1,2,4-triazole-1-yl)propyl 1,1,2,2-tetrafluoroethyl ether

852.	Tetracycline	CAS number: 60-54-8 CAS name: Tetracycline IUPAC name: 4-(dimethyl amino) 1,4,4a,5, 5a, 6, 11, 12 a- octa hydro-3,6,10,12,12a-penta hydroxy -6-methyl-1, 11-dioxo-2-naphthacenicarboxamide
853.	Tetradecadienyl acetate	CASNo.163041-87-0 CASName-3E,8ZTetradecadienylacetate IUPAC name: [(3E, 8Z)-tetradeca-3,8-dienyl] acetate
854.	Tetradifon	CAS number:116-29-0 CAS name: 1,2,4-trichloro-5-[(4-chlorophenyl) sulfo nyl] benzene IUPAC name: 4-chlorophenyl 2,4,5-trichlorophenylsul fone
855.	Tetramethrin	CAS number: 7696-12-0 CAS name: (1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-iso indol-2-yl)methyl 2,2-dimethyl-3-(2-methyl-1-pro pen-1-yl)cyclopropanecarboxylate IUPAC name: cyclohex-1-ene-1,2-dicarboximidomethyl (1RS,3RS;1RS,3SR)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate
856.	Tetraniliprole	CAS number: 1229654-66-3 CAS NAME: 1-(3-chloro-2-pyridyl)-N-[4-cyano-2-methyl-6-[(methylamino) carbonyl]phenyl]-3-[[5-(trifluoromethyl)-2H-tetrazol-2-yl]methyl]-1H-pyrazole-5-carboxamide IUPAC NAME: 1-(3-chloro-2-pyridyl)-4'-cyano-2'-methyl-6'-methylcarbamoyl-3-[[5-(trifluoromethyl)-2H-tetrazol-2-yl]methyl]pyrazole-5-carboxanilide
857.	Thallium sulphate	CAS number: 7446-18-6 CAS name: sulfuric acid dithallium(1+) salt IUPAC name: thallium sulphate
858.	Theta- Cypermethrin	CAS number: 71697-59-1 CAS name: (R)-cyano(3-phenoxyphenyl)methyl (1S,3R)-rel-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropane carboxylate IUPAC name: 1:1 mixture of the two enantiomers (R) $\alpha$ -cyano-3-phenoxybenzyl (1S,3R)3(2,2-dichlorovinyl) 2,2-dimethylcyclopropanecarboxylate and (S)- $\alpha$ -cyano-3-phenoxybenzyl(1R,3S)-3-(2,2-dichlorovinyl)-2,2-dimethyl cyclopropanecarboxylate
859.	Thiabendazole	CAS number: 148-79-8 CAS name: 2-(4-thiazolyl)-1H-benzimidazole IUPAC name: 2-(1,3-thiazol-4-yl)benzimidazole
860.	Thiacloprid	CAS number: 111988-49-9 CAS name: (Z)-[3-[(6-chloro-3-pyridinyl)methyl]-2-thiazolidinylidene]cyanamide IUPAC name: (Z)-3-(6-chloro-3-pyridylmethyl)-1,3 -thiazolidin-2-ylidene cyanamide
861.	Thiadiazinthion	CAS number: 3655-88-7 CAS name: 5-methyl-6-thioxo-4h,6h-1,3,5-thiadiazine acetic acid IUPAC name: Tetra hydro-5-methyl-6-thioxo-2H-1,3,5-thia diazen -3yl acetic acid
862.	Thiamethoxam	CAS number: 153719-23-4 CAS name: 3-[(2-chloro-5-thiazolyl)methyl] tetra hydro-5-methyl-N-nitro-4H-1,3,5-oxadiazin-4-imine IUPAC name: 3(2-chlorothiazol-5-ylmethyl)5methyl -1,3,5 oxadiazinan-4-ylidene(nitro)amine
863.	Thiazopyr	CAS number: 117718-60-2 CAS name: 2(difluoromethyl)5(4,5-dihydro-2 thia zolyl)-4(2methylpropyl)-6(trifluoromethyl)-3pyridine carboxylate IUPAC name: methyl 2-difluoromethyl-5-(4,5 di hidro-1, 3-thiazol-2-yl) -4-isobutyl-6-trifluoro methyl nicotinate
864.	Thidiazuron	CAS number: 51707-55-2 CAS name: N-phenyl-N'-1,2,3-thiadiazol-5-ylurea IUPAC name: 1-phenyl-3-(1,2,3-thiadiazol-5-yl)urea

865.	Thiencarbazone-methyl	CAS number: 317815-83-1 CAS name: 4-[[[(4,5-dihydro-3-methoxy-4-methyl-5-oxo-1H-1,2,4-triazol-1-yl)carbonyl]amino]sulfonyl]-5-methyl-3-thiophenecarboxylic acid IUPAC name: 4-[(4,5-dihydro-3-methoxy-4-methyl-5-oxo-1H-1,2,4-triazol-1-yl)carbonylsulfamoyl]-5-methylthiophene-3-carboxylic acid
866.	Thifensulfuron methyl	CAS number: 79277-27-3 CAS name: 3[[[(4-methoxy-6-methyl-1,3,5-triazin-2yl)amino]carbonyl]amino]sulfonyl]-2-thiophenecarboxylic acid IUPAC name: Methyl-3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)carbamoyl sulfamoylthiophene-2-carboxylic acid
867.	Thifluzamide	CAS number: 130000-40-7 CAS name: N-[2,6-dibromo-4-(trifluoromethoxy)phenyl]-2-methyl-4-(trifluoromethyl)-5-thiazolecarboxamide IUPAC name: 2',6'-dibromo-2-methyl-4'-trifluoromethoxy-4'-trifluoromethyl-1,3-thiazole-5-carboxanilide
868.	Thiobencarb	CAS number: 28249-77-6 CAS name: S-[(4-chlorophenyl)methyl] N,N-diethyl carbamothioate IUPAC name: S-4-chlorobenzyl diethyl thiocarbamate
869.	Thiocyclam hydrogen oxalate	CAS number: 31895-22-4 CAS name: Thiocyclam hydrogen oxalate IUPAC name: N,N-dimethyl-1,2,3-trithian-5ylamine hydrogenoxalate
870.	Thiodicarb	CAS number: 59669-26-0 CAS name: N,N'-(thiobis[(methylimino)carbonyloxy]) bis(ethanimidothioate) IUPAC name: 3,7,9,13-tetramethyl-5,11-dioxo-2,8,14-trithia-4,7,9,12-tetra-azapentadeca-3,12-diene-6,10-dione
871.	Thiometon	CAS number: 640-15-3 CAS name: S-[2-(ethylthio)ethyl] O,O-dimethyl phosphorodithioate IUPAC name: S-2-ethyl thioethyl-O,O-dimethyl phosphorodithioate
872.	Thionazin	CAS number: 297-97-2 CAS name: O,O-diethyl O-2-pyrazinyl phosphorothioate IUPAC name: O,O-diethyl O-pyrazin-2-yl-phosphorothioate
873.	Thiophanate-methyl	CAS number: 23564-05-8 CAS name: dimethyl N,N'-[1,2-phenylenebis(imino carbonothioyl)]bis[carbamate] IUPAC name: dimethyl 4,4'-(1,2-phenylene)bis(3-thioallophanate)
874.	Thiourea	CAS number: 62-56-6 CAS name: thiourea IUPAC name: Thiourea
875.	Thiram	CAS number: 137-26-8 CAS name: tetramethylthioperoxy dicarbonic diamide ([[(CH <sub>3</sub> ) <sub>2</sub> N]C(S)] <sub>2</sub> S <sub>2</sub> ) IUPAC name: bis(dimethyl thiocarbamoyl)disulphide
876.	Tiadinil	CAS number: 223580-51-6 CAS NAME: N-(3-chloro-4-methylphenyl)-4-methyl-1,2,3-thiadiazole-5-carboxamide IUPAC NAME: 3'-chloro-4,4'-dimethyl-1,2,3-thiadiazole-5-carboxanilide
877.	Tolclofos methyl	CAS number: 57018-04-9 CAS name: O-(2,6-dichloro-4-methylphenyl)O,O-dimethyl phosphorothioate IUPAC name: O-2,6-dichloro-p-tolyl O,O-dimethyl phosphorothioate
878.	Tolfenpyrad	CAS number: 129558-76-5 CAS name: 4-chloro-3-ethyl-1-methyl-N-[[4-(4-methylphenoxy)phenyl]methyl]-1H-pyrazole-5-carboxamide IUPAC name: 4-chloro-3-ethyl-1-methyl-N[4-(p-tolyloxy)benzyl]pyrazole-5-carboxamide

879.	Tolpyralate	CAS number: 1101132-67-5 CAS name-1-[[2-ethyl-4-[3-(2-methoxyethoxy)-2-methyl-4-methylsulfonyl]benzoyl]-1-H-pyrazol-5-yl]oxy]ethyl methyl carbonate IUPAC name:(RS)-1-{1-ethyl-4-[4-mesy]3-(2-methoxyethoxy)-ortho-toluoyl]pyrazol-5-yloxy}ethyl methyl carbonate
880.	Tolyfluamid	CAS number: 731-27-1 CAS name: 1,1-dichloro-N[(dimethylamino)sulfonyl]-1-fluoro-N-(4-methylphenyl)methanesulfenamide IUPAC name: N-dichlorofluoromethylthio-N',N'-di methyl-N-p-tolyl sulfamide
881.	Tolyl mercury acetate	CAS number:1300-78-3 CAS name: (acetato-κO)(methylphenyl)mercury IUPAC name: tolyl mercury acetate
882.	Topramezone	CAS number: 210631-68-8 CAS name: [3(4,5dihydro-3-isoxazolyl) 2methyl-4 (methylsulfonyl) phenyl](5-hydroxy-1-methyl-1H-pyrazol-4-yl) methanone IUPAC name: 3(4,5-dihydro-isoxazol-3-yl)4-methane sulfonyl-2-methylphenyl)-(5-hydroxy-1-methyl-1H-pyrazol-4-yl)methanone
883.	Tralkoxydim	CAS number: 87820-88-0 CAS name: 2-[1-(ethoxyimino)propyl]-3-hydroxy-5-(2,4,6-trimethylphenyl)-2-cyclohexen-1-one IUPAC name: 2-[1(ethoxyimino) propyl]-3-hydroxy -5-mesityl cyclohex-2-enone
884.	Tranid	CAS number: 15271-41-7 CAS name: Bicyclo[2.2.1]heptane-2-carbonitrile, 5-chloro-6-[[[(methylamino)carbonyl]oxy]imino]-, (1R,2S,4S,5S)-rel- exo-3-Chloro-endo-6-cyano-2-norbornanone O-(methylcarbamoyl)oxime exo-5-Chloro-6-oxo-endo-2-norbornanecarbonitrile O-(methylcarbamoyl)oxime IUPAC name: [(Z)-[(1R,3S,4S,6S)-3-chloro-6-cyano-2-bicyclo[2.2.1]heptanylidene] amino] N-methylcarbamate
885.	Transfluthrin	CAS number: 118712-89-3 CAS name: (1R-trans)(2,3,5,6-tetrafluorophenyl) methyl 3(2,2-dichloroethenyl)2,2dimethylcyclopropane carboxy late IUPAC name: 2,3,5,6-tetrafluorobenzyl (1R, 3S)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxy late
886.	Triacantanol	CAS number: 593-50-0 CAS name: 1-Triacantanol IUPAC name: Triacantan-1-ol
887.	Triadimefon	CAS number: 43121-43-3 CAS name: 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1,2, 4-triazol-1-yl)-2-butanone IUPAC name: 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)butan-2-one
888.	Triadimenol	CAS number: 55219-65-3 CAS name: B-(4-chlorophenoxy)-B-(1,1-dimethyl ethyl)-1H-1,2,4-triazole-1-ethanol IUPAC name: (1RS,2RS;1RS,2SR)1(4-chlorophenoxy)3, 3-di methyl-1-(1H-1,2,4-triazol-1-yl) butan-2-ol
889.	Triafamone	CAS number: 874195-61-6 CAS name: N-[2[(4,6-dimethoxy-1,3,5-triazin-2-yl) carbonyl]6fluorophenyl]1,1-difluoro-N-methylmethane sulfonamide IUPAC name: 2'-[(4,6-dimethoxy-1,3,5-triazin-2-yl) carbonyl]1,1,6'-trifluoro-N-methyl methane sulfonani -lide
890.	Triallate	CAS number: 2303-17-5 CAS name: S-(2,3,3-trichloro-2-propen-1-yl) N,N-bis(1-methylethyl)carbamothioate IUPAC name: S-2,3,3-trichloroallyl di-isopropyl (thio carbamate)



891.	Triasulfuron	CAS number: 82097-50-5 CAS name: 2-(2-chloroethoxy)-N-[[[4-methoxy-6-methyl-1,3,5-triazin-2-yl]amino]carbonyl] benzene sulfonamide IUPAC name: 1-[2-(2-chloroethoxy)phenylsulphoyl] -3-(4-methoxy-6-methyl-1,3,5- triazin-2-yl) urea
892.	Triazbutil	CAS number: 16227-10-4 CAS name: 4-butyl-4H-1,2,4-triazole IUPAC name: 4-butyl-4H-1, 2,4-triazole
893.	Triazophos	CAS number: 24017-47-8 CAS name: O,O-diethyl O(1-phenyl-1H-1,2,4-triazol-3-yl) phosphorothioate IUPAC name: O,O-diethyl O-1-phenyl-1H-1,2,4-triazol-3-yl phos phorothioate
894.	Tri-basic copper sulphate	CAS number: 1344-73-6 CAS name: Not available, IUPAC name: Copper (II) hydroxide sulphate
895.	Tribenuron-methyl	CAS number: 101200-48-0 CAS name: 2-[[[[(4methoxy-6-methyl-1,3,5-triazin-2-yl)methylamino]carbonyl]amino]sulfonyl]benzoate IUPAC name: methyl 2-[(4-methoxy-6-methyl-1, 3,5triazin-2yl)(methyl) carbamoylsulfamoyl] benzoate
896.	Tributyl phosphorotrithioite	CAS number: 150-50-5 CAS name: Tributyl phosphorotrithioite IUPAC name: tris(butylsulfanyl)phosphane
897.	Trichlorfon	CAS number:52-68-6 CAS name: dimethyl(P)(2,2,2-trichloro-1-hydroxy ethyl) phosphonate IUPAC name: 2,2,2-trichloro-1-dimethoxyphosphorylethanol
898.	<i>Trichoderma Species</i>	Trichoderma spp.
899.	Triclopyr	CAS number: 55335-06-3 CAS name: 2-[(3,5,6-trichloro-2-pyridyl)oxy]acetic acid IUPAC name: 3,5,6-trichloro-2-pyridyloxyacetic acid
900.	Tricyclazole	CAS number: 41814-78-2 CAS name: 5-methyl-1,2,4-triazolo[3,4-b]benzothia zole IUPAC name: 5-methyl-1,2,4-triazolo[3,4-b] [1,3] benzo thiazole
901.	Tridemorph	CAS number: 81412-43-3 CAS name: mixed C11-14-alkyl-2,6-dimethylmorpholines IUPAC name: 4-alkyl-2,6-dimethyl morpholine
902.	Tridiphane	CAS number: 58138-08-2 CAS name: (±)-2-(3,5-dichlorophenyl)-2-(2,2,2-tri chloro ethyl)oxirane IUPAC name: (RS)2(3,5-dichlorophenyl)2(2,2,2-tri chloro ethyl) oxirane
903.	Trifloxystrobin	CAS number: 141517-21-7 CAS name: (E,E)- α -(methoxyimino)-2-[[[1-[3-(trifluoro methyl) phenyl] ethylidene] amino] oxy] methyl] benzeneacetate IUPAC name: (E)-methoxyimino-{(E)-a-[1-(a,a,a-tri fluoro-m-tolyl) ethylidene amino]oxy}-o-tolyl} acetate Methyl(E) methoxyimino-{(E)-α{1- (α, α, α,-tri fluoro-m-tolyl) ethyl ideneamine oxy }-o-tolyl} ace tate
904.	Trifloxysulfuron-sodium	CAS number: 199119-58-9 CAS name: sodium(4,6-dimethoxypyrimidin-2-yl)({[3-(2, 2,2-trifluoroethoxy)pyridin-2-yl]sulfonyl} carbamoyl)aza nide IUPAC name: sodium(4,6-dimethoxypyrimidin-2yl)({[3 (2,2,2-trifluoroethoxy)pyridin-2yl]sulfonyl} carbamoyl)aza nide
905.	Trifludimoxazin	CAS number: 1258836-72-4 CAS NAME: dihydro-1,5-dimethyl-6-thioxo-3-[2,2,7-trifluoro-3,4-dihydro-3-oxo-4-(2-propyn-1-yl)-2H-1,4-benzoxazin-6-yl]-1,3,5-triazine-2,4(1H,3H)-dione IUPAC NAME: 1,5-dimethyl-6-thioxo-3-(2,2,7-trifluoro-3,4-dihydro-3-oxo-4-prop-2-ynyl-2H-1,4-benzoxazin-6-yl)-1,3,5-triazinane-2,4-dione
906.	Triflumezopyrim	CAS number: 1263133-33-0

		CAS name: 2,4-dioxo-1-(5-pyrimidinylmethyl)-3-[3(tri fluoromethyl) phenyl]-2H-pyrido[1,2-a]pyrimidinium inner salt IUPAC name: 3,4-dihydro-2,4-dioxo-1(pyrimidin-5-yl methyl)-3-( $\alpha,\alpha,\alpha$ -trifluoro-m-tolyl)-2H-pyrido[1,2-a]pyri midin-1-ium-3-ide
907.	Triflumizole	CAS number: 99387-89-0 CAS name: (E)-1-[1-[[4-chloro-2-(trifluoromethyl) phenyl] imino]-2-propoxyethyl]-1H-imidazole IUPAC name: (E)-4-chloro- $\alpha,\alpha,\alpha$ -trifluoro-N-(1-imida zol-1-yl-2-propoxyethylidene)-o-toluidine
908.	Triflumuron	CAS number: 64628-44-0 CAS name: 2chloro-N[[[4(trifluoromethoxy) phenyl]amino] carbonyl]benzamide IUPAC name: 1-(2-chlorobenzoyl)-3-(4-trifluoro meth oxyphenyl) urea
909.	Trifluralin	CAS number: 1582-09-8 CAS name: 2,6-dinitro-N,N-dipropyl-4-(trifluoro methyl) benzenamine IUPAC name: $\alpha,\alpha,\alpha$ -trifluoro-2,6-dinitro-N,N-dipro pyl-p-toluidine
910.	Triflusulfuron methyl	CASNo.126535-15-7 CAS name- methyl 2-[[4-(dimethylamino)-6-(2,2,2-trifluoroethoxy)- 1,3,5-triazin-2-yl]carbamoysulfamoyl]-3-methylbenzoate IUPAC name: methyl 2-({[4-(dimethylamino)-6-(2,2,2- trifluoroethoxy)- 1,3,5-triazin-2-yl]carbamoysulfamoyl}-m-toluate
911.	Triforine	CAS number: 26644-46-2 CAS name: N,N'-[1,4-piperazinediylbis(2,2,2-tri chloro ethylidene)]bis[formamide] IUPAC name: 1,1'-piperazine-1,4-diyl di-[N-(2,2,2-tri chloroethyl) formamide]
912.	Trinexapac-Ethyl	CAS number: 95266-40-3 CAS name: 4-(cyclopropylhydroxymethylene)-3,5-di oxocyclohexanecarboxylate IUPAC name: ethyl 4-cyclopropyl(hydroxy)methylene-3, 5-dioxocyclohexanecarboxylate
913.	Triorthocresyl phosphate	CAS number:78-30-8 CAS name: Tri-o-cresyl phosphate IUPAC name: triortho cresyl phosphate
914.	<i>Tripteridium of wilferdii</i> Hook GTW - Plant extract	CAS number, CAS name, IUPAC name: Not applicable Glycosides having Triptolide, Triptiolide and Tripterolide
915.	Triticconazole	CAS number: 131983-72-7 CAS name: 5-[(4-chlorophenyl)methylene]-2,2-di methyl-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol IUPAC name: (+)-(E)-5(4-chlorobenzylidene)-2,2-di methyl-1(1H)- 1,2,4-triazol-1-ylmethyl)cyclopentanol
916.	Tunic	CAS number: 20354-26-1 CAS name: 1,2,4-Oxadiazolidine-3,5-dione,2-(3,4-di chlorophenyl)-4-methyl IUPAC name: 2-(3,4-dichlorophenyl)-4-methyl-1, 2,4-oxadiazolidine-3,5-dione
917.	Uniconazole	CAS number: 83657-22-1 CAS name: (E)-( $\pm$ )-b-[(4-chlorophenyl)methylene]-a-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol IUPAC name: (E)(RS)-1-(4-chlorophenyl)-4,4-demethyl -2-(1H-1,2,4-triazol-1-yl) pent-1-en-3-ol
918.	Uniconazole-P	CAS number: 83657-17-4 CAS name: (E)-(S)-1-(4-chlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)pent-1-en-3-ol IUPAC name: (E)-(S)-1-(4-chlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)pent-1-en-3-ol
919.	Validamycin	CAS number: 37248-47-8

		CAS name: 1,5,6-trideoxy-4-O- $\beta$ -D-glucopyranosyl-5-(hydroxymethyl)-1-[[[(1S,4R,5S,6S)-4,5,6-trihydroxy-3-(hydroxymethyl)-2-cyclohexen-1-yl]amino]D-chiroinositol IUPAC name: 1L-(1,3,4/2,6)-2,3-dihydroxy-6-hydroxy methyl-4[(1S,4R,5S,6S)4,5,6-trihydroxy-3-hydroxymethyl cyclohex-2-enylamino] cyclohexyl $\beta$ -D-glucopyranoside
920.	Valifenalate (Modified vide Notification No. G.S.R. 908(E) dated 29th Dec., 2011)	CAS number: 283159-90-0 CAS name: methyl N-[(1-methylethoxy)carbonyl]-L-valyl-3-(4-chlorophenyl)- $\beta$ -alaninate IUPAC name: methyl N-(isopropoxycarbonyl)-L-valyl-(3RS)-3-(4-chlorophenyl)- $\beta$ -alaninate
921.	Vamidotion	CAS number: 2275-23-2 CAS name: O,O-dimethyl S[[1-methyl-2(methyl amino) -2-oxoethyl]thio]ethyl] phosphoro thioate IUPAC name: O,O-dimethyl-S-2-(1-methylcarbamoyl ethylthio) ethyl phosphorothioate
922.	VAM-Vesicular arvescular mycorrhizal (Fungus)	-
923.	Verticilium chlamydosporium	-
924.	Verticillium lecanii	-
925.	Vinclozolin	CAS number: 50471-44-8 CAS name: 3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione IUPAC name: (RS)-3-(3,5-dichlorophenyl)-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione
926.	Vitamin D3 (Cholecalciferol)	CAS number: 67-97-0 CAS name: (1S,3Z)-3-[(2E)-2-[(1R,3aS,7aR)-1-[(1R)-1,5-dimethylhexyl]octahydro-7a-methyl-4H-inden-4-ylidene] ethylidene]-4-methylenecyclohexanol IUPAC name: (3b,5Z,7E)-9,10-secocholesta-5,7,10 (19) -trien-3-ol
927.	Vornzlate	CAS number: 1929-77-7 CAS name: S-propyl N,N-dipropylcarbamothioate IUPAC name: S-propyl NN-dipropyl thiolcarbamate
928.	Warfarin	CAS number: 81-81-2 CAS name: 4-hydroxy-3-(3-oxo-1-phenylbutyl)-2H-1-benzopyran-2-one IUPAC name: 4-hydroxy-3-[(1RS)3oxo-1-phenylbutyl] coumarin
929.	Z13-ODAc	CAS number:60037-58-3 CASName-Z-13-Octadecenylacetate IUPAC name: [(Z)-octadec-13-enyl]acetate
930.	Z13-ODOH	CASNo.69820-27-5 CASName-Cis-13-Octadecenol IUPAC name: (Z)-octadec-13-en-1-ol
931.	Z7-12Ac	CAS number: 14959-86-5 CAS name: Looplure IUPAC Name: Z-7DODECENYLACETATE
932.	Z9-14AC	CAS number: 16725-53-4 CAS name: Z-9-TETRADECENYLACETATE IUPAC name: [(Z)-tetradec-9-enyl] acetate
933.	Z-9-HDAL	CAS number: 53939-28-9 CAS name: Not available, IUPAC name: (Z)-11-Hexadecenal
934.	Z11-16OH	CAS number: 56683-54-6 CAS name: Not available, IUPAC name: (Z)-11-Hexadecen-1-ol
935.	Zeta-cypermethrin	CAS number: 52315-07-8 CAS name: (S)-cyano(3-phenoxyphenyl)methyl ( $\pm$ )-cis-trans-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate IUPAC name: A mixture of the stereoisomers (S) $\alpha$ -cyano

		3-phenoxybenzyl(1RS,3RS;1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-dimethyl cyclopropane carboxylate where the ratio of the (S);(1RS,3RS) isomeric pair to the (S);(1RS,3SR) isomeric pair lies in the ratio range 45-55 to 55-45
936.	Zimet	CAS number: 61930-49-2 CAS name: (3H)-Thiazolone, 4,5-diphenyl-, (1-(4-(bis(2-hydroxyethyl)amino)phenyl)ethylidene)hydrazone IUPAC name: 2-[4-[(Z)-N-[(4,5-diphenyl-1,3-thiazol-2-yl)amino]-C-methylcarbonimidoyl]-N-(2-hydroxyethyl)anilino]ethanol
937.	Zinc Phosphide	CAS number: 1314-84-7 CAS name: zinc phosphide (Zn3P2) IUPAC name: zinc phosphide
938.	Zinc pyrithione	CAS number: 13463-41-7 CAS name: Zinc pyrithione IUPAC name: zinc;1-oxidopyridin-1-ium-2-thiolate
939.	Zineb	CAS number: 12122-67-7 CAS name: [[2-[(dithiocarboxy)amino]ethyl] carbamodithioato(2-)-κS,κS']zinc IUPAC name: zincethylene bis-(dithiocarbamate) (polymeric)
940.	Ziram	CAS number: 137-30-4 CAS name: (T-4)-bis(dimethylcarbamodithioato-κS, κS') zinc IUPAC name: zinc bis (dimethyl dithiocarbamate)
941.	Zoxamide	CAS number: 156052-68-5 CAS name: 3,5-dichloro-N-(3-chloro-1-ethyl-1-methyl-2-oxopropyl)-4-methylbenzamide IUPAC name: (RS)-3,5-dichloro-N-(3-chloro-1-ethyl-1-methyl-2-oxopropyl)-p-toluamide
942.	Zulate	CAS number: Not available CAS name: Not available IUPAC name: Not available

Joint Secretary to the Government of India

**Annexure - 2****Follow-up /Action taken report on 63<sup>rd</sup> CIB meeting**

The 63<sup>rd</sup> meeting of the Central Insecticides Board was held on 05.09.2022 at 1400 hrs through hybrid mode/video conferencing under the Chairmanship of Prof. (Dr.) AtulGoel, Director General, Health Services (DGHS), Ministry of Health & Family Welfare and the Chairman, Central Insecticides Board, at 445-A, NirmanBhawan, New Delhi.

At the outset, the Chairperson gave a warm welcome to all the participants. He stressed the importance of the agenda of the meeting and its relevance for the agrochemical industry and farmers during his brief inaugural address. He requested for self-introduction to all members so that the discussion could be taken in a congenial atmosphere. All the participants introduced themselves. After a formal introduction by the participants, Chairperson requested Secretary CIB&RC to present the agenda. After detailed deliberation on each issue, the following decisions were taken:

<b>S. No.</b>	<b>Subject</b>	<b>The decision of the CIB</b>	<b>Action taken</b>
Agenda Item No. 1	Confirmation of minutes of 62 <sup>nd</sup> meeting of CIB held on 09.05.2022	No comments were received from the members on the minutes of the 62 <sup>nd</sup> meeting of the Board, therefore, the minutes of the 62 <sup>nd</sup> meeting of CIB was confirmed. While confirming the MOM, it was also informed that the Directorate General, Factory Advice Services and Labour Institutes (DG, FASLI) has submitted its report dated 05.09.2022 containing prescribed Safety and health standards & Standard Operating Procedures (SOP) for handling, storage, manipulation and use of insecticides in pursuance of a decision taken by the board while confirming of the MOM of 61 <sup>st</sup> meeting vide agenda item no. 1. The Chairman directed the Secretariat that the detailed agenda on the above	An Agenda note on prescribed Safety, health standards & Standard Operating Procedures (SOP) for handling, storage, manipulation and use of insecticides, as submitted by Factory Advice Services and Labour Institutes, is put up for consideration.

		subject shall be presented in the next meeting for appropriate decision.	
Agenda Item No. 2	Follow-up action on the decisions of the 62 <sup>nd</sup> Meeting of the CIB	The Board noted the follow-up action on the decisions of the 62 <sup>nd</sup> meeting with satisfaction and appreciated the efforts made by the Secretariat of CIB&RC to complete the action in a time-bound manner.	No Action Required
Agenda Item No. 3	Progress Report of the Registration Committee, Central Insecticides Laboratory, Techno-legal Cell and RPTLs	The Board noted the progress of the Registration Committee, Central Insecticides Laboratory, Techno-legal Cell and RPTLs with satisfaction.	No Action Required
Agenda Item No. 4	Major achievements of the Secretariat of CIB&RC during the period 01.05.2022 to 31.08.2022	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 01.05.2022 to 31.08.2022 and also appreciated the concrete 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	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	No Action Required
Agenda Item No. 7	Import permit issued for multi-use/dual-	The Board members were apprised about the import permit issued for Multi-use/Dual-use Pesticides (for	No Action Required

	use (non-insecticidal purpose)	Non-Insecticidal purposes) during the period from 01.05.2022 to 31.08.2022. The Board noted the information.	
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 the 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 01.05.2022 to 31.08.2022.	No Action Required
Agenda Item No. 9	Consideration of Notifications issued by the Ministry of Agriculture and Farmers Welfare.	The Board noted the Notification issued by the Ministry of Agriculture and Farmers Welfare vide S.O. 3908 (E) dated 18.08.2022 (Inclusion of 3 molecules in the Schedule to the Insecticides Act).	No Action Required
Agenda Item No. 10	Draft notification for prescribing educational qualifications for a person who applied for a manufacturing license for pesticides.	The agenda was discussed in detail and approved the draft notification for final publication in the Gazette of India.	The decision of the Board was communicated to DA&FW. Accordingly, DA & FW, published a Gazette Notification: Draft Insecticides Amendment Rules, 2022 Vide G.S.R 790 (E) dated 21.10.2022
Agenda Item No. 11	Proposal for the sale of pesticides through an online portal	The agenda was discussed in detail and Board approved the draft	The decision of the Board was

		notification for final approval and publication in the Gazette of India	communicated to DA&FW. Accordingly, DA & FW, published a Gazette Notification: Insecticides (Second Amendment) Rules, 2022 Vide G.S.R 846 (E) dated 24.11.2022
Agenda Item No. 12	Consultation of Central Insecticides Board on draft notification for restriction on the use of Glyphosate and recommendation of registration committee on objections/ suggestion thereof	The Board perused the draft proposal for publishing the notification on restriction on the use of glyphosate specifying that Glyphosate shall not be used by any person except Pest Control Operators. The board approved the above-said proposal	The decision of the Board was communicated to DA&FW. Accordingly, DA & FW, published a Gazette Notification: Restriction on use of Glyphosate Order 20.02.2022 vide S. O. 5010 (E) dated 21.10.2022
Agenda Item No. 13	Proposal for amendments in Insecticides Rules, 1971 on packaging and labelling of insecticides, issues related to requirements prescribed in labels and leaflets and matters thereof	The agenda was discussed in detail and Board approved the draft notification for final publication in the Gazette of India	The DA&FW was communicated the decision of the board. Accordingly, DA & FW, published a Gazette Notification: Draft Insecticides Amendment Rules, 2022 Vide G.S.R 806 (E) dated 27.10.2022
Agenda Item No. 14	Amendment in Rule 14 Transfer of License” in case of death of Licensee and requirement of educational qualification and	The agenda was deliberated in detail. The Board opined that transfer of the licence to the next family member/kin in case of death of the licensee can be accepted subject to the applicability of succession laws; without any relaxation in the basic qualification of	The DA&FW was communicated the decision of the board. DA & FW, has directed to re-examine and put up a



	<p>representation received from M/s Agro Input Dealers Association, New Delhi related to license requirement in case of death of the existing license</p>	<p>desired licence transferee/ desired kin. Therefore, the existing educational qualification as applicable to any new applicant may be considered in case of transfer of license and not what has been proposed in the second paragraph of the draft notification</p>	<p>proposal for the same.</p>
<p>Agenda Item No. 15</p>	<p>Proposal for revision of fee of pesticides after reviewing of present fee considering the factors of escalating cost, scientific, technical, legal, and administrative man hours laboratory, infrastructure etc.</p>	<p>The agenda was deliberated in detail and the Board observed that the Sub-Committee has touched all the possible corners to arrive a consensus decision. The board unanimously appreciated the efforts made by the Sub-Committee in a time-bound manner. The board also noticed that it is a very complex and sensitive issue which has been dealt by the sub-committee with due diligence. It was observed that the subcommittee has considered all involved factors such as escalating costs for scientific, technical, legal and administrative man hours, hike in laboratory chemical cost, equipment and other infrastructure etc. while considering the issue of enhancing of pesticides registration fee after reviewing of present fee slab. The members after a detailed discussion approved the proposal as annexed at (Annexure 15). The board also opined that the rationale for the revised fee structure as tabulated after reducing the proposed fee by the subcommittee, it may be clearly enumerated in the minutes of the meeting. The same has been done by the Secretariat of CIB&amp;RC vide annexure-15.</p>	<p>The decision of the Board was communicated to DA&amp;FW. Accordingly, DA &amp; FW, published a Gazette Notification: Draft Insecticides Amendment Rules, 2022 Vide G.S.R 833 (E) dated 22.11.2022</p>

		<p>The Secretary (CIB) informed during the discussion that the following rationale for reduction has been applied to arrive at the recommendations:</p> <ol style="list-style-type: none"> <li>1. In view of objections / suggestions of all the stakeholders and discussion of the same in DA&amp;FW, the proposed fee structure was uploaded on the website in a form of a public notice dated 04.01.2022 for seeking stakeholders' comments. After detailed consideration of the comments of the stakeholders the fee structure u/s 9(3b)/9(3) category of application has been revised to 50% of the proposed fees, except the Export category to facilitate the export of pesticides.</li> <li>2. For the bio-pesticide category only Rs 10,000 has been considered as revised fee in line with the view, objective, and directions to promote bio-pesticides, natural farming and reducing the use of chemical pesticides.</li> <li>3. Whereas in view of the concerns raised by various stakeholders, particularly the generic sector, for 9(4) category ("Me Too") and other endorsements category applications the registration fees have been reduced to 1/10th of the earlier proposed fees &amp; rounded up to nearest of thousand/ hundred as applicable except 9(4) TIM.</li> </ol> <p>Based on clarification and data presented in the agenda, the board approved the fee structure as in Annexure-15 and directed the</p>	
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		Secretariat to send an appropriate proposal to the DA&FW for its final consideration for publication in the Gazette of India.	
Agenda Item No. 16	Banning of Streptomycin + Tetracycline	The board felt it expedient that the ICAR shall bring the complete details of the data available and generated by them before arriving at an appropriate view.	Response awaited
Agenda Item No. 17	Processing of meeting of the Expert Committee constituted by PP-Division, DA&FW as per the observations/recommendations of 28 <sup>th</sup> Report of the committee on Petitions (17th Lok Sabha) and Other related issued under the Chairmanship of Dr. S. C. Dubey, ADG (PP), ICAR	The agenda was discussed in detail and the Board accepted and approved the recommendations of the expert committee with a direction to the secretariat of CIB&RC to communicate the same to DA&FW for its consideration for publication in the Gazette of India.	Response awaited
Agenda Item No. 18	Follow-up agenda on Re-notification of the complete list of the schedule to the Insecticides Act, 1968	The agenda was discussed in detail and appreciated the efforts of the sub-committee in doing this labyrinth task, however, it was noticed that the Schedule has not been prepared in an appropriate presentable format. Therefore, the Board advised the Sub-Committee shall visit again the schedule and to give crisp recommendations on the following points: 1. In case of duplicate entries, S. No. of desired deletion and S. No. to be retained in Schedule.	Correction in minutes is proposed

		<p>2. Trade name for which CAS No. and IUPAC name is not available and eligible for deletion.</p> <p>3. Trade name for which CAS No. and IUPAC name is available and eligible for retention.</p> <p>4. Chemicals which do not have IUPAC and CAS No. assigned to them but information available shall be decorated with the information and put up in separate table.</p> <p>5. Name of the salt of already notified molecule shall also be presented in separate table for inclusion.</p> <p>6. All the pesticides notified in the Schedule through various notifications shall be harnessed with CAS No., CAS Name and IUPAC name mandatorily wherever missing.</p> <p>7. The genuine, original sterling look of the schedule shall be retained with date of gazette publication.</p> <p>Therefore, the Schedule to the Insecticides Act, 1968 may be referred back to the same Sub-Committee.</p>	
Agenda Item No. 19	Any other item with the permission of the Chair	The following two agendas were also taken up for discussion and decision with the permission of the Chair.	
Agenda Item No. 19.1	Request to enhancement from 2 years to 3 years and seeking permission to seek the approval of SAC in forthcoming CIB meeting for Cyantraniliprole 19.8% +	The agenda was discussed and approved with instruction to the applicant that they should submit the required samples of their product in the packaging division of CIL along with sufficient quantity of CRM and Internal Standard, if any. The data shall be presented to the SAC after completion of the study and the same shall be presented to the	No action required

	Thiamethoxam 19.8% w/w FS &Chlorantraniliprol e 8.8% w/w + Thiamethoxam 17.5% w/w SC u/s 9(3) FIM	Board afterwards for appropriate decision. The Board strongly asked the authorities to equip the P&P division, CIL, so that effect to the 340 <sup>th</sup> RC decision could be given for the generation of S/L data in CIL as one of the locations.	
Agenda Item No. 19.2	Request to use data already generated initially for New 9(3) FIM for Enhancement of Shelf Life of Abamectin 1.9% EC from 18 Months to 24 Months u/s 9(4) FIM-reg.	The agenda was deliberated in details. It was observed that the applicant has already generated the data of S/L at three locations. The board directed that the applicant should submit the required samples of their product in the packaging division of CIL along with the sufficient quantity of CRM and Internal Standard, if any as one of the locations in addition to the data generated. The data shall be presented to the SAC after completion of the study and the same shall be presented to the Board afterwards for appropriate decision.	No action Required
Agenda Item No. 19.3	Environment Clearance shall be made mandatory for pesticides industry.	Dr. V.P. Upadhyaya, representative of the Ministry of Environment raised the issue of the requirement of Environment clearance for the pesticides industry. The Plant Protection Adviser informed the house that the Insecticides Act, 1968 is in addition to, and not in derogation of any, other law for the time being in force as per Section 2 to the IA, 1968. Therefore, it was decided that a detailed proposal shall be submitted to the Sectt. of CIB&RC by the Ministry of Environment on the issue. The same shall be put up to the board	Proposal is awaited

		in its next meeting for appropriate decision.	
No other point was raised by any of the members. The meeting ended with a vote of thanks to the Chair.			

**Annexure-3.1****List of Pesticides and New Formulations Approved by the Registration Committee under Section 9(3) of the Insecticides Act, 1968**

<b>Sl. No.</b>	<b>Name of Pesticides</b>	<b>Name of the registrant</b>	<b>Category</b>	<b>RC Number</b>
1	Isocycloseram technical 96% w/w min	M/s Syngenta India Ltd	9(3) TI	442
2	Pyraclostrobin 3.5% + Thiram 15% + Clothianidin 22.5% FS	M/s GSP Crop Science Pvt. Ltd	9(3) FIM	442
3	Sulfoxaflor 21.8% SC	M/s Dow Agro Science India Pvt. Ltd	9(3) FIM vs FIT	442
4	Sulfoxaflor 11.4% SC	M/s Dow Agro Sciences India Pvt. Ltd	9(3) FIM.	442
5	Gibberellic acid 1.8% + 6-Benzyl Adenine 1.8% L (Promalin) u	M/s Sumitomo Chemicals India Pvt. Ltd	9(3) FI	442
6	Pyroxasulfon 85% WG	M/s UPL Ltd	9(3) FIM vs FIT	442
7	Pyrazosulfuron ethyl 70% WG u/s 9(3)	M/s Crystal Crop Protection Ltd	9(3) FIM vs FIT	442
8	Azoxystrobin 10% + Fiponil 5% SC	M/s Gharda Chemicals Ltd	9(3) FIM	443
9	Indoxacarb 10% + Thiamethoxam 10% WG	M/s Gharda Chemicals Ltd	9(3) FIM	443
10	Glyphosate potassium salt 41.60% (equivalent to 54% SL w/v)	M/s Insecticides India Ltd	9(3) FIM	443
11	Clodinafoppropargyl 12.5% EC	M/s UPL Ltd.,	9(3) FIM	443
12	Diflubenzuron 0.1% w/w termite ba	M/s Pest Control India Pvt. Lt	9(3) FIM	443
13	Fomesafen 17.5% + Clodinafoppropargyl 12.5% ME	M/s UPL Ltd	9(3) FIM	443
14	2,4-D sodium salt 48% + Metribuzin 32% + Chlorimuron ethyl 0.85% WDG	M/s Atul Ltd	9(3) FIM	443
15	Acetamiprid 25% + Bifenthrin 25% WG	M/s UPL Ltd	9(3) FIM	443
16	Dinotefuran 70% WG	M/s PI Industries Ltd.,	9(3) FIM	443
17	Broflanilide 300g/l SC	M/s BASF India Ltd	9(3) FIM vs FIT	443
18	Imazamox 35% + Imazethapyr 35% WG	M/s Parijat Industries Ltd	9(3)FIM vs FIT	443
19	Florpyrauxifen-benzyl 2.13% + Cyhalofop butyl 10.64% EC	M/s Dow Agro Science India Ltd	9(3) FIM	443

20	Florpyrauxifen-benzyl 2.7% EC	M/s Dow Agro Science India Ltd	9(3) FIM	443
21	Spinoteram 5.66% + Methoxyfenozide 28.3% SC	M/s Dow Agro Science India Ltd	9(3) FI	443
22	Cyclaniliprole 100 DC	M/s ISK Biosciences India Pvt. Ltd	9(3) FIM	443
23	Triflumezopyrim 20% WG	M/s CortevaAgriscience India Pvt. Ltd	9(3) FIM	443
24	Propaquizafop 10% EC	M/s Best Crop Science	9(3) FIM vs FIT	443
25	Isocycloseram 18.1% SC	M/s Syngenta India Ltd	9(3) FIM	443
26	Transfluthrin 0.15% Mosquito Coil	M/s Godrej Consumer Products Ltd	9(3) FIM	444
27	Metribuzin 70% WG	M/s Sulphur Mills Ltd	9(3) FIM	444
28	Diuron 25.6% + Glyphosate 14.9% + Oxyfluorfen 11.5% SC	M/s ADAMA India Pvt. Ltd.	9(3) FIM	444
29	Pyraclostrobin 10% + Fipronil 5% SC	M/s Gharda Chemicals Ltd.,	9(3) FIM	444
30	Cartap hydrochloride 25% + Emamectin benzoate 1% SG	M/s ADAMA India Pvt. Ltd	9(3) FIM	444
31	Oxadiargyl 1% + Pretilachlor 6% GR	M/s Parijat Industries (India) Pvt. Ltd	9(3) FIM	444
32	Deltamethrin impregnated bed net 55 mg/m <sup>2</sup> (0.0018% w/w)	M/s ShobikaImpex Pvt. Ltd	9(3) FIM vs FIT	444
33	Propaquizafop 2.5% + Imazethapyr 3.75% ME	M/s Best Crop Science Pvt. Ltd	9(3) FIM vs FIT	444
34	Propaquizafop 5% + Oxyfluorfen 12% EC	M/s Best Crop Science Pvt. Ltd	9(3) FIM vs FIT	444



**Annexure-3.2****List of Already Registered Pesticides and Formulations Approved by the Registration Committee Under Section 9(3) of the Insecticides Act, 1968**

<b>Sl. No.</b>	<b>Name of Pesticides</b>	<b>Name of the registrant</b>	<b>Category</b>	<b>RC Number</b>
1	Bispyribac sodium technical 98% w/w min	M/s MahamayaLifescience Pvt. Ltd	9(3) TI new source	442
2	Lufenuron technical 96% w/w min	M/s Meghmani Organics Ltd.	9(3)(TIM vs TI)	442
3	Sulfentrazone technical 91% min.	M/s Meghmani Industries Ltd	9(3) (TIM vs TI)	442
4	Dinotefuran technical 99.1% w/w min	M/s Mitsui Chemicals India Ltd.	(9(3)TIM vs TI)	443
5	Pinoxaden technical 95.0% w/w min	M/s Natco Pharma Ltd	9(3) (TIM vs TI)	443
6	Propaquizafop Technical 91.0% w/w min	M/s Best Crop	9(3) (TIM vs TI)	443
7	Cyhalofop butyl technical 96% w/w min	M/s Best Crop	9(3) (TIM vs TI)	443
8	Flubendiamide technical 95% w/w min.	M/s PI Industries Ltd	9(3) (TIM vs TI)	443
9	Chlorantraniliprole technical 93.0% w/w min	M/s Cheminova India Ltd.	9(3) (TIM vs TI)	443
10	Mesotrione technical 98.00%	M/s Crimsun Organic Pvt. Ltd	9(3) (TIM vs TI)	443
11	Pyraclostrobin technical 95% w/w min.	M/s Coromandel International Ltd	9(3) (TIM vs TI)	443
12	Chlorpropham technical 99% w/w min	M/s Penwalt Ltd	9(3) TI (new source).	444

**Annexure-3.3****List of New/already registered Bio-pesticide approved by the Registration Committee U/s 9(3b)/ 9(3) of the Insecticides Act, 1968**

S. No.	Company name	Product Name	Strain & Accession No	RC No.
1.	M/s PralAgri Solutions,	<i>Beauvariabassiana</i> 1.15% WP	Strain BB-ICAR-RJP, Accession No. MCC 1022]	442
2.	M/s New Swadeshi Sugar Mills,	<i>Beauvariabassiana</i> 1.15% WP	Strain BB-ICAR-RJP, Accession No. MCC 1022]	442
3.	M/s K-Gen Lifetech,	<i>Beauvariabassiana</i> 1.15% WP	Strain BB-ICAR-RJP, Accession No. MCC 1022]	442
4.	M/s Biocontrol Research Laboratory,	<i>Beauvariabassiana</i> 1.15% WP	Strain BB-ICAR-RJP, Accession No. MCC 1022]	442
5.	M/s Innovac Bioscience Pvt. Ltd.,	<i>Beauvariabassiana</i> 1.15% WP	Strain BB-ICAR-RJP, Accession No. MCC 1022]	442
6.	M/s Universal Bio-chem Pvt. Ltd.,	<i>Beauvariabassiana</i> 1.15% WP	Strain BB-ICAR-RJP, Accession No. MCC 1022]	442
7.	M/s Grace Bio-Care Pvt. Ltd.,	<i>Beauvariabassiana</i> 1.15% WP	Strain BB-ICAR-RJP, Accession No. MCC 1022]	442
8.	M/s PralAgri Solutions,	<i>Verticilliumlecanii</i> 1.15% WP	Strain AS-MEGH-VL, Accession No. MCC 1028]	442
9.	M/s Dewborn Agro Chemicals,	<i>Verticilliumlecanii</i> 1.15% WP	Strain AS-MEGH-VL, Accession No. MCC 1028]	442
10.	M/s Biocontrol Research Laboratory,	<i>Verticilliumlecanii</i> 1.15% WP	Strain AS-MEGH-VL, Accession No. MCC 1028]	442

11.	M/s Universal Bio-com Pvt. Ltd.,	<i>Verticilliumlecanii</i> 1.15% WP	Strain AS-MEGH-VL, Accession No. MCC 1028]	442
12.	M/s KrishivikasSahakariSamiti Ltd.,	<i>Bacillus subtilis</i> 1.5% AS	Strain KTSB – 1015 Accession No. ITCC No. MTCC no. - 5786]	442
13.	M/s Synergy Cropscience Pvt. Ltd.,	<i>Bacillus subtilis</i> 1.5% AS	Strain KTSB – 1015 Accession No. ITCC No. MTCC no. - 5786	442
14.	M/s Arihant Chemicals Industries,	<i>Metrihiziumanisopliae</i> 1.0% WP	Strain IPL/KC/44 & Accession No. ITCC 6895	442
15.	M/s Indore Biotech Inputs and Research (P) Ltd.,	<i>Metrihiziumanisopliae</i> 1.0% WP	Strain IPL/KC/44 & Accession No. ITCC 6895	442
16.	M/s synergy Crop Science Pvt. Ltd.,	<i>Metrihiziumanisopliae</i> 1.0%WP	Strain IPL/KC/44 & Accession No. ITCC 6895]	442
17.	M/s Grace Bio Care Pvt. Ltd.,	<i>Trichodermaharzianum</i> 1.0% WP	Strain IIHR Th-2, Accession No. ITCC No. 6888]	442
18.	M/s Asia Dawn Bio Care,	<i>Trichodermaharzianum</i> 1.0% WP	Strain IIHR Th-2, Accession No. ITCC No. 6888]	442
19.	M/s K-Gen Lifetech,	<i>Trichodermaharzianum</i> 1.0% WP	Strain IIHR Th-2, Accession No. ITCC No. 6888]	442
20.	M/s PralAgri Solutions,	<i>Trichodermaviride</i> 1.5% WP	Strain IIHR TV-5, Accession No. ITCC 6889]	442
21.	M/s Sai Bio Organics,	<i>Trichodermaviride</i> 1.5% WP	Strain IIHR TV-5, Accession No. ITCC 6889]	442
22.	M/s New Swadeshi Sugar Mills,	<i>Trichodermaviride</i> 1.5% WP	Strain IIHR TV-5, Accession No. ITCC 6889]	442

23.	M/s Grace Bio Care Pvt. Ltd.,	<i>Trichoderma viride</i> 1.5% WP	Strain IIHR TV-5, Accession No. ITCC 6889]	442
24.	M/s Bio Pest Control Industries,	<i>Trichoderma viride</i> 1.5% WP	Strain IIHR TV-5, Accession No. ITCC 6889]	442
25.	M/s Synergy Crop Science Pvt. Ltd.,	<i>Trichoderma viride</i> 1.5% WP	Strain IIHR TV-5, Accession No. ITCC 6889]	442
26.	M/s Crophetics Nutrition LLP,	<i>Trichoderma viride</i> 1.5% WP	Strain IIHR TV-5, Accession No. ITCC 6889]	442
27.	M/s Redisun Biotech,	<i>Trichoderma viride</i> 1.5% WP	Strain IIHR TV-5, Accession No. ITCC 6889]	442
28.	M/s Navratan Bio Science Pvt. Ltd.,	<i>Trichoderma viride</i> 1.5% WP	Strain IIHR TV-5, Accession No. ITCC 6889]	442
29.	M/s Innovac Biosciences Pvt. Ltd.,	<i>Trichoderma viride</i> 1.5% WP	Strain IIHR TV-5, Accession No. ITCC 6889]	442
30.	M/s Parle Bio Care LLP,	<i>Trichoderma viride</i> 1.5% WP	Strain IIHR TV-5, Accession No. ITCC 6889]	442
31.	M/s Criyagen Agri & Biotech Pvt. Ltd.,	<i>Trichoderma viride</i> 1.5% WP	Strain IIHR TV-5, Accession No. ITCC 6889]	442
32.	M/s Universal Bio-con Pvt. Ltd.,	<i>Trichoderma viride</i> 1.5% WP	Strain IIHR TV-5, Accession No. ITCC 6889]	442
33.	M/s Crophetics Nutrition LLP,	<i>Verticillium chlamydosporium</i> 1% WP	Strain IIHR VC-3, Accession No. ITCC 6898]	442
34.	M/s Arihant Chemicals Industries,	<i>Verticillium chlamydosporium</i> 1% WP	Strain IIHR VC-3, Accession No. ITCC 6898]	442

35.	M/s Grace Bio Care Pvt. Ltd.,	<i>Verticilliumchlamydosporium 1% WP</i>	Strain IIHR VC-3, Accession No. ITCC 6898]	442
36.	M/s Central Insecticides and Fertilizer,	<i>Pseudomonas fluorescens 1.0% WP</i>	Strain IIHR PF-2, Accession No. ITCC B0034]	442
37.	M/s Grace Bio Care Pvt. Ltd.,	<i>Pseudomonas fluorescens 1.0% WP</i>	Strain IIHR PF-2, Accession No. ITCC B0034]	442
38.	M/s Crophetics Nutrition LLP,	<i>Pseudomonas fluorescens 1.0% WP</i>	Strain IIHR PF-2, Accession No. ITCC B0034]	442
39.	M/s Ripuhara Agro Pvt. Ltd.,	<i>Pseudomonas fluorescens 1.0% WP</i>	Strain IIHR PF-2, Accession No. ITCC B0034]	442
40.	M/s New Swadeshi Sugar Mills,	<i>Pseudomonas fluorescens 1.0% WP</i>	Strain IIHR PF-2, Accession No. ITCC B0034]	442
41.	M/s Crop Health Biotech,	<i>Pseudomonas fluorescens 1.0% WP</i>	Strain IIHR PF-2, Accession No. ITCC B0034]	442
42.	M/s CriyagenAgri and Biotech Pvt. Ltd.,	<i>Pseudomonas fluorescens 1.0% WP</i>	Strain IIHR PF-2, Accession No. ITCC B0034]	442
43.	M/s KrishiVikasSahakariSamiti Ltd.,	<i>Pseudomonas fluorescens 1.0% WP</i>	Strain IIHR PF-2, Accession No. ITCC B0034]	442
44.	M/s IRA Biotech,	<i>Pseudomonas fluorescens 1.0% WP</i>	Strain IIHR PF-2, Accession No. ITCC B0034]	442
45.	M/s Bannari Amman Sugars Ltd.,	<i>Pseudomonas fluorescens 1.0% WP</i>	Strain IIHR PF-2, Accession No. ITCC B0034]	442
46.	M/s Lotus Biotech,	<i>Pseudomonas fluorescens 1.0% WP</i>	Strain IIHR PF-2, Accession No. ITCC B0034]	442

47.	M/s Prathibha Biotech Ltd.,	<i>Pseudomonas fluorescens 1.0% WP</i>	Strain IIHR PF-2, Accession No. ITCC B0034]	442
48.	M/s Institute of Plant Biotechnology,	<i>Pseudomonas fluorescens 1.0% WP</i>	Strain IIHR PF-2, Accession No. ITCC B0034]	442
49.	M/s Ruchi Biochemical,	<i>Pseudomonas fluorescens 1.0% WP</i>	Strain IIHR PF-2, Accession No. ITCC B0034]	442
50.	M/s Khitiz Agro Tech Pvt. Ltd.,	<i>Pseudomonas fluorescens 1.0% WP</i>	Strain IIHR PF-2, Accession No. ITCC B0034]	442
51.	M/s Universal Bio-Con Pvt. Ltd.,	<i>Pseudomonas fluorescens 1.0% WP</i>	Strain IIHR PF-2, Accession No. ITCC B0034]	442
52.	M/s Synergy Cropscience Pvt. Ltd.,	<i>Pseudomonas fluorescens 2.0% AS</i>	Strain IPL/PS-01, Accession No. MTCC-5727]	442
53.	M/s KrishiVikasSahakariSami ti Ltd.,	<i>Pseudomonas fluorescens 2.0% AS</i>	Strain IPL/PS-01, Accession No. MTCC-5727]	442
54.	M/s KrishiVikasSahakariSami ti Ltd.,	<i>Trichodermaviride 1.5% LF</i>	Strain TV-1, Accession No. MTCC-5170]	442
55.	M/s Synergy Crop Science Pvt. Ltd.,	<i>Trichodermaharzianum 2.0%AS</i>	Strain IPL/VT/102, Accession No. ITCC-6893]	442
56.	M/s Black Water Biotech Pvt. Ltd.,	<i>Bacilliusthuringiensisvarisraelensis (serotype H 14)</i>	(Strain ISBTI) 2021 B-17	442
57.	M/s Khistiz Agro Tech Pvt. Ltd.,	<i>Trichodermaviride 1.5% LF</i>	Strain TV-1, Accession No. MTCC-5170	443
58.	M/s KrishiVikasSahakariSami ti Ltd.,	<i>Beauveriabassiana 1.15% LF</i>	Strain BB-01, Accession No. MTCC-5171	443

59.	M/s Zytex Biotech Pvt. Ltd.,	<i>Verticilliumlecanii</i> 1.15% WP	Strain AS-MEGH-VL, Accession No. MCC-1028	443
60.	M/s Zytex Biotech Pvt. Ltd.,	<i>Trichodermaharzianum</i> 1.0% WP	Strain IIHR Th-2, Accession No. ITCC No. 6888]	443
61.	M/s Mahagraphes,	Trichodermaviride 1.5% WP	Strain IIHR TV-5, Accession No. ITCC 6889]	443
62.	M/s synergy Crop Science Pvt. Ltd.,	Beauveriabassiana 1.5% LF	Strain Bb-01, Accession No. MTCC No. 5171	444

**Annexure-5****List of Additional and new packing approved by the Registration Committee****A) List of New/ Alternate packing for approved pesticides**

S.N	Product Name	Company Name	Endorsement	RC
1	Dimethomorph 50% WP	M/s PI Industries Limited	Endorsement of alternate packing in Trilaminated pouch (12µ PET/12µ Metalized PET/ 100µ LDPE) of capacity 100gm, 200gm, 400gm, 500gm, and 1000gm as a primary packing, which shall be further packed in CFB box as a transport packing.	442
2	Fenpyroximate 5% EC	M/s Jivagro Limited	Endorsement for alternate packing in 50ml, 100ml, 200ml, 250ml, 500ml, 1liter, and 5liters capacity in PA/EVOH as a primary packing and 5-ply CFB box as a transport packing.	442
3	<i>Trichoderma viride</i> 1.0% WP	M/s IPL Biologicals	Endorsement of alternate packing in trilaminated pouch of capacities 100gm, 250gm, 500gm, 1kg and 5kg as a primary packing, which shall be further packed in 5-ply corrugated fibre board box conforming to IS:2771(I):1990 as transport packing.	442
4	Beauveria Bassiana 1.0% WP	M/s IPL Biologicals	Endorsement of alternate packing in trilaminated pouch of capacities 100gm, 250gm, 500gm, 1kg and 5kg as a primary packing, which shall be further packed in 5-ply corrugated fibre board box conforming to IS:2771(I):1990 as transport packing.	442
5	Metarhiziumanisopliae 1.0% WP	M/s IPL Biologicals	Endorsement of alternate packing in trilaminated pouch of capacities 100gm, 250gm, 500gm, 1kg and 5kg as a primary packing, which shall be further packed in 5-ply corrugated fibre board box conforming to IS:2771(I):1990 as transport packing.	442
6	Imidacloprid Technical 96.00% w/w minimum	M/s Rainbow Agrosciences Pvt. Limited	Endorsement for alternate packing of 25kg capacity in Polywoven bag with internal liner.	442
7	Sulphur 80% WDG	M/s UPL Limited	Endorsement of additional packing in bi-laminated pouch of 5 Kg capacity and 20 kg woven bag as transport pack.	442
8	Difenoconazole Technical 95.00% w/w minimum	M/s Rainbow Agrosciences Pvt. Limited	Endorsement for alternate packing of 25kg capacity in Polywoven bag with internal liner.	442
9	Chlorothalonil Technical 96% w/w minimum	M/s Syngenta India Limited	Endorsement of bulk packing in FIBC bag made up of Polypropylene woven fabric with inner polypropylene liner of capacity 550kg.	442
10	Chlorantraniliprole Technical 95.50% w/w min	M/s UPL Limited	Endorsement of additional packing in 50 kg capacity of LDPE Liner bag as primary packing as per IS 2508 (1984) and fibre board drum of 50kg capacity as transport packing as per IS 7601-1983.	442
11	Flubendiamide 0.7% GR	M/s Rallis India Limited	Endorsement of alternate transport packing for 1 kg & 5 kg Trilaminated pouches in HDPE woven sacks of capacity 20 kg (max.) confirming to IS : 8069-1989 & 8190 (Part-1)-1988.	442
12	<b>Triaccontanol 0.05% GR</b>	<b>M/s Godrej Agrovet Limited</b>	Endorsement of alternate packing in 5kg HDPE woven sack pack in 50kg Drum as a transport packing.	442



			and Endorsement of additional packing of 25kg in HDPE woven sack.	
13	Hexythiazox Technical	M/s Biostadt India Limited	Endorsement for alternate packing for import in Fibre drum with inner polyethylene liner having min thickness 0.062 mm having capacity 200 litre. The packaging system shall be as per IMDG no: 3077, packaging group -III, hazard class 9.	443
14	Transfluthrin 1.6% w/w Liquid Vaporiser	M/s Godrej Consumers Product Limited	Endorsement of alternate packing of 3 Refills (45 ml) + 1 machine. 36 units of secondary pack cartons will be packed in 5 ply corrugated box of specification IS 2771 (Part 1): 1990.	443
15	<i>Pseudomonas fluorescens</i> 1.0% WP	M/s IPL Biologicals	Endorsement of alternate packing in trilaminated pouch of capacities 100gm, 250gm, 500gm, 1kg and 5kg as a primary packing, which shall be further packed in 5-ply corrugated fibre board box conforming to IS:2771(I):1990 as transport packing.	443
16	<b>Kasugamycin Technical 64%</b> w/w min	M/s Dhanuka Agritech Limited	Endorsement for change of packing size (transport packing) from 200 Kg MS drum to 140 Kg fiber drum for import with net content of 50kg.	443
17	Emamectin benzoate 5% SG	M/s Agrico Organics Limited	Endorsement of alternate packing in PET bottles of 50gm, 100gm, 250gm, 500gm & 1kg capacity conforming to IS:13123:2000 as a primary packing and 5-ply CFB box as transport packing conforming to IS:2771(I):1990.	443
18	Tebuconazole 10% + Sulphur 65% WG	M/s Agrico Organics Limited	Endorsement of alternate packing in PET bottles of 100gm, 250gm, 500gm & 1kg capacity conforming to IS:13123:2000 as a primary packing and 5-ply CFB box as transport packing conforming to IS:2771(I):1990.	443
19	Thiamethoxam 75% SG	M/s Agrico Organics Limited	Endorsement of alternate packing in PET bottles of 100gm, 250gm, 500gm & 1kg capacity conforming to IS:13123:2000 as a primary packing and 5-ply CFB box as transport packing conforming to IS:2771(I):1990.	443
20	Mesotrione Technical 74% w/w minimum	M/s Syngenta India Limited	Endorsement of alternate packing in HDPE drum with polypropylene liner of capacity 90kg.	444
21	Fenpropathrin 10% EW	M/s Sumitomo Chemicals India Limited	Endorsement of alternate packing in PET container of capacity 100ml, 250ml, 500ml, 1.0litre, and 5.0litre as a primary packing, which shall be further packed in 5-ply CFB box conforming to IS:2771(I):1990 as transport packing of capacity 10litre.	444

**B) List of Additional packing for approved pesticides**

S.No	Product Name	Company Name	Endorsement	RC
1.	<b>Transfluthrin 0.08% Aerosol</b>	<b>M/s Hindustan Food Limited</b>	<p>Endorsement of additional transport pack containing 48 cans of 200ml, 24 cans of 400ml and 12 cans of 625ml.</p> <p><b>Primary packing:</b> The product shall be packed in tin cans of 200ml, 400ml and 625ml capacities crimped with a valve pump with an actuator and then will be capped with polypropylene (PP). The containers shall be as per 8190 (Part-III)-1988- requirements for household pesticides.</p> <p><b>Secondary packing:</b> The primary pack shall be shrink sleeved. The sleeve shall be transparent without printing in appearance.</p> <p><b>Transport packing:</b> These shall be further packed in CFB boxes of capacity 200ml × 48 units, or 400ml ×24 units, and 625ml ×12 units only as per IS 2771 (Part 1) –1990 shall be transport pack.</p>	442
2.	<b>Transfluthrin 1.6% w/w LV</b>	<b>M/sZobebe Group India Pvt. Limited</b>	<p>Endorsement for an additional packing in the registration certificate of Transfluthrin 1.6% LV.</p> <p><b>Primary packing:</b> The product will be 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.</p> <p><b>Secondary packing:</b> primary pack shall be placed along with heating device in a duplex board carton with dimension not more than 126x55x87.5mm.</p> <p><b>Transport packing:</b> 72 numbers of secondary pack will be further packed in 5-ply CFB box as per IS2771-1990 up to 12kg capacity. The inner dimension of the CFB box shall be 468x413x286mm.</p>	442
3.	<b>Transfluthrin 1.6% w/w LV</b>	<b>M/sZobebe Group India Pvt. Limited</b>	<p>Endorsement for an additional packing in the registration certificate of Transfluthrin 1.6% LV.</p> <p><b>Primary packing:</b> The product will be 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.</p> <p><b>Secondary packing:</b> 3 numbers of primary pack shall be placed along with heating device in a duplex board carton with dimension not more than 208x55x87.5mm.</p> <p><b>Transport packing:</b> 40 numbers of secondary pack will be further packed in 5-ply CFB box as per IS2771-1990 up to 11kg capacity. The inner dimension of the CFB box shall be 443x304x394mm.</p>	442

4.	<b>Transfluthrin 1.6% w/w LV</b>	<b>M/sZobebe Group India Pvt. Limited</b>	<p>Endorsement for an additional packing in the registration certificate of Transfluthrin 1.6% LV.</p> <p><b>Primary packing:</b> The product will be 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.</p> <p><b>Secondary packing:</b> 4 numbers of primary pack shall be placed along with heating device in a duplex board carton with dimension not more than 257x55x87.5mm.</p> <p><b>Transport packing:</b> 30 numbers of secondary pack will be further packed in 5-ply CFB box as per IS2771-1990 up to 11kg capacity. The inner dimension of the CFB box shall be 538x304x293mm.</p>	442
5.	<b>Metofluthrin 0.32% w/w Liquid Vaporizer</b>	<b>M/sZobebe Group India Pvt. Limited</b>	<p>Endorsement of additional packing of in the registration certificate of <b>Metofluthrin 0.32% w/w Liquid Vaporizer.</b></p> <p><b>Option 1:</b></p> <p><b>Primary packing:</b> The product will be 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.</p> <p><b>Secondary packing:</b> primary pack shall be packed in a duplex board carton with dimensions of 50x50x95mm as secondary packing.</p> <p><b>Transport packing:</b> 100 numbers of secondary pack will be further packed in 5-ply CFB box as per IS2771-1990 up to 6.7kg capacity. The dimensions of CFB box shall be LxWxH-485x260x212mm.</p> <p><b>Option 2:</b></p> <p><b>Primary packing:</b> The product shall be packed in 45ml in PET bottle containing formulations with an inside stopper made of Nylon and a cap made of Polypropylene. PET bottle shall be round with 43.8±2mm diameter, total height 60.7±2mm &amp; overflow volume 52±4ml. The wick is arranged with the help of thermo-plastic and assembly is closed with a screw on thread cap.</p> <p><b>Secondary packing:</b> PET bottles along with a heating device shall be placed in Duplex Board Carton of (122x60x95mm) as a secondary packing</p> <p><b>Transport packing:</b> 72 number of secondary packing shall be further packed in 5-ply CFB box conforming of IS:2771(I):1990 as transport packing of gross weight 10kg. The dimension of the CFB Box LxWxH-488x368x290mm.</p>	442

6.	<b>Metofluthrin 0.32% w/w Liquid Vaporizer</b>	<b>M/s Hindustan Food Limited</b>	Endorsement of additional packing of capacity 25ml in PET bottle as a primary packing, which shall be packed in duplex board carton as secondary packing and such 200 units of secondary packing shall be further packed in 5-ply CFB box conforming to IS:2771 (I):1990 as transport packing in the registration certificate of <b>Metofluthrin 0.32% w/w Liquid Vaporizer</b>	442
7.	Transfluthrin 0.88% w/w LV	M/s Brillon Consumer Products Pvt. Ltd.,	Endorsement for additional packing size as per below details: Pack of 3 refill & 1 heater as primary pack shall be packed in folding paper board carton. 36 units of folding paper board carton will be packed in 5-ply corrugated fibre board boxes. and Pack of 4 refill & 1 heater as primary pack shall be packed in folding paper board carton. 30 units of folding paper board carton will be packed in 5-ply corrugated fibre board boxes.	442
8	Transfluthrin 1.6% w/w LV	M/s Brillon Consumer Products Pvt. Ltd.,	Endorsement for additional packing size as per below details: Pack of 3 refill & 1 heater as primary pack shall be packed in folding paper board carton. 36 units of folding paper board carton will be packed in 5-ply corrugated fibre board boxes. and Pack of 4 refill & 1 heater as primary pack shall be packed in folding paper board carton. 30 units of folding paper board carton will be packed in 5-ply corrugated fibre board boxes.	442
9	Profenofos Technical 89% Min	M/s NACL Industries Limited	Endorsement of additional bulk packaging of Profenofos Technical 89% Min. in H.M HDPE drum suitably lacquered from inside of capacity 200 liters.	442
10	Pyriproxyfen 8% + Dinotefuran 5% + Diafenthiuron 18% SC	M/s Best Crop Science Pvt. Ltd.	Endorsement of additional packaging in 50ml and 5litre, inner mono carton as secondary packing for 50ml pack size, which shall be further packed in 5-ply CFB box as per IS:2771(I):1990 shall be used as transport packing.	442
11	Fluxametamide 10% w/w EC	M/s Godrej Agrovet Limited	Endorsement of alternate transport packing of 4.0lit net content for 160ml pack size. and Endorsement of additional packing of capacity 40ml & 80ml in co-extruded HDPE bottle, which shall be packed in duplex board mono carton as a secondary packing and 5-ply CFB box as transport packing.	442
12	Halosulfuron methyl 75% WDG	M/s Coromandel International Limited	Endorsement for additional packing of 3.6gm and 18gm in trilaminated pouch as a primary packing, duplex board carton with E-flute as a secondary packing and 5-ply CFB box as a transport packing.	442
13	Ametryne 80% WG	M/s ADAMA India Pvt.Limited	Endorsement of additional bulk packing for import in FIBC container of capacity 500kg as per IMDG UN No: 3077.	442
14	Tetraniliprole 18.18% w/w SC	M/s Bayer CropScience Limited	Endorsement of alternate packing of secondary and transport packing for already approved HDPE containers of 50ml, 100ml, 250ml primary packing, 3-ply E-flute carton conforming to IS:2771(I):1990 as a secondary packing and 5-ply CFB Box as transport packing.	442

15	Spinetoram 11.7% SC	M/s Dow AgroScience India (P) Limited	Endorsement of additional packing of 20ml in HDPE container as per IS:9754:1981 as a primary packing, which shall be further packed in CFB box as transport packing.  And  Endorsement of additional transport packing of capacity 3.6 L & 5L.	442
16	Pyroxasulfone 85% w/w WG	M/s PI Industries Limited	Endorsements of additional transport packing for primary packing of 60gm capacity, which shall be further packed in 5-ply CFB box as a transport packing of capacity 2.4kg.	442
17	Spinetoram 11.7% SC	M/s Dow AgroScience India (P) Limited	Endorsement of additional bulk packaging of 200 Liters capacity HDPE drums.	442
18	Bacillus thuringiensis Berliner var. Kurstaki, Serotype 3a3b, SA II WG (Dellifin) Minimum potency of 53000 spodoptera units per milligram and 32000 IU/mg	M/s Margo Biocontrols Private Limited	Endorsement of alternate packing of 200gm in Trilaminated pouch as a primary packing, duplex board carton as a secondary and CFB box as transport packing.	442
19	Transfluthrin 12% AE	M/s Godrej Consumer Products Ltd.	Endorsement for additional packing of in addition to existing approved packaging, as given under  Option 1: Pack of Single bottle (15ml) as primary pack shall be packed in carton. 24 units of secondary pack cartons having dimensions L x W x H- 47 x 47 x 133±3mm, will be packed in corrugated box of specification IS 2771 (Part 1) – 1990 of dimensions L x W x H-308 x 207 x 153±20mm.  Option 2: Pack of Single bottle (15ml) + Dispenser Machine as primary pack shall be packed in carton. 6 units of secondary pack cartons having dimensions L x W x H- 118 x 88 x 181±3mm will be packed in corrugated box of specification IS 2771 (Part 1) – 1990 having dimensions L x W x H- 385 x 195 x 205±20mm  Option 3: Pack of Single bottle (30ml) as primary pack shall be packed in carton. 24 units of secondary pack cartons having dimensions L x W x H- 47 x 47 x 133±3mm will be packed in corrugated box of specification IS 2771 (Part 1) – 1990 having dimensions L x W x H- 308 x 207 x 153±20mm  Option 4: Pack of Single bottle (15ml) + Dispenser Machine as primary pack shall be packed in carton. 6 units of secondary pack cartons having dimensions L x W x H- 118 x 88 x 181±3mm will	442

			be packed in corrugated box of specification IS 2771 (Part 1) – 1990 having dimensions L x W x H- 385 x 195 x 205±20mm	
20	Azoxystrobin 120 g/L + Tebuconazole 240 g/L SC	M/s NACL Industries Limited	Endorsement of additional primary packing of 50, 100 & 250 ml capacity of HDPE container of 50 ml, 100 ml and 250 ml and it will again repacked in inner mono carton (baby carton) as secondary packing and 5ply CFB boxes of capacity of 3, 5 & 10 liter conforming to IS 2771 (Part 1): 1990 as a transport packing.	443
21	Emamcetin benzoate 5% w/w + Lufenuron 40% w/w WG	M/s Syngenta India Limited	Endorsement of additional bulk packing for import of capacity 50kg in Fibre Board Drum with LDPE liner.	443
22	Transfluthrin 1% w/w + Cypermethrin 0.25% w/w Spray	M/s Godrej Consumers Product Limited	Endorsement of :  Option 1: Pack of single bottle (40 ml) as primary pack shall be packed in secondary carton. 96 units of secondary pack shall be packed in corrugated box as per IS 2771 (Part1) – 1990.  Option 2: Pack of single bottle (40 ml) as primary pack shall be shrink sleeved. 96 units of secondary pack shall be packed in corrugated box as per IS 2771 (Part 1) – 1990.  Option 3: Pack of single bottle (50 ml) as primary pack shall be packed in secondary carton. 96 units of secondary pack shall be packed in corrugated box as per IS 2771 (Part1) – 1990.  Option 4: Pack of single bottle (50 ml) as primary pack shall be shrink sleeved. 96 units of secondary pack cartons shall be packed in corrugated box as per IS 2771 (Part 1) –1990.	443
23	Pretilachlor Tec hical 96% w/w min	M/s Willowood Chemicals Pvt. Limited	Endorsement for additional packing of Pretilachlor Technical 96% w/w minimum in 220 kg capacity in closed plastic drum. The packaging system shall be as per IMDG no: 3082, packaging group -III, hazard class 9.	443
24	Hexaconazole 4%+Zineb 68% WP	M/s Indofil Industries Limited	Endorsement for additional packing of capacity 1kg in Trilaminated pouch (PET 12micron/ Alu foil 9micron/ PE 85micron), which shall be further packed in CFB box of capacity 10kg as a transport packing.	443
25	Tricyclazole 18% + Mancozeb 62% WP	M/s Indofil Industries Limited	Endorsement for additional packing of capacity 1kg in Trilaminated pouch (PET 12micron/ Alu foil 9micron/ PE 75micron), which shall be further packed in CFB box of capacity 10kg as a transport packing.	443
26	Transfluthrin 1.6% w/w Liquid Vaporiser	M/s Godrej Consumers Product Limited	Endorsement of additional packing of pack of single refills (45 ml) + machine 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.	443
27	Triflumizole 42.14 % w/w SC	M/s Arysta Life Science India Limited	Endorsement for additional packing in 170ml, 340ml & 680ml HDPE bottles, which shall be further packed in 5-ply CFB box as transport packing.	443
28	Transfluthrin 1.6% w/w LV	M/s Zobebe Group India Pvt. Limited	Endorsement for an additional packing in PET bottle as a primary packing, duplex board carton as a secondary (primary pack + heating device) and 5-ply CFB box as a transport packing.	443

29	Metofluthrin 0.32% w/w Liquid Vaporizer	<b>M/S Godrej Consumer Products Ltd.</b>	Endorsement for additional packing of in addition to existing approved packaging, as given under  Option 1: Pack of single refills (45ml) + machine as primary pack shall be packed in secondary carton. 48 such units of secondary pack cartons will be packed in corrugated box of specification IS 2771 (Part 1) – 1990.  Option 2: Pack of single refills (35ml) + machine as primary pack shall be packed in secondary carton. 48 such units of secondary pack cartons will be packed in corrugated box of specification IS 2771 (Part 1) – 1990.  Option 3: Pack of single refills (20ml) + machine 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.  Option 4: Pack of single refills (20ml) 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.	444
30	Gibberellic acid 0.45% SL	<b>M/s KrishiRasayan Exports Pvt. Limited</b>	Endorsement for additional packing in HDPE bottle of capacities 500ml & 1000ml as a primary packing confirming to IS: 9754: 1981, which shall be further packed in printed mono carton as a secondary packing, and 5-ply CFB box as a transport packing of capacity 10 litre confirming to IS:2771(I):1990 in addition to the existing packing.	444
31	Forchlorofenuron (CPPU) 0.1% Liquid	M/s Omega Fine Chemicals	Endorsement for additional packing in HDPE bottle of capacity 100ml & 250ml as a primary packing, LDPE bag of thickness 0.062mm as secondary and 5-ply CFB box as a transport packing.	444
32	Valifenalate 6% + Mancozeb 60% WG	M/s FMC India Private Limited	Endorsement of additional packing in HDPE container as a primary packing, which shall be further packed in 5-ply CFB box conforming to IS:2771(I):1990 as transport packing.	444
33	Fluopyram 34.48% w/w SC	M/s Bayer CropScience Limited	Endorsement of secondary packing for already approved HDPE Co-extrude containers of 100ml, 250ml, 500ml and 1000ml. And Endorsement of bulk packing of capacity 200 liters in Mild Steel (MS) composite drum with HDPE liner. And Endorsement of bulk packing of capacity 1000 liters in Intermediate Bulk Container (IBC) made up of HDPE.	444
34	Imidacloprid 2.15% Gel	M/s Bayer CropScience Limited	(A) Endorsement of additional import packing.And (B) Endorsement of additional repacking system for import packing of 10gm primary packing.And (C ) Endorsement of additional transport packing of existing repacking.	444

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

<b>Sl. No</b>	<b>Company Name</b>	<b>Product</b>	<b>Proposed Shelf Life Enhancement</b>	<b>RC No.</b>
1	M/s Advance Agrolife Private Ltd	Diuron 80% WP	One year to two years	444
2	M/s Advance Agrolife Private Ltd	Metalaxyl 8% + Mancozeb 64% WP	One year to two years	444
3	M/s Advance Agrolife Private Ltd	Pendimethalin 38.7% CS	One year to two years	444
4	M/s Advance Agrolife Private Ltd	Malathion 50% EC	One year to one and half years	444
5	M/s Advance Agrolife Private Ltd	Fipronil 4% +Thiamethoxam 4% SC	One and half years to two years	444



**Annexure-7****List of import permit issued for multi-use/dual-use (Non-insecticidal purpose)**

Multi-use insecticides (Boric Acid) 442RC:

<b>Sr. No.</b>	<b>Applicant M/s</b>	<b>The Decision of the Registration Committee</b>
1.	Growmore Ceramics Pvt. Ltd. Kalol	Approved 60 MT Boric Acid for manufacturing of Ceramics Glaze mixture (Glass Frit).

Multi-use insecticides (Boric Acid) 443RC:

<b>Sr. No.</b>	<b>Applicant M/s</b>	<b>The Decision of the Registration Committee</b>
1.	Navin Fluorine International Limited.	Approved 200 MT Boric Acid for manufacturing of Boron Trifluoride Gas and Boron Trifluoride Ethyl Ether Acid.
2.	Shri Balaji Impex.	Approved 60 MT Boric Acid for Ramming mass in order to bind the ramming mass in the steel furnace.

Multi-use insecticides (Other than Boric Acid) 442RC:

<b>Sr. No.</b>	<b>Applicant M/s</b>	<b>The Decision of the Registration Committee</b>
1.	Tagros Chemicals India Pvt. Ltd.	Approved 100 MT Sodium Cyanide for manufacturing of Cypermethrin Technical, Alpha cypermethrin Technical and Deltamethrin Technical.
2.	Hemani Industries Ltd. Dahej	Approved 300 MT Ethylene Di Chloride for manufacturing of Meta Phenoxy Benzaldehyde.
3.	Hemani Industries Ltd. Dahej	Approved 1000 MT Acrylonitrile for manufacturing of DV-Acid Chloride.

4.	Hemani Industries Ltd. Dahej	Approved 1000 MT Sodium Cyanide for manufacturing of Cypermethrin, Alphacypermethrin, Deltamethrin and Lambdacyhalothrin Technical.
5.	Hikal Limited. Panoli	Approved 10 MT Sodium Cyanide for manufacturing of S. Ester.
6.	Hikal Limited.	Approved 150 MT Amitrole (3-Amino1,2,4-triazole) for manufacturing of Ametoctradin
7.	MahavirExpoche m Ltd.	Approved 250 MT Potassium Cyanide for manufacturing of Electroplating Chemicals.
8.	MahavirExpoche m Ltd.	Approved 500 MT Sodium Cyanide for manufacturing of Electroplating Chemicals.
9.	Ideal Dye Chem Industries. Valsad	Approved 25MT Thiourea for manufacturing of 3,3Dichloro Benzidine-2 HCL.
10.	M V Traders. Ghaziabad	Approved 250 MT Ethephone 5%for manufacturing of Ethylene Ripener
11.	Divi's Laboratories Limited. Hyderabad.	Approved 100 MT Sodium Cyanide for manufacturing of SIGMA-I with ISA & ISB(Dextromethorphan HBR Intermediates) & Dextromethorphan HBR.
12.	Navin Fluorine International Limited.	Approved 20 MT 2,6- Dichlorobenzonitrile for manufacturing of 2-Fluoro-6-Hydroxybenzoic Acid.
13.	PI Industries Limited. Panoli	Approved 90 MT Thiourea for manufacturing of Puroxasulfone Technical.
14.	PI Industries Limited. Panoli	Approved 45 MT 2-(2,4-Dichloro Phenoxy) Propionic Acid for manufacturing of Fenoxanil Technical.
15.	M M Traders.	Approved 250 MT Ethephone 5% Subject to submission of the recommendation letter from nodal agency for manufacturing of Ethylene Ripener
16.	Gold Ripe International Pvt. Ltd.	Approved 200 MT EtheleneRipener for production of small pouches of Ethylene Ripener.

Multi-useinsecticides(OtherthanBoricAcid)443RC:

Sr. No.	ApplicantsM/s	Decision of the Registration
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		<b>Committee</b>
1.	Godrej Agrovet Ltd.	Approved 40 MT 2, 6, DichloroBenzonitrile (DCBN) for manufacturing of Pyrethrin Sodium Technical

## Multi-use insecticides (Other than Boric Acid) 444RC:

Sr. No.	<b>Applicants M/s</b>	<b>Decision of the Registration Committee</b>
1.	M. B. Sales Corporation. Mumbai	Approved 500 MT Sodium Cyanide for Trading purpose.
2.	Chemtech Intermediates Pvt. Ltd., Gujarat.	Approved 100 MT Sodium Cyanide for manufacturing of Phenyl Acetonitrile & Phenyl Acetic Acid.
3.	Sarna Chemicals Pvt. Ltd., Gujarat.	Approved 500 MT Mono Nitro Benzene for manufacturing of Meta Chloro Aniline (MCA) & Meta Nitro Chloro Benzene (MNCB).
4.	Sandhya Organic Chemicals Private Limited.	Approved 2000 MT Yellow Phosphorus for manufacturing of Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> .)
5.	Sandhya Organic Chemicals Private Limited.	Approved 500 MT Yellow Phosphorus for manufacturing of Aluminum Phosphide and Zinc Phosphide.
6.	Sandhya Organic Chemicals Private Limited.	Approved 2000 MT Yellow Phosphorus for manufacturing of Phosphorus Trichloride (PCl <sub>3</sub> ).
7.	Grauer & Weil (India) Ltd. Mumbai.	Approved 10 MT Sodium Cyanide for manufacturing of Acetonitrile & Phenyl Acetic Acid.

**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 formulation.**

S. No.	RC No.	File No.	Company Name	Product Name	Crop	Waiting Period (Days)
1.	442	149242-F/9(3)/2020-CIR-II	M/s. GSP Crop Science Pvt. Ltd.,	Pyraclostrobin 3.5% + Thiram 15% + Clothianidin 22.5% FS	Groundnut	Not applicable for seed treatment
2.	442	7891-FI	M/s. Dow Agro Science India Pvt. Ltd.,	Sulfoxaflor 11.4%	Wheat	-
3.	442	13197-TI/9(3)/2020	M/s. Syngenta India Limited	Isocycloseram Technical (Purity 96% min)	-	-
4.	442	12608-F/9(3)/2020-CIR-II	M/s. PI Industries Ltd.,	Dinotefuran 5% + Ethion 50% EC	Paddy	33
5.	442	14661-TIM/9(3)/2021-CIR-II	M/s. Tagros Chemicals India Limited.	Chlorantraniliprole Technical 95.00% w/w min	-	-
6.	442	14150-F/9(3)/2019-CIR-II	M/s. Syngenta India Limited	Isocycloseram 9.20% DC (10.0% w/v)	Brinjal	5
					Cabbage	10
					Chilli	7
					Cotton	37
					Groundnut	48
					Red gram	58
					Soybean	35
7.	442	8835-TIM-9(3)-2017-CIR-II	M/s. Synergia Science Pvt. Ltd.,	Imiprothrin 50% MUP	-	-

8.	442	13395-F/9(3)/2020-CIR-II	M/s. Insecticide India Limited	Thiamethoxam 0.4% + Bifenthrin 0.8% GR	Groundnut	105
9.	442	14152-TIM/9(3)/2020-CIR-II	M/s. ADAMA India Pvt. Ltd.,	Chlorantraniliprole 96% w/w Min	-	-
10.	442	133498-F/9(3)/2019-CIR-II	M/s. ADAMA India Pvt. Ltd.,	Copper SulphatePenta hydrate 6% w/v SC	Rice	21
					Pomegranate	33
					Grapes	45
11.	442	156803-F/9(3)-2020	M/s. UPL limited	Mancozeb 60% + Pyraclostrobin 5% WG	Cotton	42
					Tomato	10
					Black gram	25
					Apple	44
12.	442	CSN No. 129018 TI New Source	Mahamaya Lifesciences Pvt. Ltd.	Bispyribac sodium technical 98% w/w min	-	-
13.	442	CSN No. 120648 FI	Sumitomo Chemicals India Pvt. Ltd	Gibberellic acid 1.8% + 6-Benzyl Adenine 1.8% L	Apple	NA
14.	442	119107 TIM vs TI	Meghmani Industries Ltd	Sulfentrazone technical 91% min	-	-
15.	442	156614 FIM	Godrej Agrovet Ltd	Pyrithiobac sodium 3.1% + Pendimethalin 34.0% w/w ZC	Cotton	152
16.	442	128969 TIM	Tagros Chemicals India Pvt. Ltd	Carfentrazone-ethyl technical 94% w/w min	-	-
17.	442	177992 FI	BASF India Ltd	Quinclorac 250 g/l SC	Transplanted rice	78
18.	442	183428 TIM	UPL Ltd	Pyroxasulfone technical 98.3% w/s min	-	-

19.	442	154174 FIM	UPL Ltd	Glufosinate ammonium 13.4% + Oxyfluorfen 4.8% w/w EW	Tea	10
20.	442	140160 FIM	UPL Ltd	Clodinafop-propargyl 12.25 % + Oxyfluorfen 14.7 % EC	Onion	55
21.	442	130589 TI	BASF India Ltd	Bentazone 640 g/l (64% w/v) MUP	-	-
22.	442	129789 FIM	FMC India Pvt. Ltd	Fluthiacet-methyl 2.5 % + Quizalofop-ethyl 10 % EC	Soybean	67
23.	442	19-54/2022-CIR-1	Atul Ltd	2,4-D Amine salt 58% WSC	Tea	-
24.	443	2792-TIM/9(3B)-2020-CIR-II	M/s. Balmer Lawrie & Co. Ltd.,	Petroleum derived spray oil (PDSO)	Apple	-
25.	443	11726-TIM/9(3)/2019-CIR -II	M/s. Mitsui Chemicals India Pvt. Ltd.,	Dinotefuran Technical 99.1% w/w min	-	-
26.	443	6928-FI/9(3)-2015-CIR-II	M/s. Dow Agro Science India Pvt. Ltd.,	Spinetoram 5.66% + Methoxyfenozide 28.3% SC	Rice	26
					Cabbage	10
					Cauliflower	10
					Black gram	21
27.	443	146859-F/9(3)/2020-CIR II	M/s. Gharda Chemicals Limited	Azoxystrobin 10% + Fipronil 5% w/v SC	Rice	53
					Chilli	05
28.	443	10853-F/9(3)/2019-CIR-II	M/s. Gharda Chemicals Limited	Indoxacarb 10.0% + Thiamethoxam 10.0% w/w WG	Paddy	14
					Tomato	05

29.	443	9643-F/9(3)/2018-CIR-II	M/s. ISK Bioscience India Pvt. Ltd.,	Cyclaniliprole 100 DC	Rice	40
30.	443	11607-F/9(3)-2019-CIR-II	M/s. CortevaAgriscience India Pvt. Ltd.,	Triflumezopyrim 20% w/w WG	Paddy	21
31.	443	9352-F/9(3)-2018-CIR-II	M/s. Pest Control India Pvt. Ltd.,	Diflubenziuron 0.1% w/w	Termite Bait	-
32.	443	13209-TIM/9(3)-2020-CIR-II	M/s. PI Industries Limited	Flubendiamide Technical 95% w/w min	-	-
33.	443	13515-F/9(3)/2021-CIR-II	M/s. UPL Limited	Acetamiprid 25% + Bifenthrin 25% WG	Cotton	33
					Soybean	28
34.	443	13287-F/9(3)/2020-CIR-II	M/s. Synergia Science Pvt. Ltd.,	Isocycloseram 18.1% W/W SC	Rice	29
					Maize	48
35.	443	13498-TIM/9(3)/2021-CIR-II	Cheminova India Ltd.,	Chlorantraniliprole Technical 93% min	-	-
36.	443	12167-TI-9(3)/2020-CIR-II	M/s. Syngenta India Limited	Pymetrozine Technical 98% w/w min	-	-
37.	443	12760-F/9(3)/2020-CIR-II	M/s. PI Industries Limited	Dinotefuran 70% WG	Cotton	17
					Brinjal	07
					Rice	32
38.	443	138859 TIM vs TI	Natco Pharma Ltd	Pinoxaden technical 95.0% w/w min	-	
39.	443	110169 FIM	Dow Agro Science India Pvt. Ltd	Florpyrauxifen benzyl 2.13% + Cyhalofop butyl 10.64% EC	Transplanted Rice, Direct Seeded Rice	67 , 92

40.	443	96903 FIM	Dow Agro Science India Pvt. Ltd	Florpyrauxifen- benzyl 2.7% EC	Transplanted Rice, Direct Seeded Rice	73, 85
41.	443	124612 FIM	Insecticides India Ltd	Glyphosate potassium salt 41.60% (equivalent to 54% SL w/v)	Non crop area	-
42.	443	135887 FIM	UPL Ltd	Clodinafoppropargyl 12.5% EC	Green gram	75
43.	443	154324 TIM vs TI	Best Crop Science LLP	Propaquizafop Technical 91.0% w/w min.	-	
44.	443	157744 TIM vs FI	Best Crop Science LLP	Cyhalofop butyl technical 96% w/w min	-	
45.	443	150454 FIM	UPL Ltd	Fomesafen 17.5% + Clodinafop- propargyl 12.5% ME	Green gram, Soybean	83, 101
46.	443	138845 FIM	Atul Ltd	2,4-D sodium salt 48% + Metribuzin 32% + Chlorimuron ethyl 0.85% WDG	Sugarcane	280 - 315
47.	443	154647 TIM vs TI	Parijat Industries (India) Pvt. Ltd.	Mesotrione technical 98.00%. w/w min	-	-
48.	444	2810-F9(3B)- 2021-CIR-II	M/s. VKA Polymers	Alphacypermthrin incorporated 0.58 LLIN	-	-
49.	444	12761-F/9(3)- 2020 CIR-II	M/s. Godrej Consumer Products Limited	Transfluthrin 0.15% Mosquito Coil	-	-
50.	444	13468-F/9(3)- 2020-CIR II	M/s. Gharda Chemicals Limited	Pyraclostrobin 10% + Fipronil 5% SC	Rice	53
					Chilli	7
51.	444	11728-F/9(3)- 2019-CIR-II	M/s. ADAMA India Pvt. Ltd.,	Cartab Hydrochloride 25% + Emamectin	Rice	38
					Brinjal	07
					Tomato	10



				benzoate 1.0% w/w SG		
52.	444	10974- F/9(3)/2019	Sulphur Mills Ltd.	Metribuzin 70% WG	Sugarcane	NA
53.	444	111460 FIM	ADAMA India Pvt. Ltd.	Diuron 25.6% + Glyphosate 14.9% + Oxyfluorfen 11.5% SC	Non crop	-
54.	444	12083/F/2020	Insecticide India Ltd.	Pendimethalin 24% + Oxyfluorfen 4.1% ZE	RC deliberated the agenda and rejected as the ATR is non- satisfactory	90
55.	444	177619 FIM	Parijat Industries (India) Pvt. Ltd.	Oxadiazyl 1% + Pretilachlor 6% GR	Transplanted Paddy	85
<b>9(3) label Expansion</b>						
56.	442	140 997- END/2020	M/s Syngenta India Limited	Azoxystrobin 18.2% w/w + Difenoconazole 11.4 % w/w SC	Ground nut	46
					Black gram	23
					Soybean	16
57.	442	40933- END/2022	M/s Syngenta India Limited	Chlorothalonil 40% w/w +Difenoconazole 4% w/w SC	Tomato	7
					Chilli	7
58.	442	41281- END/2022	M/s Syngenta India Limited	Metalaxyl-M 3.3% w/w + Chlorothalonil 33.1% w/w SC	Potato	34
59.	442	127285-End- 2019	M/s Bayer Crop Science Limited	Fosetyl-AL 80% WP	Tomato seedlings	-

60.	442	132963- END/2019	M/s Bayer CropScience Limited	Iprovalicarb 5.5% + Propineb 61.25% WP	Tomato	05
61.	442	141668-End- 2020	M/s Bayer Crop Science Limited	Tebuconazole 38.39% w/w SC	Chilli	05
62.	442	199617- END/2022	M/s PI Industries Limited	Polyoxin D Zinc Salt 5% w/w SC	Chilli	-
63.	442	41128- END/2022	M/s Syngenta India Limited	Azoxystrobin 18.2% + Cyproconazole 7.3% w/w SC	Wheat	50
64.	442	40900- END/2022	M/s Syngenta India Limited	Azoxystrobin 23% SC	Chilli	05
65.	442	145559- END/2020	M/s BASF India Ltd	Fluxapyroxad 75 g/l + Difenoconazole 50% g/l SC	Chilli	5
66.	442	142952-END- 2020	M/s BASF India Ltd	Metiram 44% + Dimethomorph 9% WG	cucumber	24
67.	442	137238- END/2019	M/S Bayer Crop Science Ltd.	Tebuconazole 38.39% w/w SC	Grape	60
					Onion	43
68.	442	142345- END/2020	M/s Bayer Crop Science Limited	Tebuconazole 38.39% w/w SC	Tomato	5
69.	442	160663- END/2020	M/S DhanukaAgritech Limited	Cyflufenamid 5% EW	Black gram	24
70.	442	154425- END/2020	M/s Syngenta India Ltd.	Chlorothalonil 40% w/w + Difenoconazole 4% w/w SC	Groundnut	47
					Apple	10
71.	442	154166- END/2020	M/s BASF	Metrafenone 500 g/l	chilli	10
72.	442	18-08/2021	M/s. JU Agri Science	Imazethapyr 10% SL	Wheat	-
73.	443	8395-END- 2017-CIR-II	M/s. Bayer Crop Science Limited	Spirotetramat 15.31% w/w OD	Cotton	52

74.	443	11866-END-2020-CIR-II	M/s. SolinnosAgrosciences Pvt. Ltd.,	Broflanilide 20% SC	Maize	29
75.	443	9820-END-2018-CIR-II	M/s. Sumitomo Chemical India Pvt. Ltd.,	Etoxazole 10% SC	Apple	05
76.	443	EN-41496-CIR-II	Best Crop Science Pvt. Ltd.,	Pyriproxyfen 8% + Dinotefuran 5% + Diafenthiuron 18% SC	Cotton	48
77.	443	13823-END-2021-CIR - II	M/s. Syngenta India Ltd.,	Lambda cyhalothrin 4.6% + Chlorantraniliprole 9.3% ZC	Grape	10
78.	443	13525-END-2021-CIR-II	M/s. Syngenta India Ltd.,	Thiamethoxam 12.6% + Lambda cyhalothrin 9.5% ZC	Citrus	10
79.	443	12422-END-2020-CIR II	M/s. Crystal Crop Pvt. Ltd.,	Thiamethoxam 0.9% + Fipronil 0.2% w/w G	Sugarcane	96
80.	443	11605-END-2019	M/s. Dow Agro Science India Pvt. Ltd.,	Spineotram 11.7% w/w SC	Maize	32
81.	443	10849-END-2019-CIR-II	M/s. Syngenta India Ltd.,	Chlorantraniliprole 4.3% w/w + Abamectin 1.7% w/w SC	Tomato	05
82.	443	11995-END-2020-CIR-II	M/s. FMC India Pvt. Ltd.,	Chlorantraniliprole 18.5% w/w SC	Green gram	14
83.	443	EN-41880-CIR-II	M/s. UPL Limited	Flupyramin 10.0% SC	Rice	Drone based application
84.	443	EN-40141-CIR-II	M/s. FMC India Pvt. Ltd.,	Chlorantraniliprole 18.5% w/w SC	Rice	Drone based application
85.	443	EN-40139-CIR-II	M/s. FMC india Pvt. Ltd.,	Cyantraniliprole 10.26% w/w OD	Chilli	Drone based application
					Cotton	
86.					Citrus	51

	443	143601- END/2020	M/s Syngenta India Limited	Metalaxyl-M 3.3% + Chlorothalonil 33.1% SC	Ginger	193
87.	443	153618- END/2020	M/s Bayer CropScience Limited	Tebuconazole 38.39% w/w SC	Coffee	26
88.	443	161826- END/2021	M/S Syngenta India Ltd.	Propiconazole 13.9% w/w + Difenoconazole 13.9% w/w EC	Black gram	28
					Soybean	30
					Mango	10
89.	443	125980	UPL Ltd	Sodium Acifluorfen 16.5% + Clodinafop- Propargyl 8% EC	Black gram, Green gram, Groundnut	54, 38, 88, respectively
90.	444	162918- END/2021	M/s Sulphur mills Limited	Sulphur 80% WG	Chilli	10
91.	444	42486- END/2023	M/s UPL Ltd	Carbendazim 12% + Mancozeb 63% WP	Paddy	57
					Chilli	03
92.	444	42486- END/2023	M/s UPL Ltd	Azoxystrobin 8.3% + Mancozeb 66.7% WG	Chilli	07
93.	444	41929- END/2022	M/s BASF India Ltd	Pyraclostrobin 133 g/l + Epoconazole 50 g/l SE	Wheat	47
94.	444	194214-CIR- II	M/s. UPL Limited	Acephate 50% + Imidacloprid 1.8% SP	Chilli	03
95.	444	CSN No. EN-41620	Bayer Crop Science Ltd.	Ethephon 39%SL	Grapes	-
96.	444	CSN No. EN-41122	Syngenta India Limited	Pinoxaden 5.1% EC	Wheat	90
97.	444	CSN No. 195999	Insecticide India Ltd	Quizalofop ethyl 7.5% + Imazethapyr 15% EC	Soybean	75
98.	444	CSN No. 130670	Dow AgroSciences India Pvt. Ltd.	Penoxsulam 21.7% SC	Rice (Nursery)	24

**Annexure - 11****New molecules for Inclusion in the Schedule to the Insecticides Act 1968**

S. No.	Application No./ Name of the Applicant	CAS No/ Common Name/ IUPAC Name	Bio-efficacy	Toxicity	Remarks (Decision of the Board)
1.	INC-10006/ Inclusion in Schedule  M/s Indofil Industries Limited & INC-10022/ Inclusion in Schedule  M/s PI Industries Ltd.	1220411-29-9/  Tiafenacil/  Methyl 3-[2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)pyrimidin-1-yl]phenyl]sulfanylpropanoylamino]propanoate	Tiafenacil is a non-selective postemergence herbicide used for controlling broadleaves and grasses	Acute oral: LD50 (rat) >2000 mg/kg Acute dermal: LD50 (Rats) >2000 mg/kg  Primary skin Irritation: Not – irritating  Minimally irritating to eyes Acute oral LC50 (Bobwhite quail) >5620 mg/kg bw/day Acute fish (Common carp): LC <sub>50</sub> (96hr) >80 mg/L Acute fish (Rainbow trout): LC <sub>50</sub> (96hr) >79 mg/L Acute Daphnia (Daphnia): EC50 (48hr) >80 mg/L Acute Duckweed (Duckweed): ErC50 (7d) = 13 µg/L (frond number) Acute (Earthworm): LC <sub>50</sub> (14d) >1,000 mg/kg dry soil Acute contact (Honeybee): LD <sub>50</sub> >100.5 µg/L	Approved
2.	INC-10007/ Inclusion in Schedule  M/s Indofil Industries Limited	10519-33-2/  3-Decen-2-one/  (E)-dec-3-en-2-one	Used as biochemical pesticide active ingredient intended for postharvest use on stored potatoes as a sprout inhibitor. 3-decen-2-one is a naturally occurring biochemical substance that functions as a plant growth regulator, affecting plant growth by increasing tuber respiration.	Acute oral: LD50 (rat) >5000 mg/kg Acute dermal: LD50 (Rats) >5000 mg/kg Non-irritant to eye & Irritant to skin Not a contact sensitizer Fish LC <sub>50</sub> : 1.5 mg/l (96 hrs.rainbow trout) Relevant inhalation NOAEC 139 µg/L (7-day rat study) Non genotoxic Developmental NOAEL 1000 mg/kg Does not possess neurotoxicity mode of action	Approved

3.	INC-10008/ Inclusion in Schedule  M/s Biopesticide Hindustan Pvt Ltd.	Bacteriophages (virus)/ NA		No data required	Approved
4.	INC-10009/ Inclusion in Schedule  M/s P I Industries Ltd	957144-77-3 Dichlobentiazox  3-[(3,4-dichloro- 1,2-thiazol-5- yl)methoxy]-1,2- benzothiazole 1,1- dioxide	Used as Fungicide in: Rice against Rice blast, brown spot, bacterial leaf blight and bacterial grain rot.	Acute oral: LD50 (rat) >2000 mg/kg Acute dermal: LD50 (Rats) >2000 mg/kg  Skin irritation: Non-irritant to rabbit skin Eye irritation: Non-irritant to rabbit eyes Skin sensitization Category 1 Toxicity in Fish (carp) 96h LC <sub>50</sub> >0.12 mg/L Acute toxicity in HoneyBee (oral) 48h LC <sub>50</sub> >100 µg/bee Acute toxicity in HoneyBee (contact) 48h LC <sub>50</sub> >100 µg/bee Acute toxicity in Earthworm 14days LC <sub>50</sub> >1000 ppm Acute toxicity in Bird (bobwhite quail) LD <sub>50</sub> >2000 mg/kg 90-day subacute toxicity study (Rats): NOAEL (mg/kg bw/day): Males-22, Females: 74; LOAEL (mg/kg bw/day): Males-65, Females: 263 90-day subacute toxicity study (Dog): NOAEL: 10 mg/kg bw/day; LOAEL: 70 mg/kg bw/day Two-year combined chronic toxicity /carcinogenicity study: NOAEL (mg/kg bw/day): Males-5.03, Females: 7.01; LOAEL (mg/kg bw/day): Males-65, Females: 263/	Approved

5.	INC-10010/ Inclusion in Schedule  M/s UPL Limited	126833-17-8  Fenhexamid  N-(2,3-dichloro-4-hydroxyphenyl)-1-methylcyclohexan e-1-carboxamide	Used as Fungicide for control of Botrytis diseases on grapes, greenhouse tomatoes, ornamentals and berry crops, including blackberries, blueberries, currants, loganberries, raspberries and strawberries; and Monilinia brown rot on cherries, peaches and nectarines.	Acute Oral – Rats: M: LD <sub>50</sub> >5000 mg/kg F: LD <sub>50</sub> >5000 mg/kg Acute Dermal – Rats M: LD <sub>50</sub> >5000 mg/kg F: LD <sub>50</sub> >5000 mg/kg Acute Inhalation – Rats (Dust): M: LC <sub>50</sub> >5.057 mg/L F: LC <sub>50</sub> >5.057 mg/L Primary Eye Irritation - Rabbits: Not an eye irritant Primary Skin Irritation - Rabbits Not a dermal irritant Dermal Sensitization - Guinea Pigs Not a dermal sensitizer	Approved
6.	INC-10011/ Inclusion in Schedule  M/s UPL Limited	112-05-0  Pelargonic acid/  nonanoic acid	Used as herbicide to prevent growth of weeds both indoors and outdoors, and as a blossom thinner for apple and pear trees.	Oral Acute oral LD <sub>50</sub> for rats and mice >5000 mg/kg. Skin and eye Acute percutaneous LD <sub>50</sub> for rats >2000 mg/kg. Skin and eye irritant. Inhalation LC <sub>50</sub> (4 h) for rats >5.29 mg/l. The available toxicity studies indicated that Pelargonic acid is unlikely to be genotoxic and is of low acute and short-term oral (NOAEL ≥ 1,000 mg/kg body weight (bw) per day) toxicity to rats	Approved
7.	INC-10012/ Inclusion in Schedule  M/s UPL Limited	220899-03-6  Metrafenone  (3-bromo-6-methoxy-2-methylphenyl)-(2,3,4-trimethoxy-6-methylphenyl)met hanone	Metrafenone is a benzophenone fungicide with protectant and curative properties intended for the control of powdery mildew produced by Uncinulanecator in all commercial varieties of grape vines	Acute oral toxicity: LD <sub>50</sub> > 5,000 mg/kg bw Acute dermal toxicity: LD <sub>50</sub> > 5,000 mg/kg bw Acute inhalation toxicity: LD <sub>50</sub> > 5 mg/L Skin irritation: Not irritating Eye irritation: Not irritating Skin sensitization Maximization test: Not sensitizing	Approved

8.	<p>INC-10014/ Inclusion in Schedule</p> <p>M/s Bharat CertisAgriSc ience Limited &amp; INC-10026/ Inclusion in Schedule</p> <p>M/s Bharat CertisAgriSc ience Limited</p>	<p>9050-36-6 Maltodextrin</p> <p>(2R,3S,4R,5R)- 2,3,4,5,6- pentahydroxyhexa nal</p>	<p>Used as a horticultural insecticide both in the field and in greenhouses. Its efficacy is based upon spraying a dilute solution upon the pest insects, where upon the solution dries, blocks the insects' spiracles and causes death by asphyxiation</p>	<p>Acute oral toxicity: LD<sub>50</sub>&gt;2,000 mg/kg bw Acute dermal toxicity: LD<sub>50</sub>&gt;2500 mg/kg bw Skin irritation: Not irritating Eye irritation: Not irritating Skin sensitization Maximization test: Not sensitizing</p>	Approved
9.	<p>INC-10015/ Inclusion in Schedule</p> <p>M/s Syngenta India Private Limited &amp; INC-10017/ Inclusion in Schedule</p> <p>M/s UPL Limited</p>	<p>352010-68-5 Bicyclopyrone</p> <p>(1R,5S)-3- [hydroxy-[2-(2- methoxyethoxym ethyl)-6- (trifluoromethyl) pyridin-3- yl]methylidene]bi cyclo[3.2.1]octan e-2,4-dione</p>	<p>Member of the class of pyridines.</p> <p>Used as herbicide for control in corn and sugarcane.</p>	<p>Acute Oral Toxicity - Rat: LD<sub>50</sub>: &gt;5000mg/kg</p> <p>Acute Dermal Toxicity - Rat: LD<sub>50</sub>: &gt;5000mg/kg</p> <p>Inhalation Toxicity LC 50 : LC<sub>50</sub>&gt;5.21 mg/L</p>	Approved
10.	<p>INC-10016/ Inclusion in Schedule</p> <p>M/s Bayer CropScience Limited</p>	<p>224049-04-1 Isotianil</p> <p>3,4-dichloro-N- (2-cyanophenyl)- 1,2-thiazole-5- carboxamide</p>	<p>Used as fungicide for the control of rice blast in rice.</p>	<p>Acute oral: LD50 (rat) &gt;2000 mg/kg Acute dermal: LD50 (Rats) &gt;2000 mg/kg Acute inhalation LC<sub>50</sub>(Rats) &gt;5000 mg/L Acute toxicity in HoneyBee (oral) 48h LC<sub>50</sub>&gt;108µg/bee Acute toxicity in HoneyBee (contact) 48h LC<sub>50</sub>&gt;100 µg/bee Acute toxicity in Bird (bobwhite quail) LD<sub>50</sub>&gt;2250 mg/kg</p>	Approved



11.	INC-10018/ Inclusion in Schedule  M/s UPL Limited	365400-11-9  Pyrasulfotole  2,5-dimethyl-4- [2- methylsulfonyl-4- (trifluoromethyl)benzoyl]-1H- pyrazol-3-one	Pyrasulfotole is dioxigenase (HPPD) inhibitor, which is a new mode of action for small grains. It provides control of redroot pigweed, common lambs quarters, wild buckwheat	Oral Acute oral LD <sub>50</sub> for rats >2000 mg/kg. Skin and eye Acute percutaneous LD <sub>50</sub> for rats >2000 mg/kg. Not a skin irritant; mild eye irritant (rabbits). Not a skin sensitizer (guinea pigs). Inhalation LC <sub>50</sub> (4 h) >5.03 mg/l air. NOEL NOAEL for rats 25 ppm (1 mg/kg b.w. daily, for male rats), based on chronic toxicity/carcinogenicity study.	Approved
12.	INC-10019/ Inclusion in Schedule  M/s UPL Limited	173159-57-4  Foramsulfuron  2-[(4,6-dimethoxypyrimidin-2-yl)carbamoylsulfamoyl]-4-formamido-N,N-dimethylbenzamide	A selective post-emergence herbicide for broad-leaved weeds, perennial rye grass (Lolium perenne), winter grass (Poa annua), crowfoot grass (Eleusine indica) in corn.	Oral Acute oral LD <sub>50</sub> for rats >5000 mg/kg. Skin and eye Acute percutaneous LD <sub>50</sub> for rats >2000 mg/kg. Non-irritating to skin; mildly irritating to eyes (rabbits). Not a skin sensitizer (guinea pigs). Inhalation LC <sub>50</sub> (4h) for rats >5.04 mg/l. NOEL NOAEL (2 y) for rats 200000 ppm diet (male rats 849, female rats 1135 mg/kg b.w. daily); (18 mo) for male mice 8000 ppm diet (1115 mg/kg b.w. daily). NOEL (maternal toxicity) for rabbits: 50 mg/kg b.w. daily.	Approved
13.	INC-10020/ Inclusion in Schedule  M/s UPL Limited	298-14-6  Potassium bicarbonate  Potassium; hydrogen carbonate	Used as a biological, residue-free fungicide in fruit growing, vegetable growing, viticulture, as well as for ornamental plants.	Acute oral toxicity in rat LD <sub>50</sub> (mg/kg) > 2064 Acute dermal toxicity in rat LD <sub>50</sub> (mg/kg body weight): 2000 Acute inhalation toxicity in rat LC <sub>50</sub> (mg/l): > 4.88	Not Approved

14.	INC-10021/Inclusion in Schedule M/s PI Industries Ltd.	1263629-39-5 Dicloromezotiaz 1-[(2-chloro-1,3-thiazol-5-yl)methyl]-3-(3,5-dichlorophenyl)-9-methyl-4-oxopyrido[1,2-a]pyrimidin-1-ium-2-olate	Mesoionic insecticide Used as insecticide in: Rice against Rice hopper.	Acute Oral Toxicity (female rat) LD <sub>50</sub> >5000 mg/kg Acute Dermal Toxicity (rat) LD <sub>50</sub> >5000 mg/kg Acute Inhalation Toxicity (rat) LC <sub>50</sub> >5.13 mg/L Skin irritation: Non-irritant to rabbit skin Eye irritation: Non-irritant to rabbit eyes Skin sensitization Category 1 Toxicity in Fish (Rainbow trout) 96h LC <sub>50</sub> >34 µg/L	Approved
15.	INC-10024/Inclusion in Schedule M/s Hikal Limited	376645-78-2 Tebufloquin 6-tert-butyl-8-fluoro-2,3-dimethylquinolin-4-yl) acetate	A quinoline fungicide with protective and curative action used mainly on paddy rice.	Acute oral toxicity in rat: LD <sub>50</sub> > 5000 mg/kg	Deffered for the want of sufficient Toxicity Data
16.	INC-10025/Inclusion in Schedule M/s Cropnosys India Pvt. Ltd.	137641-05-5 Picolinafen N-(4-fluorophenyl)-6-[3-(trifluoromethyl)phenoxy]pyridine-2-carboxamide	A carotenoid biosynthesis inhibitor, it is used as a herbicide for the control of broad-leaved weeds in cereal crops.	Acute oral toxicity in rat: LD <sub>50</sub> > 5,000 mg/kg Acute dermal toxicity in rat: LD <sub>50</sub> > 4,000 mg/kg Acute inhalation toxicity in rat: LC <sub>50</sub> > 5.9 mg/l 4 h Primary Skin irritation: Not irritating Eye irritation: Not irritating Skin sensitization: Non-sensitizing Acute toxicity to fish: LC <sub>50</sub> (96 h) > 0.68 mg/l	Approved