

First registration of pesticide active ingredients

No.	TGAI	First registration	Probably TGAI data holder	Use
1	(3Z,6Z,9S,10R)-cis-9,10-epoxy-3,6-hexadien	4-Jun-09	Syngenta Japan K.K.	fungicide
2	(E)-3-tetradecenyl=acetate	28-Nov-07	Syngenta Japan K.K.	fungicide
3	(E)-9,11-dodecadienyl=butylate	29-Aug-83	NODA SHOKUKIN KOGYO CO.,LTD.	fungicide
4	(E,Z)-4,6-hexadecadienyl=acetate	14-Sep-15	Sumitomo Chemical Co.,Ltd.	fungicide
5	(E,Z)-octadecane-2,13-dienyl=acetate	1-Apr-91	Dow AgroSciences Japan Company	herbicide
6	(RS)-2-butanol	21-Mar-12	Shin-Etsu Chemical Industries Co.,Ltd.	Others
7	(z)-10-tetradecenyl=acetate	13-Jan-00	Dow AgroSciences Japan Company	herbicide
8	(z)-11-hexadecenyl	15-Jan-14	SUMIKA TECHNOSERVICE CORPORATION	Insecticide
9	(z)-11-tetradecenyl=acetate	28-Nov-95	Nippon Soda Co.,Ltd.	Insecticide
10	(z)-13-icocen-10-on	11-Jun-08	Sumitomo Chemical Co.,Ltd.	Insecticide
11	(z)-3-hexadecenyl=acetate	25-Apr-96	BASF Japan Ltd	Insecticide
12	(z)-8-docenyl=aceate	22-Nov-17	Buckman Laboratories, K.K.	Insecticide
13	(z)-9-hexadecenal	26-Aug-69	Sankei Chemical Co.,Ltd.	Others
14	(Z,E)-9,11-tetradecadienyl=acetate	28-Oct-86	Syngenta Japan K.K.	fungicide
15	(Z,E)-9,12-tetradecadienyl=acetate	7-Aug-81	Kumiai Chemical Industry Co.,Ltd.	fungicide
16	1-methylcyclopropene	29-Mar-83	Sumitomo Chemical Co.,Ltd.	Insecticide

17	1-Naphthaleneacetamide	22-Jan-19	Kyoyu Agri. Co.,Ltd.	Insecticide
18	1-Naphthaleneacetic acid sodium	25-Nov-15	Bayer CropScience Co. Ltd.	herbicide
19	2,4-D-Na	31-Jan-90	Syngenta Japan K.K.	Others
20	2,4-PA Dimethylamine	16-Nov-89	Nissan Chemical Corporation	herbicide
21	2,4-PA ethyl	27-May-64	Dow AgroSciences Japan Company	Insecticide
22	4-(4-acetoxyphenyl)-2-butanon	5-Dec-50	Tanaka Sekkai Kogyo Co.,Ltd.	Others
23	4-CPA	8-Jun-59	Sankei Chemical Co.,Ltd.	Insecticide
24	Abamectin	7-Mar-70	Nihon Nohyaku Co., Ltd.	herbicide
25	acephate	26-Aug-69	MITSUI CHEMICALS AGRO, INC	fungicide
26	acequinocyl	17-Aug-00	Nissan Chemical Corporation	Insecticide
27	acetamiprid	28-Mar-87	OAT Agrio Co., Ltd.	PGR
28	Acibenzolar-S-methyl	6-Feb-13	Syngenta Japan K.K.	Insecticide
29	ACN	21-Apr-62	Nissan Chemical Corporation	Insecticide
30	acrinathrin	23-Jan-08	UPL JAPAN LLC	herbicide
31	Acynonapyr	25-Oct-88	Bayer CropScience Co. Ltd.	Insecticide
32	alachlor	31-Mar-90	FMC Chemicals Co., Ltd.	fungicide

33	alanycarb	5-Aug-81	Dow AgroSciences Japan Company	herbicide
34	aliphatic acid glyceride (insecticide)	11-Apr-03	Zeon Corporation	PGR
35	aliphatic acid glyceride (spreader)	18-May-67	Sumitomo Chemical Co.,Ltd.	Insecticide
36	alkylbenzene sulfonic acid sodium salt	21-Nov-94	Kumiai Chemical Industry Co.,Ltd.	PGR
37	allethrin	24-Aug-99	Bayer CropScience Co. Ltd.	fungicide
38	Aluminium phosphide	29-Mar-83	Nissan Chemical Corporation	Insecticide
39	Amblydromalus limonicus	13-Apr-87	Nippon Kayaku Co.,Ltd.	Insecticide
40	Amblyseius californicus	24-Mar-89	ADAMA JAPAN K.K.	Insecticide
41	Amblyseius cucumeris	6-Oct-06	Ishihara Sangyo Kaisha,Ltd.	Insecticide
42	Amblyseius swirskii Athias-Henriot	18-Oct-78	Sankei Chemical Co.,Ltd.	Others
43	ametoctradin	23-Apr-08	Kyoto Biken Laboratories, Inc.	fungicide
44	Amicarbazone	28-Apr-93	SDS Biotech K.K.	herbicide
45	amisulbrom	24-Apr-14	BASF Japan Ltd	fungicide
46	amitraz	26-May-10	Kao Corporation	Others
47	amobam	9-Nov-10	AgroFresh Japan LLC	PGR
48	Aphelinus asychis Walker	17-Oct-07	Kashima Chemical Co., Ltd.	Insecticide
49	Aphidius colemani	27-Aug-08	Arista LifeScience Corporation	Insecticide

50	Aphidius gifuensis	30-May-19	ASAHI BIOCYCLE CO., LTD.	fungicide
51	arigata-shima-azamiyama	27-Apr-05	SDS Biotech K.K.	Insecticide
52	asulam	24-Sep-81	Nihon Nohyaku Co., Ltd.	herbicide
53	atrazine	13-Jan-00	Sankei Chemical Co.,Ltd.	Insecticide
54	azimsulfuron	23-Apr-20	Dow AgroSciences Japan Company	herbicide
55	azoxystrobin	20-Nov-91	Dow AgroSciences Japan Company	herbicide
56	Bacillus amyloliquefaciens	31-Aug-05	Central Glass Co., Ltd.	fungicide
57	Bacillus simplex	11-Nov-15	Ishihara Sangyo Kaisha,Ltd.	Insecticide
58	Bacillus subtilis	19-Feb-72	UPL JAPAN LLC	herbicide
59	Bacillus subtilis D747	30-Jan-01	Bayer CropScience Co. Ltd.	herbicide
60	Bacillus subtilis HAI-0404	13-May-09	Sankei Chemical Co.,Ltd.	Others
61	Bacillus subtilis MBI600	24-Feb-87	MITSUI CHEMICALS AGRO, INC	herbicide
62	Bacillus subtilis QST-713	9-Jul-08	Syngenta Japan K.K.	fungicide
63	Bacillus subtilis Y1336	4-Mar-15	Shin-Etsu Chemical Industries Co.,Ltd.	Others
64	Bacillus thuringiensis	16-Dec-83	Kumiai Chemical Industry Co.,Ltd.	fungicide
65	Bacillus thuringiensis	1-Apr-91	BASF Japan Ltd	PGR

66	basic copper chloride	15-Mar-11	Meiji Seika pharma Co., Ltd.	herbicide
67	basic copper sulfate	24-Mar-89	Sumitomo Chemical Co.,Ltd.	PGR
68	Bathyplectes anurus	29-Nov-17	Nichino Green Co., Ltd.	fungicide
69	Beauveria bassiana F-263	14-Jun-61	Sumitomo Chemical Co.,Ltd.	Insecticide
70	Beauveria bassiana GHA	20-Nov-13	Shin-Etsu Chemical Industries Co.,Ltd.	Others
71	Beauveria brongnisrtii isolate No. NBL-851	8-Mar-58	TOHO ZINC CO.,LTD.	fungicide
72	benfluralin	20-Mar-07	W. Neudorff GmbH KG	Insecticide
73	benfuracarb	17-Jul-74	Nihon Nohyaku Co., Ltd.	fungicide
74	benfuresate	17-Mar-82	Nihon Nohyaku Co., Ltd.	PGR
75	benomyl	30-Jul-02	Utsunomiya Kasei Industries, Co., Ltd.	Insecticide
76	bensulfuron-methyl	28-Sep-73	RYUKYU SANKEI CO., LTD.	rodenticide
77	bensultap	18-Apr-07	Bayer CropScience Co. Ltd.	herbicide
78	bentazon sodium salt	27-Apr-05	AGRO-KANESHO CO., LTD.	fungicide
79	benthiavalicarb isopropyl	13-May-15	Arista LifeScience Corporation	Insecticide
80	benthiocarb	17-Jan-66	Nippoh Chemicals Co., LTD.	Insecticide
81	benzobicyclon	27-Jun-70	Kumiai Chemical Industry Co.,Ltd.	herbicide

82	Benzpyrimoxa	24-Oct-96	Nissan Chemical Corporation	herbicide
83	benzyladenine	27-Jun-19	Meiji Seika pharma Co., Ltd.	Insecticide
84	bifenazate	20-Sep-19	MITSUI CHEMICALS AGRO, INC	herbicide
85	bifenthrin	28-Feb-18	Kumiai Chemical Industry Co.,Ltd.	herbicide
86	bispyribac-sodium	25-Feb-04	Nufarm (Japan) K.K.	PGR
87	boscalid	26-Apr-95	MITSUI CHEMICALS AGRO, INC	Insecticide
88	BPMC	22-Apr-83	Kaken Pharmaceutical Co.,Ltd.	fungicide
89	BPPS	30-Apr-08	Nissan Chemical Corporation	fungicide
90	Brewed vinegar	26-Feb-63	Nissan Chemical Corporation	Insecticide
91	broflanilide	27-Aug-08	Maruwa Biochemical Co.,Ltd.	herbicide
92	bromacil	29-Jan-20	Bayer CropScience Co. Ltd.	Insecticide
93	bromobutide	21-Nov-94	Nippon Soda Co.,Ltd.	fungicide
94	buprofezin	25-Nov-15	Nippon Kayaku Co.,Ltd.	Insecticide
95	butachlor	6-Apr-98	Arista LifeScience Corporation	Insecticide
96	butamifos	21-Oct-87	AGRO-KANESHO CO., LTD.	Insecticide
97	butralin	20-Sep-75	Arista LifeScience Corporation	Insecticide

98	cadusafos	30-Aug-89	Syngenta Japan K.K.	herbicide
99	cafenstrole	7-Mar-70	Kumiai Chemical Industry Co.,Ltd.	fungicide
100	calcium carbonate	21-Dec-00	FMC Chemicals Co., Ltd.	Insecticide
101	Calcium cyanamide	21-Mar-12	Sankei Chemical Co.,Ltd.	Others
102	Calcium dichloride	19-Jul-66	Sumitomo Chemical Co.,Ltd.	Insecticide
103	calcium-oxide	4-Jun-09	Ishihara Sangyo Kaisha,Ltd.	herbicide
104	captan	26-Mar-58	Nissan Chemical Corporation	herbicide
105	carbam	16-May-14	Kumiai Chemical Industry Co.,Ltd.	Insecticide
106	carbam-Na	20-Oct-10	Nihon Nohyaku Co., Ltd.	Insecticide
107	carbon dioxide	20-Nov-17	Ishihara Sangyo Kaisha,Ltd.	fungicide
108	carbosulfan	25-Dec-96	Utsunomiya Kasei Industries, Co., Ltd.	Insecticide
109	carcium formate	26-Sep-91	Hodogaya Agrotec	Others
110	carcium peroxide	30-Jan-01	Sumitomo Chemical Co.,Ltd.	Insecticide

111	carfentrazone-ethyl	27-Apr-05	Idemitsu Kosan Co. Ltd.	fungicide
112	cartap	18-Sep-15	MITSUI CHEMICALS AGRO, INC	fungicide
113	CAT	12-Sep-18	Maruwa Biochemical Co.,Ltd.	herbicide
114	chinomethionate	8-Apr-87	Sumitomo Chemical Co.,Ltd.	Insecticide
115	Chlorantraniliprole	1-Aug-07	Syngenta Japan K.K.	herbicide
116	chlorfenapyr	25-May-04	Hodogaya Agrotec	herbicide
117	chlorfluazuron	18-Feb-10	Hokko Chemical Industry Co.,Ltd.	herbicide
118	Chlorimuron ethyl	21-Feb-85	Nihon Nohyaku Co., Ltd.	fungicide
119	chlormequat	21-Apr-98	Ishihara Sangyo Kaisha,Ltd.	herbicide
120	Chlorophacinone	11-Nov-15	Shiraishi Calcium Kaisha,Ltd.	PGR
121	Chlorophthalim	24-Nov-82	Nippon Soda Co.,Ltd.	Insecticide
122	Chloropicrin	2-Apr-64	Ishihara Sangyo Kaisha,Ltd.	PGR
123	chlorpyrifos	20-Nov-69	Nissan Chemical Corporation	herbicide

124	chlorthal-dimethyl	7-Mar-07	Nippon Kayaku Co.,Ltd.	Insecticide
125	choline chloride	8-Apr-94	MITSUI CHEMICALS AGRO, INC	herbicide
126	chromafenozide	19-Mar-81	Nissan Chemical Corporation	PGR
127	Chrysoperla carnea	24-Dec-02	Nippon Soda Co.,Ltd.	fungicide
128	cis-4-(isopropyl)-1-methylcyclohexa-2-en-1-ol	23-Feb-82	SDS Biotech K.K.	Insecticide
129	Citric acid esters of mono- and diglycerides of fatty acid	9-May-84	Rainbow Chemical Co.,Ltd	fungicide
130	clethodim	21-Sep-18	CORTEVA AGRISCIENCE JAPAN	Insecticide
131	clofentezine	27-Apr-74	Meiji Seika pharma Co., Ltd.	fungicide
132	clomeprop	23-Jul-08	MITSUI CHEMICALS AGRO, INC	fungicide
133	clothianidin	7-Feb-07	Kyoyu Agri. Co.,Ltd.	Others
134	compounding oil	10-May-91	OAT Agrio Co., Ltd.	Insecticide
135	CON/M/91-08	1-Apr-91	Nihon Nohyaku Co., Ltd.	Insecticide
136	copper 8-quinolinolate	10-Oct-12	Bayer CropScience Co. Ltd.	Insecticide
137	copper hydroxide	16-Dec-91	Kao Corporation	Others
138	copper nonylphenolsulfonate	7-Aug-67	Hokko Chemical Industry Co.,Ltd.	Insecticide

139	copper sulfate pentahydrate	31-Jan-97	BASF Japan Ltd	fungicide
140	coumarin	1-Dec-93	Hodogaya Agrotec	Insecticide
141	cumyluron	28-Apr-93	Nihon Nohyaku Co., Ltd.	Insecticide
142	cyanamide	1-Nov-68	Shiraishi Calcium Kaisha,Ltd.	Others
143	cyanazine	10-Jun-15	Ishihara Sangyo Kaisha,Ltd.	Insecticide
144	Cyantraniliprole	7-Apr-11	Bayer CropScience Co. Ltd.	herbicide
145	CYAP	18-Feb-09	Maruwa Biochemical Co.,Ltd.	herbicide
146	cyazofamid	17-Aug-76	Otsuka Medical Industries, Co., Ltd.	rodenticide
147	Cyclaniliprole	16-Feb-90	Nippon Soda Co.,Ltd.	herbicide
148	cycloprothrin	19-Mar-84	BASF Japan Ltd	PGR
149	cyclopyrimorate	1-Feb-89	Sankei Chemical Co.,Ltd.	Others
150	cyclosulfamuron	13-Oct-10	Syngenta Japan K.K.	herbicide
151	cyenopyrafen	10-Mar-67	Bayer CropScience Co. Ltd.	herbicide
152	cyflufenamid	16-Nov-16	Kumiai Chemical Industry Co.,Ltd.	fungicide
153	cyflumetofen	18-Jan-10	AGRO-KANESHO CO., LTD.	Insecticide

154	cyfluthrin	10-Mar-50	Ishihara Sangyo Kaisha,Ltd.	herbicide
155	cyhalofop-butyl	11-Apr-17	ADAMA JAPAN K.K.	Insecticide
156	cyhalothrin	12-Nov-02	Arista LifeScience Corporation	Insecticide
157	cymoxanil	27-Feb-65	AGRO-KANESHO CO., LTD.	herbicide
158	cypermethrin	28-Sep-09	FMC Chemicals Co., Ltd.	Insecticide
159	cyproconazole	31-Jan-18	Shin-Etsu Chemical Industries Co.,Ltd.	Others
160	cyprodinil	27-Nov-08	Nissan Chemical Corporation	Insecticide
161	cyromazine	7-May-03	SDS Biotech K.K.	fungicide
162	daimuron	20-Aug-90	AIR WATER INC.	Insecticide
163	daminozide	26-Apr-01	Ishihara Sangyo Kaisha,Ltd.	fungicide
164	dazomet	8-Jul-96	Nissan Chemical Corporation	herbicide
165	DBEDC	31-Mar-73	Yonesawa Chemical Co. Ltd.	fungicide
166	DBN	12-Jun-09	Ishihara Sangyo Kaisha,Ltd.	herbicide
167	DCBN	6-Sep-06	Nissan Chemical Corporation	herbicide
168	DCMU	24-Mar-88	Syngenta Japan K.K.	Insecticide
169	D-D	14-Nov-16	Arista LifeScience Corporation	herbicide

170	decyl alcohol	28-Apr-00	Nippon Soda Co.,Ltd.	herbicide
171	DEP	10-Jul-14	Kumiai Chemical Industry Co.,Ltd.	herbicide
172	desmedipham	30-Mar-18	Meiji Seika pharma Co., Ltd.	Insecticide
173	diafenthiuron	1-Apr-02	Douglas Japan Co., Ltd	Insecticide
174	diazinon	11-Jun-01	MITSUI & Co..Ltd.	Insecticide
175	dichlobentiazox	24-Apr-02	MITSUI CHEMICALS AGRO, INC	Insecticide
176	dichlorprop	20-Jan-16	Arista LifeScience Corporation	Insecticide
177	dienochlor	25-Dec-17	Dow AgroSciences Japan Company	Insecticide
178	diethofencarb	18-Jun-20	Sumitomo Chemical Co.,Ltd.	fungicide
179	difenoconazole	24-Sep-85	Sumitomo Chemical Co.,Ltd.	herbicide
180	diflubenzuron	24-Dec-97	Arista LifeScience Corporation	Insecticide
181	diflufenican	26-Apr-95	CBC Co., Ltd.	Insecticide
182	diflumetorim	9-Jun-82	Bayer CropScience Co. Ltd.	PGR
183	Diglyphus isaea (adult)	20-Nov-69	Hokko Chemical Industry Co.,Ltd.	fungicide
184	Diglyphus isaea (newly - emerged adult)	2-Dec-09	Maruwa Biochemical Co.,Ltd.	herbicide
185	dimethametryn	18-Jun-02	Agri Souken	Insecticide
186	dimethenamid	4-Aug-10	Sankei Chemical Co.,Ltd.	Others
187	Dimethenamid-P	19-May-93	Kureha Chemical Industry Co., Ltd.	fungicide
188	dimethoate	28-Dec-12	Bayer CropScience Co. Ltd.	Insecticide
189	dimethomorph	21-Dec-00	Nihon Nohyaku Co., Ltd.	fungicide
190	dinotefuran	1-Aug-07	Riken Green Co., Ltd.	herbicide
191	dioctyl sulfo succinic acid sodium salt	25-Jun-68	Kumiai Chemical Industry Co.,Ltd.	fungicide
192	diphacin	17-Jan-05	Bayer CropScience Co. Ltd.	Insecticide
193	diquat	8-Oct-65	Degesch Japan Co., Ltd.	Insecticide
194	dithianon	8-Apr-87	BASF Japan Ltd	herbicide
195	dithiopyr	4-Dec-98	Sankei Chemical Co.,Ltd.	Insecticide
196	D-Limonene	8-Sep-97	AGRO-KANESHO CO., LTD.	fungicide

197	DMTP	4-Nov-92	Bayer CropScience Co. Ltd.	Insecticide
198	Dodecyl acetate	24-Jan-08	Bayer CropScience Co. Ltd.	fungicide
199	emamectin benzoate	14-Sep-20	MITSUI CHEMICALS AGRO, INC	Insecticide
200	Encarsia formosa	16-Dec-83	Nihon Nohyaku Co., Ltd.	Insecticide
201	Endothal disodium salt	13-Jan-76	Nihon Nohyaku Co., Ltd.	fungicide
202	Eretmocerus eremicus (adult eclosion)	28-Jun-17	MITSUI CHEMICALS AGRO, INC	herbicide
203	Eretmocerus eremicus (adult)	28-Nov-94	Ishihara Sangyo Kaisha,Ltd.	herbicide
204	Eretmocerus mundus	12-Mar-13	Meiji Seika pharma Co., Ltd.	fungicide
205	Erwinia carotovora	26-Oct-07	OAT Agrico Co., Ltd.	Insecticide
206	esfenvalerate	29-Oct-96	SDS Biotech K.K.	herbicide
207	esprocarb	22-Oct-08	Evonik Japan Co., Ltd.	Others
208	Ethaboxam	31-Oct-19	UPL JAPAN LLC	herbicide
209	ethephon	13-Jan-76	Bayer CropScience Co. Ltd.	Insecticide
210	ethiprole	14-Nov-16	Arista LifeScience Corporation	fungicide
211	ethoxysulfuron	2-May-72	Sumitomo Chemical Co.,Ltd.	fungicide
212	ethychlozate ethyl	14-Nov-16	Ishihara Sangyo Kaisha,Ltd.	herbicide
213	etobenzanid	19-Mar-81	Nippon Kayaku Co.,Ltd.	Insecticide
214	etofenprox	20-Mar-19	Nippon Soda Co.,Ltd.	Insecticide
215	etoxazole	25-Jun-68	AGRO-KANESHO CO., LTD.	herbicide
216	fenarimol	21-May-91	Kabushiki Kaisha OKI	PGR
217	fenbuconazole	26-Mar-21	Sumitomo Chemical Co.,Ltd.	Insecticide
218	fenhexamid	4-Apr-11	Sumisho Agro-International Co., Ltd.	herbicide
219	fenothiocarb	5-Apr-06	Syngenta Japan K.K.	PGR
220	fenoxanil	28-Aug-03	Bayer CropScience Co. Ltd.	herbicide
221	Fenoxasulfone	22-Oct-77	Sankei Chemical Co.,Ltd.	Others
222	fenpropathrin	24-Mar-88	Nihon Nohyaku Co., Ltd.	herbicide
223	fenpyrazamine	1-Jul-16	SDS Biotech K.K.	herbicide
224	fenpyroximate	24-Jun-15	AGRO-KANESHO CO., LTD.	Others
225	fenquinotrione	14-Dec-16	Shin-Etsu Chemical Industries Co.,Ltd.	Others
226	fentrazamide	28-Aug-03	AGRO-KANESHO CO., LTD.	Insecticide
227	fenvalerate	13-Dec-69	Kumiai Chemical Industry Co.,Ltd.	fungicide
228	ferimzone	21-Feb-85	Ishihara Sangyo Kaisha,Ltd.	herbicide

229	ferric phosphate	11-Apr-07	Syngenta Japan K.K.	herbicide
230	fipronil	20-Dec-01	Rainbow Chemical Co.,Ltd	Insecticide
231	flazasulfuron	8-Feb-89	Bayer CropScience Co. Ltd.	fungicide
232	Flometoquin	9-Nov-10	Kumiai Chemical Industry Co.,Ltd.	herbicide
233	flonicamid	22-Sep-79	Hokko Chemical Industry Co.,Ltd.	fungicide
234	florasuram	30-Mar-18	Arista LifeScience Corporation	fungicide
235	florpyrauxifenbenzyl	29-Jun-81	Nihon Nohyaku Co., Ltd.	herbicide
236	fluacrypyrim	4-Jun-09	AGRO-KANESHO CO., LTD.	PGR
237	fluazifop-P	26-Aug-15	Arista LifeScience Corporation	Insecticide
238	fluazinam	25-Sep-13	Agri Souken	Insecticide
239	Flubendiamide	23-Jul-71	Bayer CropScience Co. Ltd.	PGR
240	Flucetosulfuron	30-Nov-11	ADAMA JAPAN K.K.	herbicide
241	flucythrinate	27-Feb-07	Nihon Nohyaku Co., Ltd.	Insecticide
242	fludioxonil	1-Dec-93	Japan Carlit Co.,Ltd.	fungicide
243	Fluensulfone	11-Jun-01	Idemitsu Kosan Co. Ltd.	Others
244	Flufenacet	8-Feb-89	Sumitomo Chemical Co.,Ltd.	fungicide
245	flufenoxuron	7-Nov-90	Syngenta Japan K.K.	fungicide
246	flumioxazin	12-Mar-96	Kao Corporation	Others
247	fluopicolide	18-Jun-02	Agri Souken	Insecticide
248	fluopyram	26-Dec-94	Sanko Chemical Industry Co.,Ltd.	Insecticide
249	fluoroimide	20-Mar-71	RYUKYU SANKEI CO., LTD.	Insecticide
250	fluoxastrobin	25-Sep-13	Agri Souken	Insecticide
251	Flupoxam	19-May-10	Bayer CropScience Co. Ltd.	fungicide
252	Flupyradifurone	30-Jun-58	Nissan Chemical Corporation	herbicide
253	flupyrimin	9-Sep-15	Agri Souken	Insecticide
254	flurprimidol	10-Apr-90	Ishihara Sangyo Kaisha,Ltd.	fungicide
255	flusulfamide	29-Aug-02	FMC Chemicals Co., Ltd.	herbicide
256	fluthiacet-methyl	1-Apr-92	FMC Chemicals Co., Ltd.	herbicide
257	flutianil	13-Apr-87	mitsui chemicals agro, inc	Insecticide
258	flutolanil	24-Apr-98	Kyoyu Agri. Co.,Ltd.	Insecticide
259	fluvalinate	30-Oct-73	Hokko Chemical Industry Co.,Ltd.	Insecticide
260	fluxametamide	22-Jan-19	Earth Chemical. Co.,Ltd.	Insecticide

261	fluxapyroxad	10-Mar-04	Koei Chemical Industries, Ltd.	PGR
262	Folpet	24-Oct-12	Hodogaya Chemical Co.,Ltd.	herbicide
263	Foramsulfuron	5-Oct-05	Kumiai Chemical Industry Co.,Ltd.	fungicide
264	forchlorfenuron	24-Apr-87	Sumitomo Chemical Co.,Ltd.	herbicide
265	fosetyl	25-Apr-81	AGRO-KANESHO CO., LTD.	fungicide
266	fosthiazate	23-May-55	Nihon Nohyaku Co., Ltd.	Insecticide
267	fthalide	16-Apr-01	OAT Agrio Co., Ltd.	Insecticide
268	Fumaric Acid	19-May-10	MITSUI CHEMICALS AGRO, INC	Insecticide
269	furametpyr	28-Feb-19	Ishihara Sangyo Kaisha,Ltd.	herbicide
270	gibberellin	19-Nov-08	UPL JAPAN LLC	herbicide
271	glucan extracted from brewing yeast	17-Jan-05	BASF Japan Ltd	fungicide
272	glufosinate	24-Jul-81	Sumitomo Chemical Co.,Ltd.	herbicide
273	glufosinate-P-sodium	24-Apr-95	Sumitomo Chemical Co.,Ltd.	Insecticide
274	Glycerin fatty acid ester	22-Jan-19	Nissan Chemical Corporation	Insecticide
275	glyceryl caprylate	21-Nov-12	Shin-Etsu Chemical Industries Co.,Ltd.	Others
276	Glyphosate ammonium salt	26-Apr-01	Bayer CropScience Co. Ltd.	fungicide
277	Glyphosate isopropylamine	16-Nov-89	Nissan Chemical Corporation	herbicide
278	Glyphosate sodium salt	31-Aug-98	Arista LifeScience Corporation	fungicide
279	glyphosate-potassium	19-May-10	Syngenta Japan K.K.	herbicide
280	Gynaeseius liturivorus (Ehara)	7-Aug-81	Bayer CropScience Co. Ltd.	herbicide
281	halosulfuron methyl	26-Apr-01	Bayer CropScience Co. Ltd.	Insecticide
282	Haplothrips brevitubus (Karny)	28-Nov-95	Sumitomo Chemical Co.,Ltd.	Insecticide
283	Harmonia axyridis (adult)	24-Sep-81	Dow AgroSciences Japan Company	herbicide
284	Harmonia axyridis (Second and Third instar larva)	30-Oct-48	Nippon Kayaku Co.,Ltd.	Insecticide
285	Harmonia axyridis (second instar larva)	20-Nov-17	MITSUI CHEMICALS AGRO, INC	herbicide
286	herb extract	22-Dec-98	Ishihara Sangyo Kaisha,Ltd.	herbicide
287	hexaconazole	31-Mar-89	SDS Biotech K.K.	herbicide

288	Hexazinone	29-Aug-97	Nissan Chemical Corporation	herbicide
289	hexythiazox	19-May-10	Syngenta Japan K.K.	herbicide
290	hydroxyisoxazole	18-Nov-57	NIPPON CARBIDE INDUSTRIES CO.,INC.	Others
291	hydroxyisoxazole potassium salt	19-Nov-08	Arista LifeScience Corporation	Insecticide
292	hydroxypropyl distarch phosphate	27-May-15	Meiji Seika pharma Co., Ltd.	fungicide
293	hydroxypropyl starch	17-Jan-66	Hokko Chemical Industry Co.,Ltd.	fungicide
294	IBA	5-Nov-08	Hodogaya Agrotec	herbicide
295	IBP	19-Nov-08	Sankei Chemical Co.,Ltd.	Others
296	imazamox-ammonium	14-Dec-05	Kyoyu Agri. Co.,Ltd.	Insecticide
297	imazapyr	26-Apr-01	SDS Biotech K.K.	herbicide
298	imazaquin	17-Nov-97	Kumiai Chemical Industry Co.,Ltd.	fungicide
299	imazosulfuron	1-Apr-91	Nissan Chemical Corporation	Insecticide
300	imibenconazole	27-Dec-99	Nippon Kayaku Co.,Ltd.	Insecticide
301	Imicyafos	29-Jan-14	Japan Beekeeping Association	Insecticide
302	imidacloprid	26-Apr-17	BASF Japan Ltd	fungicide
303	iminocladine-albesilate	22-Jun-05	Sumitomo Chemical Co.,Ltd.	Insecticide
304	iminocladine-triacetate	22-Aug-01	Dow AgroSciences Japan Company	Insecticide
305	indanofan	27-Aug-93	SDS Biotech K.K.	herbicide
306	indaziflam	28-Apr-93	Syngenta Japan K.K.	Insecticide
307	indoxacarb	31-Aug-98	Syngenta Japan K.K.	Insecticide
308	inpyrfluxam	19-Apr-66	Hodogaya Agrotec	herbicide
309	Iodosulfuron-methyl sodium	26-Apr-01	Dow AgroSciences Japan Company	fungicide
310	ioxynil	7-Nov-90	MITSUI CHEMICALS AGRO, INC	Insecticide
311	IPC	1-Jul-82	OAT Agrico Co., Ltd.	PGR
312	ipconazole	31-Aug-98	BASF Japan Ltd	herbicide
313	Ipfencarbazone	22-Apr-03	Arista LifeScience Corporation	Insecticide
314	Ipflufenquin	27-Mar-97	Kumiai Chemical Industry Co.,Ltd.	fungicide
315	iprodisolone	17-Jan-66	Nihon Nohyaku Co., Ltd.	Others
316	isofetamide	21-Feb-07	Idemitsu Kosan Co. Ltd.	Insecticide
317	isoprothiolane	25-Dec-17	Ishihara Sangyo Kaisha,Ltd.	Insecticide

318	Isopyrazam	12-May-59	Nissan Chemical Corporation	herbicide
319	Isotianil	26-Feb-14	Sumitomo Chemical Co.,Ltd.	fungicide
320	isouron	29-Aug-97	BASF Japan Ltd	herbicide
321	isoxaben	7-Apr-21	SDS Biotech K.K.	PGR
322	isoxathion	25-Jan-17	Shin-Etsu Chemical Industries Co.,Ltd.	Others
323	Itaconic acid	28-Apr-93	Sumitomo Chemical Co.,Ltd.	herbicide
324	karbutilate	7-May-75	Nissan Chemical Corporation	Insecticide
325	kasugamycin	14-Apr-86	Nippon Soda Co.,Ltd.	fungicide
326	kresoxim-methyl	25-Jul-97	Central Glass Co., Ltd.	fungicide
327	Lactobacillus plantarum	24-Mar-97	Nissan Chemical Corporation	herbicide
328	Lancotrione sodium	18-May-67	Nihon Nohyaku Co., Ltd.	Insecticide
329	lenacil	30-Apr-97	Syngenta Japan K.K.	Insecticide
330	Lepimectin	30-Sep-58	Hosoi Chemical Industries, Co., Ltd.	fungicide
331	levamisol	15-Oct-70	Nippon Kayaku Co.,Ltd.	herbicide
332	lime sulfur solution	20-Aug-69	Hodogaya Chemical Co.,Ltd.	herbicide
333	linuron	6-Mar-81	OAT Agrio Co., Ltd.	Insecticide
334	lufenuron	15-May-00	Sumitomo Chemical Co.,Ltd.	Insecticide
335	machine oil	5-Mar-08	ZM Crop Protection Corporation	fungicide
336	Malathon	16-Oct-02	Fumakilla Co.,Ltd.	Insecticide
337	maleic hydrazide potassium	17-Nov-97	Syngenta Japan K.K.	herbicide
338	mancozeb	29-Oct-96	Sumitomo Chemical Co.,Ltd.	fungicide
339	Mandestrobin	29-Jun-00	Bayer CropScience Co. Ltd.	herbicide
340	Mandipropamid	14-Nov-07	Syngenta Japan K.K.	herbicide
341	maneb	19-May-93	Hokko Chemical Industry Co.,Ltd.	fungicide
342	MCPA ethyl	31-Mar-20	Kumiai Chemical Industry Co.,Ltd.	fungicide
343	MCPA isopropylamine	26-Apr-01	SDS Biotech K.K.	herbicide
344	MCPA-Na	31-Aug-98	Sumisho Agro-International Co., Ltd.	fungicide
345	MCPB ethyl	17-Nov-95	Idemitsu Kosan Co. Ltd.	Insecticide
346	MCPP Dimethylamine	22-Jun-62	Bayer CropScience Co. Ltd.	fungicide
347	MCPP potassium	20-Oct-48	DAINIHON JOCHUGIKU Co.,Ltd.	Insecticide

348	MDBA	21-Jul-83	Bayer CropScience Co. Ltd.	fungicide
349	MDBA dimethylamine	1-Dec-89	Ishihara Sangyo Kaisha,Ltd.	herbicide
350	mecoprop-p-potassium salt	24-Sep-85	Kumiai Chemical Industry Co.,Ltd.	fungicide
351	MEP	1-Apr-82	Nufarm (Japan) K.K.	herbicide
352	mepanipyrim	15-Mar-63	Meiji Seika pharma Co., Ltd.	fungicide
353	mepiquat-chloride	7-Aug-86	Earth Chemical. Co.,Ltd.	Insecticide
354	mepronil	21-Oct-13	Bayer CropScience Co. Ltd.	fungicide
355	Mesotrione	10-Jun-87	AGRO-KANESHO CO., LTD.	Insecticide
356	Metaflumizone	19-Apr-99	Nihon Nohyaku Co., Ltd.	herbicide
357	metal silver	20-Mar-03	Arista LifeScience Corporation	Insecticide
358	metalaxyl	19-Apr-99	AGRO-KANESHO CO., LTD.	Insecticide
359	metalaxyl M	10-Mar-95	Arista LifeScience Corporation	Insecticide
360	metaldehyde	22-Jun-63	Nippon Kayaku Co.,Ltd.	herbicide
361	metamifop	28-Oct-86	OAT Agrio Co., Ltd.	Insecticide
362	metamitron	25-Aug-10	SDS Biotech K.K.	Insecticide
363	Metarhizium anisopliae	28-Sep-57	Nippon Soda Co.,Ltd.	fungicide
364	metconazole	25-Apr-12	SDS Biotech K.K.	herbicide
365	methiozolin	30-May-77	Sumitomo Chemical Co.,Ltd.	Others
366	methomyl	22-Feb-17	Bayer CropScience Co. Ltd.	fungicide
367	methoxyfenozide	4-Jul-07	Arista LifeScience Corporation	Insecticide
368	Methyl bromide	1-Feb-13	OAT Agrio Co., Ltd.	fungicide
369	methyl eugenol	28-Apr-93	Syngenta Japan K.K.	fungicide
370	Methyl Iodide	2-Jul-73	Nissan Chemical Corporation	PGR
371	methyl isothiocyanate	11-Dec-79	FMC Chemicals Co., Ltd.	fungicide
372	metolachlor	25-Jan-06	Ishihara Sangyo Kaisha,Ltd.	Insecticide
373	metominostrobin	26-Feb-14	Arista LifeScience Corporation	Insecticide
374	metribuzin	24-Mar-89	Syngenta Japan K.K.	PGR
375	metsulfuron-methyl	19-Apr-99	Dow AgroSciences Japan Company	Insecticide
376	metyltetraprole	30-Apr-97	Bayer CropScience Co. Ltd.	herbicide
377	milbemectin	21-Feb-85	Syngenta Japan K.K.	fungicide

378	MIPC	4-May-71	Nissan Chemical Corporation	Insecticide
379	molinate	10-Mar-67	AGRO-KANESHO CO., LTD.	fungicide
380	morantel tartrat	28-Dec-07	Bayer CropScience Co. Ltd.	Insecticide
381	myclobutanil	16-Dec-09	SUMIKA TECHNOSERVICE CORPORATION	Insecticide
382	NAC	22-Dec-98	Bayer CropScience Co. Ltd.	herbicide
383	napropamide	22-Dec-92	OAT Agrio Co., Ltd.	Insecticide
384	nemadectin	11-Jul-12	Shin-Etsu Chemical Industries Co.,Ltd.	Others
385	Neochrysocharis formosa	14-Mar-01	AGROStar Ltd.	Insecticide
386	Nesidiocoris tenuis	13-Apr-16	CORTEVA AGRISCIENCE JAPAN	fungicide
387	nicosulfuron	10-Aug-10	FMC Chemicals Co., Ltd.	Insecticide
388	nitenpyram	13-Jun-13	Nippon Soda Co.,Ltd.	herbicide
389	novaluron	31-May-95	OAT Agrio Co., Ltd.	herbicide
390	oriental tea tortrix-Karyubyu-virus	18-Nov-09	Nippon Soda Co.,Ltd.	fungicide
391	Orius strigicollis	18-Oct-18	Sumitomo Chemical Co.,Ltd.	Insecticide
392	oryzalin	25-May-16	NOF Corporation	PGR
393	oxadiargyl	9-Sep-54	Otsuka Medical Industries, Co., Ltd.	rodenticide
394	oxadiazon	20-Feb-15	Nihon Nohyaku Co., Ltd.	Insecticide
395	oxamyl	25-Sep-69	Nippon Soda Co.,Ltd.	Others
396	oxathiapiprolin	24-Dec-97	Kumiai Chemical Industry Co.,Ltd.	herbicide
397	oxaziclomefone	25-Sep-06	BASF Japan Ltd	fungicide
398	oxazosulfyl	1-Apr-91	Sumitomo Chemical Co.,Ltd.	PGR
399	oxolinic acid	26-Sep-91	Nihon Nohyaku Co., Ltd.	Insecticide
400	oxpoconazole-fumarate	29-Oct-96	Syngenta Japan K.K.	fungicide
401	oxytetracycline	23-Feb-55	Kumiai Chemical Industry Co.,Ltd.	Others
402	paclobutrazol	20-Apr-00	NIPPON CARBIDE INDUSTRIES CO.,INC.	PGR
403	Paecilomyces fumosoroseus	29-May-57	UPL JAPAN LLC	Insecticide
404	Paecilomyces tenuipes	15-Aug-00	Nihon Nohyaku Co., Ltd.	herbicide
405	PAP	4-Nov-97	SDS Biotech K.K.	herbicide

406	paraffin	28-Nov-95	Sumitomo Chemical Co.,Ltd.	Insecticide
407	Pasteuria penetrans	26-Jun-75	Riken Green Co., Ltd.	Insecticide
408	pefurazoate	29-Mar-11	Sumitomo Chemical Co.,Ltd.	Insecticide
409	Pelargonic acid	2-Jul-13	Sumitomo Chemical Co.,Ltd.	fungicide
410	pencycuron	8-Feb-99	Shiraishi Calcium Kaisha,Ltd.	PGR
411	pendimethalin	10-Aug-10	BASF Japan Ltd	herbicide
412	Penflufen	28-Nov-95	Kumiai Chemical Industry Co.,Ltd.	fungicide
413	penoxsulam	19-Mar-81	Sumitomo Chemical Co.,Ltd.	fungicide
414	pen thiopyrad	30-Jun-72	Hodogaya UPL Co.,Ltd.	Insecticide
415	pentoxazone	1-May-69	MITSUI CHEMICALS AGRO, INC	herbicide
416	permethrin	23-Feb-17	Nissan Chemical Corporation	fungicide
417	phenmedipham	1-Nov-91	Sumitomo Chemical Co.,Ltd.	fungicide
418	Phytoseiulus persimilis	9-Jun-82	AGRO-KANESHO CO., LTD.	PGR
419	Picarbtrazox	25-Jun-08	Syngenta Japan K.K.	Insecticide
420	Picoxystrobin	12-Jul-01	Syngenta Japan K.K.	Others
421	Polyalkylglycol alkylether	4-Nov-92	MITSUI CHEMICALS AGRO, INC	fungicide
422	Polybutene	19-Jan-87	Nippon Soda Co.,Ltd.	Others
423	polyglyceryl fatty acid ester	23-May-07	Syngenta Japan K.K.	fungicide
424	polynaphtylmethane sulfonic dialkyldimethylammoni um	28-Mar-72	Avion Coporation Co., Ltd.	Others
425	polyoxin D zinc salt	22-Oct-93	Hodogaya Chemical Co.,Ltd.	herbicide
426	polyoxins	18-May-89	Nihon Nohyaku Co., Ltd.	PGR
427	Polyoxyalkylen oxypropyl heptamethyl trisiloxane	28-Dec-07	Dow AgroSciences Japan Company	herbicide
428	polyoxyalkylene aliphatic acid ester	28-May-14	AGRO-KANESHO CO., LTD.	fungicide
429	Polyoxyalkylene alkylether	13-May-20	Nippon Soda Co.,Ltd.	fungicide
430	polyoxyethylene aliphatic acid ester	16-Nov-20	Syngenta Japan K.K.	fungicide
431	polyoxyethylene aliphatic acid ester	19-May-93	OAT Agrio Co., Ltd.	fungicide
432	polyoxyethylene alkyl ether	6-Apr-12	Bayer CropScience Co. Ltd.	herbicide
433	polyoxyethylene alkylphenyl ether	28-Oct-86	Sumitomo Chemical Co.,Ltd.	Insecticide

434	polyoxyethylene dodecyl ether	24-Sep-85	Nippon Soda Co.,Ltd.	Insecticide
435	polyoxyethylene hexitan aliphatic acid	22-Aug-01	Syngenta Japan K.K.	Insecticide
436	polyoxyethylene nonylphenyl ether	10-Nov-00	Hokko Chemical Industry Co.,Ltd.	Others
437	polyoxyethylene resin acid ester	9-Apr-08	mitsui chemicals agro, inc	herbicide
438	polyoxyethylenemethylp olysioxane	7-Nov-90	Sumitomo Chemical Co.,Ltd.	fungicide
439	potassium hydrogen carbonat	22-Jun-05	Sumitomo Chemical Co.,Ltd.	Insecticide
440	powder whole egg	29-Mar-83	AGRO-KANESHO CO., LTD.	herbicide
441	pretilachlor	7-May-03	Arista LifeScience Corporation	Insecticide
442	probenazole	28-Sep-09	Nihon Nohyaku Co., Ltd.	Insecticide
443	prochloraz	26-Jun-92	Syngenta Japan K.K.	herbicide
444	procymidone	21-Oct-87	Syngenta Japan K.K.	herbicide
445	prodiamine	2-Oct-87	Nihon Nohyaku Co., Ltd.	herbicide
446	profenofos	21-Feb-85	Sumitomo Chemical Co.,Ltd.	Insecticide
447	prohexadione-calcium	10-Sep-96	Riken Green Co., Ltd.	Insecticide
448	prohydrojasmon	25-Oct-88	Ishihara Sangyo Kaisha,Ltd.	Insecticide
449	prometryn	26-Apr-79	Fumakilla Co.,Ltd.	Insecticide
450	propamocarb	19-Sep-07	FineAgroChemicals Co.,Ltd.	PGR
451	Propanil	16-May-14	Riken Green Co., Ltd.	herbicide
452	propiconazole	13-Apr-87	Nihon Nohyaku Co., Ltd.	Insecticide
453	propineb	26-Oct-89	Hodogaya Chemical Co.,Ltd.	PGR
454	Propylea japonica	24-Jun-87	AGRO-KANESHO CO., LTD.	PGR
455	propyleneglycol monoaliphatic acid ester	13-Jun-64	AGRO-KANESHO CO., LTD.	Insecticide
456	propyrisulfuron	30-Apr-97	SDS Biotech K.K.	fungicide
457	propyzamide	26-Apr-07	Kumiai Chemical Industry Co.,Ltd.	fungicide
458	Prosulfocarb	26-Dec-61	Sumitomo Chemical Co.,Ltd.	Insecticide
459	prothiofos	26-May-21	Agri Souken	Insecticide
460	prussic acid	28-Feb-64	Meiji Seika pharma Co., Ltd.	PGR
461	Pseudomonas fluorescens	22-Oct-13	Ishihara Sangyo Kaisha,Ltd.	fungicide
462	Pseudomonas rhodesiae	6-Dec-17	Bayer CropScience Co. Ltd.	herbicide
463	pydiflumetofen	25-May-84	Kao Corpoaration	Others

464	pyflubumide	15-Aug-00	Bayer CropScience Co. Ltd.	herbicide
465	pymetrozine	14-Sep-20	Nihon Nohyaku Co., Ltd.	Insecticide
466	pyraclonil	28-May-14	SDS Biotech K.K.	fungicide
467	pyraclostrobin	14-Apr-86	Syngenta Japan K.K.	Insecticide
468	pyraflufen ethyl	7-Jun-65	Kao Corporation	Others
469	Pyraziflumid	26-Aug-94	AGRO-KANESHO CO., LTD.	herbicide
470	Pyrazolate	22-Dec-15	Bayer CropScience Co. Ltd.	Insecticide
471	pyrazosulfuron-ethyl	30-Apr-97	Kumiai Chemical Industry Co.,Ltd.	herbicide
472	pyrazoxyfen	3-Feb-10	Arista LifeScience Corporation	herbicide
473	pyrethrins	14-Jan-99	Bayer CropScience Co. Ltd.	fungicide
474	Pyribencarb	14-Jan-99	Nippon Soda Co.,Ltd.	fungicide
475	pyributicarb	5-Jul-04	SDS Biotech K.K.	Insecticide
476	pyridaben	27-May-09	Shin-Etsu Chemical Industries Co.,Ltd.	Others
477	pyridalyl	12-Nov-02	Mishima Kosan co.,Ltd	fungicide
478	pyrifluquinazon	25-Dec-68	Maruwa Biochemical Co.,Ltd.	herbicide
479	pyriftalid	13-Dec-06	Central Glass Co., Ltd.	fungicide
480	pyrimidifen	12-Oct-01	MITSUI CHEMICALS AGRO, INC	fungicide
481	pyriminobac-methyl	7-Nov-90	Dow AgroSciences Japan Company	fungicide
482	pyrimisulfan	7-Jun-16	Nihon Nohyaku Co., Ltd.	fungicide
483	pyriofenone	28-Feb-73	Nihon Nohyaku Co., Ltd.	Others
484	pyriproxyfen	23-May-55	Otsuka Medical Industries, Co., Ltd.	rodenticide
485	pyroquilon	6-Dec-80	Kumiai Chemical Industry Co.,Ltd.	PGR
486	pyroxasulfone	15-Nov-18	Syngenta Japan K.K.	fungicide
487	quizalofop-ethyl	28-Dec-07	Kyoyu Agri. Co.,Ltd.	herbicide
488	rapeseed oil	27-Jul-66	Ishihara Sangyo Kaisha,Ltd.	herbicide
489	rimsulfuron	6-Aug-04	Sumitomo Chemical Co.,Ltd.	Insecticide
490	sethoxydim	5-Nov-81	Dow AgroSciences Japan Company	fungicide
491	shiitake water extract	1-May-71	Nippon Soda Co.,Ltd.	fungicide
492	silafiuofen	2-Nov-04	Izutsuya Chemical Industry Co.,Ltd.	Insecticide
493	simeconazole	24-Apr-02	OAT Agrio Co., Ltd.	Insecticide
494	simetryn	25-Oct-88	Sumitomo Chemical Co.,Ltd.	Insecticide

495	s-metolachlor	13-Dec-06	Sankei Chemical Co.,Ltd.	Others
496	sodium chlorate	27-Oct-10	OAT Agrio Co., Ltd.	Insecticide
497	sodium cyanide	28-Sep-94	Nissan Chemical Corporation	fungicide
498	sodium hydrogen carbonate	14-Apr-86	Kumiai Chemical Industry Co.,Ltd.	Insecticide
499	sodium oleate	6-Aug-13	Hokko Chemical Industry Co.,Ltd.	herbicide
500	sorbitan fatty acid ester (insecticide)	17-Nov-79	MITSUI CHEMICALS AGRO, INC	herbicide
501	sorbitan fatty acid ester (spreader)	7-Nov-90	Syngenta Japan K.K.	fungicide
502	Sorbitan trioleate	28-Feb-60	Nippon Kayaku Co.,Ltd.	Insecticide
503	spinetoram	13-Apr-16	Bayer CropScience Co. Ltd.	herbicide
504	spinosad	2-Nov-05	Kyoyu Agri. Co.,Ltd.	herbicide
505	spirodiclofen	29-Nov-06	Kureha Chemical Industry Co., Ltd.	fungicide
506	spiromesifen	26-Feb-66	Nissan Chemical Corporation	herbicide
507	Spirotetramat	28-May-08	Nufarm (Japan) K.K.	herbicide
508	Spodoptera Litura Nucleopolyhedrovirus	22-Dec-97	Syngenta Japan K.K.	Insecticide
509	starch	20-Nov-69	Kumiai Chemical Industry Co.,Ltd.	fungicide
510	starch reducing sugar	22-Dec-98	Nissan Chemical Corporation	herbicide
511	Steinernema carpocapsae	22-Sep-80	Nissan Chemical Corporation	herbicide
512	Steinernema glaseri	7-Mar-07	SDS Biotech K.K.	fungicide
513	Streptomycin sulfate	30-Oct-48	Sankei Chemical Co.,Ltd.	fungicide
514	Sulfoxaflor	22-Sep-04	Maruwa Biochemical Co.,Ltd.	fungicide
515	sulfur	14-Sep-84	Sankei Chemical Co.,Ltd.	Insecticide
516	sulfuryl fluoride	20-Aug-12	Kumiai Chemical Industry Co.,Ltd.	fungicide
517	Talaromyces flavus	1-Jun-05	Agri Souken	Insecticide
518	tebuconazole	13-Jun-13	BASF Japan Ltd	fungicide
519	tebufenozide	27-Jul-66	Ishihara Sangyo Kaisha,Ltd.	herbicide
520	tebufenpyrad	8-Apr-94	Nippon Soda Co.,Ltd.	Insecticide
521	TEBUFLOQUIN	26-Apr-95	Bayer CropScience Co. Ltd.	Insecticide
522	tebuthiuron	22-Dec-97	MITSUI CHEMICALS AGRO, INC	herbicide
523	teflubenzuron	25-Apr-96	Nihon Nohyaku Co., Ltd.	殺虫fungicide
524	tefluthrin	25-Apr-96	Dow AgroSciences Japan Company	herbicide
525	Tefuryltrione	1-Apr-92	Ishihara Sangyo Kaisha,Ltd.	Insecticide

526	tepraloxymid	22-Dec-98	Syngenta Japan K.K.	Insecticide
527	terbacil	25-Apr-96	Marubeni Corporation	herbicide
528	tetraconazole	24-Apr-13	Nippon Soda Co.,Ltd.	fungicide
529	tetradifon	13-Apr-87	Bayer CropScience Co. Ltd.	Insecticide
530	tetraniliprole	8-Apr-94	Hokko Chemical Industry Co.,Ltd.	fungicide
531	tetrapion	4-Aug-10	Shin-Etsu Chemical Industries Co.,Ltd.	Others
532	thenylchlor	8-Nov-93	BASF Japan Ltd	Insecticide
533	thiacloprid	18-Oct-06	BASF Japan Ltd	fungicide
534	thiamethoxam	20-Dec-01	Nippon Soda Co.,Ltd.	Insecticide
535	thifensulfuron-methyl	13-Dec-10	Sumitomo Chemical Co.,Ltd.	herbicide
536	thifluzamide	1-Apr-92	Nissan Chemical Corporation	Insecticide
537	thiocyclam	9-Dec-98	Idemitsu Kosan Co. Ltd.	fungicide
538	thiodicarb	8-Feb-78	Maruwa Biochemical Co.,Ltd.	herbicide
539	thiophanate-methyl	13-Jun-18	Nippon Soda Co.,Ltd.	fungicide
540	thiuram	7-Mar-70	MITSUI CHEMICALS AGRO, INC	fungicide
541	tiadinil	28-Apr-00	OAT Agrico Co., Ltd.	fungicide
542	tolclofos-methyl	28-Jan-03	Kumiai Chemical Industry Co.,Ltd.	fungicide
543	tolfenpyrad	24-Apr-98	Syngenta Japan K.K.	fungicide
544	tolprocarb	25-Dec-68	FMC Chemicals Co., Ltd.	herbicide
545	tolpyralate	27-May-09	Nippon Soda Co.,Ltd.	herbicide
546	Topramezone	21-Jan-09	Hodogaya Agrotec	Others
547	TPN	13-Jun-13	Hodogaya Chemical Co.,Ltd.	herbicide
548	tralomethrin	19-Jul-66	Nissan Chemical Corporation	herbicide
549	Triafamone	28-Jan-04	Ishihara Sangyo Kaisha,Ltd.	Others
550	triaziflam	2-Apr-64	Ishihara Sangyo Kaisha,Ltd.	PGR
551	Trichoderma atroviride	25-Jun-86	Syngenta Japan K.K.	herbicide
552	triclopyr triethylammonium	6-Jun-07	Ishihara Sangyo Kaisha,Ltd.	fungicide
553	Triclopyrbutoxyethyl	24-Apr-87	Kumiai Chemical Industry Co.,Ltd.	herbicide
554	tricyclazole	17-Feb-69	Yonesawa Chemical Co. Ltd.	fungicide
555	trifloxystrobin	21-Feb-85	Nippon Soda Co.,Ltd.	herbicide
556	trifloxysulfuron-sodium	10-Aug-10	Syngenta Japan K.K.	herbicide
557	triflumezopyrim	14-Mar-81	SDS Biotech K.K.	fungicide

558	triflumizole	20-Sep-19	Sumitomo Chemical Co.,Ltd.	fungicide
559	trifluralin	4-Dec-00	Riken Green Co., Ltd.	herbicide
560	triforine	18-Mar-15	AGRO-KANESHO CO., LTD.	Insecticide
561	trinexapac-ethyl	9-Dec-98	Nissan Chemical Corporation	fungicide
562	Triticonazole	28-Feb-73	Dow AgroSciences Japan Company	herbicide
563	uniconazole p	26-Nov-02	Agri Souken	Insecticide
564	validamycin	21-Oct-87	Nissan Chemical Corporation	fungicide
565	Variovorax paradoxus	19-Mar-08	Central Glass Co., Ltd.	fungicide
566	Verticillium lecanii	11-Apr-03	Nihon Nohyaku Co., Ltd.	fungicide
567	zinc phosphide	7-Nov-90	Kumiai Chemical Industry Co.,Ltd.	Insecticide
568	ziram	20-Nov-91	Hokko Chemical Industry Co.,Ltd.	fungicide
569	zucchini yellow spot mosaic attenuated virus	20-Jan-17	Nippon Soda Co.,Ltd.	fungicide