

USDA Foreign Agricultural Service

GAIN Report

Global Agricultural Information Network

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POLICY

Voluntary - Public

Date: 11/29/2018

GAIN Report Number: KS1843

Korea - Republic of

Post: Seoul

Implementation of Positive List System for Maximum Residue Limits

Report Categories:

FAIRS Subject Report

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Report Highlights:

Korea's Ministry of Food and Drug Safety will begin implementation of its previously announced pesticide Positive List System (PLS) on January 1, 2019. The ministry took several steps to avoid trade disruptions during this transition. Exporters are encouraged to review this information closely. Information on Korea's testing protocol and pesticide database system is included.

General Information:

Korea will fully implement the Positive List System (PLS) starting January 1, 2019, as previously announced. As such, a 0.01 ppm default tolerance will apply when there are no established MRLs in Korea. Korea's current default policy of applying CODEX standards or, failing that, the lowest MRL set for the same crop group and a given compound in the absence of Korean national MRLs, will no longer apply. To avoid trade disruption and address industry concerns, the Ministry of Food & Drug Safety (MFDS) has taken the following measures:

- Accepted CODEX, EPA, and EU evaluation reports for generic compounds. This will continue after the end of 2018.
- Exempted submission of the Korean summary document for generic compounds with CODEX MRLs, until December 31, 2018.
- Expedited the review of Import Tolerance application (completed the review in five months upon a receipt of application).
- Expanded crop group MRLs.
- Maintained over 2,500 MRLs that were scheduled to be deleted until December 31, 2021.
- Set 3,342 temporary MRLs including 797 MRLs for imports on November 14, 2018, which will be valid until December 31, 2021
- Set 7 MRLs for compounds that are persistent in the environment, including BHC, DDT, and Endosulfan

MRL testing for Imported Food

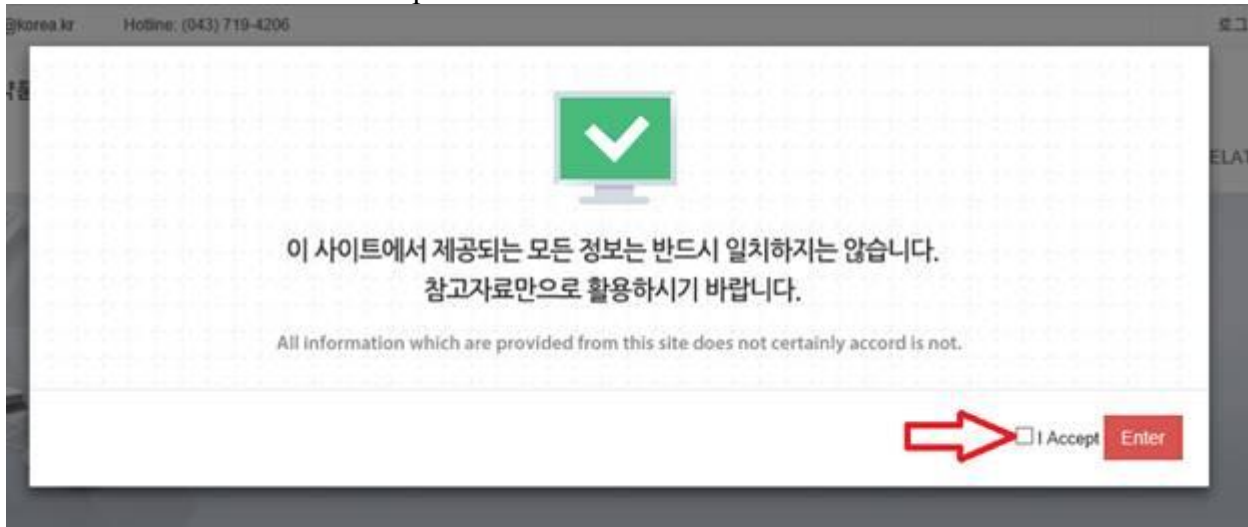
MFDS will continue the existing MRL testing program after PLS implementation in 2019 to minimize potential confusion resulting from the new system. The current MRL testing policy is as follows:

1. Any new to market product (no past record of import based upon a packinghouse for fruits and grain) is subject to mandatory laboratory testing for 58 compounds upon arrival. A list of 58 compounds is provided in Appendix 1 of this report.
2. Any product may be subject to random testing for 370 compounds. Samples are taken by the computer system based upon a past record, volume, etc. The list of 370 compounds follows.
3. Quarterly single residue test is conducted based upon market intelligence including third country violation, etc. MFDS selects 10 to 12 compounds every quarter and conducts testing. Information on selected compounds is not released to public.

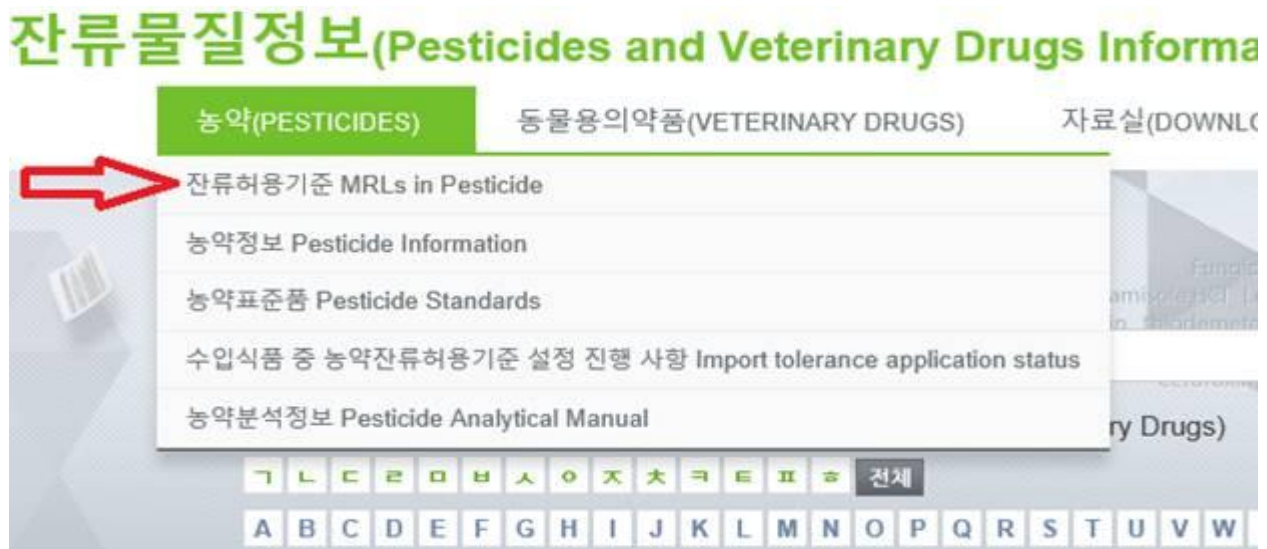
How to check the most up to date Korean MRLS

To check the latest MRLs set in Korea, please follow the instructions below. MRLs with “T” refer to temporary MRLs that will be maintained until December 31, 2021. MRLs with “+” refer to import tolerances. MRLs without any mark refer to Korea’s national MRLs. Both national MRLs and import tolerances equally apply to domestic and imported products.

1. Please go to <http://www.foodsafetykorea.go.kr/residue/main.do> The MRL database site operated by MFDS is a Korean language base with the English subtitles
2. Check a box for “I Accept” and click “Enter



3. Place a cursor on “Pesticides” and choose “MRLs in Pesticides”



4. You can search by pesticide or food name. For pesticides, simply type the name of a pesticide in

a box and click a green box. For example, if you search Carbaryl,

The screenshot shows the search interface with 'Carbaryl' entered in the search box. A red arrow points to the green '검색' (Search) button. Below the search box, a dropdown menu shows 'Carbaryl : NAC(카바질)'. The interface also includes radio buttons for '농약명(Pesticide name)' and '식품명(Food name)', a Korean/English language selector, and a checked option for '농산물의 잔류농약 잠정기준적용(Applicability of Pesticide MRLs for food in general)'.

5. For food name, please type the name of food in a box and click a green box. For example, if you search apple, type apple in a box.

The screenshot shows the search interface with 'apple' entered in the search box. A red arrow points to the green '검색' (Search) button. Below the search box, a dropdown menu lists search results: 'Apple juice(Apple juice)', 'Cashew apple(Cashew apple)', 'Custard apple(Custard apple)', 'Apple(사과)', and 'Pineapple(파인애플)'. The interface also includes radio buttons for '농약명(Pesticide name)' and '식품명(Food name)', a Korean/English language selector, and a checked option for '농산물의 잔류농약 잠정기준적용(Applicability of Pesticide MRLs for food in general)'.

6. The screen below will pop up. Please click apple with a red arrow.

The screenshot shows the search results table. A red arrow points to the 'Apple' entry in the '식품 영문명' column. The table has 6 columns: No., 식품 국문명, 식품 영문명, 대부분류, 중분류, and 소분류.

No.	식품 국문명	식품 영문명	대분류	중분류	소분류
1	사과	Apple	농산물	과실류	인과류

7. Then, you will see a list of Korean MRLs set for apple as below:

사과(Apple)

국내 농약잔류허용기준(Pesticide MRLs in Korea)

▶ 기준수 : 195

No	농약명	MRL(mg/Kg)
1	글루포시네이트(Glufosinate(ammonium))	0.05
2	나밤(Nabam)	2.0
3	노르플루라존(Norflurazon)	0.1 ^T
4	노발루론(Novaluron)	1.0
5	뉴아리몰(Nuarimol)	0.1 ^T
6	다이아지논(Diazinon)	0.05 ^T
7	도딘(Dodine)	5.0 ^T
8	디니코나졸(Diniconazole)	1.0
9	디메토에이트(Dimethoate)	1.0 ^T
10	디메틸디티오카바메이트(Dimethyl dithiocarbamates)	2.0
11	디아펜티우론(Diafenthiuron)	0.5 ^T

Appendix 1: List of 58 Compounds for Mandatory Laboratory Testing

No	Compound	No	Compound
1	Diazinon	30	Triadimefon
2	DDT	31	Triazophos
3	Dicofol	32	Triflumizole
4	Dichlorvos	33	Triflumuron
5	Malathion	34	Thiamethoxam
6	Methomyl	35	Parathion-methyl
7	Methoxyfenozide	36	Paclobutrazol
8	Methidathion	37	Permethrin
9	Boscalid	38	Fenitrothion
10	BHC	39	Fenvalerate
11	Bifenthrin	40	Phenthoate
12	Cypermethrin	41	Fenpropathrin
13	Cyprodinil	42	Fenhexamid
14	Cyhalothrin	43	Phosmet
15	Acetamiprid	44	Procymidone
16	Azoxystrobin	45	Prochloraz
17	Atrazine	46	Profenofos
18	Ethion	47	Flubendiamide
19	Endosulfan	48	Pyraclostrobin
20	Imazalil	49	Pyrimethanil

21	Isoprothiolane	50	Pirimiphos-methyl
22	Iprodione	51	Fludioxonil
23	Carbaryl	52	Dimethoate
24	Carbofuran	53	Chlorantraniliprole
25	Captan	54	Chlorobenzuron
26	Quintozene	55	Fipronil
27	Chlorothalonil	56	Lufenuron
28	Chlorpyrifos	57	Tebuconazole
29	Chlorfenapyr	58	2,6-Diisopropyl-naphthalene

Appendix 2: List of 370 Random Testing Compounds

No.	Pesticide	No.	Pesticide	No.	Pesticide
1	2,6-Diisopropyl-Naphthalene(DIPN)	21	Bromobutide	41	Chloroneb
2	Acrinathrin	22	Bromophos-methyl	42	Chloropropylate
3	Aldrin & dieldrin	23	Bromopropylate	43	Chlorothalonil
4	Allethrin	24	Bupirimate	44	Chlorpyrifos
5	Allidochlor	25	Butafenacil	45	Chlorpyrifos-methyl
6	Ametryn	26	Butralin	46	Chlorthal-dimethyl
7	Anilofos	27	Butylate	47	Chlorthion
8	Aspon	28	Cadusafos	48	Chlorthiophos
9	Atrazine	29	Captan	49	Chlozolate
10	Azaconazole	30	Carbophenothion	50	Cinmethylin
11	Azinphos-ethyl	31	Chinomethionate	51	Cyanazine
12	Azinphos-methyl	32	Chlorbufam	52	Cyanophos
13	Benalaxyl	33	Chlordane	53	Cycloate
14	BHC	34	Chlorethoxyfos	54	Cyflufenamid
15	Lindane(γ -BHC)	35	Chlorfenapyr	55	Cyfluthrin
16	Benodanil	36	Chlorfenson	56	Cyhalofop-butyl
17	Benzoylprop-ethyl	37	Chlorfluazuron	57	Cyhalothrin
18	Bifenoxy	38	Chlorflurenol-methyl	58	Cypermethrin
19	Bifenthrin	39	Chloridazon	59	Cyproconazole
20	Bromacil	40	Chlorobenzilate	60	Cyprodinil
61	Deltamethrin	81	Dioxathion	101	Etrimfos
62	Desmetryn	82	Diphenamid	102	Fenamidone
63	Diallate	83	Diphenylamine	103	Fenarimol
64	Diazinon	84	Dithiopyr	104	Fenazaquin
65	Dichlofenthion	85	DDT	105	Fenbuconazole
66	Dichlofluanid	86	Edifenphos	106	Fenchlorphos
67	Dichlormid	87	Endosulfan	107	Fenfuram
68	Dichlorvos	88	Endrin	108	Fenitrothion
69	Dicloran	89	EPN	109	Fenobucarb

70	Dicofol	90	Epoxiconazole	110	Fenothiocarb
71	Diethatyl-ethyl	91	EPTC	111	Fenoxanil
72	Diethofencarb	92	Esprocarb	112	Fenoxycarb
73	Diflufenican	93	Etaconazole	113	Fenpropathrin
74	Dimepiperate	94	Ethalfluralin	114	Fenson
75	Dimethachlor	95	Etofenprox	115	Fenthion
76	Dimethenamid	96	Ethion	116	Fenvalerate
77	Dimethoate	97	Ethofumesate	117	Fipronil
78	Dimethylvinphos	98	Ethoprophos	118	Flamprop-isopropyl
79	Diniconazole	99	Etoxazole	119	Flonicamid
80	Dinitramine	100	Etridiazole	120	Fluchloralin
121	Fludioxonil	141	Heptenophos	161	Mefenacet
122	Flufenpyr-ethyl	142	Hexachlorbenzene	162	Mefenpyr-diethyl
123	Flumetralin	143	Hexaconazole	163	Mepronil
124	Flumiclorac-pentyl	144	Imazalil	164	Metconazole
125	Flumioxazine	145	Indanofan	165	Methidathion
126	Fluopyram	146	Indoxacarb	166	Methoprotryne
127	Fluorodifen	147	Iprobenfos	167	Methoxychlor
128	Flurochloridone	148	Iprodione	168	Quintozene
129	Flurtamone	149	Iprovalicarb	169	Methyl trithion
130	Flusilazole	150	Isazofos	170	Metolachlor
131	Fluthiacet-methyl	151	Isofenphos	171	Metrafenone
132	Flutolanil	152	Isofenphos-methyl	172	Metribuzin
133	Flutriafol	153	Isopropalin	173	MGK-264
134	Fluvalinate	154	Isoprothiolane	174	Molinate
135	Folpet	155	Isoxathion	175	Myclobutanil
136	Fonofos	156	Kresoxim-methyl	176	Napropamide
137	Fosthiazate	157	Lactofen	177	Nitrapyrin
138	Fthalide	158	Leptophos	178	Nitrothal-isopropyl
139	Halfenprox	159	Malathion	179	Nonachlor
140	Heptachlor	160	Mecarbam	180	Nuarimol
181	Ofurace	201	Probenazole	221	Pyriminobac-methyl
182	Oxadixyl	202	Prochloraz	222	Quinalphos
183	Paclobutrazol	203	Procymidone	223	Quinoxifen
184	Parathion	204	Profenofos	224	Secbumeton
185	Parathion-methyl	205	Profluralin	225	Simeconazole
186	Pebulate	206	Prometon	226	Spiroxamine
187	Penconazole	207	Pronamide	227	Sulfotep
188	Pendimethalin	208	Propachlor	228	Sulprofos
189	Permethrin	209	Propazine	229	TCMTB
190	Phenthoate	210	Propetamphos	230	Tebuconazole
191	Pentoxazone	211	Propham	231	Tebufenpyrad
192	Phosalone	212	Propisochlor	232	Tebupirimfos

193	Phosmet	213	Prothiofos	233	Tefluthrin
194	Phosphamidone	214	Pyracarbolid	234	Terbacil
195	Picolinafen	215	Pyraclofos	235	Terbufos
196	Picoxystrobin	216	Pyrazophos	236	Terbumeton
197	Piperophos	217	Pyridaben	237	Terbuthylazine
198	Pirimicarb	218	Pyridalyl	238	Tetrachlorvinphos
199	Pirimiphos-ethyl	219	Pyrifenox	239	Tetraconazole
200	Pirimiphos-methyl	220	Pyrimidifen	240	Tetradifon
241	Tetramethrin	261	Aldicarb	281	Clothianidin
242	Tetrasul	262	Amisulbrom	282	Cyazofamid
243	Thiazopyr	263	Asulam	283	Cycloprothrin
244	Thifluzamide	264	Azamethiphos	284	Cymoxanil
245	Thiometon	265	Azoxystrobin	285	Dicrotophos
246	Tolclofos-methyl	266	Bendiocarb	286	Dimethomorph
247	Tolfenpyrad	267	Bensulide	287	Ethaboxam
248	Tolyfluanid	268	Benzoximate	288	Ethametsulfuron-methyl
249	Triadimefon	269	Bixafen	289	Ethiofencarb
250	Triadimenol	270	Boscalid	290	Fenhexamid
251	Triazophos	271	Butocarboxim	291	Fenpyroximate
252	Tribufos	272	Carbaryl	292	Ferimzone
253	Triflumizole	273	Carbetamide	293	Fluacrypyrim
254	Triflumuron	274	Carbofuran	294	Fluazinam
255	Trifluralin	275	Chlorantraniliprole	295	Flubendiamide
256	Uniconazole	276	Chlorimuron-ethyl	296	Flufenacet
257	Vernolate	277	Chlorobenzuron	297	Flufenoxuron
258	Vinclozolin	278	Chlorotoluron	298	Fluometuron
259	Zoxamide	279	Chromafenozide	299	Fluquinconazole
260	Acetamiprid	280	Cinosulfuron	300	Fluridone
301	Flusulfamide	325	Metominostrobin	349	Quinoclamine
302	Forchlorfenuron	326	Metosulam	350	Rimsulfuron
303	Hexaflumuron	327	Nitenpyram	351	Spirodiclofen
304	Imazamox	328	Novaluron	352	Sulfentrazone
305	Imazapic	329	Oxamyl	353	Tebufenozide
306	Imazaquin	330	Oxaziclomefon	354	Tebuthiuron
307	Imazethapyr	331	Phenmedipham	355	Teflubenzuron
308	Imibenconazole	332	Pinoxaden	356	Tepraloxydim
309	Ipconazole	333	Promecarb	357	Thenylchlor
310	Isoprocarb	334	Propaquizafop	358	Thiacloprid
311	Isoproturon	335	Propoxur	359	Thiamethoxam
312	Isoxaben	336	Propyrisulfuron	360	Tiadinil
313	Lenacil	337	Prosulfocarb	361	Tralkoxydim
314	Lufenuron	338	Prothioconazole	362	Triasulfuron
315	Malaoxon	339	Pyraclonil	363	Tribenuron-methyl

316	Mepanipyrim	340	Pyraclostrobin	364	Tricyclazole
317	Mesosulfuron-methyl	341	Pyraflufen-ethyl	365	Tridemorph
318	Metamifop	342	Pyrazolate	366	Trifloxystrobin
319	Metamitron	343	Pyribenzoxim	367	Trifloxysulfuron
320	Methabenzthiazuron	344	Pyributicarb	368	Trimethacarb
321	Methiocarb	345	Pyridate	369	Triticonazole
322	Methomyl(thiodicarb)	346	Pyrimethanil	370	XMC
323	Methoxyfenozide	347	Pyriproxyfen		
324	Metolcarb	348	Pyroquilon		