

List of agrochemicals to be monitored for the pomegranate

S. No.	Chemicals	Harmonized EU-MRL (mg/kg)
1.	1-Naphthylacetamide and 1-naphthylacetic acid (sum of 1-naphthylacetamide and 1-naphthylacetic acid and its salts, expressed as 1-naphthylacetic acid)	0.06*
2.	2-Bromo-2-nitropropane-1,3-diol	0.01*
3.	2,4-D (sum of 2,4-D, its salts, its esters and its conjugates, expressed as 2,4-D)	0.05*
4.	4-bromo-2-chlorophenol (metabolite of Profenophos)	0.01*
5.	4-Chloro-3-methylphenol	0.01*
6.	4- CPA (4-Chlorophenoxy acetic acid)	0.01*
7.	6-Benzyl adenine	0.01*
8.	Abamectin (sum of avermectin B1a, avermectin B1b and delta-8,9 isomer of avermectin B1a, expressed as avermectin B1a) (F) (R)	0.01*
9.	Acephate	0.01*
10.	Acetamiprid (R)	0.01*
11.	Afidopyropen	0.01*
12.	Alachlor	0.01*
13.	Aldrin and Dieldrin (Aldrin and dieldrin combined expressed as dieldrin) (F)	0.01*
14.	Allethrin and Bioallethrin	0.01*
15.	Ametoctradin (R)	0.01*
16.	Atrazine (F)	0.05*
17.	Azadirachtin	0.01*
18.	Azoxystrobin	0.01*
19.	Benalaxyl including other mixtures of constituent isomers including benalaxyl-M (sum of isomers)	0.05*
20.	Bendiocarb	0.01*
21.	Benomyl (see carbendazim) (sum of benomyl and carbendazim expressed as carbendazim) (R)	0.10*
22.	Bifenazate (sum of bifenazate plus bifenazate-diazene expressed as bifenazate) (F)	0.02*
23.	Bifenthrin (sum of isomers) (F)	0.01*
24.	Bitertanol (sum of isomers) (F)	0.01*
25.	Boscalid (F) (R)	0.01*
26.	Bupirimate	0.05*
27.	Buprofezin (F)	0.01*
28.	Butachlor	0.01*
29.	Captafol (F)	0.02*
30.	Captan (Sum of captan and THPI, expressed as captan) (R) (A)	0.03*
31.	Carbaryl (F)	0.01*

32.	Carbendazim and benomyl (sum of benomyl and carbendazim expressed as carbendazim) (R)	0.10*
33.	Carbofuran (sum of carbofuran (including any carbofuran generated from carbosulfan, benfuracarb or furathiocarb) and 3-OH carbofuran expressed as carbofuran) (R)	0.01*
34.	Carboxin (carboxin plus its metabolites carboxin sulfoxide and oxycarboxin (carboxin sulfone), expressed as carboxin)	0.03*
35.	Cartap	0.01*
36.	Chlorantraniliprole (DPX E-2Y45) (F)	0.40
37.	Chlordane (sum of cis- and trans-chlordane) (F) (R)	0.01*
38.	Chlorfenapyr	0.01*
39.	Chlorfenvinphos (F)	0.01*
40.	Chlorfluazuron	0.01*
41.	Chlormequat (sum of chlormequat and its salts, expressed as chlormequat-chloride)	0.01*
42.	Chlorothalonil (R)	0.01*
43.	Chlorpropham (F) (R)	0.01*
44.	Chlorpyrifos (F)	0.01*
45.	Chlorpyrifos-methyl (F) (R)	0.01*
46.	Chromafenozide	0.01*
47.	Clofentezine (R)	0.02*
48.	Clothianidin	0.01*
49.	Cyantraniliprole	0.01*
50.	Cyazofamid	0.01*
51.	Cyenopyrofen	0.01*
52.	Cyflufenamid (sum of cyflufenamid (Z-isomer) and its E-isomer, expressed as cyflufenamid) (A) (R)	0.01*
53.	Cyflumetofen	0.01*
54.	Cyfluthrin (cyfluthrin including other mixtures of constituent isomers (sum of isomers)) (F)	0.02*
55.	Cymoxanil	0.01*
56.	Cypermethrin (cypermethrin including other mixtures of constituent isomers (sum of isomers)) (F)	0.05*
57.	Cyproconazole (F)	0.05*
58.	Cyprodinil (R) (F)	5.0
59.	Dazomet (Methylisothiocyanate resulting from the use of dazomet and metam)	0.02*
60.	DDT (sum of p,p'-DDT, o,p'-DDT, p,p'-DDE and p,p'-TDE (DDD) expressed as DDT) (F)	0.05*
61.	Deltamethrin (cis-deltamethrin) (F)	0.01*
62.	Diafenthiuron	0.01*
63.	Diazinon (F)	0.01*
64.	Dichlorvos	0.01*
65.	Dicofol (sum of p, p' and o,p' isomers) (F)	0.02*

66.	Diieldrin (see Aldrin)	0.01*
67.	Difenoconazole	0.10
68.	Diflubenzuron (F) (R)	0.01*
69.	Dimethoate	0.01*
70.	Dimethomorph (sum of isomers)	0.01*
71.	Dinocap (sum of dinocap isomers and their corresponding phenols expressed as dinocap) (F)	0.05*
72.	Dinotefuran	0.01*
73.	Diquat	0.01*
74.	Dithianon	0.01*
75.	Dithiocarbamates (expressed as CS ₂ , including maneb, mancozeb, metiram, propineb, thiram and ziram)	0.05*
76.	Diuron	0.01*
77.	Dodine	0.01*
78.	Edifenphos	0.01*
79.	Emamectin benzoate B1a, expressed as emamectin	0.01*
80.	Endosulfan (sum of alpha- and beta-isomers and endosulfan-sulphate expressed as endosulfan) (F)	0.05*
81.	Endrin (F)	0.01*
82.	Epoxiconazole (F)	0.05*
83.	Ethephon	0.05*
84.	Ethion	0.01*
85.	Ethiprole	0.01*
86.	Ethylene oxide (sum of ethylene oxide and 2-chloro-ethanol expressed as ethylene oxide) (F)	0.02*
87.	Etofenprox (F)	0.01*
88.	Etoxazole	0.01*
89.	Etrimfos	0.01*
90.	Famoxadone (F)	0.01*
91.	Fenamidone	0.01*
92.	Fenarimol	0.02*
93.	Fenazaquin	0.01*
94.	Fenhexamid (F)	0.01*
95.	Fenitrothion	0.01*
96.	Fenobucarb	0.01*
97.	Fenpropathrin	0.01*
98.	Fenpyroximate (A) (F) (R)	0.01*
99.	Fenthion (fenthion and its oxigen analogue, their sulfoxides and sulfone expressed as parent) (F)	0.01*
100.	Fenvalerate (any ratio of constituent isomers (RR, SS, RS & SR) including esfenvalerate) (F) (R)	0.02*
101.	Fipronil (sum fipronil + sulfone metabolite (MB46136) expressed as fipronil) (F)	0.005*
102.	Flonicamid (sum of flonicamid, TFNA and TFNG expressed as	0.03*

	flonicamid) (R)	
103.	Fluazifop-P (sum of all the constituent isomers of fluazifop, its esters and its conjugates, expressed as fluazifop)	0.01*
104.	Flubendiamide (F)	0.01*
105.	Flufenacet (sum of all compounds containing the N fluorophenyl-N-isopropyl moiety expressed as flufenacet equivalent)	0.05*
106.	Flufenoxuron (F)	0.05*
107.	Flufenzin	0.02*
108.	Fluopicolide	0.01*
109.	Fluopyram (R)	0.01*
110.	Flupyradifurone	0.01*
111.	Flusilazole (R) (F)	0.01*
112.	Fluxapyroxad	0.01*
113.	Forchlorfenuron	0.01*
114.	Fosetyl-Al (sum of fosetyl, phosphonic acid and their salts, expressed as fosetyl)	2.00*
115.	Glufosinate-ammonium (sum of glufosinate, its salts, MPP and NAG expressed as glufosinate equivalents)	0.10
116.	Glyphosate	0.10*
117.	Heptachlor (sum of heptachlor and heptachlor epoxide expressed as heptachlor) (F)	0.01*
118.	Hexachlorocyclohexane (HCH), alpha-isomer (F)	0.01*
119.	Hexachlorocyclohexane (HCH), beta-isomer (F)	0.01*
120.	Hexaconazole	0.01*
121.	Hexythiazox	0.50
122.	Homobrassinolide	0.01*†
123.	Imidacloprid	1.00
124.	Indoxacarb (sum of indoxacarb and its R enantiomer) (F)	0.02*
125.	Iodosulfuron-methyl (sum of iodosulfuron-methyl and its salts, expressed as iodosulfuron-methyl)	0.01*
126.	Iprobenphos	0.01*
127.	Iprodione (R)	0.01*
128.	Iprovalicarb	0.01*
129.	Isoprothiolane	0.01*
130.	Isoproturon	0.01*
131.	Kasugamycin	0.01*
132.	Kresoxim-methyl (R)	0.01*
133.	Lambda-cyhalothrin (includes gamma-cyhalothrin) (sum of R,S and S,R isomers) (F)	0.01*
134.	Lindane (Gamma-isomer of hexachlorocyclohexane (HCH)) (F)	0.01*
135.	Linuron	0.01*
136.	Lufenuron (any ratio of constituent isomers) (F)	0.01*
137.	Malathion (sum of malathion and malaoxon expressed as malathion)	0.02*
138.	Mandipropamid	0.01*

139.	Matrine & Oxymatrine	0.01*
140.	Mepiquat (sum of mepiquat and its salts, expressed as mepiquat chloride)	0.02*
141.	Meptyldinocap (sum of 2,4 DNOPC and 2,4 DNOP expressed as meptyldinocap)	0.05*
142.	Metaflumizone (sum of E- and Z- isomers)	0.05*
143.	Metalaxyl and metalaxyl-M (metalaxyl including other mixtures of constituent isomers including metalaxyl-M (sum of isomers))	0.01*
144.	Methamidophos	0.01*
145.	Methomyl	0.01*
146.	Methoxyfenozide	0.60
147.	Metolachlor and S-metolachlor (metolachlor including other mixtures of constituent isomers including S-metolachlor (sum of isomers))	0.05*
148.	Metrafenone (F)	0.01*
149.	Metribuzin	0.10*
150.	Milbemectin (sum of milbemycin A4 and milbemycin A3, expressed as milbemectin)	0.02*
151.	Monocrotophos	0.01*
152.	Myclobutanil (R)	0.01*
153.	Nereistoxin	0.01*
154.	Nitenpyram	0.01*
155.	Novaluron (F)	0.01*
156.	Omethoate	0.01*
157.	Oxadiazon	0.05*
158.	Oxathiapiprolin	0.01*
159.	Oxycarboxin	0.01*
160.	Oxydemeton-methyl (sum of oxydemeton-methyl and demeton-S-methylsulfone expressed as oxydemeton-methyl)	0.01*
161.	Oxyfluorfen	0.05*
162.	Paclobutrazol (sum of constituent isomers)	0.01*
163.	Paraquat	0.02*
164.	Parathion (F)	0.05*
165.	Parathion-methyl (sum of Parathion-methyl and paraoxon-methyl expressed as Parathion-methyl)	0.01*
166.	Penconazole (F)	0.01*
167.	Pencycuron (sum of pencycuron and pencycuron-PB-amine, expressed as pencycuron) (R) (F) (A)	0.02*
168.	Pendimethalin (F)	0.05*
169.	Permethrin (sum of isomers) (F)	0.05*
170.	Phenthoate	0.01*
171.	Phorate (sum of phorate, its oxygen analogue and their sulfones expressed as phorate)	0.01*
172.	Phosalone	0.01*
173.	Phosphamidon	0.01*

174.	Picoxystrobin (F)	0.01*
175.	Pirimiphos-methyl (F)	0.01*
176.	Prochloraz (sum of prochloraz, BTS 44595 (M201-04) and BTS 44596 (M201-03), expressed as prochloraz) (F)	7.0
177.	Profenofos (F)	0.01*
178.	Propamocarb (Sum of propamocarb and its salts, expressed as propamocarb) (R)	0.01*
179.	Propanil	0.01*
180.	Propargite (F)	0.01*
181.	Propetamphos	0.01*
182.	Propiconazole (sum of isomers) (F)	0.01*
183.	Propineb	0.05*
184.	Propoxur	0.05*
185.	Pymetrozine (R)	0.02*
186.	Pyraclostrobin (F)	0.02*
187.	Pyridaben (F)	0.01*
188.	Pyridalyl	0.01*
189.	Pyriproxyfen (F)	0.05*
190.	Quinalphos (F)	0.01*
191.	Simazine	0.01*
192.	Spinetoram (XDE-175)	0.05*
193.	Spinosad (spinosad, sum of spinosyn A and spinosyn D) (F)	0.02*
194.	Spirodiclofen (F)	0.02*
195.	Spiromesifen	0.02*
196.	Spirotetramat and its 4 metabolites BYI08330-enol, BYI08330-ketohydroxy, BYI08330-monohydroxy, and BYI08330 enol-glucoside, expressed as spirotetramat (R)	0.50
197.	Streptomycin Sulphate	0.01*
198.	Sulfoxaflor (sum of isomers)	0.01*
199.	<i>tau</i> -Fluvalinate (F)	0.01*
200.	Tebuconazole (R)	0.02*
201.	Temephos	0.01*
202.	Tetraconazole (F)	0.02*
203.	Tetracycline hydrochloride	0.01*
204.	Thiabendazole (R)	0.01*
205.	Thiacloprid	0.01*
206.	Thiamethoxam	0.01*
207.	Thiobencarb (4-chlorobenzyl methyl sulfone) (A)	0.01*
208.	Thiocyclam	0.01*
209.	Thiodicarb	0.01*
210.	Thiometon	0.01*
211.	Thiophanate-methyl (R)	0.10*
212.	Tolfenpyrad	0.01*
213.	Transfluthrin	0.01*

214.	Triadimefon	0.01*
215.	Triadimenol (any ratio of constituent isomers)	0.01*
216.	Triazophos (F)	0.01*
217.	Trichlorfon	0.01*
218.	Tricyclazole	0.01*
219.	Tridemorph (F)	0.01*
220.	Trifloxystrobin (F) (R)	0.01*
221.	Trifluralin	0.01*
222.	Uracil	1.00†

<https://ec.europa.eu/food/plant/pesticides/eu-pesticides-database/products/?event=details&p=78>

* Indicates lower limit of analytical determination.

† These are natural products. EU-MRL does not exist for these chemicals. Hence, their MRL is set at the LOQ of the method developed and validated at the National Referral Laboratory of the ICAR-NRC for Grapes.