National Referral Laboratory
ICAR-National Research Centre for Grapes, Manjari farm, Pune 412 307

TARGET LIST OF ANALYTES (PT ID: NRL / PT-FV /2025/Apple-1)

SR.NO.	NAME OF CHEMICALS/ PESTICIDES	PT RANGE (mg/kg)
1.	4-Bromo-2-chlorophenol	0.02-0.250
2.	4-Chloro-3-methylphenol	0.02-0.250
3.	Abamectin	0.02-0.250
4.	Acephate	0.02-0.250
5.	Acetamiprid	0.02-0.250
6.	Afidopyropen	0.02-0.250
7.	Alachlor	0.02-0.250
8.	Aldicarb	0.02-0.250
9.	Aldrin (only parent Aldrin)	0.02-0.250
10.	Dieldrin	0.02-0.250
11.	Allethrin and Bioallethrin	0.02-0.250
12.	Ametoctradin	0.02-0.250
13.	Ametryn	0.02-0.250
14.	Amisulbrom	0.02-0.250
15.	Anilofos	0.02-0.250
16.	Atrazine	0.02-0.250
17.	Azimsulfuron	0.02-0.250
18.	Azoxystrobin	0.02-0.250
19.	Benalaxyl including other mixtures of constituent isomers including Benalaxyl-M (sum of isomers)	0.02-0.250
20.	Bendiocarb	0.02-0.250
21.	Benomyl (see carbendazim)	0.02-0.250
22.	Bensulfuron-methyl	0.02-0.250
23.	Bifenazate (only parent Bifenazate)	0.02-0.250
24.	Bifenazate-diazene	0.02-0.250
25.	Bifenthrin (sum of isomers)	0.02-0.250
26.	Bispyribac	0.02-0.250
27.	Bitertanol (sum of isomers)	0.02-0.250
28.	Boscalid	0.02-0.250
29.	Bupirimate	0.02-0.250
30.	Buprofezin	0.02-0.250
31.	Butachlor	0.02-0.250
32.	Captafol	0.02-0.250
33.	Captan (only parent Captan)	0.02-0.250
34.	Tetrahydrophthalimide	0.02-0.250
35.	Carbaryl	0.02-0.250
36.	Carbendazim and benomyl (sum of benomyl and carbendazim expressed as carbendazim)	0.02-0.250
37.	Carbofuran (only parent Carbofuran)	0.02-0.250
38.	Carbosulfan	0.02-0.250
39.	Furathiocarb	0.02-0.250
40.	Benfuracarb	0.02-0.250
41.	3-hydroxy carbofuran	0.02-0.250
42.	Carboxin (only parent Carboxin)	0.02-0.250
43.	Carboxin sulfoxide	0.02-0.250

SR.NO.	NAME OF CHEMICALS/ PESTICIDES	PT RANGE (mg/kg)
44.	Oxycarboxin (carboxin sulfone)	0.02-0.250
45.	Carfentrazone-ethyl (sum of carfentrazone-ethyl and carfentrazone, expressed as carfentrazone-ethyl)	0.02-0.250
46.	Carpropamid	0.02-0.250
47.	Cartap hydrochloride	0.02-0.250
48.	Chlorantraniliprole	0.02-0.250
49.	Chlordane (cis)	0.02-0.250
50.	Chlordane (trans)	0.02-0.250
51.	Chlorfenapyr	0.02-0.250
52.	Chlorfenvinphos	0.02-0.250
53.	Chlorfluazuron	0.02-0.250
54.	Chlorimuron-ethyl	0.02-0.250
55.	Chlorothalonil	0.02-0.250
56.	Chlorpropham	0.02-0.250
57.	Chlorpyrifos	0.02-0.250
58.	Chlorpyrifos-methyl	0.02-0.250
59.	Chromafenozide	0.02-0.250
60.	Cinmethylene	0.02-0.250
61.	Clethodim (only parent Clethodim)	0.02-0.250
62.	Sethoxydim	0.02-0.250
63.	Clofentezine	0.02-0.250
64.	Clomazone	0.02-0.250
65.	Clothianidin	0.02-0.250
66.	Coumachlor	0.02-0.250
67.	Coumatetralyl	0.02-0.250
68.	Cyantraniliprole	0.02-0.250
69.	Cyazofamid	0.02-0.250
70.	Cyenopyrofen	0.02-0.250
71.	Cyflufenamid (sum of cyflufenamid (Z-isomer) and its E-isomer, expressed as cyflufenamid)	0.02-0.250
72.	Cyflumetofen	0.02-0.250
73.	Cyfluthrin (including other mixtures of constituent isomers sum of isomers)	0.02-0.250
74.	Cyhalofop-butyl	0.02-0.250
75.	Cymoxanil	0.02-0.250
76.	Cypermethrin (cypermethrin including other mixtures of constituent isomers (sum of isomers))	0.02-0.250
77.	Cyproconazole	0.02-0.250
78.	Cyprodinil	0.02-0.250
79.	p,p´-DDT	0.02-0.250
80.	o,p´-DDT	0.02-0.250
81.	p,p´-DDE	0.02-0.250
82.	p,p´-TDE (DDD)	0.02-0.250
83.	Deltamethrin (cis-deltamethrin)	0.02-0.250
84.	Diafenthiuron	0.02-0.250
85.	Diazinon	0.02-0.250

SR.NO.	NAME OF CHEMICALS/ PESTICIDES	PT RANGE (mg/kg)
86.	Dichlorvos	0.02-0.250
87.	Diclofop (sum diclofop-methyl and diclofop acid expressed as diclofop-methyl	0.02-0.250
88.	Diclosulam	0.02-0.250
89.	Dicofol (p,p)	0.02-0.250
90.	Dicofol (o,p)	0.02-0.250
91.	Dieldrin (only Dieldrin)	0.02-0.250
92.	Difenoconazole	0.02-0.250
93.	Diflubenzuron	0.02-0.250
94.	Dimethoate	0.02-0.250
95.	Dimethomorph (sum of isomers)	0.02-0.250
96.	Dinocap	0.02-0.250
97.	Dinotefuran	0.02-0.250
98.	Dithianon	0.02-0.250
99.	Diuron	0.02-0.250
100.	Edifenphos	0.02-0.250
101.	Emamectin benzoate	0.02-0.250
102.	Endosulphan alpha	0.02-0.250
103.	Endosulphan beta	0.02-0.250
104.	Endosulphan sulphate	0.02-0.250
105.	Endrin	0.02-0.250
106.	Epoxiconazole	0.02-0.250
107.	Ethion	0.02-0.250
108.	Ethiprole	0.02-0.250
109.	Ethofenprox (Etofenprox)	0.02-0.250
110.	Ethoxysulfuron	0.02-0.250
111.	Etoxazole	0.02-0.250
112.	Etrimfos	0.02-0.250
113.	Famoxadone	0.02-0.250
114.	Fenamidone	0.02-0.250
115.	Fenarimol	0.02-0.250
116.	Fenazaquin	0.02-0.250
117.	Fenhexamid	0.02-0.250
118.	Fenitrothion	0.02-0.250
119.	Fenobucarb	0.02-0.250
120.	Fenoxaprop-p	0.02-0.250
121.	Fenpropathrin	0.02-0.250
122.	Fenpyroximate	0.02-0.250
123.	Fenthion (fenthion and its oxygen analogue, their sulfoxides and sulfone expressed as parent)	0.02-0.250
124.	Fenvalerate	0.02-0.250
125.	Fipronil (Sum of fipronil+ sulfone metabolite expressed as fipronil)	0.02-0.250
126.	Flonicamid (Sum of Flonicamd, TNFG and TNFA expressed as a Flonicamid)	0.02-0.250
127.	Fluazifop-P (sum of all the constituent isomers of fluazifop, its esters and its conjugates, expressed as fluazifop)	0.02-0.250

SR.NO.	NAME OF CHEMICALS/ PESTICIDES	PT RANGE (mg/kg)
128.	Flubendiamide	0.02-0.250
129.	Flucetosulfuron	0.02-0.250
130.	Fluchloralin	0.02-0.250
131.	Fluensulfone	0.02-0.250
132.	Flufenacet	0.02-0.250
133.	Flufenoxuron	0.02-0.250
134.	Flufenzin	0.02-0.250
135.	Flumioxazine	0.02-0.250
136.	Fluopicolide	0.02-0.250
137.	Fluopyram	0.02-0.250
138.	Flupyradifurone	0.02-0.250
139.	Flusilazole	0.02-0.250
140.	Fluthiacet-methyl	0.02-0.250
141.	Fluxapyroxad	0.02-0.250
142.	Fomesafen	0.02-0.250
143.	Forchlorfenuron (CPPU)	0.02-0.250
144.	Halosulfuron methyl	0.02-0.250
145.	Haloxyfop	0.02-0.250
146.	Heptachlor (only parent Heptachlor)	0.02-0.250
147.	Heptachlor epoxide	0.02-0.250
148.	Hexachlorocyclohexane (HCH), alpha-isomer	0.02-0.250
149.	Hexachlorocyclohexane (HCH), beta-isomer	0.02-0.250
150.	Hexaconazole	0.02-0.250
151.	Hexazinone	0.02-0.250
152.	Hexythiazox	0.02-0.250
153.	Imazamox	0.02-0.250
154.	Imazethapyr	0.02-0.250
155.	Imidacloprid	0.02-0.250
156.	Indaziflam	0.02-0.250
157.	Indoxacarb (sum of indoxacarb and its R enantiomer)	0.02-0.250
158.	Iodosulfuron-methyl	0.02-0.250
159.	Iprobenphos	0.02-0.250
160.	Iprodione	0.02-0.250
161.	Iprovalicarb	0.02-0.250
162.	Isoprothiolane	0.02-0.250
163.	Isoproturon	0.02-0.250
164.	Ivermectin	0.02-0.250
165.	Kresoxim methyl	0.02-0.250
166.	Lambda-cyhalothrin	0.02-0.250
167.	Lindane (Gamma-isomer of hexachlorocyclohexane (HCH))	0.02-0.250
168.	Linuron	0.02-0.250
169.	Lufenuron	0.02-0.250
170.	Malathion (sum of malathion and malaoxon expressed as malathion)	0.02-0.250
171.	Mandipropamid	0.02-0.250

SR.NO.	NAME OF CHEMICALS/ PESTICIDES	PT RANGE (mg/kg)
172.	Metaflumizone (sum of E- and Z-isomers)	0.02-0.250
173.	Metalaxyl (only parent Metalaxyl)	0.02-0.250
174.	Metamifop	0.02-0.250
175.	Metamitron	0.02-0.250
176.	Methabenzthiazuron	0.02-0.250
177.	Methamidophos	0.02-0.250
178.	Methomyl	0.02-0.250
179.	Methoxyfenazide	0.02-0.250
180.	S-Metolachlor	0.02-0.250
181.	Metrafenone	0.02-0.250
182.	Metribuzin	0.02-0.250
183.	Monocrotophos	0.02-0.250
184.	Myclobutanil	0.02-0.250
185.	Nereistoxin	0.02-0.250
186.	Nitenpyram	0.02-0.250
187.	Novaluron	0.02-0.250
188.	Omethoate	0.02-0.250
189.	Orthosulfamuron	0.02-0.250
190.	Oxadiargyl	0.02-0.250
191.	Oxadiazon	0.02-0.250
192.	Oxathiapiprolin	0.02-0.250
193.	Oxycarboxin	0.02-0.250
194.	Oxydemeton- methyl	0.02-0.250
195.	Oxyfluorfen	0.02-0.250
196.	Paclobutrazol	0.02-0.250
197.	Parathion - methyl (sum of Parathion-methyl and paraoxon- methyl expressed as Parathion -methyl)	0.02-0.250
198.	Parathion ethyl	0.02-0.250
199.	Penconazole	0.02-0.250
200.	Pencycuron	0.02-0.250
201.	Pendimethalin	0.02-0.250
202.	Penoxsulam	0.02-0.250
203.	Permethrin (sum of isomers)	0.02-0.250
204.	Phenthoate	0.02-0.250
205.	Phorate (sum of phorate, its oxygen analogue and their sulfones expressed as phorate)	0.02-0.250
206.	Phosalone	0.02-0.250
207.	Phosphamidon	0.02-0.250
208.	Picoxystrobin	0.02-0.250
209.	Pinoxaden	0.02-0.250
210.	Pirimiphos-methyl	0.02-0.250
211.	Pretilachlor	0.02-0.250
212.	Profenophos	0.02-0.250
213.	Propamocarb	0.02-0.250
214.	Propanil	0.02-0.250
215.	Propargite	0.02-0.250

SR.NO.	NAME OF CHEMICALS/ PESTICIDES	PT RANGE (mg/kg)
216.	Propetamphos	0.02-0.250
217.	Propiconazole	0.02-0.250
218.	Propoxur	0.02-0.250
219.	Pymetrozine	0.02-0.250
220.	Pyraclostrobin	0.02-0.250
221.	Pyrazosulfuron-ethyl	0.02-0.250
222.	Pyridaben	0.02-0.250
223.	Pyridalyl	0.02-0.250
224.	Pyriproxyfen	0.02-0.250
225.	Pyrithiobac-sodium	0.02-0.250
226.	Pyroxasulfone	0.02-0.250
227.	Quinalphos	0.02-0.250
228.	Quinoxyfen	0.02-0.250
229.	Simazine	0.02-0.250
230.	Spinetoram	0.02-0.250
231.	Spinosyn A	0.02-0.250
232.	Spinosyn D	0.02-0.250
233.	Spirodiclofen	0.02-0.250
234.	Spiromesifen	0.02-0.250
235.	Spirotetramat and spirotetramat-enol (sum of), expressed as spirotetramat (R)	0.02-0.250
236.	Spirotetramat-enol	0.02-0.250
237.	Sulfentrazone	0.02-0.250
238.	Sulfosulfuron	0.02-0.250
239.	Sulfoxaflor (sum of isomers)	0.02-0.250
240.	tau-Fluvalinate	0.02-0.250
241.	Tebuconazole	0.02-0.250
242.	Tembotrione	0.02-0.250
243.	Temephos	0.02-0.250
244.	Tetraconazole	0.02-0.250
245.	Thiabendazole	0.02-0.250
246.	Thiacloprid	0.02-0.250
247.	Thiamethoxam	0.02-0.250
248.	Thifluzamide	0.02-0.250
249.	Thiobencarb	0.02-0.250
250.	Thiocyclam	0.02-0.250
251.	Thiodicarb	0.02-0.250
252.	Thiometon	0.02-0.250
253.	Thiophanate-methyl	0.02-0.250
254.	Tolfenpyrad	0.02-0.250
255.	Topramezone	0.02-0.250
256.	Transfluthrin	0.02-0.250
257.	Triadimefon	0.02-0.250
258.	Triadimenol	0.02-0.250
259.	Triafamone	0.02-0.250
260.	Tri-allate	0.02-0.250
261.	Triasulfuron	0.02-0.250
262.	Triazophos	0.02-0.250
263.	Trichlorfon	0.02-0.250

SR.NO.	NAME OF CHEMICALS/ PESTICIDES	PT RANGE (mg/kg)
264.	Tricyclazole	0.02-0.250
265.	Tridemorph	0.02-0.250
266.	Trifloxystrobin	0.02-0.250
267.	Triflumezopyrim	0.02-0.250
268.	Triflumizole	0.02-0.250
269.	Trifluralin	0.02-0.250
270.	Validamycin	0.02-0.250
271.	Zoxamide	0.02-0.250

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