

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

TARGET LIST OF ANALYTES (PT ID: NRL / PT-FV /2026/Grape-1)

Sr. No.	Name of Chemicals/ Pesticides	PT range (mg/kg)
1.	1-Naphthylacetamide and 1-naphthylacetic acid	0.02-0.250
2.	2,4-D	0.02-0.250
3.	4-Bromo-2-chlorophenol (a metabolite of Profenophos)	0.02-0.250
4.	4-Chloro-3-methylphenol	0.02-0.250
5.	6-Benzyl adenine	0.02-0.250
6.	Abamectin	0.02-0.250
7.	Acephate	0.02-0.250
8.	Acetamiprid	0.02-0.250
9.	Afidopyropen	0.02-0.250
10.	Alachlor	0.02-0.250
11.	Aldicarb	0.02-0.250
12.	Aldrin and Dieldrin (Aldrin and dieldrin combined expressed as dieldrin)	0.02-0.250
13.	Allethrin and Bioallethrin	0.02-0.250
14.	Ametoctradin	0.02-0.250
15.	Ametryn	0.02-0.250
16.	Amisulbrom	0.02-0.250
17.	Anilofos	0.02-0.250
18.	Atrazine	0.02-0.250
19.	Azadirachtin	0.02-0.250
20.	Azimsulfuron	0.02-0.250
21.	Azoxystrobin	0.02-0.250
22.	Benalaxyl including other mixtures of constituent isomers including Benalaxyl-M (sum of isomers)	0.02-0.250
23.	Bendiocarb	0.02-0.250
24.	Benomyl (see carbendazim)	0.02-0.250
25.	Bensulfuron-methyl	0.02-0.250
26.	Bifenazate (sum of bifenazate plus bifenazate-diazene expressed as bifenazate)	0.02-0.250
27.	Bifenthrin (sum of isomers)	0.02-0.250
28.	Bispyribac (sum of bispyribac, its salts and its esters, expressed as bispyribac)	0.02-0.250
29.	Bitertanol (sum of isomers)	0.02-0.250
30.	Boscalid	0.02-0.250
31.	Bupirimate	0.02-0.250
32.	Buprofezin	0.02-0.250
33.	Butachlor	0.02-0.250
34.	Captafol	0.02-0.250
35.	Captan (Sum of captan and tetrahydrophthalimide, expressed as captan)	0.02-0.250
36.	Carbaryl	0.02-0.250
37.	Carbendazim and benomyl (sum of benomyl and carbendazim expressed as carbendazim)	0.02-0.250

Sr. No.	Name of Chemicals/ Pesticides	PT range (mg/kg)
38.	Carbofuran (sum of carbofuran (including any carbofuran generated from carbosulfan, benfuracarb or furathiocarb) and 3hydroxy carbofuran expressed as carbofuran)	0.02-0.250
39.	Carboxin (carboxin plus its metabolites carboxin sulfoxide and oxycarboxin (carboxin sulfone), expressed as carboxin)	0.02-0.250
40.	Carfentrazone-ethyl (sum of carfentrazone-ethyl and carfentrazone, expressed as carfentrazone-ethyl)	0.02-0.250
41.	Carpropamid	0.02-0.250
42.	Cartap hydrochloride	0.02-0.250
43.	Chlorantraniliprole	0.02-0.250
44.	Chlordane (sum of cis- and trans-chlordane)	0.02-0.250
45.	Chlorfenapyr	0.02-0.250
46.	Chlorfenvinphos	0.02-0.250
47.	Chlorfluazuron	0.02-0.250
48.	Chlorimuron-ethyl	0.02-0.250
49.	Chlormequat (CCC)	0.02-0.250
50.	Chlorothalonil	0.02-0.250
51.	Chlorpropham	0.02-0.250
52.	Chlorpyrifos	0.02-0.250
53.	Chlorpyrifos-methyl	0.02-0.250
54.	Chromafenozide	0.02-0.250
55.	Cinmethylen	0.02-0.250
56.	Clethodim (sum of Sethoxydim and Clethodim including degradation products calculated as Sethoxydim)	0.02-0.250
57.	Clofentezine	0.02-0.250
58.	Clomazone	0.02-0.250
59.	Clothianidin	0.02-0.250
60.	Coumachlor	0.02-0.250
61.	Coumatetralyl	0.02-0.250
62.	Cyantraniliprole	0.02-0.250
63.	Cyazofamid	0.02-0.250
64.	Cyenopyrofen	0.02-0.250
65.	Cyflufenamid (sum of cyflufenamid (Z-isomer) and its E-isomer, expressed as cyflufenamid)	0.02-0.250
66.	Cyflumetofen	0.02-0.250
67.	Cyfluthrin (including other mixtures of constituent isomers sum of isomers)	0.02-0.250
68.	Cyhalofop-butyl	0.02-0.250
69.	Cymoxanil	0.02-0.250
70.	Cypermethrin (cypermethrin including other mixtures of constituent isomers (sum of isomers))	0.02-0.250
71.	Cyproconazole	0.02-0.250
72.	Cyprodinil	0.02-0.250
73.	DDT (all isomers, sum of p,p'-DDT, o,p'-DDT, p,p'-DDE and p,p'-TDE (DDD) expressed as DDT)	0.02-0.250

Sr. No.	Name of Chemicals/ Pesticides	PT range (mg/kg)
74.	Deltamethrin (cis-deltamethrin)	0.02-0.250
75.	Diafenthiuron	0.02-0.250
76.	Diazinon	0.02-0.250
77.	Dichlorvos	0.02-0.250
78.	Diclofop (sum diclofop-methyl and diclofop acid expressed as diclofop-methyl)	0.02-0.250
79.	Diclosulam	0.02-0.250
80.	Dicofol (sum of p,p' and o,p' isomers)	0.02-0.250
81.	Dieldrin (see Aldrin)	0.02-0.250
82.	Difenoconazole	0.02-0.250
83.	Diffubenzuron	0.02-0.250
84.	Dimethoate	0.02-0.250
85.	Dimethomorph (sum of isomers)	0.02-0.250
86.	Dinocap (sum of dinocap isomers and their corresponding phenols expressed as dinocap) (Where only meptyldinocap or its corresponding phenol are detected but none of the other components constituting dinocap (including their corresponding phenols), the MRLs and residue definition of meptyldinocap are to be applied)	0.02-0.250
87.	Dinotefuran	0.02-0.250
88.	Diquat	0.02-0.250
89.	Dithianon	0.02-0.250
90.	Dithiocarbamates (dithiocarbamates expressed as CS ₂ , including maneb, mancozeb, metiram, thiram and ziram)	0.02-0.250
91.	Diuron	0.02-0.250
92.	Dodine	0.02-0.250
93.	Edifenphos	0.02-0.250
94.	Emamectin benzoate B1a, expressed as emamectin	0.02-0.250
95.	Endosulphan (All isomers, sum of alpha- and beta-isomers and endosulphan sulphate expressed as endosulphan)	0.02-0.250
96.	Endrin	0.02-0.250
97.	Epoxiconazole	0.02-0.250
98.	Ethephon	0.02-0.250
99.	Ethion	0.02-0.250
100.	Ethiprole	0.02-0.250
101.	Ethofenprox (Etofenprox)	0.02-0.250
102.	Ethoxysulfuron	0.02-0.250
103.	Ethylene oxide (sum of ethylene oxide and 2-chloroethanol expressed as ethylene oxide)	0.02-0.250
104.	Etoxazole	0.02-0.250
105.	Etrimfos	0.02-0.250
106.	Famoxadone	0.02-0.250
107.	Fenamidone	0.02-0.250
108.	Fenarimol	0.02-0.250
109.	Fenazaquin	0.02-0.250

Sr. No.	Name of Chemicals/ Pesticides	PT range (mg/kg)
110.	Fenhexamid	0.02-0.250
111.	Fenitrothion	0.02-0.250
112.	Fenobucarb	0.02-0.250
113.	Fenoxaprop-p	0.02-0.250
114.	Fenpropathrin	0.02-0.250
115.	Fenpyroximate	0.02-0.250
116.	Fenthion (fenthion and its oxygen analogue, their sulfoxides and sulfone expressed as parent)	0.02-0.250
117.	Fenvalerate (any ratio of constituent isomers (RR, SS, RS & SR) including esfenvalerate)	0.02-0.250
118.	Fipronil (sum of fipronil + sulfone metabolite (MB46136) expressed as fipronil)	0.02-0.250
119.	Flonicamid (sum of flonicamid, TNFG and TNFA expressed as flonicamid)	0.02-0.250
120.	Fluazifop-P (sum of all the constituent isomers of fluazifop, its esters and its conjugates, expressed as fluazifop)	0.02-0.250
121.	Flubendiamide	0.02-0.250
122.	Flucetosulfuron	0.02-0.250
123.	Fluchloralin	0.02-0.250
124.	Fluensulfone	0.02-0.250
125.	Flufenacet (sum of all compounds containing the N-fluorophenyl-N-isopropyl moiety expressed as flufenacet equivalent)	0.02-0.250
126.	Flufenoxuron	0.02-0.250
127.	Flufenzin	0.02-0.250
128.	Flumioxazine	0.02-0.250
129.	Fluopicolide	0.02-0.250
130.	Fluopyram	0.02-0.250
131.	Flupyradifurone	0.02-0.250
132.	Flusilazole	0.02-0.250
133.	Fluthiacet-methyl	0.02-0.250
134.	Fluxapyroxad	0.02-0.250
135.	Fomesafen	0.02-0.250
136.	Forchlorfenuron (CPPU)	0.02-0.250
137.	Fosetyl-Al (sum fosetyl + phosphorous acid and their salts, expressed as fosetyl)	0.02-0.250
138.	Halosulfuron methyl	0.02-0.250
139.	Haloxifop (Sum of haloxifop, its esters, salts and conjugates expressed as haloxifop (sum of 0.01 the R- and S-isomers at any ratio))	0.02-0.250
140.	Heptachlor (sum of heptachlor and heptachlor epoxide expressed as heptachlor)	0.02-0.250
141.	Hexachlorocyclohexane (HCH), alpha-isomer	0.02-0.250
142.	Hexachlorocyclohexane (HCH), beta-isomer	0.02-0.250
143.	Hexaconazole	0.02-0.250

Sr. No.	Name of Chemicals/ Pesticides	PT range (mg/kg)
144.	Hexazinone	0.02-0.250
145.	Hexythiazox	0.02-0.250
146.	Imazamox	0.02-0.250
147.	Imazethapyr	0.02-0.250
148.	Imidacloprid	0.02-0.250
149.	Indaziflam	0.02-0.250
150.	Indoxacarb (sum of indoxacarb and its R enantiomer)	0.02-0.250
151.	Iodosulfuron-methyl (sum of iodosulfuron-methyl and its salts, expressed as iodosulfuron-methyl)	0.02-0.250
152.	Iprobenphos	0.02-0.250
153.	Iprodione	0.02-0.250
154.	Iprovalicarb	0.02-0.250
155.	Isoprothiolane	0.02-0.250
156.	Isoproturon	0.02-0.250
157.	Ivermectin	0.02-0.250
158.	Kresoxim methyl	0.02-0.250
159.	Lambda-cyhalothrin (includes gamma-cyhalothrin) (sum of R,S and S,R isomers)	0.02-0.250
160.	Lindane (Gamma-isomer of hexachlorocyclohexane (HCH))	0.02-0.250
161.	Linuron	0.02-0.250
162.	Lufenuron (any ratio of constituent isomers)	0.02-0.250
163.	Malathion (sum of malathion and malaoxon expressed as malathion)	0.02-0.250
164.	Mandipropamid	0.02-0.250
165.	Matrine & Oxymatrine	0.02-0.250
166.	Mepiquat (sum of mepiquat and its salts, expressed as mepiquat chloride)	0.02-0.250
167.	Meptyldinocap	0.02-0.250
168.	Metaflumizone (sum of E- and Z- isomers)	0.02-0.250
169.	Metalaxyl and Metalaxyl-M (metalaxyl including other mixtures of constituent isomers including metalaxyl-M (sum of isomers))	0.02-0.250
170.	Metamifop	0.02-0.250
171.	Metamitron	0.02-0.250
172.	Methabenzthiazuron	0.02-0.250
173.	Methamidophos	0.02-0.250
174.	Methomyl	0.02-0.250
175.	Methoxyfenazide	0.02-0.250
176.	Metolachlor and S-Metolachlor (metolachlor including other mixtures of constituent isomers including S-metolachlor (sum of isomers))	0.02-0.250
177.	Metrafenone	0.02-0.250
178.	Metribuzin	0.02-0.250
179.	Monocrotophos	0.02-0.250
180.	Myclobutanil	0.02-0.250

Sr. No.	Name of Chemicals/ Pesticides	PT range (mg/kg)
181.	Nereistoxin	0.02-0.250
182.	Nitenpyram	0.02-0.250
183.	Novaluron	0.02-0.250
184.	Omethoate	0.02-0.250
185.	Orthosulfamuron	0.02-0.250
186.	Oxadiargyl	0.02-0.250
187.	Oxadiazon	0.02-0.250
188.	Oxathiapiprolin	0.02-0.250
189.	Oxycarboxin	0.02-0.250
190.	Oxydemeton- methyl (sum of oxydemeton methyl and demeton-Smethyisulfone expressed as oxydemeton-methyl)	0.02-0.250
191.	Oxyfluorfen	0.02-0.250
192.	Paclobutrazol	0.02-0.250
193.	Parathion - methyl (sum of Parathion-methyl and paraoxon-methyl expressed as Parathion -methyl)	0.02-0.250
194.	Parathion ethyl	0.02-0.250
195.	Penconazole	0.02-0.250
196.	Pencycuron	0.02-0.250
197.	Pendimethalin	0.02-0.250
198.	Penoxsulam	0.02-0.250
199.	Permethrin (sum of isomers)	0.02-0.250
200.	Phenthoate	0.02-0.250
201.	Phorate (sum of phorate, its oxygen analogue and their sulfones expressed as phorate)	0.02-0.250
202.	Phosalone	0.02-0.250
203.	Phosphamidon	0.02-0.250
204.	Picoxystrobin	0.02-0.250
205.	Pinoxaden	0.02-0.250
206.	Pirimiphos-methyl	0.02-0.250
207.	Pretilachlor	0.02-0.250
208.	Profenophos	0.02-0.250
209.	Propamocarb	0.02-0.250
210.	Propanil	0.02-0.250
211.	Propargite	0.02-0.250
212.	Propetamphos	0.02-0.250
213.	Propiconazole (sum of isomers)	0.02-0.250
214.	Propoxur	0.02-0.250
215.	Pymetrozine	0.02-0.250
216.	Pyraclostrobin	0.02-0.250
217.	Pyrazosulfuron-ethyl	0.02-0.250
218.	Pyridaben	0.02-0.250
219.	Pyridalyl	0.02-0.250
220.	Pyriproxyfen	0.02-0.250
221.	Pyriithiobac-sodium	0.02-0.250

Sr. No.	Name of Chemicals/ Pesticides	PT range (mg/kg)
222.	Pyroxasulfone	0.02-0.250
223.	Quinalphos	0.02-0.250
224.	Quinoxifen	0.02-0.250
225.	Simazine	0.02-0.250
226.	Spinetoram (sum of spinetoram-J and spinetoram-L)	0.02-0.250
227.	Spinosad (sum of Spinosyn A+D)	0.02-0.250
228.	Spirodiclofen	0.02-0.250
229.	Spiromesifen	0.02-0.250
230.	Spirotetramat and spirotetramat-enol (sum of), expressed as spirotetramat	0.02-0.250
231.	Sulfentrazone	0.02-0.250
232.	Sulfosulfuron	0.02-0.250
233.	Sulfoxaflor (sum of isomers)	0.02-0.250
234.	tau-Fluvalinate	0.02-0.250
235.	Tebuconazole	0.02-0.250
236.	Tembotrione (Sum of parent tembotrione and its metabolite (4,6dihydroxy tembotrione), expressed as tembotrione)	0.02-0.250
237.	Temephos	0.02-0.250
238.	Tetraconazole	0.02-0.250
239.	Thiabendazole	0.02-0.250
240.	Thiacloprid	0.02-0.250
241.	Thiamethoxam	0.02-0.250
242.	Thifluzamide	0.02-0.250
243.	Thiobencarb (4-chlorobenzyl methylsulfone)	0.02-0.250
244.	Thiocyclam	0.02-0.250
245.	Thiodicarb	0.02-0.250
246.	Thiometon	0.02-0.250
247.	Thiophanate-methyl	0.02-0.250
248.	Tolfenpyrad	0.02-0.250
249.	Topramezone	0.02-0.250
250.	Transfluthrin	0.02-0.250
251.	Triadimefon	0.02-0.250
252.	Triadimenol	0.02-0.250
253.	Triafamone	0.02-0.250
254.	Tri-allate	0.02-0.250
255.	Triasulfuron	0.02-0.250
256.	Triazophos	0.02-0.250
257.	Trichlorfon	0.02-0.250
258.	Tricyclazole	0.02-0.250
259.	Tridemorph	0.02-0.250
260.	Trifloxystrobin	0.02-0.250
261.	Triflumezopyrim	0.02-0.250
262.	Triflumizole	0.02-0.250
263.	Trifluralin	0.02-0.250

Sr. No.	Name of Chemicals/ Pesticides	PT range (mg/kg)
264.	Validamycin	0.02-0.250
265.	Zoxamide	0.02-0.250
266.	Glyphosate	0.02-0.250
267.	Nicotine	0.02-0.250

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