Appendix B: EPPO guidelines

Category: Plant protection products

Number	Title of Standard	Comment
[PP 1/1(3)]	*Cercospora beticola*	replaced by PP 1/1(4)
PP 1/1(4)	Foliar diseases on sugarbeet	
PP 1/2(4)	*Phytophthora infestans* on potato	
PP 1/3(4)	*Pseudoperonospora humuli*	
PP 1/4(4)	*Uncinula necator*	
PP 1/5(3)	*Venturia inaequalis* and *V. pyrina*	
PP 1/6(3)	*Adoxophyes orana*	
PP 1/7(3)	*Cydia pomonella*	
PP 1/8(3)	*Delia antiqua*	
PP 1/9(3)	*Delia radicum*	
PP 1/10(4)	*Delia coarctata*	
PP 1/11(3)	*Eupoecilia ambiguella* and *Lobesia botrana*	
PP 1/12(4)	*Leptinotarsa decemlineata*	
PP 1/13(3)	*Ostrinia nubilalis*	
PP 1/14(4)	*Chamaepsila rosae*	
PP 1/15(3)	Tetranychid mites in orchards	
PP 1/16(2)	*Botrytis cinerea* on strawberries	
[PP 1/17(2)]	*Botrytis cinerea* on grapevine	replaced by PP 1/17(3)
PP 1/17(3)	*Botryotinia fuckeliana* on grapevine	
[PP 1/18(2)]	Storage rot and storage scab of apples (pre-harvest application)	replaced by PP 1/18(3)
PP 1/18(3)	Storage diseases of apples (pre-harvest application)	
PP 1/19(4)	Seed-borne cereal fungi	
PP 1/20(3)	Aphids on cereals	
[PP 1/21(2)]	Aphids on fruit (top, bush, cane)	replaced by PP1/253 & PP1/258
PP 1/22(3)	*Phorodon humuli*	
PP 1/23(2)	Aphids on ornamental plants	
[PP 1/24(2)]	Aphids on potato, sugar beet, pea, broad bean and other vegetables	replaced by PP1/228 to PP1/230
PP 1/25(3)	*Globodera* and *Heterodera* spp.	

[PP 1/26(2)]	*Erysiphe graminis*	replaced by PP 1/26(3)
PP 1/26(3)	Foliar diseases on cereals	
[PP 1/27(2)]	Cereal rusts	replaced by PP 1/26(3)
PP 1/28(3)	Eyespot of cereals [replacing *Pseudocercosporella herpotrichoides*]	
[PP 1/29(2)]	*Leptosphaeria nodorum* and *Mycosphaerella graminicola* on wheat	replaced by PP 1/26(3)
PP 1/30(2)	*Blumeriella jaapii*	
PP 1/31(3)	*Plasmopara viticola*	
PP 1/32(2)	*Rhizoctonia solani* on potato	
PP 1/33(2)	*Hoplocampa* spp.	
PP 1/34(2)	*Delia platura* and *Delia florilega*	
PP 1/35(2)	*Rhagoletis cerasi*	
PP 1/36(3)	Whiteflies *(Trialeurodes vaporariorum, Bemisia tabaci)* on protected crops	
PP 1/37(2)	*Tetranychus urticae* on vegetables	
PP 1/38(3)	*Monilinia laxa*	
PP 1/39(2)	*Plasmodiophora brassicae*	
PP 1/40(2)	Soil fungi attacking ornamental plants	
PP 1/41(2)	*Stigmina carpophila*	
[PP 1/42]	*Venturia inaequalis* and *V. pirina* (curative treatments)	replaced by PP 1/5(3)
PP 1/43(3)	*Atomaria linearis*	
PP 1/44(2)	*Cacopsylla* spp.	
PP 1/45(3)	Soil pest complex on beet [replacing *Scutigerella immaculata*]	
PP 1/46(3)	Wireworms	
PP 1/47(2)	*Ditylenchus dipsaci*	
PP 1/48(2)	Migratory root nematodes	
PP 1/49(3)	Weeds in brassica oil crops	
PP 1/50(3)	Weeds in maize	
PP 1/51(3)	Weeds in potato	
PP 1/52(3)	Weeds in sugar and fodder beet	
PP 1/53(3)	Weeds in lupin and *Vicia* beans	
PP 1/54(3)	*Botrytis* spp. on vegetables	
PP 1/55(2)	*Phomopsis viticola*	
PP 1/56(2)	*Phytophthora* spp. on citrus	

PP 1/57(3)	Powdery mildew of cucurbits and other vegetables
PP 1/58(2)	*Agrotis segetum*
PP 1/59(2)	Noctuids in vineyards
PP 1/60(3)	*Sitona lineatus*
PP 1/61(3)	Weeds in grassland
PP 1/62(3)	Weeds in water-seeded rice - revised in 2011
PP 1/63(3)	Weeds in sunflower
PP 1/64(3)	Weeds in grapevine
PP 1/65(3)	Downy mildews of lettuce and other vegetables
PP 1/66(2)	Fungal storage rots of potato
PP 1/67(3)	Anthracnose on olive - revised in 2011
PP 1/68(2)	*Peronospora hyoscyami*
PP 1/69(3)	*Podosphaera leucotricha*
PP 1/70(3)	Aphid vectors of barley yellow dwarf virus
PP 1/71(3)	Aphid vectors of potato leafroll luteovirus on seed potatoes
PP 1/72(2)	*Planococcus citri*
PP 1/73(3)	*Psylliodes chrysocephala*
PP 1/74(2)	Scales on citrus
PP 1/75(3)	Weeds in *Allium* crops
PP 1/76(3)	Weeds in forage legumes
[PP 1/77(2)]	*Erysiphe betae*
[PP 1/78(2)]	*Leptosphaeria maculans* and *Alternaria brassicae* on rape
PP 1/78(3)	Root, stem, foliar and pod diseases on oilseed rape
[PP 1/79(2)	*Rhynchosporium secalis*
[PP 1/80(2)	*Sclerotinia sclerotiorum* on rape
PP 1/81(3)	*Cycloconium oleagineum* - revised in 2011
PP 1/82(2)	*Taphrina deformans*
PP 1/83(2)	Caterpillars on leaf brassicas
PP 1/84(2)	*Hydraecia micacea* on hop
PP 1/85(3)	Thrips on outdoor crops
PP 1/86(2)	*Zabrus tenebrioides*
PP 1/87(2)	*Aceria sheldoni*
PP 1/88(3)	Weeds in flower bulbs and flower tubers
PP 1/89(3)	Weeds in leafy and brassica vegetables
PP 1/90(3)	Weeds in orchards and other fruiting tree crops such as citrus and olives
PP 1/91(3)	Weeds in *Phaseolus* and *Pisum*

PP 1/92(3)	Weeds in strawberry
PP 1/93(3)	Weeds in cereals
PP 1/94(3)	Grassland renewal
PP 1/95(3)	Slugs on vegetables, strawberry and ornamentals
PP 1/96(3)	Slugs in field crops
PP 1/97(2)	Laboratory and field tests for the evaluation of rodenticidal dusts
PP 1/98(3)	Weed control between crops
PP 1/99(3)	Weeds in root vegetables
PP 1/100(2)	*Lophodermium seditiosum*
PP 1/101(2)	*Phacidium infestans*
PP 1/102(2)	*Phytophthora cactorum* on strawberry
PP 1/103(2)	*Phytophthora capsici*
PP 1/104(2)	*Sphaerotheca pannosa*
PP 1/105(2)	Storage rots of citrus (post-harvest treatments)
PP 1/106(2)	*Ceratitis capitata*
PP 1/107(3)	*Ceutorhynchus assimilis*
PP 1/108(2)	*Dacus oleae*
PP 1/109(2)	*Helicoverpa armigera* on cotton
PP 1/110(2)	*Loxostege sticticalis*
PP 1/111(3)	*Otiorhynchus* spp. on ornamentals and strawberry
PP 1/112(2)	*Panonychus citri*
PP 1/113(2)	Laboratory tests for evaluation of the toxicity and acceptability of rodenticides and rodenticide preparations
PP 1/114(3)	Field tests against synanthropic rodents (*Mus musculus, Rattus norvegicus, R. rattus*)
PP 1/115(3)	Aquatic weeds
PP 1/116(3)	Weeds in forests
PP 1/117(3)	Weeds on hard and semi-permeable surfaces
PP 1/118(3)	Weeds in outdoor fruit vegetables
PP 1/119(3)	Weeds in *Ribes* and *Rubus*
PP 1/120(2)	Foliage diseases of *Allium* crops
PP 1/121(2)	Leafspots of vegetables
PP 1/122(2)	*Phytophthora nicotianae* var. *parasitica* on citrus
PP 1/123(2)	*Nectria galligena*
PP 1/124(2)	Rusts of vegetables
PP 1/125(3)	Seed treatments against seedling diseases (trials under controlled conditions)
PP 1/126(2)	*Eurygaster integriceps*

PP 1/127(2)	*Hylobius abietis*	
PP 1/128(2)	Insects on conifer timber	
PP 1/129(3)	*Otiorhynchus ligustici* on hop	
PP 1/130(2)	*Prays oleae*	
PP 1/131(3)	*Quadraspidiotus perniciosus*	
PP 1/132(2)	*Zeuzera pyrina*	
PP 1/133(2)	Tetranychid mites in vineyards	
PP 1/134(2)	Attractants for *Ips typographus*	
PP 1/135(3)	Phytotoxicity assessment	(free access)
PP 1/136(3)	Weeds in amenity grassland	
PP 1/137(3)	Weeds in cotton	
PP 1/138(3)	Weeds in flax/linseed and hemp	
PP 1/139(3)	Weeds in hop - revised in 2011	
PP 1/140(3)	Weeds in tobacco	
PP 1/141(3)	Weeds in tree and shrub nurseries	
PP 1/142(2)	Side-effects on *Encarsia formosa*	
PP 1/143(3)	Potato desiccants	
PP 1/144(2)	Reduction of lodging in cereals and maize	
PP 1/145(3)	Reduction lodging in water-seeded rice - revised in 2011	
PP 1/146(2)	Retardation of growth in grass	
PP 1/147(2)	*Phytophthora fragariae*	
PP 1/148(2)	Soil treatments against *Pythium* spp.	
PP 1/149(2)	*Aphis gossypii* on cotton	
PP 1/150(2)	*Spodoptera exigua* on cotton	
PP 1/151(2)	Side-effects on *Phytoseiulus persimilis*	
PP 1/152(3)	Design and analysis of efficacy evaluation trials	(free access)
PP 1/153(3)	Control of lodging and growth regulation in brassica oil crops	
PP 1/154(3)	Control of (primocane) suckers in *Rubus*	
PP 1/155(3)	Control of suckers in tobacco	
PP 1/156(4)	Accelerated ripening of oilseed crops and large-grain legumes	
PP 1/157(3)	Regulation of growth in ornamental plants by pre-harvest applications [the previous version 157(2) has been revised and separated into 2 standards: 157(3) & 247(1)]	
PP 1/158(3)	Regulation of growth in pome fruits	
PP 1/159(2)	Local wound treatments of apple	
PP 1/160(2)	Thrips on glasshouse crops	
PP 1/161(3)	Control of suckers in grapevine - revised in 2011	

PP 1/162(2)	Control of suckers in hop	
PP 1/163(3)	Regulation of growth in *Pisum*	
PP 1/164(3)	Sprout suppressants in potato: at storage or in store application	
[PP 1/165(2)]	*Botrytis cinerea* on ornamentals	replaced by PP 1/165(3)
PP 1/165(3)	*Botryotinia fuckeliana* on ornamentals	
PP 1/166(3)	*Erwinia amylovora*	
PP 1/167(2)	Insects and mites on mushrooms	
PP 1/168(2)	Tarsonemid mites on ornamentals	
PP 1/169(2)	Field rodents (*Microtus, Arvicola*)	
PP 1/170(4)	Side-effects on honeybees	(free access)
PP 1/171(2)	Regulation of growth in grapevine (except sucker control)	
PP 1/172(2)	Leaf and pod spots of pea	
PP 1/173(2)	*Puccinia horiana*	
PP 1/174(2)	Apple leaf miners	
PP 1/175(2)	*Cydia nigricana*	
PP 1/176(2)	Leaf miners on ornamentals	
PP 1/177(2)	Leaf miners on vegetables	
PP 1/178(3)	*Meligethes aeneus* on rape	
PP 1/179(2)	*Colomerus vitis*	
PP 1/180(2)	Side-effects on *Trichogramma cacoeciae*	
PP 1/181(3)	Conduct and reporting of efficacy evaluation trials including good experimental practice	(free access)
PP 1/182(2)	Chemical hybridizing agents in cereals (except maize)	
PP 1/183(2)	Dwarfing of ornamental trees and shrubs	
PP 1/184(2)	Regulation of growth in citrus	
PP 1/185(2)	Regulation of growth in olive (except sucker control)	
PP 1/186(3)	Rooting of cuttings - revised in 2011	
PP 1/187(2)	*Sesamia nonagrioides* on maize	
PP 1/188(2)	*Aphelenchoides* spp. on ornamentals	
PP 1/189(3)	Reduction of lodging in sunflower	
PP 1/190(3)	Regulation of growth in strawberry	
PP 1/191(2)	Hopper bands of *Schistocerca gregaria* under natural conditions	
PP 1/192(2)	Mites on strawberry	
PP 1/193(3)	Tipula larvae in grassland	
PP 1/194(2)	Blue-stain fungi of softwood	

PP 1/195(2)	Fungi on flower bulbs and tubers	
PP 1/196(2)	Fungi on woody ornamentals	
PP 1/197(1)	Non-target effects of rodenticides	
PP 1/198(1)	Testing rodents for resistance to anticoagulant rodenticides	
PP 1/199(1)	Rodent seed repellents	
PP 1/200(1)	Rodent repellents against debarking of trees	
PP 1/201(1)	Fumigants to control insect and mite pests of stored plant products	
PP 1/202(1)	Space and structural treatments of store rooms	
PP 1/203(1)	Admixture of plant protection products to stored plant products to control insects and mites	
PP 1/204(1)	Laboratory testing of plant protection products against insect and mite pests of stored plant products	
PP 1/205(1)	*Pseudopezicula tracheiphila* on grapevine	
PP 1/206(1)	Typhula incarnata on winter barley	
PP 1/207(2)	Effects on succeeding crops	(free access)
PP 1/208(2)	Regulation of growth in stone fruits by pre-harvest in-field foliar applications	
PP 1/209(2)	*Pegomya* spp. on beet and spinach	
PP 1/210(1)	Defoliators of forest trees	
PP 1/211(1)	Fungal diseases on amenity grassland	
PP 1/212(2)	*Diabrotica virgifera* - larvae - revised in 2011	
PP 1/213(2)	Resistance risk analysis	(free access)
PP 1/214(1)	Principles of acceptable efficacy	(free access)
PP 1/215(1)	*Sphaerotheca humuli* on hop	
PP 1/216(1)	*Tetranychus urticae* on hop	
PP 1/217(1)	*Oscinella frit*	
PP 1/218(1)	*Phyllotreta* spp. on rape	
PP 1/219(1)	*Ceutorhynchus napi* and *C. pallidactylus (quadridens)* in oilseed rape	
PP 1/220(1)	*Dasineura brassicae*	
PP 1/221(1)	Foliar diseases of non-woody ornamentals	
PP 1/222(1)	Storage diseases of stone fruit	
PP 1/223(1)	Introduction to the efficacy evaluation of plant protection products	(free access)
PP 1/224(1)	Principles of efficacy evaluation for minor uses	(free access)
PP 1/225(1)	Minimum effective dose	(free access)
PP 1/226(1)	Number of efficacy trials	(free access)

PP 1/227(1)	Definition of a plant protection product	(free access)
PP 1/228(1)	Aphids on beet	
PP 1/229(1)	Aphids on leguminous crops	
PP 1/230(1)	Aphids on potato	
PP 1/231(1)	Aphids in sunflower	
PP 1/232(1)	Aphids on tobacco	
PP 1/233(1)	*Athalia rosae*, *Plutella xylostella* and *Autographa gamma* on arable Brassicaceae	
PP 1/234(1)	*Haplodiplosis marginata*	
PP 1/235(1)	Leaf miners on cereals	
PP 1/236(1)	*Oulema* spp. on cereals	
PP 1/237(1)	Thrips on cereals	
PP 1/238(1)	White grubs	
PP 1/239(1)	Dose expression of plant protection products	(free access)
PP 1/240(1)	Harmonized basic information for databases on plant protection products	(free access)
PP 1/241(1)	Guidance on comparable climates	(free access)
PP 1/242(1)	Taint tests	(free access)
PP 1/243(1)	Effects of plant protection products on transformation processes	(free access)
PP 1/244(1)	Secondary bunch rots on grapevine	
PP 1/245(1)	Aphids on maize	
PP 1/246(1)	Flea beetles on flax	
PP 1/247(1)	Regulation of growth in ornamental plants by post-harvest or ‘in store’ applications	
PP 1/248(1)	Harmonized classification and coding of the uses of plant protection products	(free access)
PP 1/249(1)	Cutworms in arable crops	
PP 1/250(1)	Leaf eating insects in beet	
PP 1/251(1)	Wheat blossom midges on cereals	
PP 1/252(1)	Aphids on strawberry	
PP 1/253(1)	Aphids on bush and cane fruit	
PP 1/254(1)	*Eriosoma lanigerum* on apple	
PP 1/255(1)	Regulation of growth in pome fruits by post-harvest and 'in store' applications	
PP 1/256(1)	Effects on adjacent crops	(free access)

PP 1/257(1)	Efficacy and crop safety extrapolations for minor uses	(free access)
PP 1/258(1)	Aphids on top fruit	
PP 1/259(1)	*Delia radicum* on oilseed rape	
PP 1/260(1)	*Pleospora allii* on pear	
PP 1/261(1)	Disinfection in plant protection	
PP 1/262(1)	Take-all of cereals (*Gaeumannomyces graminis*)	
PP 1/263(1)	Alternaria solani and Alternaria alternata on potato and outdoor production of tomato	
PP 1/264(1)	Mating disruption pheromones	
PP 1/265(1)	Aphid vectors of non-persistent viruses on flower bulb or flower tuber crops	
PP 1/266(1)	Aphid vectors of non-persistent viruses on seed potatoes	
PP 1/267(1)	Thrips in *Allium* crops	
PP 1/268(1)	Study of unintentional effects of plant protection products on fermentation processes and characteristics of wine	(free access)
PP 1/269(1)	Comparable climates on global level	(free access)
PP 1/270(1)	Fungal diseases on cultivated mushroom of *Agaricus* spp.	
PP 1/271(1)	Guidance on comparative assessment - new	(free access)
PP 1/272(1)	Foliar diseases on maize - new	
PP 1/273(1)	*Pseudomonas syringae* pv. *tomato* and *Xanthomonas* spp. on tomato - new	
PP 1/274(1)	*Diabrotica virgifera* - adults - new	
PP 1/275(1)	*Tuta absoluta* - new	

Referentie:
http://archives.eppo.int/EPPOStandards/efficacy.htm