

Plant protection products (PPPs) for hop productions in Slovenia for 2025; March 2025

The list of plant protection products (PPPs) for hops in 2025 has been compiled with registered PPPs in Slovenia (10 March 2025), along with the maximum residue levels (MRL) of pesticides permitted on hops in the EU, USA, Japan, China, Korea, and Great Britain.

***Remark: At the moment, the Chinese are establishing their own MRL system. So far, they care about MRLs of established active ingredients (a.i.) only. For others a.i. seems that China unofficially adheres to Codex MRLs, but this is not yet published.**

Table 1: Downy mildew (*Pseudoperonospora humuli*) – primary infection

Product	Active ingredient	EU	USA	Japan	China*	Korea	Great Britain
Aliette flash	fosetyl-Al	1500	45	1440	-	50 import tolerance	2000
Profiler	fosetyl-Al + fluopicolide	1500 + 0.15	45 + 15	1440 + 0.7 import tolerance	-	50 + 15 import tolerance	2000 + 0.15

Table 2: Downy mildew (*Pseudoperonospora humuli*) – secondary infection

Product	Active ingredient	EU	USA	Japan	China*	Korea	Great Britain
Aliette flash	fosetyl-Al	1500	45	1440	-	50 import tolerance	2000
Badge WG	copper hydroxide + copper oxychloride	1000 proposed	exempt	exempt	-	exempt	1000
Cuprblau Z 35 WP	copper oxychloride	1000 proposed	exempt	exempt	-	exempt	1000
Folpan 80 WDG	folpet	400	120	120	-	0.01 default	400
Folpan gold	folpet + metalaxyl-M	400 15	120 20	120 10	- 10	0.01 - default 10	400 15
Mirador 250 SC	azoxystrobin	40	20	30	30	30 import tolerance	30 Proposed import tolerance
Ortiva	azoxystrobin	40	20	30	30	30 import tolerance	30 Proposed import tolerance
Orondis EVO	azoxystrobin + oxathiapiprolin	40 8	20 5	30 5	30 -	30 import tolerance 5 import tolerance	30 Proposed import tolerance 5
Polyversum	<i>Pythium oligandrum</i>	exempt	exempt	exempt	exempt	exempt	exempt

Product	Active ingredient	EU	USA	Japan	China*	Korea	Great Britain
Revus	mandiropamid	90	50	90	90	90 import tolerance	90
Zaftra AZT 250 SC	azoxystrobin	40	20	30	30	30 import tolerance	30 Proposed import tolerance

Table 3: Powdery mildew (*Podosphaera macularis*)

Product	Active ingredient	EU	USA	Japan	China*	Korea	Great Britain
Cosan	sulfur	exempt	exempt	exempt	-	exempt	exempt
Kumulus DF	sulfur	exempt	exempt	exempt	-	exempt	exempt
Microthiol SC	sulfur	exempt	exempt	exempt	-	exempt	exempt
Pepelin	sulfur	exempt	exempt	exempt	-	exempt	exempt
Vindex 80 WG	sulfur	exempt	exempt	exempt	-	exempt	exempt
Karbicure	potassium bicarbonate	exempt	exempt	exempt	-	0.01 default	exempt
Vitisan	potassium bicarbonate	exempt	exempt	exempt	-	0.01 default	exempt
Luna sensation	fluopyram+ trifloxystrobin	60 40	60 11	60 40	- 40	50 import tolerance 40 import tolerance	50 40
Vivando	metrafenone	80	70	70	- Proposed 70	70 import tolerance	80

Table 4: *Phoma exigua* = *Boeremia exigua* var. *exigua*

Product	Active ingredient	EU	USA	Japan	China*	Korea	Great Britain
Mirador 250 SC	azoxystrobin	40	20	30	30	30 import tolerance	30 Proposed import tolerance
Ortiva	azoxystrobin	40	20	30	30	30 import tolerance	30 Proposed import tolerance
Zaftra AZT 250 SC	azoxystrobin	40	20	30	30	30 import tolerance	30 Proposed import tolerance

Table 5: *Cercospora cantuariensis* = *Phaeomyocentrospora cantuariensis*

Product	Active ingredient	EU	USA	Japan	China*	Korea	Great Britain
-	-	-	-	-	-	-	-

Table 6: Hop damson aphids (*Phorodon humuli*)

Product	Active ingredient	EU	USA	Japan	China*	Korea	Great Britain
Afinto	flonicamid	3	20	20	20	20 import tolerance	3
Teppeki	flonicamid	3	20	20	20	20 import tolerance	3
Asset five	pyrethrins	0.5	-	-	-	-	-
Karate Zeon 5 CS	lambda- cyhalotrin	10	10	10	-	0.7	10
Movento SC 100	spirotetramat	15	10	15	15	4 import tolerance	15

Table 7: Hop flea beetle (*Psylliodes attenuatus*)

Product	Active ingredient	EU	USA	Japan	China*	Korea	Great Britain
Asset five	pyrethrins	0.5	-	-	-	-	-
Exirel	cyantraniliprole	0.05	70	0.01 default	-	0.01 Default; Proposed 10	0.05
Karate Zeon 5 CS	lambda- cyhalotrin	10	10	10	-	0.7	10

Table 8: European corn borer (*Ostrinia nubilalis*)

Product	Active ingredient	EU	USA	Japan	China*	Korea	Great Britain
Agree WG	<i>Bacillus Thuringiensis</i> var. <i>Aizawai</i>	0.01 default	exempt	0.01 default	exempt	0.01 default	0.01 default
Lepinox plus	<i>Bacillus Thuringiensis</i> var. <i>Kurstaki</i>	0.01 default	exempt	0.01 default	- exempt	0.01 default	0.01 default
Karate Zeon 5 CS	lambda- cyhalotrin	10	10	10	-	0.7	10

Table 9: Cabbage moth (*Mamestra brassicae*) and potato stem borer/rosy rustic moth (*Hydraecia micacea*)

Product	Active ingredient	EU	USA	Japan	China*	Korea	Great Britain
Agree WG	<i>Bacillus Thuringiensis</i> var. <i>Aizawai</i>	0.01 default	exempt	0.01 default	exempt	0.01 default	0.01 default

Table 10: Two-spotted spider mite (*Tetranychus urticae*)

Product	Active ingredient	EU	USA	Japan	China*	Korea	Great Britain
Nissorun 10 WP	hexythiazox	3	20	25	3	20 import tolerance	20
Nissorun 250 SC	hexythiazox	3	20	25	3	20 import tolerance	20
Milbeknock	milbemectin	0.2	-	0.1	-	0.2 import tolerance	0.2
Kanemite SC	acequinocyl	20	15	15	0.01	15 import tolerance	15
Movento SC 100	spirotetramat	15	10	15	15	4 import tolerance	15
Cosan	sulfur	exempt	exempt	exempt	-	exempt	exempt
Pepelin WG	sulfur	exempt	exempt	exempt	-	exempt	exempt
Vindex 80 WG	sulfur	exempt	exempt	exempt	-	exempt	exempt

Table 11: Alfaalfa snout weevil (*Otiorhynchus ligustici*)

Product	Active ingredient	EU	USA	Japan	China*	Korea	Great Britain
Exirel	cyantraniliprole	0.05	70	0.01 default	-	0.01 default	0.05

Table 12: Herbicides/defoliants

Product	Active ingredient	EU	USA	Japan	China*	Korea	Great Britain
Beloukha	pelargonic acid	- exempt	- exempt	0.01 default	-	- exempt	- exempt

Table 13: Repellents

Product	Active ingredient	EU	USA	Japan	China*	Korea	Great Britain
Trico	sheep fat	exempt	exempt	exempt	exempt	exempt	exempt

Table 14: Limacids

Product	Active ingredient	EU	USA	Japan	China*	Korea	Great Britain
Ferrocious	Iron phosphate	exempt	exempt	exempt	exempt	exempt	exempt
Hierro	Iron phosphate	exempt	exempt	exempt	exempt	exempt	exempt