

Methodology of hop protection – 2017 crop

obligatory for all Top Hop suppliers

Trade Name (active substance)	Concentration (dose per 1 ha)	Protective Period	Date of Application
DOWNY MILDEW OF HOPS (Pseudoperonospora humuli)			
Aliette 80 WP (fosetyl-Al)	0,3 %	14 days	At infection before introduction or after hop's introduction.
Ortiva (azoxystrobin)	0,75 – 1,6 l	28 days	The second half of June till the first half of July. One application only!
Bellis (pyraclostrobin + boscalid)	0,9 -2,0 kgs (as per growing period)	28 days	June – the first half of July.
Revus (mandipropamid)	1,6 l	14 days	After indtroduction till half of July.
Orvego (dimethomorf+ametoktradin)	2,7 l	10 days	The beginning of July till the beginning of August.
Kuprikol 250 SC (oxychloride-copper)	0,8 – 1,2 %	7 days	The second half of July till the beginning of August.
Flowbrix (oxychloride copper)	0,5 %	7 days	The second half of July till the beginning of August.
Curzate K (cymoxanil + oxychlorid Cu)	0,3 %	7 days	After indtroduction till end of June.
Curenox 50 (oxychloride copper)	5 kg	7 days	The second half of July till the beginning of August.
Cuprocaffaro micro (oxychloride copper)	0,35 %	7 days	The second half of July till the beginning of August.
Cuproxat SC (alkaline copper sulfate)	0,5 – 0,75 %	7 days	In August.
Funguran progress (hydroxide copper)	2,4 – 5,4 l	7 days	The second half of July till the beginning of August.
Badge WG (hydroxide + oxychloride copper)	7,14 l	14 days	The second half of July till the beginning of August.
Airone SC (hydroxide + oxychloride copper)	7,35 l	14 days	The second half of July till the beginning of August.
Defender (hydroxide copper)	2,4 – 5,4 l	14 days	Till the formation of cones.
Defender Dry (hydroxide copper)	2,4 – 5,4 kg	7 days	Till the formation of cones.
Cobran (hydroxide copper)	2,4 – 5,4 kg	7 days	Till the formation of cones.
POWDERY MILDEW (Sphaerotheca humuli)			
Bellis (pyraclostrobin + boscalid)	0,9 – 2,0 kgs (as per growing period)	28 days	At detection of disease till the end of July.
Kumulus WG (sulphur)	10 – 12,5 kgs	7 days	After introduction till formation of cones.
APHIDES (Phorodon humuli)			
Warrant 700 WG (imidacloprid)	0,008 %	42 days	From 20 th June till 5 th July.
Confidor 200 OD (imidacloprid)	0,6 l	42 days	From 20 th June till 5 th July.
Movento 150 OD (spirotetramat)	1 l	21 days	From the second half of June till the finishing of the flowering.
Tepeki (flonicamid)	0,18 kg	21 days	In June till first half of July.

RED SPIDER MITE (<i>Tetranychus urticae</i>)			
Nissorun 10 WP (hexythiazox)	1,5 kg	28 days	In May till first half of June.
Ortus 5 SC (fenpyroximate)	0,125 %	21 days	In June and July.
Kanemite 15 S (acequinocyl)	0,15 %	21 days	In June and July.
Acramite 480 SC (bifenazate)	1,0 – 1,5 l	14 days	Since end of July till beginning of August
Vertimec 1,8 EC Vertimec 1,8 SC (abamectin)	0,04 % 0,85 l - 1,25 l	28 days	Till July 20 th .
ALFALFA SNOUT BEETLE (<i>Otiorrhynchus ligustici</i>)			
Actara 25 WG (thiamethoxam)	0,2 kg	--	At the time of insect mass get up.
ROSY RUSTIC MOTH (<i>Hydraecia micacea</i>)			
Actara 25 WG (thiamethoxam)	0,2 kg	--	In April till the first half of May.
FLEA BEETLE (<i>Psylliodes attenuata</i>)			
Actara 25 WG (thiamethoxam)	0,2 kg	--	At insect appearance.
BUGS (<i>Miridae</i>)			
Karate Zeon techn. 5 CS (lambda-cyhalothrin)	0,125 l	14 days	At the appearance of hop's damage, before the flowering at the latest.
LEAF CURLING			
Zinc sulphate ZnSO ₄ · 7 H ₂ O	0,15 % (1,5 kg - 3,0 kg)	--	After the hop training. According to the symptoms additional 1-2 sprays.
Zinkosol forte (produced from ZnSO ₄)	0,3 % (3,0 l - 4,5 l)	--	
WEEDS CLEARANCE AFTER HARVEST			
Fusilade Forte 150 EC (fluazifop P-butyl)	2,5 l - 3,0 l (couch grass) 1,0 l - 1,5 l (annual grass)	--	After the harvest till September 15 th .

Notices:

- 1) Usage of growth stimulators is prohibited.
- 2) Application of herbicides can be exceptionally allowed prior to the TOP HOP advice.
Herbicides based on MCPA are strictly prohibited!
- 3) Other substances which are not mentioned in this list must not be used!
- 4) It is prohibited to use generics despite the active substances are identical with substances mentioned in this Methodology.
- 5) During the chemical protection of plants hereabout hop gardens hops must not be affected in any case by applied chemicals (e.g. wind transmission)!