Methodology of hop protection – 2021 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 introduction of hop.
Ortiva (azoxystrobin)	0,75 – 1,6 l	14 days	The second half of June till the first half of July.
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 end of July.
Orvego (dimethomorf+ametoktradin)	2,7 l	10 days	The beginning of July till the beginning of August.
Profiler (fluopikolid + fosetyl-Al)	2,25 kg	AT	Against the primal infection, before o after introducing
Kuprikol 250 SC (oxychloride-copper)	10 l	7 days	The second half of July till the beginning of August.
Flowbrix (oxychloride copper)	3,5 – 6,6 kg	14 days	The second half of July till the beginning of August.
Curzate K (cymoxanil + oxychlorid Cu)	5 kg	7 days	After indtroduction till end of June.
Cuprocaffaro micro (oxychloride copper)	0,35 %	7 days	The second half of July till the beginning of August.
Cuproxat SC (alkaline copper sulfate)	4 – 10 l	14 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 kg	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.
Coprantol Duo (hydroxide + oxychloride copper)	7,14 kg	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.
Folpan 80 WG (folpet)	1,87-4,68 kg	21 days	Till the formation of cones.
Folpan Gold (metalaxyl-M + folpet)	0,2 kg / 100 l	14 days	Till the formation of cones.
Zakeo (azoxystrobin)	0,75– 1,6 l	14 days	The second half of June till the first half of July.
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.
Kumar (Potassium bicarbonate)	2,2 – 5 kg	1 day	After introduction till the harvest.

APHIDES (Phorodon humuli)			
Movento 100 SC (spirotetramat)	1,5 l	21 days	From the second half of June till the finishing of the flowering.
Teppeki (flonicamid)	0,18 kg	21 days	In June till first half of July, according to warning.
Afinto (flonicamid)	0,18 kg	21 days	In June till first half of July, according to warning.
Sivanto prime (flupyradifurone)	0,75 l	21 days	According to warning.
RED SPIDER MITE (Tetranychus urticae)			
Nissorun 10 WP (hexythiazox)	1,5 kg	28 days	In May till first half of June.
Kanemite 15 S (acequinocyl)	0,15 %	21 days	In June and July.
Acramite 480 SC (bifenazate)	1,5 l	14 days	Till the end of July.
Vertimec 1,8 SC (abamectin)	0,85 l - 1,25 l	28 days	Till July 20th.
Milbeknock (milbemectin)	1,5 l	21 days	From flowering till formation of cones.
ALFALFA SNOUT BEETLE (Otiorrhynchus ligustici)			
Actara 25 WG (thiamethoxam)	0,2 kg	--	At the time of insect mass get up.
ROSY RUSTIC MOTH (Hydraecia micacea)			
Actara 25 WG (thiamethoxam)	0,2 kg	--	In April till the first half of May.
FLEA BEETLE (Psylliodes attenuata)			
Actara 25 WG (thiamethoxam)	0,2 kg	--	5-10% demage of leaf
BUGS (Miridae)			
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 $ZnSO_4 . 7 H_2O$	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)	0,6 l	--	After the harvest, rests of bines must be cutted

Notices:

1) Usage of growth stimulators is prohibited.
2) **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 applifed chemicals (e.g. wind transmission)!

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Josef Ondracek