

Hop report - Saaz fine aroma hops

Crop 2008 – June 2008 (Saaz region)

Weather condition – June 2008

Temperature & precipitation in June	2008	2007	30 years average
Average temperature (°C)	17,5	19,6	16,7
Total precipitation in May (mm)	86,8	47,6	56,0
Max. temperature (°C)	32,6 (22.6.)	32,3	
Min. temperature (°C)	4,6 (14.6.)	7,6	
Highest precipitation in one day (mm)	19,4 (14.5.)	15,0 (14.5.)	
Total precipitation Jan - June (mm)	256,8	196,1	204,0
Number of dry days	13	17	

Obs.: The data for 2008 are up to 25.06.2008 only.

The weather on the beginning of June 2008 did not delight the farmers very much and on very beginning of the month, on 1st of June 2008, some gardens have been damaged by hail-storms. Approximately 10 hectares have been destroyed totally and further 100 hectares partially. During the third decade of the month the weather got warmer and the temperatures varied around 30°C within that period. On 25th June 2008 the whole territory of the country has been affected by storms accompanied by heavy rains and hail-stones. Saaz region was among the most afflicted regions, although the damages on hop plantations seem to be relatively small, view to intensity of storms. About 4 hectares of the special purpose hop garden of Hop Research Institute Co., Ltd. have fallen down and about 130 hectares have been damaged by hail-stones. It concerned localities of Lhota pod Džbánem, Velká Třeboc, Vrané, Mutějovice, Kounov, Domoušice, Zbrašín, Líšňany, Brloh, Hříškov. We evaluate the month of June as more humid in comparison with the average and normal and normal one as far as the temperature concerns.

Growth report

The growth of hops was satisfactory on majority of gardens and it was favourably influenced by relatively good moisture reserves created in May and beginning of June. We suppose that most of the plants will reach the height of the constructions up to the end of June. High temperatures recorded within the third decade (around 30°C) had negative influence on elongating of hops. The growth of hop vines slowed down. The plants started to create lateral shoots more intensively and in low-lying localities it began to set the flower bottoms.

Health state of hops

The flyover of aphid (*Phorodon humuli* Schrank) from stone fruit trees to hops continued also on the beginning of June. That is why it was necessary to pay high attention to the occurrence of aphid on hop gardens. The use of preparation Chess 50 WG in concentration of 0,8 kg per hectare was recommended, depending on the intensity of incidence frequency. By the end of the months the spraying against aphid by preparations based on imidaclopride (Confidor 70 WG, Kohinor 70 WG, Warrant 700 WG) was suggested. On the gardens, where occurrence of red spider mite (*Tetranychus urticae* Koch) was detected, the preparations Nissorun 10 WP or Ortus 5 SP can be used. The emergence of downy mildew of hops (*Pseudoperonospora humuli* Miy et Takah.) corresponded to the development of weather and at the moment it is recommended to treat the hops by preparations Ridomil Gold plus 42,5 WP, Aliette Bordeaux and Ortiva. The occurrence of powdery mildew (*Sphaeroteca humuli* (DC) Burr) was not ascertained. The health state of hops is good.

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