The spectrum of aphidophagous coccinellids has changed considerably in Bohemian hop gardens. It was caused by invasion of Asian harlequin ladybird Harmonia axyridis (Pallas). Whereas, in the period before its invasion native species Coccinella septempunctata L., Adalia bipunctata L. and Propylea quatuordecimpunctata L. used to be the dominant predators of damson hop aphid (Phorodon humuli Schrank). H. axyridis is the most frequent ladybird species in Zatec (Saaz) hop growing region nowadays. Whereas six years ago harlequin ladybird represented just ten percent of the total Coccinellidae, since 2015 it has become the most abundant ladybird species. It may have been caused by aggressiveness of H. axyridis, whose larvae were observed to feed on eggs and young larvae of the native species. To prevent attacks from larvae of H. axyridis, females of C. septempunctata and A. bipunctata, which used to be dominant predators of damson hop aphid in the past, were very scarce. The arrival of this aggressive invasion species has undoubtedly negative effect on native guild of aphidophagous coccinellids because of its huge aggressiveness and so its presence is questionable.

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