

# ASSESSMENT OF NUTRITION LEVELS OF COMMON CARP (*CYPRINUS CARPIO* L.) DERIVED FROM DIFFERENT POND CONDITIONS

*Zhodnocení nutriční úrovně tržního kapra obecného (*Cyprinus carpio* L.) pocházejícího z různých rybničních podmínek*

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**Abstract:** The experiment was conducted in autumn 2007, in order to assess the influence of different aquatic environments and successive storage on nutrition levels of common carp (*Cyprinus carpio* L.). Fish derived from four different ponds and three storage basins of Pohořelice fish farm were used for the experiment. Ten samples were taken from each pond and storage basin separately. The main observed indices were total length (Dc), total length (Dt), body height (Vt), width of the body (Št), total weight (Hc), weight without guts (Hbv), weight of wrought body (Hot), weight of left filet (H fil L), weight of right filet (H fil P), high - backedness index (Iv), broad - backedness index (Iš), Fulton coefficient (Fk) and utility value (mass yield) of fish (V). Analysis of fish tissue concerning content of nitrogen substances, fats and dry mass were rated. The data achieved from our experiment showed different influence of aquatic environment on length and weight indices, broad - backedness index (Iš), Fulton coefficient (Fk) and content of fat. Fish maintained in storage basins were affected concerning length and weight indices but no influence on percentage of mass yield and chemical composition of fish tissue was approved.

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