

Study on the effect of wormseed plants; artemisia cina L. and chamomile; matricaria chamomilla L. on Growth Parameters and Immune Response of African Catfish, Clarias gariepinus

ABSTRACT

A number of 420 fingerlings of catfish were used to examine the effect of wormseed plants and chamomile on the growth parameters and on non-specific immune response of the African catfish; *Clarias gariepinus*. Both types of herbs were used in rates of 1, 3 and 5% with 3 replicates per each of the 6 treatments. The 7th treatment was kept as a control group. The experimented catfish were fed with the 7 examined diets in the rate of 3% of fish biomass for 1 month. Different growth parameters as well as blood parameters were estimated to evaluate the growth performance and immune response of the experimented catfish. Results revealed that wormseed plants *Artemisia cina* L. in the rate of 3 and 5% and chamomile *Matricaria chamomilla*. L. in the rate of 1% showed the best figures of growth parameters as well as immune response parameters of the examined catfish.

Keyword: Fingerlings; Examine; Treatment; Immune response; Parameter; Performance