

Replacement of groundnut cake with rubber (*Hevea brasiliensis*) seed cake in diets for Nile tilapia (*Oreochromis niloticus*)

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Abstract/OtherAbstract :

This study was carried out to determine the level of rubber seed cake (RSC) that could be used to replace groundnut cake (GNC) in practical diets of *Oreochromis niloticus*. RSC, a by-product of the oil extraction of the rubber tree seed and GNC were interchangeably replaced in the formulation of five experimental diets fed to the fish. Fish fed with 30% RSC inclusion level gave the best result with the highest SGR (1.73), best food conversion ratio [FCR (1.69)] and protein efficiency ratio [PER (1.97)]. These values were statistically superior ($P > 0.05$) to those of the other diets. This was followed by the group fed the control diet (CD), while the poorest result was obtained in the group fed test diet with 60% RSC inclusion level. This study showed that an equal replacement of GNC with RSC was best suitable as dietary protein source for *O. niloticus*.