**Comparative productivity of Integrated Multi-Trophic Aquaculture and non-culture pond producing freshwater snail (*Viviparus bengalensis*, Lamarck)**

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The growth and production of freshwater snail (*Viviparus bengalensis*, Lamarck) in integrated multi-trophic aquaculture (IMTA) pond and non-culture pond was studied for a period of 3 months during peak summer (May to July, 12) and 3 months during peak winter (November 12 to January 13) on the pond bottom in 4 experimental ponds located in Faculty of Fisheries, Bangladesh Agricultural University (BAU), Mymensingh. There were two treatments (T1 and T2) each with four replications and each pond was stocked at the rate of 250g snail/decimal. The individual pond area was of 1 decimal in size. Treatment 1 (T1) and Treatment 2 (T2) were considered as IMTA and non-culture pond, respectively. During the experimental period, compost was applied at the rate of 1.70 kg/decimal fortnightly. For measuring growth and production of snail, sampling was done at 30 days interval from all the treatments. In IMTA, average length of a snail was 2.36±0.09 cm and 2.35±0.35 cm in summer and winter, respectively and in non-culture pond was 2.26±0.07 cm and 2.16±0.20 cm, respectively. In IMTA, average weight of a snail was 2.56±0.49 g and 3.75±0.05 g in summer and winter, respectively and in non-culture pond was 2.38±0.23 g and 2.77±0.09 g, respectively. In summer and winter, average production of snail was 18,731±1,473 nos./decimal and 5,990±424 nos./decimal in IMTA, respectively; 15,246±1,026 nos./decimal and 3,158±217 nos./decimal in non-culture pond, respectively. In summer, highest production was 19,619±62 nos./decimal in May at T1 and lowest was 14,482±23 nos./decimal in June at T2. In winter, highest production was 6,279±21 nos./decimal in November at T1 and lowest was 3,158±42 nos./decimal in January at T2. Overall the production of snail was higher in IMTA pond compared to non-culture pond.