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RESEARCH REPORTS

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Title: Effects of Protein Diet and Sowing Density on the Production of *Penaeus vannamei* in Land Tanks

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Abstract: A 2 x 2 factorial analysis was made to investigate the effect of protein diets on the growth of *Penaeus vannamei* sown at different densities in land tanks. The juvenile shrimp sown at densities of 4 x 8 shrimp/m² were fed 25% to 35% protein diets. The treatments were replicated from 3 to 4 times. At 99 days of growth there were no significant differences in terms of production, survival and average weight ($P > 0.05$), between the two protein levels. The average production (kg/ha) for the 25% and 35% protein treated groups was 564 and 586, respectively, and the average weight (g) was 12.7 and 11.8, respectively. The shrimp production was significantly greater ($P \leq 0.05$) when sown at a high density, while the average weight and survival in that case were significantly low. The average production at high and at low density was 624 and 533, respectively, and the average weight was 9.7 and 14.5 grams. The high density production, however, resulted in a reduced income because of the low unit price paid for small shrimp.

Note: The original paper is in Spanish.

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