

# Floating Bed Vegetable Cultivation as a Livelihood Practice for Climate Resilient Agriculture

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**Abstract**—*Present investigation was carried out to standardised the system of cultivation of the floating bed vegetable cultivation technology (hydroponics) by which the marooned farming community may get the chance to recover some damages incurred by the flood water, besides utilizing the low lying uncultivable area and without applying irrigation in dry season. The experiment on Floating Bed Technology was carried out in the Thekera beel of Central Brahmaputra Valley, Zone, Assam for two consecutive years 2015-16 and 2016-17 by growing 3 numbers of kharif vegetable crops viz., okra, ridge gourd and knolkhol and 3 numbers of rabi vegetable crops viz., cabbage, knolkhol and brinjal. These crops were grown on different beds comprising 5 numbers of treatments. Out of these treatments, beds composed of water hyacinth and other aquatic weeds + FYM + vermicompost produced the highest economic return. The nutritional and keeping quality of the vegetables showed an enhancing trend making available organic vegetables round the year. However, the awareness on the benefits and sustainability of this practice is still very low among the farming community of the state. Thus, further research, demonstration and capacity building for the farmers is the need of the hour required for vulnerability reduction, resilience build up and wetland management.*

**Keywords:** *(Hydroponics, vermicompost, Floating bed Technology, water hyacinth, aquatic weed)*