

Studies on economic potential of various vegetable crops as intercrops under plantation of guava (*Psidium guajava* L.)

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ABSTRACT : The investigations on economic feasibility of intercropping arvi (*Colocassia esculenta* var. *antiquarum*), bunda (*C. esculenta* var. *esculenta*), suran (*Amarphophallus companulatus*) and turmeric (*Curcuma domestica*) were conducted under guava (cv. L-49) plantation. Guava + Suran cropping system provided highest net return (Rs. 123.80 thousands per ha), followed by Guava + Turmeric (Rs. 108.21 thousands per ha), Guava + Bunda (Rs. 93.25 thousands per ha) and Guava +Arvi (Rs. 86.35 thousands per ha) cropping system whereas guava as sole crop only gave Rs. 1.33 thousands per ha. as net return. The highest cost : benefit ratio was estimated in Guava + Bunda (1:5.96) followed by Guava + Arvi (1:5.71), Guava + Turmeric (1:4.43), Guava + Suran (1:4.16) and guava as sole crop (1:3.96).

Key Words: Guava (*Psidium guajava* L.), arvi, bunda, suran, turmeric, intercropping, economic feasibility, net return, cost: benefit ratio.