



Performance of tuber medicinal crops under sapota-jatropha based three-tier agroforestry system

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Abstract : Field experiments were conducted to find out performance of tuber medicinal crops (kalihari, kali musli and safed musli) under sapota-jatropha based three-tier agroforestry system at the Agronomy Farm (Block-E), ASPEE College of Horticulture and Forestry, Navsari Agricultural University, Navsari (Gujarat) during rainy season of year 2011 and 2012. The experiments were laid out in Randomized Block Design with six treatments and four replications. Three medicinal plants viz., kalihari (*Gloriosa superba* L.), kali musli (*Curculigo orchioides* Gaertn) and safed musli (*Chlorophytum borivilianum* Ker.) were selected for the present study. The observation on economic yield (q/ha) was recorded higher under sole crop of kalihari, kali musli and safed musli as compared to intercrop with sapota-jatropha in both the years. While, kalihari (1.79), kali musli (1.38) and safed musli (1.81) when grown as intercrop gave higher economic returns as compared to sole crop in 2011 and 2012.

Key Words : Agroforestry, Intercrop, Kalihari, Kali musli, Safed musli, Economics

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