



## Research Paper

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# Status and performance of different mango varieties and hybrids under climatic condition of Tripura

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**ABSTRACT :** Studies were conducted to know the performance of different mango varieties and hybrids under climatic condition of Tripura. Mango is a popular fruit ranking next to jack fruit, banana, pineapple and citrus in total annual production. The climatic condition, fertile soil, sub-tropical climate and abundant rainfall favour mango cultivation in all part of the state. Ten varieties and hybrids were studied for performance under Tripura condition. Out of ten, three performed well under Tripura condition like Amrapali, Mallika and Himsagar. Out of all varieties and hybrids under climatic condition of Tripura, performance of Amrapali was best under Tripura condition with medium size (238.77g) fruit, highest TSS (23.53°Brix) and carotenoids (15795.67 µg/100 g pulps) and lowest acidity (0.17%). Area under Amrapali cultivation is much higher than Himsagar and Mallika. Farming community of state earns a lot of profits from cultivation of mangoes. There is a high potential to increase cultivation area, production with systematic cultivation.

**KEY WORDS :** Amrapali, Sub-tropical climate, Tripura

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