

# **Effect of Soaking Durations and Seed Priming Agents on the Biochemical Properties of BPT 5204 Seedlings**

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## **ABSTRACT**

The present investigation was carried out at Agricultural College, Bapatla to know the effect of soaking time and seed priming agents on biochemical parameters of BPT 5204 seedlings. The experiment was laid out in a factorial Completely Randomized Design (CRD) with three replications involving soaking of seeds in various priming agents for different soaking periods (0, 6, 12, 24 and 48 hrs). The experimental results revealed that, higher starch and lower alpha amylase, total sugar content was recorded at 0 hrs priming duration whereas lower starch, higher content alpha amylase and total sugar content was recorded with 12 hrs priming duration. Of all the priming agents, soaking of seeds in GA @ 150 ppm resulted good with lower starch and higher amounts of alpha amylase, total sugars indicating favourable changes in the germinating seedlings.

**Keywords:** *BPT 5204, Soaking time and Seed Priming agents.*