

# **EFFECT OF FERTILIZERS APPLICATION AND SHADING COMBINATION ON TEA YIELD AND QUALITY OF KIM TUYEN TEA VARIETY IN SUMMER-AUTUMN CROP SEASON**

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## **Summary**

Results of the study on effects of fertilizer application at different ratios of nitrogen, phosphorus and potassium combined with shading for Kim Tuyen tea variety, to produce fresh raw buds materials for green tea processing in summer-autumn season in Phu Tho show that the application rate of 40N/ ton of fresh tea buds at the ration NPK 3:1:2 with shading (70% reduction in light intensity) before harvesting 14 days for Kim Tuyen variety in summer-autumn season reached the yield of 8.97 tons/ha (increasing 10.5%). The quality of green tea dry product got the score of organoleptic tasting of 17.4 points as well. This is the highest tested result among the researched treatments, including control treatment with application of 30N/Tons of fresh tea buds at the NPK ratio of 3:1:1 without shading.

**Keywords:** *Shading, fertilizer application, Kim Tuyen variety, green tea.*