

# **EFFECTS OF DENSITY AND FERTILIZATION TO GROW AND YIELD OF RED EDIBLE CANNA IN BAC KAN PROVINCE**

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## **Summary**

Red edible canna (*Canna edulis* Ker.) is a medicinal plant with high efficacy and safety. Therefore, research and development of red blood cells to treat heart disease is an urgent need today. Under the project of research and development of medicinal plants in Bac Kan province from 2016 to 2019, with the objective of building some appropriate cultivation techniques to improve the productivity of Red edible canna in Bac Kan province; The research was conducted to determine the reasonable density with 4 formulas and 4 kinds of fertilizer. Results of the study show that Red edible canna with density of 25,000 to 31,300 trees per ha gives the good grow and high yield, reaching 26.36 and 26.82 tons per ha. The yield of Red edible canna of the two species of fertilizer NPK Song Gianh (16: 16: 8) and NPK Dau Trau (17: 15: 7) reached the highest yield, reaching 29.32 and 29.89 tons per ha. It is recommended to use 02 densities and 02 kinds of fertilizer for the production of Red edible canna in Bac Kan province.

*Keywords: Bac Kan, Red edible canna, density, yield of leaf and stems, fertilizer.*