THE CURRENT STATUS OF CHILLIES CULTIVATION AND
SOIL CHEMICAL PROPERTIES AT THE FULL-DIKE IN KIEN
AN COMMUNE, CHO MOI DISTRICT, AN GIANG PROVINCE
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Summary
The study of “The current status of chillies cultivation and soil chemical properties at the full-dike in Kien An commune, Cho Moi district, An Giang Province” was done through surveying the current state of cultivated chillies and evaluate chemical properties of soil in the full-dike to contribute to exploit and use land efficiently and sustainably. The study was conducted from September 2014 to May 2015 at the full-dike in Kien An commune, Cho Moi District, An Giang Province. This study was conducted through interviews with 40 farmers growing chillies and collected soil samples in ground-based cultivated chillies. Soil samples were taken in crop: Winter - Spring from November 2014 to May 2015. Soil samples were taken from 4 stages: beginning of the crop, when chillies flowering, after fruit picking 1st and at the end of the crop. The survey results showed the status of chillies cultivation in the full-dike: chillies main crop was winter-spring, the chilli seed be grown in popularity as Chanh Phong with about 40,000 plants /ha, the average yield 15-10 tons/ha. Land for cultivation chillies was land for planting vegetables, raised bed helps drainage. Growing chillies in the dike more difficult and less productive than the outside of dike area. The survey results showed the status of chemical properties had pH$_{H2O}$ in soil ranks from little acid to medium acid ranges from 6.14-5.48. Organic material in beginning of the crop was 1.96%C, at the end of the crop was 2.02%C; organic material was valued from very low to low. Total nitrogen was low for all 4 periods, ranging from 0.115 to 0.133%N. Nitrate nitrogen was ranging from medium to very high with beginning of the crop was 19.70 mgN/kg, at the end of the crop was 2.02%C; organic material was valued from very low to low. Total nitrogen was 75.33 mgN/kg. P total of the 4 periods was ranged from 0.121 to 0.125%P$_{2O5}$. Phosphorus was levels high ranged from 56.83 to 67.64 mgP/kg. K exchange ranged from a low of beginning of the crop (0.181 meq/100g) to the end of the crop average (0.389 meq/100g).

Keywords: An Giang, Cho Moi, chillies cultivation, full-dike, soil chemical properties.