



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Changes According to Incubation Periods in Some Microbiological
Characteristics at Soil Samples of Some Soil Series from the Gelemen
Agricultural Administration

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Abstract: Changes according to incubation periods in some microbiological characteristics at soil samples of soil series from Gelemen Agricultural Administration were investigated in this study. The results show that bacteria, actinomycet had values in the first periods of incubation (30°C and field capacity) and in the following periods increased. However, fungus population changed depending upon series properties and reached maximum values 24th and 32th days after the beginning of incubation. During the incubation periods, soil CO₂ production, dehydrogenase activities and ürease activities had decreased, saccharase activities had increased N-mineralization reached maximum values 5-6 weeks after the beginning of incubation. Further, all of the soil revealed important denitrification rates and had high denitrificant bacteria numbers.

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