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Spatial dependency structure of selected soil parameters for a site specific management field in Southern Turkey

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This study was focused on determining spatial dependency structure of some selected soil fertility parameters at a site-specific management field in the Çukurova plain in Southern Anatolia. Some soil fertility and fertility relevant parameters at the depth of 0-40 cm were evaluated spatially by georeferenced 43 samples in a 100x100m grid pattern within 38 ha area. The parameters studied were N, P, K, OM, EC, pH, CEC and texture (sand, silt and clay). A unique, flat corn field was selected in order to eliminate the interference of possible different cultural practices. The results showed that the most spatially dependant parameters were silt, clay, potassium and phosphorus contents with 2

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