Summary

This study investigates the measurement and correlation of certain soil physical conditions with the growth and yield of crops grown on different cultivation treatments. After a brief introduction, the relevant literature on the subject is reviewed. This is followed by descriptions of the experimental site, design and method.

Two test crops were grown on each of four different cultivation patterns. Five independent soil measurements were employed to test any differences between the cultivation patterns.

Growth patterns of the two test crops varied between treatments and correlated closely with final yields. Four of the five soil measurements showed differences in the soil structure developed under the different cultivation patterns.

The experiment was discussed both in relation to the experimental design and method and also the results. Finally, certain conclusions were drawn from the discussion.