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Trend analysis of soil temperature changes in different climate(Case Study: Golestan province)

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Abstract

In Soil Physics and Agriculture, one of the important issues in the development of plant roots in soil, temperature environment that is rooted in the establishment. Soil temperature was not constant throughout the year depending on hours a day, a season of change. These fluctuations occur because successive, so with a wave function can be expressed. In this regard, research is conducted. The aim of this research trend of soil temperature change in the depth and scale of different monthly and annual climate difference positions in Golestan province, was. The results showed that soil temperature changes during the years in different climates have a sinusoidal trend. The other in three climates at winter, soil depth and overheat than the soil depth is low, while the summer of contrast, in other words in more depth the soil cooler in summer soil low depth is more. Annual scale showed that Reviews Any climate is more humid moderate amount of soil temperature in different depth of more than is drier. On the other hand the amount of latitude to influence the soil temperature affects so that everything is less latitude, mean annual temperature in different soil depth also will increase. On the other hand the average annual amount of soil temperature by increasing the range be more.

Keyword: Soil temperature, trend of change, Climate, Golestan