Aggregation of Inorganic Particles in Hesperia Sandy Loam

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The gradual reduction of water penetration into different soils under irrigation is occurring in many parts of the San Joaquin Valley of California. In 1941 a field study was undertaken to obtain a few physical and chemical measurements of Hesperia sandy loam which is one of the typical soils showing reduction of water penetration. This portion of the investigation has been reported (3). While the field work was in progress, a laboratory study was made to obtain information on the aggregation of inorganic particles in Hesperia sandy loam. Also, the laboratory study was undertaken in order to clarify certain conflicting statements in the literature on soil structure as to the effect of inorganic particle sizes on aggregation. Investigators state that one of the factors of aggregation in soil is due to the particles < 2μ, while others...