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RESISTANCE OF ALTIPLANO'S PERUVIAN CROPS TO MARS ANALOG SOIL

Abstract

An analysis of the germination and growth rates of three varieties of quinoa and one of kiwicha in the geologically analog Martian soil of the MDRS will be done using different mix proportions (regular soil: analog regolith. 8:2-6:4-5:5-4:6-2:8-1:9-0:10) These species were selected for their valuable nutritional content, development time and background of resistance to extreme conditions. This research pursues to know the capacity of Peruvian crops in Martian analog soil and to boost consists in analyzing the germination and growth rates of three varieties of quinoa and one of kiwicha in the geologically analog Martian soil of the MDRS. These species were selected for their valuable nutritional content, development time and background of resistance to extreme conditions. This research pursues to know the capacity of Peruvian crops in Martian analog soil and to boost them to be part of future harvests on the red planet.