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Variations in Calcium, Phosphorus, Iron, Copper, Zinc and Manganese Contents of Wheat and Rice Varieties Under Salt Stress

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Abstract: Variations in Ca, P, Fe, Cu, Zn and Mn contents of six wheat (Gerek, Bolal, Kıraç, Çakmak, Bezostaya and Kızıltan) and six rice varieties (Ribe, Tri-445, Serhat 92, Kros 424, Baldo and Rocca) under salt stress were investigated. Growth was inhibited by salinity. Salinity decreased P content of Kızıltan, while increased rice cultivars of Tri-445 and Kros 424. Iron contents of wheat cultivars of Gerek, Bolal and Kıraç and rice cultivars of Tri-445 and Rocca were decreased by salinity. In contrast to this, Iron contents of wheat cultivars of Çakmak and Bezostaya and rice cultivars of Ribe, Serhat 92, Kros 424 and Baldo were increased by salinity. In general, calcium, Cu, Zn and Mn contents of the plants were increased by salinity.

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