

Evaluation of some cover materials for winter protection of non-irrigated grapevine rootings in autumn planting method in cold condition of kurdistan

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In order to provide the winter protection of grape rootings cuttings in autumn planting method in cold regions of kurdistan, effects of four cover factors including soil, sand, $\frac{1}{2}$ soil + $\frac{1}{2}$ sand, polyethylen film and non covered treatment on two grape cultivars named "Fakhry" and "Siavah" were evaluated in a split plot experiment based on randomized complete block design with three replications. The results showed that the difference of cultivars and the effect of interaction of covering material and plant varieties on frost tolerance were not significant. cover materials had significant effect on winter protection of plants. and highest bud survival percentage was achieved from soil, sand and $\frac{1}{2}$ soil + $\frac{1}{2}$ sand covers. The soil is the best plant cover material recommended for protection of rootings vine for autumn planting method in cold condition of kurdistan. because it is cheaply to obtainable than other materials.