

ESTIMATES OF CONSEALED RADIATION FROSTS FORMATION AND PROBABILITY

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The analysis of factors responsible for the process of consealed radiation frosts formation is given. The data used for the analysis were collected from the official Rosgidromet data for 1977-2010 for three meteorological stations in Leningrad region: Belogorka, Viborg and Tikhvin. A procedure for prediction of consealed frosts on the soil surface of agricultural fields was developed.

Key words: frost, consealed frost, radiation cooling, temperature of soil surface.