# Assessing the Risk of Frost Damage

David Walshaw

**Abstract**

In this paper we consider issues arising from the risk of damage to crops due to frost. One major problem involves the estimation of the probability that any particular low-temperature has been "exceeded" for the last time in the season of interest. An additional aspect concerns the possibility of damage caused by a less severe frost lasting over a longer period of time. Here we review some previous work carried out in attempting to study these problems, and develop a model for daily temperature minima with a view to addressing both questions simultaneously.