



Influence of Sirocco in tomato production in Gran Canaria Island

G. Gascó (1), A. Saa (2), A.M. Tarquis (2), J.M. Gascó (1), and M.C. Díaz (2)

(1) Edafología. E.T.S.I. Agrónomos. Universidad Politécnica de Madrid. Spain (gabriel.gasco@upm.es), (2) CEIGRAM. E.T.S.I. Agrónomos. Universidad Politécnica de Madrid, Spain

Sirocco is a wind that comes from the Southwest of Africa. This wind produces dusty dry conditions (relative moisture lower than 40%) and its duration may last several days. These conditions can accelerate the fruit maturation with adverse effect over the fruit quality which can reduce farm incomes.

The objective of this work is to study the influence of Sirocco wind in tomato production in Gran Canaria. For this purpose, the possible effect of Sirocco in tomato production variation were studied in seven agricultural cooperatives using the data supplied by State Agrarian Insurance Body (ENESA) for a period of 14 years. Results showed that a cumulative normal distribution presented the better fitness with the tomato production data.