

The Impact of Foliar Application of the Calcium-Containing Compounds in Increasing Resistance to Blue Mold on Apples

Authors : Masoud Baghalian, Musa Arshad

Abstract : In order to investigate the effect of foliar application of calcium chloride on the resistance of fruits such as Red and Golden Lebanese apple varieties to blue mold, a split plot experiment in time and space, based on accidental blocks, with three replications under foliar application were done (Control, one in a thousand, two in thousands) and the results of the variance analysis showed that there is a significant difference between the levels of foliar and variety at 5% level and between time, there is significant difference in interaction of variety \times time and three way interaction of foliar \times variety \times time, at 1% level. The highest resistance to the blue mold disease in foliar application was observed at two in thousands calcium (calcium chloride) level.

Keywords : apple, blue mold, foliar calcium, resistance

Conference Title : ICAB 2016 : International Conference on Agriculture and Biotechnology

Conference Location : Stockholm, Sweden

Conference Dates : July 11-12, 2016