
Abstract

Three field experiments were carried out in Jordan during the spring growing seasons of 1995, 1996 and 1997 to study the effect of the different aluminum foil applications (surface mulched aluminum foil, aluminum foil boards) in controlling mosaic diseases [watermelon mosaic II potyvirus, zucchini yellow mosaic potyvirus, cucumber mosaic cucumovirus] of squash (*Cucurbita pepo*). Aluminum foil whether surface mulched or as boards reduced disease incidence and symptom severity at early stages of squash growth and eventually increased the total yields of squash with a higher marketable fruit yield as compared to the control treatment. Aphid (*Aphis gossypii*, *Myzus persicae*) counts indicated that the numbers were significantly lower in the aluminum foil board treatment than in the others during 1997 growing season. We recommend the use of aluminum foil boards instead of surface mulched aluminum foil to control mosaic disease, due to their low cost and ease of application