

(2010 / 2/ 15 2009 / 10 /20)

2.5 (Sunoco)
%54 %24.67
28.66 26
31.33

Cucumber mosaic *cucumovirus* (CMV)

Watermelon mosaic *potyvirus*

Zucchini yellow mosaic *potyvirus*

(WMV-2)

B A
. 47.5

Restriction the Spread of Viruses Caused Mosaic on Squash Plants by Using Several Field Control Methods and Studying their Effect on Chlorophyll

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ABSTRACT

The study showed the effect of some agricultural methods in reducing the incidence of mosaic symptoms on squash plants by using mineral oil (Sunoco) at conc. 2.5% at 15 days interval by spraying the leaves, this treatment was the best one because it decreased the disease incidence to 24.6% compared with 54% in control. Also using yellow water traps and aluminum stripes to attract aphids, reduced disease incidence to 28.6 and 13.3% respectively.

The diagnostic study which conducted by using indicator plants and antisera, detected three viruses which cause mosaic symptoms: Cucumber mosaic *Cucumovirus* (CMV), Zucchini yellow mosaic *Potyvirus* (ZYMV) and Watermelon mosaic *Potyvirus* (WMV-2). The results showed that these symptoms reduced chlorophyll content to 47.5%.