

Resistance of different cultivars of melon to melon fly and yield comparison

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Melon is Planted in different parts of Iran. Its return is very high as a spring crop.

Planting area is 30000 ha in Torbat-Jam and the yield average is 18 ton/ha. Farmers consider melon as a good cash crop. In order to evaluate different cultivars of melon from stand point of yield and resistance to melon fly because of not using pesticides very much an experiment was conducted as R.C.B.D. in Agricultural Experiment Station of Islamic Azad University for 2 years. In the first year 10 cultivars of melon in 4 replicates and plots 5 ×7.5 m, row spacing 2.5 m and plant spacing 0.5 m. Traits evaluated were: average of length and diameter, fruit contamination percentage to melon fly relative to healthy fruits and yields. Results showed that there is significant difference among cultivars. Highest yield was for Lucky cultivar and least yield was for Aqsud cultivar 42.4 ton and 21.5 ton/ha, respectively. As a whole It is recommended to plant 2 cultivars of early maturing Khatuni and late maturing Lucky.