

**Table (3):** Average number, yield and of artificial infestation with *Aphis gossypii* in caged different varieties of tomato plants at monthly intervals after infestation, on 24<sup>th</sup> of October 2004.

Dates	Average numbers of artificial infestation with <i>A. gossypii</i> on leaf																		Yield kg. /plant			
	24/11/2004			22/12/2004			26/1/2005			23/2/2005			23/3/2005			A.N.			1	2	3	Control
numbers	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	Control
Varities																						
Super marmande	2.33	3.66	6.33	4.33	5.67	6.67	9.0	13	18.67	17.67	23.33	58.33	8	9.67	20	8.27	11.07	22	0.250	0.200	0.050	1.850
Prichard	2.67	4.33	7.33	4.67	6.33	8	12	14	25.33	14.33	10.67	40	5.67	3.33	16.33	7.87	7.73	19.04	0.300	0.270	0.100	1.500
Giza 80	2.0	4.0	5.33	4.33	6.33	6.33	10	9.33	17.67	12.67	6	26.67	4	1.67	8	6.6	5.44	12.8	0.320	0.290	0.190	1.620
Cherry	2.0	4.33	7.67	4	5.67	8	9.33	11	20	12.67	8.33	36.67	3.33	2.33	12	6.27	6.33	16.87	0.360	0.275	0.170	0.650
Moneymaker	1.33	4	5.33	4.67	6.33	6.67	8.67	10	23.33	12	5.33	45.33	5	1.33	12.67	6.33	5.4	18.67	0.350	0.280	0.120	1.130
Castlerock	2.0	3.33	6.33	4.67	5.33	8	9.33	10.67	18.33	14.33	5.67	53.33	4.33	1.33	12.33	6.93	5.27	17.2	0.360	0.295	0.150	1.630
CAL-ACE	2.67	4.0	6.67	4.33	5.67	7.67	9.67	10.33	23.33	13	20.67	53.33	5	6.67	14.67	6.93	9.47	21.13	0.350	0.230	0.060	1.750
GS 12	2.0	5.0	5.67	5	6.33	8	9.33	11.33	23	14.67	17.67	51.67	4.67	4.67	14.67	7.13	9	20.6	0.320	0.250	0.080	1.650
L.S.D. 0.05	0.356	0.422	0.499	0.44	0.5	0.362	0.431	0.44	0.448	0.386	0.473	0.478	0.371	0.467	0.41				0.06	0.019	0.014	0.069

F<sub>0.05</sub> 13.505 12.468 27.587 4.468 6.175 36.567 50.621 113.541 370.696 194.449 2132.493 4147.92 128.6 368.172 663.536 2.238 26.842 115.738 292.54

Number = numbers of artificial infestation with aphid pairs. A.N.= average numbers of 1 . 2 and 3 pairs of artificial infestation with *A. gossypii* within five inspection date .