

Table (3): Correlation coefficient (r) and coefficient of determination (C.D.%) indicating the effects of climatic factors on different stages of *Aulacaspis tubercularis* (New stead) and its associated parasitoid on mango trees, variety Hendi, in Inshas El-Raml district, Sharkia Governorate during (2017)

Stages	Min. temp. (°C)	Max. temp. (°C)	RH (%)	Light intensity (Lux)	Solar radiation (MJ/m ²)	Coefficient of determination (C.D.%)
Females	0.574	0.650*	-0.541	0.543	0.354	68.08
Males	0.552	0.631*	-0.510	0.521	0.319	71.22
Nymphs	0.453	0.342	-0.156	0.206	0.206	49.38
Total number of alive stages	0.562	0.635*	-0.511	0.522	0.326	70.60
Mortality %	0.144	0.299	-0.382	0.357	0.234	31.89
Parasitism %	0.124	-0.135	0.099	-0.295	-0.487	74.25

* P< 0.05

Table (4): Correlation coefficient (r) and coefficient of determination (C.D.%) indicating the effects of climatic factors on different stages of *Aulacaspis tubercularis* (Newstead) and its associated parasitoid on mango trees, variety hendi, in Inshas El-Raml district, Sharkia Governorate during (2018)

Stages	Min. temp. (°C)	Max. temp. (°C)	RH (%)	Light intensity (Lux)	Solar radiation (MJ/m ²)	Coefficient of determination (C.D.%)
Females	-0.117	0.771**	-0.829**	0.893**	0.890**	86.41
Males	-0.098	0.784**	-0.853**	0.922**	0.892**	90.16
Nymphs	-0.158	0.478	-0.611*	0.627*	0.629*	50.61
Total number of alive stages	-0.108	0.764**	-0.837**	0.903**	0.879**	87.13
Mortality %	0.385	0.442	-0.298	0.301	0.124	47.65
Parasitism %	0.494	0.547	-0.466	0.394	0.221	57.41

* P< 0.05 **P< 0.01

Table (1): Seasonal abundance of *Aulacaspis tubercularis* (New stead) and its associated parasitoid on mango trees, variety Hendi, in Inshas El-Raml district, Sharkia Governorate during the first year (2017)

Months	Number of insects/200 leaves						Monthly average of climatic factors						
	Alive stages				Dead stages	Mortality %	Parasitoids		Min. temp. (°C)	Max. temp. (°C)	RH (%)	Light intensity (Lux)	Solar radiation (MJ/m ²)
	Females	Males	Nymphs	Total			No.	%					
Jan.	23	80	9	112	11	8.94	2	1.63	13.0	25.4	76.2	60000	202.64
Feb.	18	83	12	113	10	8.13	0	0.00	13.0	27.4	81.9	61000	313.38
Mar.	19	101	7	127	34	21.12	0	0.00	15.0	33.0	71.3	81000	457.87
Apr.	151	628	8	787	116	12.85	2	0.22	17.0	36.4	67.0	89000	550.96
May	112	539	9	660	99	13.04	10	1.32	20.0	41.4	60.6	90000	604.24
Jun.	230	1063	23	1316	225	14.60	22	1.43	20.0	38.6	62.1	90000	610.90
Jul.	306	1478	124	1908	167	8.05	21	1.01	20.0	40.0	66.7	87000	569.43
Aug.	370	1809	21	2200	289	11.61	37	1.49	17.3	38.2	67.4	88000	503.11
Sep.	353	1767	39	2159	514	19.23	94	3.52	16.0	37.3	68.1	85000	432.37
Oct.	294	1447	27	1768	307	14.80	100	4.82	18.0	36.0	66.1	76000	309.24
Nov.	215	1002	37	1254	245	16.34	115	7.67	17.0	29.7	76.2	65000	223.65
Dec.	64	424	22	510	35	6.42	13	2.39	15.0	27.7	80.8	66000	187.74
Total	2155	10421	338	12914	2052		416						

Table (6): Monthly numbers of *Aulacaspis tubercularis* (Newstead) and its associated parasitoid on mango trees, variety Hendi, in Inshas El-Raml district, Sharkia Governorate during the first year (2017)

Months	Number of insects / 50 leaves							
	East		West		North		South	
	Alive stages	Parasitoid Number	Alive stages	Parasitoid Number	Alive stages	Parasitoid Number	Alive stages	Parasitoid Number
Jan.	24	0	15	0	28	2	45	0
Feb.	23	0	20	0	32	0	38	0
Mar.	20	0	22	0	24	0	61	0
Apr.	187	0	212	1	201	1	187	0
May	163	3	122	2	181	3	194	2
Jun.	468	5	224	5	312	7	312	5
Jul.	544	8	350	3	608	4	406	6
Aug.	552	11	417	9	735	8	496	9
Sep.	516	15	463	32	669	29	511	18
Oct.	432	19	563	24	397	27	376	30
Nov.	278	38	455	24	208	35	313	18
Dec.	125	5	167	2	99	4	119	2
Total	3332	104	3030	102	3494	120	3058	90
Mean	277.67	8.67	252.5	8.50	291.17	10.00	254.83	7.50

Table (7): Monthly numbers of *Aulacaspis tubercularis* (Newstead) and its associated parasitoid on mango trees, variety Hendi, in Inshas El-Raml district, Sharkia Governorate during the second year (2018)

Months	Number of insects / 50 leaves							
	East		West		North		South	
	Alive stages	Parasitoid Number	Alive stages	Parasitoid Number	Alive stages	Parasitoid Number	Alive stages	Parasitoid Number
Jan.	21	1	26	0	64	0	26	0
Feb.	38	0	43	0	238	2	32	0
Mar.	137	2	131	1	683	24	116	2
Apr.	694	20	725	16	1440	35	717	15
May	704	36	653	18	857	109	529	26
Jun.	844	97	656	58	645	74	654	97
Jul.	589	95	394	54	559	114	426	49
Aug.	597	82	407	19	456	49	232	18
Sep.	552	133	362	103	380	115	340	91
Oct.	243	51	207	48	194	45	209	56
Nov.	131	36	99	18	115	9	112	13
Dec.	64	0	68	1	62	1	69	1
Total	4614	553	3771	336	5693	577	3462	368
Mean	384.5	46.08	314.25	28	474.42	48.08	288.5	30.67

