



Fig. 17) The shoot growth rate of *Thopaisson* seedless grap vines in two different locations .

Table (32) : Fruit physical and chemical properties of Thimpson seedless grape vines in two different locations at Egypt during 1988 and 1989 seasons.

Location	Cluster weight (g)		weight 100 berries (g)		T.S.S %		Sugar%		Acidity%		T.S.S/Acid ratio	
	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989
Samannud	36900	387	142.7	151.9	17.1	18.2	16.9	17.00	0.65	0.62	26.31	29.35
Aga	314.33	330.33	129.1	137.70	16.7	16.7	16.1	16.30	0.63	0.64	26.51	25.09
5%	12.49	11.73	3.09	3.08	N.S	0.15	0.17	0.08	N.s	N.S.	N.s	0.3
1%	28.82	27.06	7.02	7.08	N.S	0.39	0.40	0.19	N.S	N.S	N.S	0.07

Table (33) : Fertility at the different sectors of the fruit cane of Thompson seedless grape vines in two different locations in Egypt during 1988 and 1989 seasons .

Location	Season	Fertility of buds at the different sectors of the fruit cane			
		Buds 1-3.	Buds 4-6.	Buds 7-9.	Buds 10-12.
Samannud	1988	0.36	0.75	0.81	0.42
	1998	0.31	1.04	1.1	0.88
Aga	1988	0.29	0.56	0.65	0.4
	1998	0.32	0.67	0.84	0.51

Table (34) Fertility Coefficient per buds at different position on the fruit cane of Thompson seedless grape vine in two different locations in Egypt during 1988 and 1989 seasons.

Location	Season	Number of eye of the fruit cane											
		1	2	3	4	5	6	7	8	9	10	11	12
Samannud	1988	0.18	0.43	0.46	0.56	0.8	0.88	0.91	0.96	0.55	0.51	0.40.	0.36
	1998	0.19	0.34	0.38	1.02	1.03	1.08	1.11	1.19	1.00.	0.91	0.88	0.85
	Average	0.19	0.39	0.42	0.79	0.92	0.98	1.01	1.08	0.78	0.71	0.64	0.61
Aga	1988	0.15	0.27	0.46	0.49	0.56	0.63	0.67	0.69	0.60.	0.56	0.40.	0.24
	1998	0.15	0.33	0.47	0.59	0.62	0.8	0.84	0.87	0.82	0.70.	0.45.	0.37
	Average	0.15	0.3	0.47	0.54	0.59	0.72	0.76	0.78	0.71	0.63	0.43	0.31

Table (35) : Fertility indicators and yield of Thompson seedless grap vines grown in two different locations at Egypt during 1988 and 1989 seasons.

Indicators	Samannoud			Aga		
	1988	1989	Mean	1988	1989	Mean
% bud burst per Vine	80	84.3	82.15	74.30	77.1	75.70
% Fruit full shoots per vine	45.1	46.0	45.55	42.10	34.8	42.95
Number of flower - Cluster per vine	40	48.0	44.0	29.0	0.36	32.5
Fertility Coefficient	0.56	0.62	0.59	0.51	0.56	0.54
Absolute Fertility Coefficient	1.25	1.33	1.29	1.21	1.29	1.25
Yield Kg Per vine *	10.6	12.20	11.40	7.3	8.5	7.90

		1988	1989
* L.S.D. (yield).	5%	0.53	0.3
	1%	1.21	0.7