

Table (1): Effect of berry thinning, shoot tipping, and leaves removal on yield and cluster traits of Ruby seedless grapevines in 2008 and 2009 seasons.

Treat.	Number of berries cluster		Cluster weight (g)		Cluster length (cm)		Compactness coefficient		Yield (kg)	
	2008	2009	2008	2009	2008	2009	2008	2009	2008	2009
1	115.49	156.22	223.5	380.0	19.33	19.50	5.98	8.01	6.75	11.50
2	109.32	150.21	220.0	375.4	26.80	26.95	4.08	5.60	6.70	11.20
3	138.15	182.62	262.3	438.0	25.80	25.75	5.35	7.11	7.85	13.15
4	140.60	190.11	238.5	402.0	25.35	25.35	5.56	7.50	7.15	12.00
5	137.40	185.16	268.0	434.8	24.65	24.60	5.58	7.51	8.00	13.00
Cont.	139.35	188.15	231.0	392.5	25.75	26.00	5.43	7.24	7.00	11.85
L.S.D.	8.03	5.16	13.04	21.62	1.79	2.17	0.52	0.43	0.35	0.71

1- Thinning by cutting back about 25%.

3- Removing about 25% of shoot length

5- Pinching 25% of shoot top plus removing.

2- Thinning by alternatively removing about 25%.

4- Four basal leaves removal of fruiting shoot.

Table (2): Effect of berry thinning, shoot tipping, and leaves removal on berry weight and some chemical properties of Ruby seedless grapevines in 2008 and 2009 seasons.

Treat.	25 berries weight (g)		SSC		Acidity %		SSC/acidity		Reducing sugars %	
	2008	2009	2008	2009	2008	2009	2008	2009	2008	2009
1	48.40	60.80	17.28	17.90	0.405	0.420	42.67	42.62	13.45	13.96
2	49.80	62.20	17.50	18.25	0.400	0.420	43.75	43.45	13.88	14.23
3	47.80	59.91	17.80	18.10	0.395	0.440	45.06	41.16	13.89	14.09
4	42.41	53.10	18.40	18.50	0.388	0.425	47.43	43.55	14.16	14.38
5	49.33	58.92	18.10	18.10	0.400	0.415	45.25	43.60	14.20	14.13
Cont.	41.36	52.25	15.38	16.00	0.455	0.485	33.80	32.99	12.31	12.73
L.S.D.	2.22	2.91	1.14	0.84	0.022	0.018	4.38	3.65	0.88	0.96

Table (3): Effect of berry thinning, shoot tipping, and leaves removal on yield and cluster traits of Thompson seedless grapevines in 2008 and 2009 seasons.

Treat.	Number of berries cluster		Cluster weight (g)		Cluster length (cm)		Compactness coefficient		Yield (kg)	
	2008	2009	2008	2009	2008	2009	2008	2009	2008	2009
1	128.83	173.80	188.41	283.30	15.11	16.63	8.52	10.45	4.66	7.03
2	121.10	165.40	185.25	278.50	20.35	22.95	5.95	7.25	4.63	6.88
3	155.11	209.38	217.45	314.98	19.53	23.08	6.93	9.56	5.43	7.88
4	154.38	220.93	203.60	307.25	18.91	20.04	8.20	9.95	5.00	7.50
5	161.66	221.61	225.35	311.89	18.57	23.26	8.30	9.90	5.63	7.80
Cont.	153.50	212.10	195.30	292.90	19.50	21.65	7.85	9.70	4.88	7.32
L.S.D.	8.16	11.72	11.16	14.45	1.48	1.61	0.48	0.61	0.28	0.43

Table (4): Effect of berry thinning, shoot tipping, and leaves removal on yield and cluster traits of Thompson seedless grapevines in 2008 and 2009 seasons.

Treat.	25 berries weight (g)		SSC		Acidity %		SSC/acidity		Reducing sugars %	
	2008	2009	2008	2009	2008	2009	2008	2009	2008	2009
1	36.43	40.65	19.98	19.85	0.545	0.488	36.66	40.66	14.45	14.13
2	38.65	42.12	20.70	21.60	0.568	0.518	36.45	41.65	14.82	14.58
3	35.00	37.42	20.00	21.20	0.563	0.495	35.52	42.83	14.30	14.28
4	33.96	34.79	20.36	21.85	0.545	0.495	37.36	44.20	14.75	14.60
5	34.40	36.30	20.52	21.11	0.528	0.488	38.83	43.26	14.40	14.38
Cont.	31.85	33.80	19.32	18.72	0.600	0.574	32.18	32.62	13.58	13.31
L.S.D.	2.11	2.23	0.58	0.63	0.015	0.012	2.95	2.36	0.53	0.88