

**Table (1): Effect of thinning treatments on cluster traits of "Ruby Seedless" grapes during 2007 and 2008 seasons .**

Treatment	Cluster weight (g)		Number of berries/cluster		Cluster length (cm)		Compactness Coefficient	
	2007	2008	2007	2008	2007	2008	2007	2008
<b>Control</b>	372.80	338.00	190.20	178.56	24.67	23.80	7.89	7.46
<b>GA<sub>3</sub> 1.5 ppm</b>	314.33	290.10	133.50	126.20	26.30	25.80	5.08	4.88
<b>GA<sub>3</sub> 3 ppm</b>	330.40	286.80	138.00	123.80	27.30	26.50	5.05	4.67
<b>Urea (1%)</b>	293.50	278.50	140.30	129.50	26.50	26.00	5.29	4.98
<b>Brushing</b>	308.50	290.40	138.50	128.60	24.50	24.30	5.65	5.29
<b>L.S.D 5%</b>	<b>18.32</b>	<b>15.44</b>	<b>15.65</b>	<b>13.10</b>	<b>1.45</b>	<b>1.81</b>	<b>0.68</b>	<b>0.46</b>

**Table (2): Effect of CPPU and pinching on cluster traits of "Roomy Red" grapes during 2007 and 2008 seasons.**

Treatment	Cluster weight (g)		Number of berries/cluster		Cluster Length (cm)		Compactness coefficient	
	2007	2008	2007	2008	2007	2008	2007	2008
<b>Control</b>	335.80	324.80	59.11	61.10	31.20	30.30	1.92	2.04
<b>CPPU2.5 ppm</b>	414.00	408.50	76.80	79.70	32.33	33.33	2.22	2.24
<b>CPPU 5 ppm</b>	420.30	435.00	74.70	80.30	33.33	34.00	2.09	2.21
<b>Pinshing 25 %</b>	400.00	416.90	72.30	73.00	28.50	30.35	2.53	2.40
<b>Remove 25 %</b>	389.00	398.60	70.30	71.00	23.50	22.50	2.99	3.15
<b>Rem. 20% of shoot and cluster</b>	398.50	412.40	70.50	72.30	24.80	24.33	2.84	2.97
<b>L.S.D 5%</b>	<b>21.55</b>	<b>18.27</b>	<b>5.50</b>	<b>6.54</b>	<b>1.53</b>	<b>1.27</b>	<b>0.15</b>	<b>0.11</b>

**Table (3): Effect of thinning treatments on 10 berries weight (g) and some chemical constituents of "Ruby Seedless" grapes berries during 2007 and 2008 seasons.**

Treatment	10 berries weight (g)		TSS%		Acidity %		Reducing sugars %		Anthocyanin mg/g	
	2007	2008	2007	2008	2007	2008	2007	2008	2007	2008
<b>Control</b>	18.00	18.15	16.20	16.60	0.33	0.38	12.80	12.60	1.96	1.88
<b>GA<sub>3</sub> 1.5 ppm</b>	22.80	22.35	18.00	18.50	0.33	0.35	13.78	13.50	2.85	2.05
<b>GA<sub>3</sub> 3 ppm</b>	23.10	22.60	17.70	18.10	0.28	0.28	13.52	13.72	2.93	2.96
<b>Urea (1%)</b>	20.53	21.31	17.50	17.80	0.28	0.30	13.68	14.06	3.25	3.16
<b>Brushing</b>	21.65	22.45	17.30	18.00	0.25	0.29	14.25	13.80	3.56	3.68
<b>L.S.D 5%</b>	<b>2.26</b>	<b>2.58</b>	<b>0.93</b>	<b>1.13</b>	<b>0.07</b>	<b>0.06</b>	<b>0.72</b>	<b>0.91</b>	<b>0.17</b>	<b>0.13</b>

**Table (4): Effect of CPPU and pinching on 10 berries weight (g) and some chemical constituents of "Roomy Red" grapes berries during 2007 and 2008 seasons.**

Treatment	10 berries weight (g)		TSS%		Acidity %		Reducing sugars %		Anthocyanin mg/g	
	2007	2008	2007	2008	2007	2008	2007	2008	2007	2008
<b>Control</b>	52.75	50.35	16.20	16.50	0.45	0.48	11.36	11.78	0.61	0.65
<b>CPPU 2.5ppm</b>	55.95	54.00	15.85	16.30	0.43	0.44	11.15	11.80	1.13	1.18
<b>CPPU 5 ppm</b>	56.12	55.20	16.00	16.00	0.41	0.45	11.30	12.06	1.09	0.93
<b>Benching 25 %</b>	55.20	53.40	16.80	17.00	0.38	0.41	12.65	12.88	1.36	1.42
<b>Remove 25 %</b>	55.30	53.82	17.00	17.50	0.36	0.40	12.80	13.15	1.43	1.48
<b>Remove 20 %</b>	56.83	55.30	17.60	17.33	0.37	0.42	13.20	13.28	1.51	1.63
<b>L.S.D 5%</b>	<b>2.29</b>	<b>2.68</b>	<b>0.93</b>	<b>0.88</b>	<b>0.02</b>	<b>0.03</b>	<b>1.23</b>	<b>1.05</b>	<b>0.14</b>	<b>0.12</b>