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**EFFECTS OF PACLOBUTRAZOL AND SHORT-DAY CONDITIONS
ON GROWTH AND YIELD OF
STRAWBERRY (*Fragaria × ananassa* Duch. cv. Camarosa)**

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(*Fragaria × ananassa* Duch.)

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Table 1. Effect of short days, paclobutrazol and their combinations on vegetative shoot growth of 'Camarosa' strawberry.

Treatment	Total plant dry weight (g)	Shoot dry weight (g)	Chlorophyll (mg g ⁻¹ D.W.)	Leaf area (cm ²)	Diameter of petiole(mm)	Length of petiole(cm)	No. of leaf	No. of crown
SD	5.16bc	4.09bc	3.09d	39.24a	1.50cd	8.96a	16.00bc	2.00bc [†]
PBZ(0.2 mg plant ⁻¹)	10.21a	7.88a	4.78c	41.26a	1.78a	6.89b	20.75a	2.75 ab
PBZ(0.4 mg plant ⁻¹)	9.07a	7.05a	4.80b	39.08ab	1.64a-c	6.29bc	21.25a	3.00a
PBZ(0.6 mg plant ⁻¹)	9.20a	7.78a	5.87a	25.39d	1.70ab	5.53c	19.50ab	1.75c
SD+PBZ(0.2 mg plant ⁻¹)	6.56b	5.17b	4.08c	36.65ab	1.46d	6.96b	15.50c	2.25a-c
SD+PBZ(0.4 mg plant ⁻¹)	5.29bc	3.99bc	3.78c	28.62cd	1.58b-d	6.94b	16.00c	2.33a-c
SD+PBZ(0.6 mg plant ⁻¹)	3.99c	3.13c	4.29bc	33.20bc	1.78a	7.03b	15.25c	1.75c

[†] In each column, means followed with the same letters are not significantly different at 5% level of probability using LSD test.

SD= Short days, PBZ= Paclobutrazol, SD+PBZ= Using paclobutrazol after short day treatment.

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Treatment	Root dry weight (g)	Root diameter (mm)	No. of root
SD	1.07 c	0.81 c	61208 b [†]
PBZ(0.2 mg plant ⁻¹)	2.33 a	2.64 a	64354 ab
PBZ(0.4 mg plant ⁻¹)	2.02 ab	2.31 a	60359 b
PBZ(0.6 mg plant ⁻¹)	1.42 bc	1.28 b	74885 a
SD+PBZ(0.2 mg plant ⁻¹)	1.39 bc	1.36 b	53395 b
SD+PBZ(0.4 mg plant ⁻¹)	1.30 bc	1.34 b	58167 b
SD+PBZ(0.6 mg plant ⁻¹)	0.86 c	0.83 c	56271 b

Table 2. Effect of short days, paclobutrazol and their combinations on root growth of 'Camarosa' strawberry.

[†] In each column, means followed with the same letters are not significantly different at 5% level of probability using LSD test.

SD= Short days, PBZ= Paclobutrazol, SD+PBZ= Using paclobutrazol after short day treatment.

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Table 3. Effect of short days, paclobutrazol and their combinations on reproductive growth of 'Camarosa' strawberry.

Treatment	() Yield/plant (g)	() Diameter of fruit (mm)	() Average fruit weight (g)	No. of fruit/plant	No. of flower plant ⁻¹
SD	16.30 d	2.38 b	4.46 b-d	3.75 d	6.00 c [†]
PBZ(0.2 mg plant ⁻¹)	33.06 b	2.62 a	5.42 ab	6.25 b	5.00 c
PBZ(0.4 mg plant ⁻¹)	30.07 bc	2.43 ab	5.76 a	5.25 bc	10.00 b
PBZ(0.6 mg plant ⁻¹)	49.89 a	2.45 ab	4.76 b-d	10.50 a	19.00 a
SD+PBZ(0.2 mg plant ⁻¹)	16.46 d	2.32 b	4.36 cd	3.75 d	3.50 cd
SD+PBZ(0.4 mg plant ⁻¹)	16.67 d	2.39 b	4.16 d	4.00 d	3.25 d
SD+PBZ(0.6 mg plant ⁻¹)	25.34 c	2.53 ab	5.31 a-c	4.75 cd	5.75 cd

† In each column, means followed with the same letters are not significantly different at 5% level of probability using LSD test.

SD= Short days, PBZ= Paclobutrazol, SD+PBZ= Using paclobutrazol after short day treatment.

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