

Table 1. The effect of cover cladding and mulch types on plant characteristics and yield

First season												
Plant height		Leaf number		F.W.(g/pl.)		D.W.(g/pl.)		Chlorophyll (spad)	N content (%)	Early yield (Kg/m2)	Total yield (Kg/m2)	
30 days	60 days	30 days	60 days	30 days	60 days	30 days	60 days					
a. Cladding												
Old	97.0	181.4	25.1	45.4	94.6	213.3	11.7	24.2	49.5	4.94	0.78	3.1
New	79.4	170.2	32.7	52.1	100.0	269.8	12.2	30.2	52.6	5.46	0.85	5.1
LSD (5%)	11.3	11.2	7.6	6.7	5.4	56.1	0.14	5.93	2.30	0.34	0.153	0.98
Second season												
Old	92.5	170.4	23.9	42.6	90.2	200.3	11.2	22.8	47.2	4.41	0.74	3.0
New	75.7	159.8	31.2	48.9	95.4	253.4	11.8	28.4	50.1	4.86	0.85	4.8
LSD (5%)	10.7	10.5	7.2	6.2	5.1	52.7	0.14	5.57	2.19	0.32	0.150	0.94

Table 1. Cont.

First season												
Plant height		Leaf number		F.W.(g/pl.)		D.W.(g/pl.)		Chlorophyll (spad)	N content (%)	Early yield (Kg/m ²)	Total yield (Kg/m ²)	
30 days	60 days	30 days	60 days	30 days	60 days	30 days	60 days					
b. Mulch type												
Control	71.0	164.0	23.4	42.5	78.0	205.7	9.9	23.4	50.9	5.1	0.6	3.353
Paraffin	102.6	198.8	38.1	53.6	120.2	291.5	14.4	32.5	51.1	5.4	0.9	4.446
Silver	87.1	166.4	26.9	48.6	89.5	234.2	11.1	26.4	51.4	5.4	0.8	3.925
Black	99.3	184.8	31.5	51.4	113.6	257.3	13.7	28.9	51.3	5.0	0.9	4.855
Clear	80.8	165.0	24.5	47.4	85.2	218.9	10.7	24.8	50.5	5.2	0.9	3.870
LSD (5%)	14.9	7.6	3.2	2.2	9.3	19.2	0.24	2.03	N.S.	N.S.	0.04	0.144
Second season												
Control	67.7	154.1	22.3	39.9	74.4	193.2	9.5	22.1	48.5	4.585	0.61	3.197
Paraffin	97.8	186.7	36.4	50.4	114.6	273.8	13.8	30.6	48.7	4.582	0.86	4.239
Silver	83.1	156.3	25.6	45.7	85.3	220.0	10.7	24.9	49.0	4.814	0.75	3.742
Black	94.6	173.5	30.0	48.3	108.4	241.7	13.1	27.2	48.9	4.636	0.88	4.629
Clear	77.1	155.0	23.4	44.5	81.2	205.6	10.3	23.4	48.2	4.548	0.88	3.690
LSD (5%)	14.2	7.1	3.0	2.1	8.8	18.0	0.23	1.90	N.S.	N.S.	0.08	0.137

Table 2. The effect of interaction between cover glading and mulch on plant characteristics

Treatments		First season															
		Plant height				Leaf number				F.W.(g/pl.)		D.W.(g/pl.)		Chlorophyll (spad)	N content (%)	Early yield (Kg/m2)	Total yield (Kg/m2)
		30 days	60 days	30 days	60 Days	30 days	60 days	30 days	60 days								
First season																	
Old cover																	
r	Control	79.8	169.3	22.0	37.3	75.6	199.1	9.7	22.7	49.4	4.94	0.60	2.4				
	Paraffin	112.3	207.0	33.5	48.8	112.8	239.1	13.6	26.9	49.5	5.04	0.83	3.3				
	Silver	93.5	171.5	23.5	46.5	90.5	210.3	11.2	23.9	50.0	5.14	0.78	3.0				
	Black	110.5	189.3	24.0	48.0	107.4	212.7	13.0	24.1	49.8	4.75	0.88	3.9				
	Clear	88.9	170.0	22.3	46.3	86.6	205.2	10.8	23.4	48.9	4.85	0.83	2.9				
New cover																	
r	Control	62.3	158.8	24.8	47.8	80.5	212.4	10.2	24.1	52.5	5.35	0.63	4.3				
	Paraffin	93.0	190.5	42.8	58.5	127.6	343.9	15.2	38.0	52.6	5.68	0.90	5.6				
	Silver	80.8	161.3	30.3	50.8	88.5	258.1	11.0	28.9	52.9	5.57	0.83	4.9				
	Black	88.0	180.3	39.0	54.8	119.9	301.9	14.3	33.6	52.7	5.24	0.95	5.8				
	Clear	72.8	160.0	26.8	48.5	83.8	232.6	10.5	26.3	52.2	5.46	0.93	4.8				
LSD (5%)		N.S.	N.S.	4.5	3.2	N.S.	27.1	0.35	2.86	N.S.	N.S.	N.S.	0.20				
Second season																	
Old cover																	
r	Control	76.0	159.0	21.0	35.0	72.1	187.0	9.3	21.4	47.1	4.9	0.6	2.3				
	Paraffin	107.0	194.4	31.9	45.8	107.5	224.6	13.0	25.4	47.2	5.0	0.8	3.1				
	Silver	89.1	161.1	22.4	43.7	86.3	197.5	10.8	22.5	47.6	4.8	0.7	2.8				
	Black	105.4	177.8	22.9	45.1	102.4	199.8	12.5	22.8	47.5	4.8	0.8	3.7				

New cover	Clear	84.7	159.7	21.2	43.4	82.6	192.8	10.4	22.0	46.6	5.1	0.8	2.8
	Control	59.4	149.1	23.6	44.9	76.7	199.5	9.8	22.8	50.0	5.3	0.7	4.1
	Paraffin	88.7	178.9	40.8	55.0	121.6	323.0	14.5	35.8	50.2	5.2	0.9	5.4
	Silver	77.0	151.5	28.8	47.7	84.4	242.4	10.6	27.3	50.4	5.6	0.8	4.6
	Black	83.9	169.3	37.2	51.4	114.3	283.6	13.8	31.6	50.2	5.7	0.9	5.6
	Clear	69.4	150.3	25.5	45.6	79.9	218.5	10.1	24.8	49.8	5.5	1.0	4.6
LSD (5%)		N.S.	N.S.	4.3	3.0	N.S.	25.5	0.3	2.7	N.S.	N.S.	N.S.	0.19