表三、葉菜甘藷‘桃園 2 號’在不同營養管理下之平均 FRAP 抗氧化力、清除 DPPH 自由基能力及多酚含量

Table 3. Average antioxidant capacity FRAP value, scanvenging DPPH free radical ability and total phenolics of leafy sweet potato ‘Taoyuan No.2’ under different fertilization.

Year	Treatment[z]	FRAP (mg Vitamin C /g DW.)	Scanvenging DPPH ability (mg Trolox/g DW.)	Total phenolics (mg Gallic acid /g DW.)
2009	CF	52.7[ay]	55.4[ab]	25.6[b]
	OF	53.5[a]	48.4[b]	23.7[b]
	1/2-OF	56.4[a]	60.9[a]	29.4[b]
	Pre-OF	59.9[a]	61.1[a]	49.4[a]
2010	CF	10.9[a]	6.3[c]	6.0[b]
	OF	9.6[a]	6.5[c]	6.6[ab]
	1/2-OF	11.5[a]	10.2[b]	6.8[ab]
	Pre-OF	12.2[a]	12.3[a]	8.4[a]

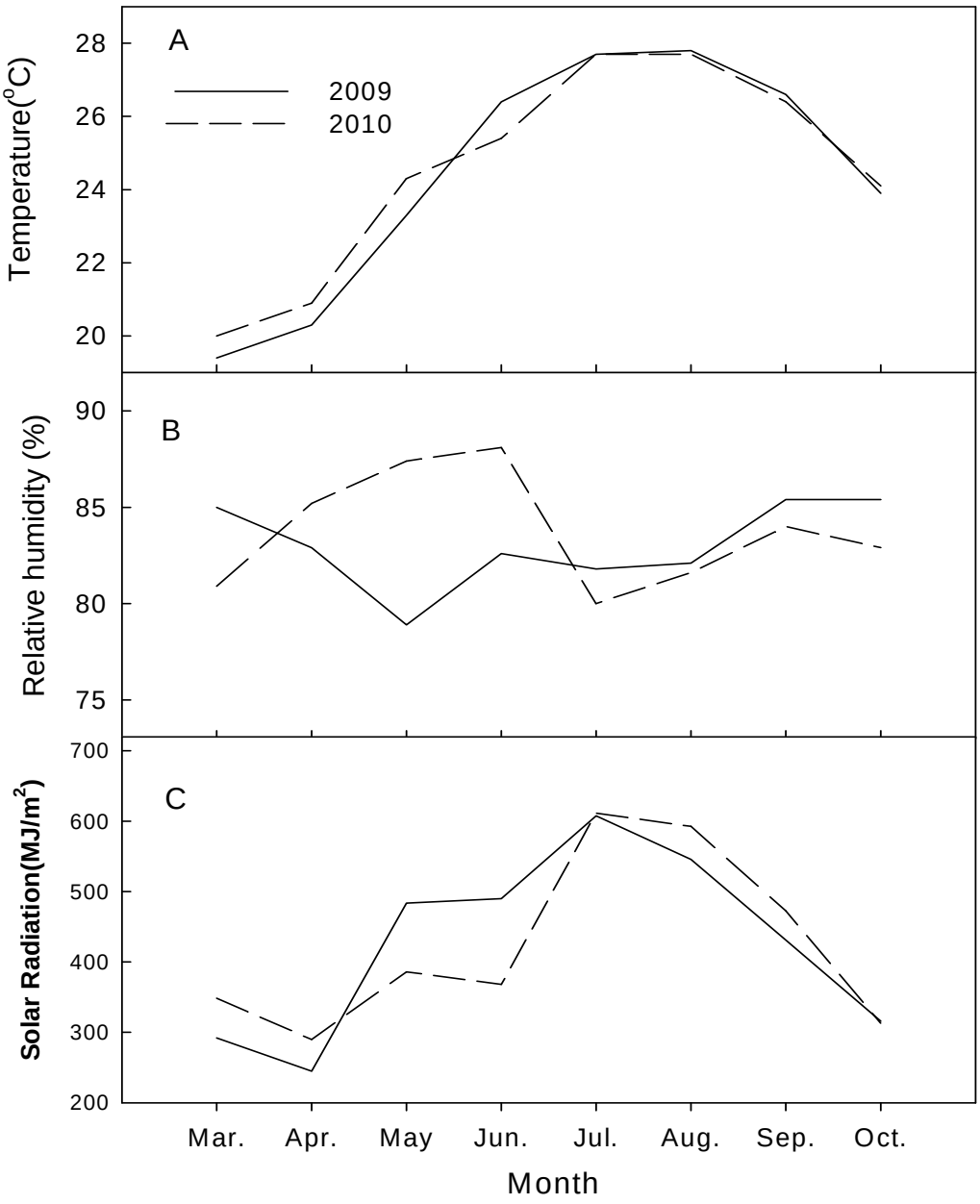
[z]: See the Table 1.
[y]: Means with the same letter within each column indicates no significant difference at 5% level by LSD test.

表四、葉菜甘藷‘臺農 71 號’在不同營養管理下之平均 FRAP 抗氧化力、清除 DPPH 自由基能力及多酚含量

Table 4. Average antioxidant capacity FRAP value, scanvenging DPPH free radical ability and total phenolics of leafy sweet potato ‘Tainung No.71’ under different fertilization.

Year	Treatment[z]	FRAP (mg Vitamin C /g DW.)	Scanvenging DPPH ability (mg Trolox/g DW.)	Total phenolics (mg Gallic acid /g DW.)
2009	CF	49.9[by]	48.1[a]	24.3[b]
	OF	44.7[b]	40.0[b]	25.7[b]
	1/2-OF	52.2[b]	48.2[a]	28.4[ab]
	Pre-OF	63.3[a]	50.8[a]	32.3[a]
2010	CF	9.4[a]	7.4[a]	5.7[a]
	OF	9.2[a]	7.3[a]	5.2[a]
	1/2-OF	9.8[a]	7.5[a]	6.6[a]
	Pre-OF	9.7[a]	7.8[a]	6.0[a]

[z]: See the Table 1.
[y]: Means with the same letter within each column indicates no significant difference at 5% level by LSD test.



圖一、試驗期間之溫度、相對濕度與日射量變化（2009 年 3 月至 10 月及 2010 年 3 月至 10 月）

Fig. 1. Fluctuation of (A) temperature, (B) relative humidity, and (C) solar radiation in March to October of 2009 and 2010.