表一、貯運期長短、貯運溫度與根部狀態對蔓綠絨‘綠帝王’品種小苗貯後鮮重與品質的影響

Table 1. Effects of simulated transport duration, temperature and root condition on subsequent fresh weight change and post-storage performance in young plants of *Philodendron* ‘Imperial Green’.

Simulated	Storage	Root condition

transport duration (weeks)	temp.（℃）		Fresh wt. change (%)[z]	Quality index [y]
1	15	With medium	97.4 bc	5.0 a
	15	Bare-root	107.8 a	5.0 a
	30	With medium	96.7 bc	4.8 a
	30	Bare-root	63.3 f	2.9 d
2	15	With medium	98.2 bc	5.0 a
	15	Bare-root	75.8 e	4.3 b
	30	With medium	92.7 c	3.9 c
	30	Bare-root	43.5 g	2.1 e
4	15	With medium	101.2 b	4.8 a
	15	Bare-root	48.6 g	2.8 d
	30	With medium	87.5 d	0.5 f
	30	Bare-root	14.2 h	0 f

[z] The fresh wt. change (%)=Wt. after storage / Wt. before storage × 100%.

[y] Quality index: 5, excellent; 4, good; 3, medium; 2, poor, unsalable; 1, very poor; 0,worst.

[x] Mean separation within columns by Fisher's LSD test (P=0.05).

表二、貯運溫度及貯運時根部狀態對蔓綠絨'綠帝王'品種小苗黃化發生起始日及貯運壽命的影響

Table 2. Effects of simulated transport temperature and root condition on the days to leaf chlorosis and storage life in young plants of *Philodendron* 'Imperial Green'.

Storage temp.（℃）	Pre-transport water management	Transport root condition	Fresh wt. change (%) [z]			Quality index [y]		
			1(wks)	2	4	1	2	4
10	Normal[x]	With medium	103.a[w]	104.5 a	93.5 b	5.0 a	4.8 ab	4.3 bc
	Normal	Bare-root	81.0 c	71.2 d	37.8 g	5.0 a	4.8 ab	2.6 e
	Slight drought stress	With medium	98.3 ab	106.1 a	96.3 b	5.0 a	4.8 ab	2.5 e
15	Normal	With medium	94.3 b	104.8 a	95.6 b	5.0 a	5.0 a	3.8 c
	Normal	Bare-root	80.5 c	60.8 e	46.5 f	5.0 a	4.6 ab	3.9 c
	Slight drought stress	With medium	102.4 a	102.5 a	102.2 a	5.0 a	5.0 a	3.1 d

	Normal	With medium	101.4 a	101.7 a	77.3 c	4.5 b	4.0 c	2.8 de
30	Normal	Bare-root	44.3 f	31.7 g	18.2 h	3.8 c	2.7 de	1.7 f
	Slight drought stress	With medium	101.5 a	98.9 ab	78.5 c	4.7 ab	4.2 bc	2.8 de

表三、貯運溫度、貯運期長短、貯前輕微缺水逆境處理與根部狀態對冬季生產之蔓綠絨'綠帝王'品種小苗貯後鮮重與品質的影響

Table 3. Effect of simulated transport temperature, duration, pre-transport slight drought stress and root condition on subsequent fresh weight change and post-storage performance in winter-grown yong plants of Philodendron 'Imperial Green'.

Storage temp. (℃)	Root condition	Days to leaf chlorosis	Storage life (days)[z]
15	With medium	>28	>28
15	Bare-root	8.7	15.7
30	With medium	16.0	25.0
30	Bare-root	4.7	9.7

[z] The storage life is defined as the days to 50% leaves expressing chlorosis.

z The fresh wt. change (%)=Wt. after storage / Wt. before storage × 100%.

y Quality index: 5, excellent; 4, good; 3, medium; 2, poor, unsalable; 1, very poor; 0, worst.

x 'Normal' indicates irrigating normally and plants did not receive slight drought stress.

w Mean separation within columns by Fisher's LSD test (P=0.05).

表四、貯運溫度、貯前輕微缺水逆境處理與根部狀態對冬季生產之蔓綠絨'綠帝王'品種小苗貯運壽命及黃化發生起始日的影響

Table 4. Effect of simulated transport temperature, pre-transport slight drought stress and root condition on the days to leaf chlorosis and storage life in winter-grown young plants of *Philodendron* 'Imperial Green'.

Pre-transport water management	Transport root condition	Days to leaf chlorosis			Storage life(days)[z]		
		10℃	15℃	30℃	10℃	15℃	30℃
Normal [y]	With medium	22.3	16.3	5.2	>28	>28	20.2
Normal	Bare-root	22.3	15.8	3.3	>28	>28	9.5
Slight drought stress	With medium	21.8	17.3	8.0	26.2	>28	22.7

[z] The storage life is defined as the days to 50% leaves expressing chlorosis.

[y] 'Normal' indicates irrigating normally and plants did not receive slight drought stress.