表 1. 稜角絲瓜引種觀察試驗

Table 1. The Horticultural characters of import ridge guard cultivated species.

Variety	Days of[1] first female flower (day)	Individual fruit wt. (g)	Fruit length (cm)	Fruit width (cm)	Yield (kg/ha)	Yield index (%)
Chun-fong	39.1 b[2]	850.5 a	81.5 a	4.8 b	15,232 ab	144
Srilanka-1	36.2 a	650.4 ab	62.6 ab	5.6 ab	15,486 ab	146
Gin-ko	39.2 b	600.6 ab	58.5 ab	5.5 ab	14,283 ab	135
Sulilanka-2	34.3 bc	460.1 b	57.0 ab	6.0 a	16,949 a	160
Veinan	39.4 b	550.8 ab	51.7 ab	5.4 ab	13,685 ab	129
Gin-li	36.3 a	467.6 b	46.3 b	5.5 ab	14,857 ab	140
Lu-ba	36.3 a	570.1 ab	42.5 bc	5.7 ab	12,648 ab	119
Gunton	36.2 a	500.5 ab	31.3 c	6.9 a	13,736 ab	129
Penghu 1(CK_1)	30.4 b	420.4 b	45.5 b	5.4 ab	17,482 a	165
PH local(CK_2)	36.3 a	256.8 c	29.8 c	5.6 ab	10,572 b	100

Planting date : 2011, 9th Sep. Harvesting date : 2011, 19th Oct.-30th Oct.

[1] Days after planting.

[2] Results within column followed by the same letter are not significantly different by LSD test at 0.05 level.

澎湖地區南瓜品種選育

施純堅、李澤宏

南瓜為世界性蔬菜，具有機能性，有益人體健康，栽培面積逐年增加。澎湖南瓜品質優良，「南瓜炒米粉」地方料理正夯，深獲觀光客與澎湖居民喜愛。澎湖目前栽培的品種均為農民自留種，調查發現，目前栽培品種具有整齊度差，果實太大、結果率低等缺點。本計畫育種目標為育成早(晚)生、小果(＜3 kg)、糖度高、豐產、抗病毒病優質新品種。本(100)年度進行品系比較試驗，結果顯示，KPHC98019 品系之平均單果重約 1,970 g，屬於小果品系，適合一般小家庭消費，可溶性固形物為 16.3 °Brix，較對照品種阿雄高出 5.6°Brix，差異顯著，產量為 22,222 kg/ha，比對照品種阿雄增產 96.1 %。KPHC98031 新品系之平均單果重為 2,150 g，亦屬於小果品種，可溶性固形物可達 19.4 °Brix，較對照品種阿雄高出 8.4°Brix，差異顯著，產量 17,444 kg/ha較對照品種阿雄 11,333 kg/ha高出 53.9%，差異顯著，以上 2 個優質新品系晉入 101 年地方試種。

表1. 食用南瓜品系比較試驗

Table1. The trail of pumpkin.

Variety	Fruit Wight (g)	Fruit Length (cm)	Fruit Width (cm)	Fruitcavity length (cm)	Fruitcavity width (cm)
KPHC98008	1,950 cde[2]	25.8 b	14.2 c	16.7 bc	8.7 cd
KPHC98009	1,570 de	16.8 de	14.0 c	8.9 f	7.9 d
KPHC98010	2,420 bc	25.9 b	14.5 c	18.4 b	8.5 bcd
KPHC98017	1,330 e	19.3 cd	15.0 bc	12.9 de	10.0 bcd
KPHC98019	1,970 cde	21.0 c	15.0 bc	13.9 cd	9.5 bcd
KPHC98029	1,620 cde	16.0 e	14.2 c	10.2 ef	8.7 cd
KPHC98031	2,150 cd	14.5 e	18.3 a	8.0 f	11.7 ab
KPHC98032	3,070 b	19.9 c	18.7 a	13.0 de	12.7 a
Y-hsiung(CK)	4,580 a	35.0 a	17.6 ab	24.0 a	10.2 bc

表1. (續)

Table 1. Cont.

Variety	Flesh (cm)	Total soluble solid (°Brix)	Yield (kg/ha)	Yield Index (%)	Days of first[1] female flower (day)
KPHC98008	3.0 abc	15.0 c	14,074 bc	124.2	35.6 c
KPHC98009	3.1 abc	15.0 c	13,830 bc	122.0	28.8 a
KPHC98010	3.2 abc	14.9 c	16,333 b	144.1	32.4 ab
KPHC98017	2.7 c	17.0 bc	16,519 b	145.8	34.4 bc
KPHC98019	3.1 abc	16.3 bc	22,222 a	196.1	28.6 a
KPHC98029	2.7 bc	17.4 ab	16,556 b	146.1	32.6 a
KPHC98031	3.2 abc	19.4 a	17,444 b	153.9	29.4 a
KPHC98032	3.4 ab	17.0 bc	13,556 bc	119.6	33.3 ab
Y-hsiung(CK)	3.7 a	10.7 d	11,333 c	100.0	30.5 a

Planting date : 2011, 18th Jan. Harvesting date : 2011, 3rd Jun.-9th Jun.

[1] Days after planting.

[2] Results within column followed by the same letter are not significantly different by LSD test at 0.05 level.

無子西瓜品種改良

施純堅、李澤宏

無子西瓜耐儲運性較佳，本計畫之育種目標為育成品質優良、糖度 12 °Brix 以上、小果(單果重≦3 公斤)、紅肉色及耐儲運之無子西瓜新品種，供產業參採。本(100)年度進行品系比較試驗及地方試種，品系比較試驗結果選