三、區域試驗

(一)產量：

善化鎮試區各期作 CHT1201 與對照品種台南亞蔬六號之產量間無顯著差異，春作每公頃平均產量為 35.1　38.4 公噸，秋作則高達 67.5　83.1 公噸；另外在宜蘭縣羅東鎮及三星鄉試區產量表現，二參試品系春作產量與對照品種台南亞蔬六號之間無顯著差異，秋作產量與台南亞蔬六號具顯著性差異，並以 CHT1201 產量較高。CHT1201 春作時每公頃產量平均為 21.0　33.1 公噸，秋作為 54.3　56.1 公噸，較台南亞蔬六號增產 9　29 % (詳如表三)。

表三、小果番茄雜交一代品系區域試驗產量（公噸/公頃）比較 [1]

Table 3. The yield comparison among fresh cherry tomato hybrid line (F_1) at regional trials

Crop	Hybrid line	Yield (MT/ha)			Means
		Shanhua	SanShing	LoDong	
2001					
spring crop	CHT1201	35.1[a] (91) [2]	—	27.9[a] (105)	33.1[a] (102)
	Tainan Asveg 6 (CK)	38.4[a] (100)	—	26.6[a] (100)	32.5[a] (100)
autumn crop	CHT1201	83.1[a] (101)	33.2[a] (116)	46.7[a] (121)	54.3[a] (109)
	Tainan Asveg 6 (CK)	82.7[a] (100)	28.5[b] (100)	38.5[b] (100)	49.9[b] (100)
2002					
spring crop	CHT1201	—	22.2[a] (96)	19.6[a] (102)	21.0[a] (98)
	Tainan Asveg 6 (CK)	—	23.4[a] (100)	19.3[a] (100)	21.4[a] (100)
autumn crop	CHT1201	73.4[a] (109)	44.7[a] (147)	50.3[a] (152)	56.1[a] (129)
	Tainan Asveg 6 (CK)	67.5[a] (100)	30.3[b] (100)	33.1[b] (100)	43.6[b] (100)

[1] Means followed by the same letters are not significantly different at 5% level.

[2] Numbers in parenthesis is percentage index by yield of new lines/control variety.