

**Summary results from the 1992 University of Vermont
‘Liberty’ Planting of the NC-140
Principal Collaborators: M. E. Garcia and L. P. Berkett**

Liberty/CG.202 (Dwarf)

Number of reps: 6

<i>Year</i>	<i>Ave. Harvest /Tree (lb)</i>	<i>Ave. Drops/ Tree (lb)</i>	<i>% Drop</i>	<i>TCSA (cm²)</i>
1998	42.7	13.4	23.9	15.5
1999	10.3	20.4	66.4	18.4
2000	48.6	22.9	32.0	21.6

Cumulative Yield Efficiency: 3.34 kg·cm⁻² (1st out of 11)

Liberty/M.9 (Dwarf)

Number of reps: 6

<i>Year</i>	<i>Ave. Harvest /Tree (lb)</i>	<i>Ave. Drops/ Tree (lb)</i>	<i>% Drop</i>	<i>TCSA (cm²)</i>
1998	14.7	5.1	25.8	7.7
1999	6.0	7.8	56.5	9.1
2000	17.2	11.9	40.9	10.4

Cumulative Yield Efficiency: 2.75 kg·cm⁻² (ranking: 5th out of 11)

Liberty/CG.13 (Dwarf)

Number of reps: 6

<i>Year</i>	<i>Ave. Harvest /Tree (lb)</i>	<i>Ave. Drops/ Tree (lb)</i>	<i>% Drop</i>	<i>TCSA (cm²)</i>
1998	61.4	12.8	17.3	30.3
1999	20.4	22.7	52.7	38.1
2000	55.4	21.8	28.2	42.0

Cumulative Yield Efficiency: 2.10 kg·cm⁻² (11th out of 11)

Liberty/CG.222 (Semi-Dwarf)

Number of reps: 6

Year	Ave. Harvest /Tree (lb)	Ave. Drops/ Tree (lb)	% Drop	TCSA (cm ²)
1998	14.1	11.0	43.8	14.6
1999	10.0	28.6	74.1	17.8
2000	52.3	15.6	30.0	21.3

Cumulative Yield Efficiency: 3.18 kg·cm⁻² (ranking: 2nd out of 11)

Liberty/CG.210 (Semi-Dwarf)

Number of reps: 6

Year	Ave. Harvest /Tree (lb)	Ave. Drops/ Tree (lb)	% Drop	TCSA (cm ²)
1998	49.9	11.0	18.1	23.5
1999	13.3	45.9	77.5	30.0
2000	74.2	22.2	23.0	32.8

Cumulative Yield Efficiency: 3.00 kg·cm⁻² (ranking: 3rd out of 11)

Liberty/CG.30 (Semi-Dwarf)

Number of reps: 6

Year	Ave. Harvest /Tree (lb)	Ave. Drops/ Tree (lb)	% Drop	TCSA (cm ²)
1998	47.7	5.7	10.6	14.6
1999	19.0	39.5	67.5	17.8
2000	85.3	24.8	22.5	21.3

Cumulative Yield Efficiency: 2.82 kg·cm⁻² (ranking: 4th out of 11)

Liberty/CG.707 (Semi-Dwarf)

Number of reps: 6

<i>Year</i>	<i>Ave. Harvest /Tree (lb)</i>	<i>Ave. Drops/ Tree (lb)</i>	<i>% Drop</i>	<i>TCSA (cm²)</i>
1998	48.2	10.6	18.0	24.7
1999	20.2	32.1	61.4	32.1
2000	73.5	28.4	27.9	37.6

Cumulative Yield Efficiency: 2.58 kg·cm⁻² (ranking 6th out of 11)

Liberty/M.7a (Semi-Dwarf)

Number of reps: 6

<i>Year</i>	<i>Ave. Harvest /Tree (lb)</i>	<i>Ave. Drops/ Tree (lb)</i>	<i>% Drop</i>	<i>TCSA (cm²)</i>
1998	22.0	2.9	11.6	15.7
1999	10.4	24.9	70.5	19.1
2000	35.2	19.4	35.5	21.8

Cumulative Yield Efficiency: 2.39 kg·cm⁻² (ranking: 8th out of 11)

Liberty/CG.189 (Semi-Vigorous)

Number of reps: 6

<i>Year</i>	<i>Ave. Harvest /Tree (lb)</i>	<i>Ave. Drops/ Tree (lb)</i>	<i>% Drop</i>	<i>TCSA (cm²)</i>
1998	68.9	17.4	20.2	38.4
1999	27.3	49.4	38.1	48.8
2000	103.9	42.0	42.0	57.6
<i>Cumulative Yield Efficiency: 2.44 kg·cm⁻² (ranking: 7th out of 11)</i>				

Liberty/MM.111 (Semi-Vigorous)

Number of reps: 6

<i>Year</i>	<i>Ave. Harvest /Tree (lb)</i>	<i>Ave. Drops/ Tree (lb)</i>	<i>% Drop</i>	<i>TCSA (cm²)</i>
1998	61.6	9.7	13.6	32.9
1999	11.2	45.2	80.1	39.6
2000	73.0	15.2	17.2	43.7
<i>Cumulative Yield Efficiency: 2.24 kg·cm⁻² (ranking: 9th out of 11)</i>				

Liberty/CG.934 (Semi-Vigorous)

Number of reps: 6

<i>Year</i>	<i>Ave. Harvest /Tree (lb)</i>	<i>Ave. Drops/ Tree (lb)</i>	<i>% Drop</i>	<i>TCSA (cm²)</i>
1998	82.1	48.6	37.2	52.7
1999	28.5	38.7	57.6	65.1
2000	115.8	40.7	26.0	74.9
<i>Cumulative Yield Efficiency: 2.15 kg·cm⁻² (ranking: 10th out of 11)</i>				