

Three selections, south end Row 11 from west, CHES

7/15/08



Over-The-Row Tart Cherry Harvest Trial 2008

- Fruit was harvested from 45 trees at CHES, about 1-2 weeks past normal harvest maturity with no ethephon.
- Most trees were ~10 year-old MSU seedling selections plus Montmorency, planted at 6 X 14 ft with no training.
- MSU selection 25-14 (5 trees), Tamaris (3 trees) and Nana (2 trees) were ~6 years old, planted at a wider spacing on MXM 2 rootstock, and trained lightly since establishment.
- Trees had to accommodate the 5'X8' tunnel opening of the Korvan 7420 Blueberry harvester.



First 25 selections, CHES 7/15/08





Trial Summary

- Fruit pull force ranged from 150 to 600
- 85-95% fruit removal
- Branches above 10 ft had poor fruit removal
- A few small broken branches on untrained trees

Collecting fruit at various stages in harvester system





Harvested 7/16/08 and soft fruit test on 7/17/08 performed by N. Rothwell and E. Lizotte

Off The Tree	Soft Cherries	Total Cherries	Percent
Mont	6	106	5.7
2712 (12)	1	77	1.3
Tamaris	2	88	2.3
Nana	1	91	1.1
2514 (20)	0	82	0.0
2717 (1)	0	81	0.0
Conveyor			
2712 (2)	31	111	27.9
Tamaris	8	113	7.1
2514 (20)	23	237	9.7
2717 (1)	26	105	24.8
Lugs			
Mont	65	178	36.5
2712 (12)	52	145	35.9
Tamaris	74	227	32.6
Nana	36	156	23.1
2514 (20)	12	100	12.0
2717 (1)	15	120	12.5