

MSU Fruit Team Apple Maturity Report 2005

2005 Project Researcher: Dr. Randy Beaudry, Agents: Phil Schwallier and Amy Brown

Report # **6**

Today's Date: **10/3/2005**

Sample Date	Location	Strain/Rootstock	Ethylene			Firmness			Starch			Brix			Color		Weight	Storage
			Mean % > .2	Index		Mean	Range	Index	Mean	Range	Index	Mean	Range	Index	Red	Back	grams	Potential
Cortland																		
9-20	Ches	Redcort/	40.47	80	Overmature	16.7	15-18	Excellent	1.8	1-8	Immature	13.4	13-14	Excellent	85	4.0	244	Mid-Term
Empire																		
9-20	Peach Ridge	/	0.11	10	Immature	19.0	17-23	Export	2.1	1-3	Immature	12.8	13-13	Excellent	55	3.0	117	Immature
9-20	Peach Ridge	/	0.11	10	Immature	17.5	15-19	Excellent	3.0	2-4	Mature	12.7	12-14	Excellent	50	3.0	134	Immature
Jonathan																		
9-20	Peach Ridge	Ruby/	2.30	90	Mature	18.0	13-23	Excellent	5.9	4-8	Mature	15.3	15-16	Excellent	98	1.0	112	Long-Term
Jonagold																		
9-20	Ches	/	0.22	30	Mature	16.1	14-18	Excellent	4.8	4-7	Mature	11.8	11-13	Good	30	5.0	268	Long-Term
9-20	Peach Ridge	/	0.25	30	Mature	16.9	15-21	Excellent	5.2	3-6	Mature	13.3	12-15	Excellent	55	3.0	220	Long-Term
9-27	Ches	/	0.22	50	Mature	15.8	14-18	Good	6.6	5-8	Overmature	13.6	13-14	Excellent	40	3.0	260	Mid-Term
9-27	Peach Ridge	/	0.61	70	Mature	15.9	14-18	Good	6.2	5-7	Mature	14.8	14-16	Excellent	66	3.0	288	Long-Term
9-27	Peach Ridge	/	0.15	30	Mature	15.0	13-16	Fair	6.9	6-8	Overmature	12.9	12-14	Excellent	55	3.0	204	Mid-Term
Golden Delicious																		
9-20	Belding	Smoothee/	0.06	0	Immature	18.0	15-21	Excellent	3.9	2-6	Mature	13.6	13-14	Excellent		3.0	150	Immature
9-20	Ches	Smoothee/	0.21	40	Mature	18.5	16-21	Excellent	4.6	3-7	Mature	14.8	14-16	Excellent		3.0	193	Long-Term
9-27	Belding	Smoothee/	0.06	0	Immature	16.9	15-21	Good	5.4	4-7	Mature	14.0	14-15	Excellent		4.0	167	Immature
9-27	Ches	Smoothee/	0.60	60	Mature	16.6	14-19	Good	5.6	4-7	Mature	15.4	14-17	Excellent		3.0	202	Long-Term
Red Delicious																		
9-20	Belding	Red Chief/	0.09	10	Immature	18.5	16-21	Excellent	2.8	2-3	Mature	12.4	12-13	Excellent	78	2.0	147	Immature
9-27	100	/	7.63	80	Mature	17.5	16-19	Good	3.5	3-5	Mature	12.8	12-13	Excellent	69	1.0	161	Long-Term
9-27	Belding	Red Chief/	0.47	30	Mature	17.4	14-20	Good	3.3	2-7	Mature	12.3	11-13	Excellent	89	1.0	168	Long-Term
9-27	Ches	/	7.08	60	Mature	15.7	13-18		6.9	6-7	Overmature	12.9	13-13	Excellent	81	1.0	160	Mid-Term
Idared																		
9-27	Ches	/	0.73	60	Mature	16.2	14-21	Excellent	2.6	1-4	Immature	13.6	13-15	Excellent	49	4.0	197	Long-Term
9-27	Peach Ridge	/	0.28	40	Mature	16.0	14-18	Good	3.2	1-5	Immature	12.2	11-13	Excellent	53	3.0	173	Long-Term
Mutsu																		
9-27	Ches	/	0.10	10	Immature	18.4	16-21	Excellent	2.0	2-2	Immature	12.9	12-14	Excellent	5	5.0	232	Immature
Fuji																		
9-20	Ches	Anvil Early/	0.33	80	Mature	16.0	14-19		6.5	4-7	Mature	13.0	13-13	Excellent	80	2.0	162	Long-Term