

Maturity Report September 16, 2013, Virginia Tech

Sample Collection Date	Cultivar	Location	Number of Orchards Tested (10)		Red Color (%)	Firmness (lbs)	Soluble Solids (°Brix)	Starch-iodine Index (1-8)**	Fruit Diameter (inches)	Fruit wt. (g)	Ethylene (ppm)	Fruit diameter (mm)
			Fruit Each	Background Color (1-4)*								
8/14/13	Gala (Crimson)	AHS JR AREC	1		23.5	23.0	11.1	1.2	2.8	151	1.07	70.05
8/19/13	Gala (Crimson)	AHS JR AREC	1		36.0	22.0	11.2	1.1	2.7	154	0.00	69.05
8/14/13	Gala (Buckeye)	AHS JR AREC	1		59.5	23.9	12.2	1.4	2.7	161	0.00	69.50
8/19/13	Gala (Buckeye)	AHS JR AREC	1		74.6	21.3	11.4	2.0	2.9	181	0.00	73.40
8/14/13	Gala (Royal)	AHS JR AREC	1		12.4	20.1	10.8	1.6	2.8	171	0.00	72.05
8/19/13	Gala (Royal)	AHS JR AREC	1		28.8	18.9	11.5	2.9	2.9	174	1.51	72.80
8/26/13	Gala	Various	4		91.1	18.0	12.4	5.4	2.9	185	1.71	
8/14/13	Golden Supreme	AHS JR AREC	1	2.8		19.9	10.9	1.9	3.1	210	0.55	77.95
8/17/13	Golden Supreme	AHS JR AREC	1	2.3		17.7	10.7	2.2	3.0	218	1.38	77.40
8/19/13	Golden Supreme	AHS JR AREC	1	2.6		17.2	10.7	2.1	3.2	232	0.28	80.20
8/26/13	Golden Supreme	AHS JR AREC	1	2.6			12.0	2.5	2.9	178	0.69	72.78
8/14/13	Ginger Gold	AHS JR AREC	1	3.5		17.9	12.5	1.5	3.1	213	0.00	79.50
8/19/13	Ginger Gold	AHS JR AREC	1	3.8		18.1	12.5	1.4	3.1	195	0.00	77.90
8/26/13	Ginger Gold	AHS JR AREC	2	3.9		16.0	12.8	3.5	3.2	210	0.00	
8/19/13	Honeycrisp	AHS JR AREC	1		10.6	15.8	10.6	1.3	3.0	197	0.76	76.80
8/26/13	Honeycrisp	Various	2		54.3	15.1	12.3	3.2	3.2	222	2.22	
8/19/13	Red Delicious	AHS JR AREC	1		54.0	19.7	9.5	1.3	2.8	171	0.00	71.45
8/21/13	Red Delicious	AHS JR AREC	1		65.0	10.8	9.9	1.2	2.8	169	0.00	71.20
8/26/13	Red Delicious	Various	16		91.3	18.4	9.8	2.0	2.9	181	0.25	
9/3/13	Red Delicious	Various	4		94.6	16.4	9.8	1.4	3.0	205	1.15	
9/10/13	Red Delicious	AHS JR AREC	2		91.8	17.3	10.0	2.6	3.0	221	7.68	
9/16/13	Red Delicious	AHS JR AREC	3		95.5	17.8	11.7	2.8	3.0	208	5.91	
8/19/13	Empire	AHS JR AREC	1		56.5	19.3	10.4	1.7	2.9	168	0.00	74.25
8/26/13	Empire	AHS JR AREC	4		63.0	18.6	10.6	1.5	2.7	144	0.04	
9/3/13	Empire	AHS JR AREC	1		64.0	16.2	10.1	2.4	2.7	134	0.59	
9/16/13	Empire	AHS JR AREC	1		84.4	17.4	12.7	3.8	2.8	155	0.32	
8/26/13	Cameo	AHS JR AREC	1		33.5	18.1	10.2	1.7	2.9	186	0.53	
8/26/13	Fuji (Early Strains)	Various	2		80.3	16.3	13.6	4.3	3.2	223	1.51	
9/10/13	Fuji (Early Strain, Daybreak)	AHS JR AREC	1		84.2	15.3	12.8	6.3	3.2	210	1.13	
9/10/13	Fuji (Late Strain, BC2)	AHS JR AREC	1		30.0	18.4	10.8	2.4	2.9	183	0.20	
9/16/13	Fuji (Late Strain, BC2)	AHS JR AREC	1		30.0	17.9	11.0	3.3	3.1	227	0.83	
8/26/13	Golden Delicious	Various	23	2.3		18.3	11.9	2.2	2.9	176	0.17	
9/3/13	Golden Delicious	Various	3	2.4		16.1	11.8	1.9	3.0	179	0.56	
9/10/13	Golden Delicious	AHS JR AREC	2	2.3		16.9	13.1	2.7	3.1	207	0.39	
9/16/13	Golden Delicious	AHS JR AREC	3	2.4		15.8	13.1	4.6	3.0	200	0.75	
8/26/13	Idared	Various	6		41.1	17.5	10.1	1.2	3.0	173	0.12	
9/16/13	Idared	AHS JR AREC	1		46.5	14.7	11.6	3.1	3.1	193	1.10	
8/26/13	Jonagold	AHS JR AREC	1		35.5	18.7	11.8	2.8	3.0	186	0.00	
8/26/13	Rome	Various	1		21.2	24.6	9.2	2.0	3.0	190	0.00	
9/3/13	Rome	Various	2		52.6	21.4	10.0	2.2	3.0	187	0.64	
9/16/13	Rome	AHS JR AREC	2		56.8	21.9	11.7	3.4	3.1	198	0.27	
8/26/13	York	AHS JR AREC	1		53.5	24.4	9.4	1.0	3.0	166	1.20	

\* 1 = green, 2 = light green, 3 = yellowish green, 4 = yellow.

\*\* 1 = 100% starch, 5 = 60% starch, 8 = 0% starch.