

Maturity Report August 19, 2013, Virginia Tech

			Number of Orchards Tested (10									
Sample Collection Date	Cultivar	Location	Fruit Each)	Background Color (1-4)*	Red Color (%)	Firmness (lbs)	Soluble Solids (°Brix)	Starch-iodine Index (1-8)**	Fruit Diameter (inches)	Fruit wt. (g)	Ethylene (ppm)	
8/14/13	Gala (Crimson)	AHS JR AREC	1		23.5	23.0	11.1	1.2	2.76	151.0	1.07	
8/14/13	Gala (Buckeye)	AHS JR AREC	1		59.5	23.9	12.2	1.4	2.74	161.2	0.00	
8/14/13	Gala (Royal)	AHS JR AREC	1		12.4	20.1	10.8	1.6	2.84	170.5	0.00	
8/19/13	Gala (Crimson)	AHS JR AREC	1		36.0	22.0	11.2	1.1	2.72	153.9	0.00	
8/19/13	Gala (Buckeye)	AHS JR AREC	1		74.6	21.3	11.4	2	2.89	181.3	0.00	
8/19/13	Gala (Royal)	AHS JR AREC	1		28.8	18.9	11.5	2.9	2.87	173.9	1.51	
8/14/13	Golden Supreme	AHS JR AREC	1	2.8		19.9	10.9	1.9	3.07	210.1	0.55	
8/17/13	Golden Supreme	AHS JR AREC	1	2.3		17.7	10.7	2.2	3.05	217.8	1.38	
8/19/13	Golden Supreme	AHS JR AREC	1	2.6		17.2	10.7	2.1	3.16	231.8	0.28	
8/14/13	Ginger Gold	AHS JR AREC	1	3.5		17.9	12.5	1.5	3.13	212.5	0.00	
8/19/13	Ginger Gold	AHS JR AREC	1	3.75		18.1	12.5	1.4	3.07	195.3	0.00	
8/19/13	Honeycrisp	AHS JR AREC	1		10.6	15.8	10.6	1.3	3.02	197.3	0.76	
8/19/13	Red Delicious	AHS JR AREC	1		54	19.7	9.5	1.3	2.81	170.5	0.00	
8/19/13	Empire	AHS JR AREC	1		56.5	19.3	10.4	1.7	2.92	167.7	0.00	

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

** 1 = 100% starch, 5 = 60% starch, 8 = 0% starch. (Honeycrisp is evaluated on a 0-6 scale.)