

Maturity Report 2012, Virginia Tech

Sample Collection Date	Cultivar	Region	Number of Orchards Tested (10		Background Color (1-4)*	Red Color (%)	Firmness (lbs)	Soluble Solids (°Brix)	Starch- iodine Index (1-8)**	Fruit Diameter (inches)	Fruit wt. (g)	Ethylene (ppm)
			Fruit Each									
7/12/12	Ginger Gold	AHS JR AREC	3		2.7		21.6	12.0	1.0	2.99	189.7	
7/21/12	Ginger Gold	AHS JR AREC	2		2.9		20.4	12.8	1.1	3.08	200.9	
7/26/12	Ginger Gold	AHS JR AREC	2		3.0		19.0	13.2	1.3	3.11	210.2	
8/9/12	Ginger Gold	AHS JR AREC	1		3.9		18.8	15.4	2.0			
7/27/12	Golden Supreme	AHS JR AREC	1		2.6		20.8	10.3	1.9	2.89	183.2	
8/9/12	Golden Supreme	AHS JR AREC	1		3.4		19.5	13.5	2.5			
8/9/12	Honeycrisp	AHS JR AREC	1			30.5	17.7	13.5	1.6			
8/9/12	Gala	AHS JR AREC	2			86.0	19.8	14.2	2.4			7.13
8/21/12	Gala	Winchester	3			91.1	18.0	13.2	4.1	2.86	180.7	
8/9/12	Red Delicious (Bisbee)	AHS JR AREC	1			62.7	18.9	12.4	1.7			
8/21/12	Red Delicious	Winchester	17			92.1	18.2	11.9	1.8	3.01	206.2	0.03
8/28/12	Red Delicious (Nured)	AHS JR AREC	1			95.0	17.8	11.1	2.9	2.98	215.3	
9/4/12	Red Delicious (Nured)***	AHS JR AREC	1			96.9	17.2	12.2	3.7	2.97	216.8	0.00
9/11/12	Delicious (Nured)***	AHS JR AREC	1			98.2	16.8	12.4	5.4	3.00	226.3	0.00
9/17/12	Red Delicious (Nured)***	AHS JR AREC	1			98.7	16.3	13.1	5.8	3.19	272.2	0.00
8/21/12	Golden Delicious	Winchester	20		2.5		18.5	13.0	2.6	2.98	181.0	0.00
8/28/12	Golden Delicious	AHS JR AREC	1		2.5		18.0	12.5	1.7	2.97	187.4	
9/4/12	Golden Delicious	AHS JR AREC	1		2.7		17.1	12.7	2.7	3.08	212.2	0.40
9/11/12	Golden Delicious	AHS JR AREC	1		3.0		17.0	14.4	3.3	3.04	196.8	0.00
9/17/12	Golden Delicious***	AHS JR AREC	1		3.0		15.7	15.4	5.8	3.16	217.1	0.00
9/17/12	Golden Delicious	Winchester	1		3.2		15.3	14.9	3.9	3.22	240.0	0.06
8/21/12	Idared	Winchester	7			36.7	17.0	12.3	1.3	3.20	210.2	0.00
8/28/12	Idared	AHS JR AREC	1			46.8	17.4	10.8	1.2	3.02	184.6	
9/4/12	Idared***	AHS JR AREC	1			48.5	16.1	11.4	1.4	3.09	195.5	0.50
9/11/12	Idared***	AHS JR AREC	1			61.5	16.0	11.9	1.4	3.16	206.0	0.00
9/17/12	Idared***	AHS JR AREC	1			80.5	15.0	12.9	2.4	3.24	228.0	0.58
8/9/12	Empire	AHS JR AREC	1			65.5	19.1	12.1	2.0			
8/21/12	Empire	AHS JR AREC	2			85.9	19.2	12.5	1.7	3.00	181.2	0.01
9/4/12	Empire***	AHS JR AREC	1			85.2	18.3	12.5	2.7	2.91	169.4	0.1
9/11/12	Empire***	AHS JR AREC	1			80.7	17.0	12.7	3.1	2.92	171.7	0.0
9/17/12	Empire***	AHS JR AREC	1			96.1	16.5	13.2	3.4	2.92	167.3	0.0
8/21/12	Fuji-Early Strains	Winchester	2			65.5	16.7	14.7	4.1	3.28	237.1	0.03
8/21/12	Fuji-Late Strains	Winchester	2			26.0	20.9	12.1	2.1	2.95	185.6	0.03
8/28/12	Fuji BC2	AHS JR AREC	1			33.0	20.3	10.4	2.4	3.00	186.8	
9/4/12	Fuji BC2	AHS JR AREC	1			33.0	20.1	11.6	2.8	3.08	214.4	1.90
9/11/12	Fuji BC2	AHS JR AREC	1			40.8	19.2	13.2	3.0	3.09	228.7	0.00
9/17/12	Fuji BC2	AHS JR AREC	1			60.0	17.5	13.5	4.1	3.20	245.6	0.08
9/25/12	Fuji BC2	AHS JR AREC	1			62.5	18.1	15.0	3.4	3.22	236.1	0.13
8/21/12	York	Winchester	3			41.8	22.4	10.7	1.0	3.00	187.8	0.00
8/28/12	York Imperial	Winchester	1			40.8	21.7	9.2	1.0	3.08	196.9	
9/4/12	York Imperial	Winchester	1			52.3	21.7	10.3	1.0	3.16	215.8	0.20
9/11/12	York Imperial	Winchester	1			63.7	20.1	11.1	1.0	3.31	230.0	0.00
9/17/12	York Imperial	Winchester	1			64.5	20.0	11.5	1.1	3.28	234.4	0.00
9/25/12	York Imperial	Winchester	1			65.0	19.1	12.4	1.3	3.46	263.1	0.12

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			Fruit Each									
8/21/12	Rome	Winchester	2			39.8	22.5	12.3	1.5	3.20	229.8	
8/28/12	Law Rome	AHS JR AREC	1			86.8	21.6	9.5	2.0	3.26	230.3	
9/4/12	Taylor Rome	Winchester	1			70.5	21.8	11.1	2.3	3.30	243.6	0.20
9/4/12	Law Rome***	AHS JR AREC	1			78.1	19.9	9.8	2.6	3.26	228.6	0.00
9/11/12	Taylor Rome	Winchester	1			52.5	20.9	12.9	2.7	3.24	228.7	0.00
9/11/12	Law Rome***	AHS JR AREC	1			89.5	19.5	10.4	3.2	3.29	233.2	0.00
9/17/12	Taylor Rome	AHS JR AREC	1			85.2	20.1	13.2	2.7	3.39	268.9	0.71
9/17/12	Law Rome***	Winchester	1			84.9	18.0	11.3	3.5	3.65	305.4	0.06
9/25/12	Taylor Rome	AHS JR AREC	1			81.2	19.6	13.3	3.1	3.54	286.2	0.00
9/25/12	Law Rome***	Winchester	1			94.4	18.2	12.4	4.0	3.70	316.0	0.00
9/4/12	Stayman***	AHS JR AREC	1			73.5	19.2	9.6	1.0	3.13	215.4	0.15
9/11/12	Stayman***	AHS JR AREC	1			68.5	17.9	10.0	1.1	3.01	187.0	0.00
9/17/12	Stayman***	AHS JR AREC	1			79.7	16.8	11.8	1.2	3.08	205.2	0.02
9/25/12	Stayman***	AHS JR AREC	1			89.7	17.4	12.4	1.5	3.14	207.5	0.05
9/25/12	Granny Smith	AHS JR AREC	1		1.3		17.3	10.7	3.0	3.32	247.9	0.00
9/25/12	Pink Lady	AHS JR AREC	1			33.5	21.2	12.8	1.0	2.74	170.5	0.12

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

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

*** ReTain applied on 29 Aug.