

1983 Apple Scab and Cedar Apple Rust  
Infection Periods and Fungicide Application Dates  
Hudson Valley Laboratory, Highland, NY

Spray dates	McIntosh growth stage	Cumm. % scab spores discharged	Wetting periods				Potential Infection periods		Cedar apple rust played in same trees	
			Start Date	Time	Hrs. duration	Avg temp	Inches rain	Mill's chart		Cedar apple rust
4/27	HIG	0.5% (4/6)	4/18	1800	38	35	.77 <sup>v</sup>	-	-	4/28
		3.9% (4/11)	4/24	0500	53	45	2.14	H	-	
		8.3% (4/21)								
5/5	King bloom Full bloom	12.6% (4/28)	4/30	0030	10.5	56	0.10	L	-	5/9 <sup>x</sup>
		27.0% (5/9) <sup>w</sup>	5/1	1900	14	55	.07	L	-	
			5/3	0400	9	67	.10	L	-	
			5/8	1800	15	49	.49	L	M	
			5/15	0300	29	58	.45	H	H	
5/18	Petal fall (75%)	40.4% (5/18)	5/16	1100	21	43	.38	-	L-M	5/19
		73.9% (5/25)	5/19	2200	16	58	.14	M	H	
			5/21	2200	11	59	T <sup>r</sup>	L	M	
			5/22	1900	17	64	.84	M	H	
			5/23	2300	13	65	.05	M	H	
5/28	S-7 terminal lvs. (6/1)	82.6% (5/31)	5/26	1900	37	59	1.39	H	H	Yes
			5/29	0700	31	67	.34	H	H	
			5/30	1800	18	71	1.08	H	H	
			5/31	1500	19	62	.07	M	H	
6/8 6/23	89.0% (6/6)		6/3	2200	13	68	1.16	M <sup>y</sup>	H	Yes
			6/6	2100	14	70	.84	M <sup>y</sup>	H	
6/8 6/23			6/27	1930	35	72	1.90	-	H	-
			7/5	1500	17	74	.08	-	M	
			7/15	1630	4	82	.13	-	-	

Spray dates	McIntosh growth stage	Cumm. % scab spores discharged	Wetting periods				Potential infection periods		Cedar apple rust inoculum placed in Rome trees
			Start Date	Time	Hrs. duration	Avg temp	Inches rain	Millets chart 2°	
7/19			7/21	2230	4	70	.22	-	-
			7/24	0600	26	69	.74	-	-
			7/25	2300	10	63	DEW	-	-
			7/31	0000	10	73	DEW	-	-
			8/1	0100	8	72	DEW	-	-
			8/1	1400	17	72	.19	-	-
			8/4	0600	5	73	.03	-	-
			8/4	1900	14	72	DEW	-	-
			8/5	1800	16	71	DEW	-	-
			8/6	1400	3	82	.10	-	-
8/5			8/6	2200	11	69	DEW	-	-
			8/7	2300	9	69	DEW	-	-
			8/11	0500	37	65	.77	-	-
			8/18	0700	7	72	.21	-	-
			8/18	2200	12	63	.04	-	-
8/23									

V Rain & melted snow.

W Scab lesions visible on early leaves (5/9/83).

X Quince rust inoculum also placed in Romes.

Y Last primary infection period.