1984 Apple Scab and Cedar Apple Rust
Infection Periods and Fungicide Application Dates
Hudson Valley Laboratory, Highland, NY

Spray	Date	Hours Post-Infection from	Cortland growth stage	Cumm. % scab spore discharged	Start Date	Start Time	Hrs. duration	Avg. temp	Inches rain	Potential infection periods: Mill's chart 1°	Mill's chart 2°	Cedar apple rust
				0.7 (4/10)								
				6.9 (4/16)								
			QIG (4/18)									
POND	26 Apr	64 (4/23)	HIG	14.8 (4/25)	23 Apr	1500	23	45	0.31	L	-	
M.26	27 Apr	88 (4/23)										
BOTH	6 May	67 (5/3)	PINK	17.0 (5/2)	3 May	1645	21.5	53	2.20	M	-	Yes
					8 May	0800	21	55	1.08	M	-	Yes
				19.6 (5/10)								
				SPLIT WETTING	12 May	0015	8.5	55	0.04	M	-	Yes
					12 May	1700	14	48	0.11			
					13 May	2000	10	49	0.24	-	-	
					15 May	1000	3	52	0.03	-	-	
M.26	16 May	86 (5/12)	BLOOM	33.7 (5/16)								
		59 (5/13)										
	DPX 6573 Applied at .156 floz.,.313 floz.,.516 floz.,before wind became too strong to spray.											
M.26	17 May	110 (5/12)	BLOOM									
		83 (5/13)										
	The rest of the materials were applied.											
POND	18 May	134 (5/12)										
		107 (5/13)										
				5/18 Active scab lessions found in M.26 orchard. Secondary infection possible.								
					20 May	1800	17	55	0.14	M	H	Yes
				54.0 (5/23)	23 May	1600	16	57	0.22	M	H	Yes
M.26	24 May	15 (5/23)	PETAL FALL (75%)									
POND	25 May	39 (5/23)										
					26 May	1700	17.5	58	0.31	M	H	Yes
					28 May	0630	79.5	54	5.63	H	H	Yes

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					2 Jun	0500	4	56	0.08	-	-	No
M.26	4 Jun	170 (5/28)										
POND	5 Jun	194 (5/28)		88.6 (6/6)								
					13 Jun	1615	20	70	0.27	H	H	Yes
				94.0 (6/15)	End of Primary scab season.							
BOTH	16 Jun	65 (6/13)			18 Jun	0815	26	70	0.09	-	H	
					24 Jun	1600	16	65	0.53	-	M	
BOTH	27 Jun	65 (6/24)										
					29 Jun	2130	19.5	66	0.41	-	H	
					1 Jul	0500	11	68	1.08	-	L	
					3 Jul	1600	17	66	0.04	-	M	
					5 Jul	1300	21	72	0.25	-	H	
					6 Jul	1715	20	70	1.98	-	H	
M.26	9 Jul	92 (7/5)										
		64 (7/6)										
POND	10 Jul	116 (7/5)										
		88 (7/6)										
					12 Jul	0230	6	70	0.06	-	L	
					16 Jul	0430	8	75	0.11	-	M	
					18 Jul	0630	26	66	1.60	-	H	
	25, 26,				21 Jul	1100	23	65	0.12	-	H	
M.26	30 Jul*	Sprays were spread out due to very rapidly changing weather conditions.										
					27 Jul	0400	28	60	0.62	-	H	
Pond	31 Jul											
					1 Aug	2100	12	70	0.01	-	H	
					7 Aug	1615	16	72	0.13	-	H	
					11 Aug	0400	6.5	70	0.06	-	-	
					12 Aug	0000	34	73	0.38	-	H	
					13 Aug	2130	12.5	72	0.63	-	M	
M.26	14 Aug											
POND	15 Aug											