

1986 SPRAY DATES, INFECTION PERIODS AND SCAB SPORE DISCHARGE DATA
Hudson Valley Laboratory, Highland, NY

Spray Block Date	McIntosh growth stage	Start		Wetting period		Rainfall (inches)	Cum. % y scab spores discharged	% of total z season's spore catch	Mill's scab infection per. 1° 2°	Cedar apple rust infection periods
		Date	Time	Duration (hours)	Avg. temp.					
M.26 4/9	GT (3/31) HIG (4/7)	4/4	1100	7	48	0.12	4.5 (4/11) 11.4 (4/17)	1.6	-	-
		4/5	1700	37	38	0.31		1.2	-	-
		4/8	0230	9	46	0.02		0.3	-	-
		4/9	2100	12	39	0.02		0	-	-
		4/12	0200	8	37	0.03		0.5	-	-
4/15	1900	42	46	0.60	69.3	H	S			
M.26 4/19	TC (4/19)	4/21	0130	30.5	49	0.23	18.1 (4/25)	8.5	H	S
		4/22	1800	26	35	0.14		1.1	-	-
Pond 4/26 M.26 4/29	PINK (4/27) BLOOM (5/3)	5/6	2200	16	59	0.12	18.1 (5/1)	11.4	M	S
Pond 5/5 M.26 5/8	PETAL FALL (5/8)	5/8	1600	7	51	0.03		2.4	-	-
Pond 5/13							69.9 (5/12)			
M.26 5/19		5/16	2345	10	62	0.21		1.6	L	M
		5/18	0215	6	56	Tr.		0.1	-	-
Pond 5/23		5/20	1300	25	65	0.46	67.7 (5/20)	0	H	H
		5/22	0730	26.5	61	.88		1.9	H	H
Pond 5/30		5/24	0100	10	56	0.05	89.5 (5/28)	0	-	M
		5/31	1700	16	66	0.88		0	H	H
M.26 6/3 Pond 6/5		6/2	0600	4	52	0.06	0	0	-	-
Pond 6/10		6/5	1500	75	65	4.50	END OF PRIMARY SCAB SEASON	0	H	H
		6/11	0600	4	66	0.16		0	-	-
		6/12	0230	32	57	0.94			-	H

y Cum. % scab spores discharged was determined from squash mounts of perithecia on dates indicated.

z % Total season's spore catch was determined using the mean number of scab ascospores per infection period caught on two Burkhard spore traps at different locations in the orchard.

Spray Block Date	Start Date Time	Wetting period		Rainfall (inches)	Mill's scab infection per. 1° 2°
		Duration (hours)	Avg. temp.		
M.26 6/14	6/16 2200	6	67	0.26	L
	6/19 1900	12	61	0.08	M
Pond 6/20	6/24 1000	3	65	0.10	-
	6/27 2200	10	69	0.08	M
M.26 6/30	7/1 2200	17	62	1.26	H
	7/2 2000	13	58	Tr.	M
Pond 7/3	7/9 0300	6	69	0.2	L
	7/11 2330	56	62	1.48	H
M.26 7/16	7/14 1300	2	74	0.08	-
	7/26 1130	21.5	72	0.94	H
Pond 7/17	7/28 1345	2.5	76	0.25	-
	7/28 2230	9	71	Tr.	M
M.26 & Pond 7/30	7/29 1515	48	66	1.37	H
	8/1 2030	36	67	1.19	H
Pond 7/30	8/6 0930	8	74	0.10	M
	8/10 2200	12	71	0.12	H
Pond 7/30	8/16 0030	18.5	70	0.04	H
	8/17 1815	5	70	0.15	H
Pond 7/30	8/18 2215		70	0.01	-