

1985 SPRAY DATES, INFECTION PERIODS, AND APPLE SCAB ASCOSPORE DISCHARGE DATA
 Hudson Valley Laboratory, Highland, NY

Sprays applied Block ¹ Date	Pond block: hours post-inf. ²	McIntosh growth stage	Cumm % scab spores discharged ³	Wetting period			Mill's prediction	Cedar rust inf. per.		
				Start Date	Duration hrs	Avg. temp (inches)			Rain spore catch ⁴	1°
M-26 4/12		GT (3/30) QIG (4/5) HIG (4/12)	0.1 (4/9)	18	56	0.01	1.6	M	-	Yes
Pond 4/18	58 (4/15)	Early TC	5.5 (4/16)	18	54	0.34	15.9	M	-	Yes
M-26 4/22		Early PK	13.1 (4/23)	16	63	0.13	9.2	M	-	Yes
M-26 5/4		Bloom		Split wetting with 3.5 hrs drying				M	-	Yes
Pond 5/5	62 (5/2)	Bloom	32.6 (5/6)	29	46	1.30	54.1	M	-	Yes
Both 5/15	62 (5/12)	PF (5/10) (90%)	51.9 (5/13)	22	61	0.23	5.8	H	-	Yes
				12	67	0.04	2.0	L	-	Yes
			62.5 (5/20)	12	58	0.02	0.2	L	M	Yes
				17.5	57	2.22	4.7	M	H	Yes
				5.5	46	0.05	0.5	-	-	No
Both 5/24	65 (5/21)		75.5 (5/28)	14	61	0.29	2.0	M	H	Yes
				30.5	61	0.88	4.0	H	H	Yes
Pond 6/4	76 (6/1)		87.8 (6/3)	8.5	66	0.55	0.0	L	M	Yes
M-26 6/7				25	54	0.48	0.2	H	H	Yes
				27	59	0.49		-	H	-

END OF PRIMARY SCAB SEASON

1985 SPRAY DATES, INFECTION PERIODS, AND APPLE SCAB ASCOSPORE DISCHARGE DATA (cont)

Spray Block	Date	Waiting periods			Rain inches	Mill's prediction 2°
		Start Date	Duration hrs	Avg temp		
Pond M-26	6/19	6/12 0600	8	62	0.30	L
	6/20	6/15 2300	12	61	0.41	M
		6/16 1930	13.5	62	0.72	H
		6/17 2300	11	66	0.15	H
		6/18 1600	2	78	0.02	-
		6/20 1530	1.5	68	0.01	-
		6/21 0230	4.5	51	(HAIL) <0.01	-
		6/24 0730	4	73	0.03	-
		6/27 1000	3	59	0.02	-
		6/28 0215	55	60	1.04	H
		7/5 2230	9	66	0.01	M
		7/6 1530	17.5	68	0.12	H
		7/9 1630	14	70	2.09	H
		7/12 1815	12.5	60	0.79	M
		7/14 2230	9	71	0.54	M
		7/21 1945	13	68	1.45	H
		7/26 0530	6.5	76	0.44	L
		7/26 1800	12	71	0.14	H
Pond	7/30	7/31 1000	16.5	63	1.59	H
M-26	8/2&3	8/7 1945	16.5	68	1.34	H
		8/15 2230	15	74	0.08	H
		8/25 0400	31	71	0.84	H

¹Both¹ indicates both the Pond Block and the M.26 orchard were sprayed on the same day. ²Dates in parentheses indicate the date of the infection period used to determine the postinfection interval. ³Determined from perithecial squash mounts on the dates indicated in parenthesis. ⁴Determined by counting spores trapped on a Burkard volumetric spore trap and determining the proportion of the season's total discharged during each infection period.