

80105803

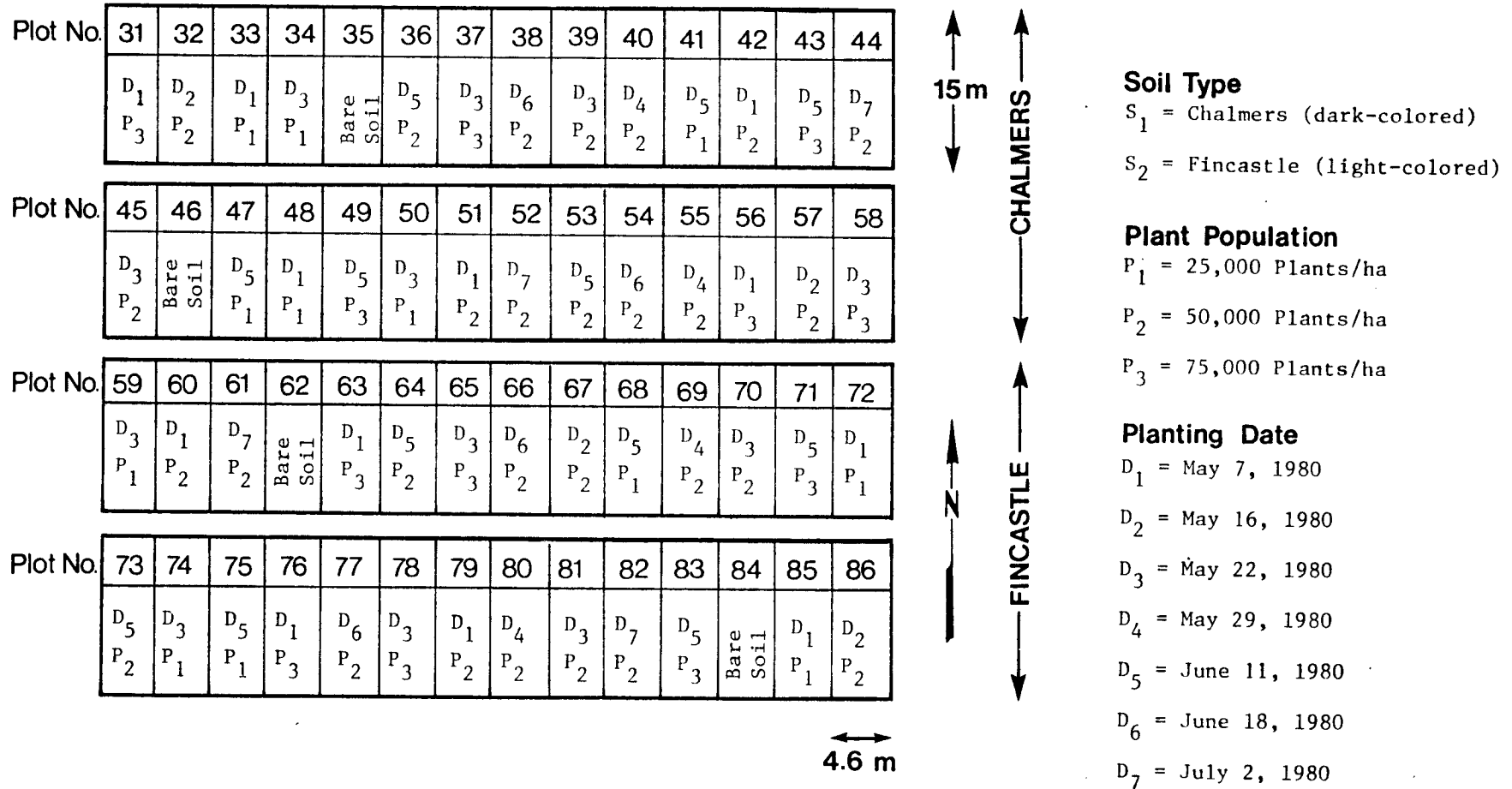


Figure 119.1. Design and treatment descriptions of the 1980 Purdue Agronomy Farm Corn Cultural Practices Experiment.

Illumination Conditions for Spectral Data Collection

Date	Day of Year	Time Period		Solar Zenith	Solar Azimuth	Cloud Cover
		Start	Stop	Angle Range max - min - max	Angle Range	
		GMT		degrees	degrees	%
5/27	148	20:17	21:10	37 - 47	251-262	?
5/28	149	16:18	17:56	27 - 19 - 19	129-188	15
6/9	161	14:47	15:06	42 - 38	101-105	10
6/11	163	15:06	16:39	38 - 23	105-135	0-1
6/18	170	15:00	16:01	39 - 28	103-119	0
6/21	173	18:13	18:54	18 - 22	198-223	1
6/29	181	19:30	19:40	27 - 29	238-241	5
7/15	197	15:29	16:35	36 - 25	111-133	2
7/20	202	18:24	19:27	21 - 28	200-232	0
7/24	206	18:26	19:38	22 - 30	200-235	20-30
8/22	235	17:45	19:30	29 - 29 - 36	177-224	30-50
8/23	236	15:48	17:00	40 - 31	128-155	0
9/3	247	17:45	18:17	33 - 33 - 34	179-193	15
9/18	262	16:53	17:52	40 - 39 - 39	161-184	5
9/26	270	17:44	18:52	41 - 45	182-206	10-15
10/2	276	17:06	18:19	44 - 44 - 45	169-195	0-20
10/7	281	19:12	20:21	51 - 59	212-230	0

Dates Spectral Data Collected:

Plot Number	5/27	5/28	6/9	6/11	6/18	6/21	6/29	7/15	7/20
	←————— Number of Observations —————→								
31	2	2	4	4	2	2	2	2	2
32	2	2	4	4	2	2	2	2	2
33	2	2	4	4	2	2	2	2	2
34	2	2	4	4	2	2	2	2	2
35	2	2	4	4	2	2	2	2	2
36	2	2	4	4	2	2	2	2	2
37	2	2	4	4	2	2	2	2	2
38	2	2	4	4	2	2	2	2	2
39	2	2	4	4	2	2	2	2	2
40	2	2	4	4	2	2	2	2	2
41	2	2	4	4	2	2	2	2	2
42	2	2	4	4	2	2	2	2	2
43	2	2	4	4	2	2	2	2	2
44	2	2	4	4	2	2	2	2	2
45	2	2	-	4	2	2	-	2	2
46	2	2	-	4	2	2	-	2	2
47	2	2	-	4	2	2	-	2	2
48	2	2	-	4	2	2	-	2	2
49	2	2	-	4	2	2	-	2	2
50	2	2	-	4	2	2	-	2	2
51	2	2	-	4	2	2	-	2	2
52	2	2	-	4	2	2	-	2	2
53	2	2	-	4	2	2	-	2	2
54	2	2	-	4	2	2	-	2	2
55	2	2	-	4	2	2	-	2	2
56	2	2	-	4	2	2	-	2	2
57	2	2	-	4	2	2	-	2	2
58	2	2	-	4	2	2	-	2	2
59	-	2	-	4	2	2	-	2	2
60	2	2	-	4	2	2	-	2	2
61	-	2	-	4	2	2	-	2	2
62	-	2	-	4	2	2	-	2	2
63	2	2	-	4	2	2	-	2	2
64	-	2	-	4	2	2	-	2	2
65	-	2	-	4	2	2	-	2	2
66	-	2	-	4	2	2	-	2	2
67	2	2	-	4	2	2	-	2	2
68	2	2	-	4	2	2	-	2	2
69	-	2	-	4	2	2	-	2	2
70	-	2	-	4	2	2	-	2	2
71	-	2	-	4	2	2	-	2	2
72	2	2	-	4	2	2	-	2	2
73	-	2	-	4	2	2	-	2	2
74	-	2	-	4	2	2	-	2	2
75	-	2	-	4	2	2	-	2	2
76	2	2	-	4	2	2	-	2	2

Dates Spectral Data Collected (con't.)

Plot Number	7/24	8/22	8/23	9/3	9/18	9/26	10/2	10/7
Number of Observations								
31	2	2	2	2	2	2	2	2
32	2	2	2	2	2	2	2	2
33	2	2	2	2	2	2	2	2
34	2	2	2	2	2	2	2	2
35	2	2	2	2	2	2	2	2
36	2	2	2	2	2	2	2	2
37	2	2	2	2	2	2	2	2
38	2	2	2	2	2	2	2	2
39	2	2	2	2	2	2	2	2
40	2	2	2	2	2	2	2	2
41	2	2	2	2	2	2	2	2
42	2	2	2	2	2	2	2	2
43	2	2	2	2	2	2	2	2
44	2	2	2	2	2	2	2	2
45	2	2	2	2	2	2	2	2
46	2	2	2	2	2	2	2	-
47	2	2	2	2	2	2	2	2
48	2	2	2	2	2	2	2	2
49	2	2	2	2	2	2	2	2
50	2	2	2	2	2	2	2	2
51	2	2	2	2	2	2	2	2
52	2	2	2	2	2	2	2	2
53	2	2	2	2	2	2	2	2
54	2	2	2	2	2	2	2	2
55	2	2	2	2	2	2	2	2
56	2	2	2	2	2	2	2	2
57	2	2	2	2	2	2	2	2
58	2	2	2	2	2	2	2	2
59	2	2	2	-	2	2	2	2
60	2	2	2	-	2	2	2	2
61	2	2	2	-	2	2	2	2
62	2	2	2	-	2	2	2	2
63	2	2	2	-	2	2	2	2
64	2	2	2	-	2	2	2	2
65	2	2	2	-	2	2	2	2
66	2	2	2	-	2	2	2	2
67	2	2	2	-	2	2	2	2
68	2	2	2	-	2	2	2	2
69	2	2	2	-	2	2	2	2
70	2	2	2	-	2	2	2	2
71	2	2	2	-	2	2	2	2
72	2	2	2	-	2	2	2	2
73	2	2	2	-	2	2	2	2
74	2	2	2	-	2	2	2	2
75	2	2	2	-	2	2	2	2
76	2	2	2	-	2	2	2	2

Dates Spectral Data Collected:

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Plot Number	5/27	5/28	6/9	6/11	6/18	6/21	6/29	7/15	7/20
	←————— Number of Observations —————→								
77	-	2	-	4	2	2	-	2	2
78	-	2	-	4	2	2	-	2	2
79	2	2	-	4	2	2	-	2	2
80	-	2	-	3	2	2	-	2	2
81	-	2	-	5	2	2	-	2	2
82	-	2	-	4	2	2	-	2	2
83	-	2	-	4	2	2	-	2	2
84	-	2	-	4	2	2	-	2	2
85	2	2	-	4	2	2	-	2	2
86	2	2	-	4	2	2	-	2	2

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Plot Number	7/24	8/22	8/23	9/3	9/18	9/26	10/2	10/7
	←————— Number of Observations —————→							
77	2	2	2	-	2	2	2	2
78	2	2	2	-	2	2	2	2
79	2	2	2	-	2	2	2	2
80	2	2	2	-	2	2	2	2
81	2	2	2	-	2	2	2	2
82	2	2	2	-	2	2	2	2
83	2	2	2	-	2	2	2	2
84	2	2	2	-	2	2	2	2
85	2	2	2	-	2	2	2	2
86	2	2	2	-	2	2	2	2

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