



Figure 120.1. Design and treatment descriptions of the 1980 Purdue Agronomy Farm Soybean Cultural Practices Experiment.

Illumination Conditions for Spectral Data Collection:

Date	Day of Year	Time Period Start Stop	Solar Zenith Angle Range max - min - max	Solar Azimuth Angle Range	Cloud Cover
		GMT	degrees	degrees	%
6/9	161	15:40 17:05	32 - 20	114-150	10
6/10	162	18:25 19:34	19 - 28	207-240	?-30
6/12	164	15:30 17:13	34 - 19	110-154	0
6/16	168	16:40 17:32	22 - 17	135-167	10-30
6/18	170	16:21 17:44	25 - 17	126-176	0
6/21	173	19:30 20:30	27 - 38	239-255	1
7/14	196	15:36 16:25	35 - 27	112-128	10-30
7/15	197	17:13 17:51	21 - 19	152-178	2
7/20	202	16:18 17:51	28 - 20	127-178	0
7/24	206	15:16 17:48	39 - 21	109-176	1-10
8/22	235	15:35 17:01	41 - 31	124-156	10-20
8/23	236	17:24 18:18	30 - 29 - 30	167-194	0
9/3	247	16:10 17:18	39 - 34	140-167	15
9/18	262	15:27 18:45	49 - 39 - 41	133-204	5-30
9/26	270	15:45 17:19	49 - 42	141-172	10
10/2	276	16:19 16:46	47 - 45	153-162	0
10/7	281	18:24 18:48	47 - 48	197-204	0

Dates Spectral Data Collected:

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Plot Number	6/9	6/10	6/12	6/16	6/18	6/21	7/14	7/15	7/20
Number of Observations									
101	2	2	2	2	2	2	2	2	2
102	2	2	2	2	2	2	2	2	2
103	2	2	2	2	2	2	2	2	2
104	2	2	2	2	2	2	2	2	2
105	2	2	2	2	2	2	2	2	2
106	2	2	2	2	2	2	2	2	2
107	2	2	2	2	2	2	2	2	2
108	2	2	2	2	2	2	2	2	2
109	2	2	2	2	2	2	2	2	2
110	2	2	2	2	2	2	2	2	2
111	2	2	2	2	2	2	2	2	2
112	2	2	2	2	2	2	2	2	2
113	2	2	2	2	2	2	2	2	2
114	2	2	2	-	2	2	2	2	2
115	2	2	2	-	2	2	2	2	2
116	2	2	2	-	2	2	2	2	2
117	2	2	2	-	2	2	2	2	2
118	2	2	2	-	2	2	2	2	2
119	2	2	2	-	2	2	2	2	2
120	2	2	2	-	2	2	2	2	2
121	2	2	2	-	2	2	2	2	2
122	2	2	2	-	2	2	2	2	2
123	2	2	2	-	2	2	2	2	2
124	2	2	2	-	2	2	2	2	2
125	2	2	2	-	2	2	2	2	2
126	2	2	2	-	2	2	2	2	2
127	-	2	2	-	2	2	2	-	2
128	-	2	2	-	2	2	2	-	2
129	-	2	2	-	2	2	2	-	2
130	-	2	2	-	2	2	2	-	2
131	-	2	2	2	2	2	2	-	2
132	-	2	2	2	2	2	2	-	2
133	-	2	2	2	2	2	2	-	2
134	-	2	2	2	2	2	2	-	2
135	-	2	2	2	2	2	2	-	2
136	-	2	2	2	2	2	2	-	2
137	-	2	2	2	2	2	2	-	2
138	-	2	2	2	2	2	2	-	2
139	-	2	2	2	2	2	2	-	2
140	-	2	2	2	2	2	2	-	2
141	-	4	2	2	2	2	2	-	2
142	-	4	2	2	2	2	2	-	2
143	-	4	2	2	2	2	2	-	2
144	-	4	2	2	2	2	2	-	2

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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 Observation							
101	2	2	2	2	4	2	2	2
102	2	2	2	2	4	2	2	2
103	2	2	2	2	4	2	2	2
104	2	2	2	2	4	2	2	2
105	2	2	2	2	4	2	2	2
106	2	2	2	2	4	2	2	2
107	2	2	2	2	4	2	2	2
108	2	2	2	2	4	2	2	2
109	2	2	2	2	4	2	2	2
110	2	2	2	2	4	2	2	2
111	2	2	2	2	4	2	2	2
112	2	2	2	2	4	2	2	2
113	2	2	2	2	4	2	2	2
114	2	2	2	2	4	2	2	2
115	2	2	2	2	4	2	2	2
116	2	2	2	2	4	2	2	2
117	2	2	2	2	4	2	2	2
118	2	2	2	2	4	2	2	2
119	2	2	2	2	4	2	2	2
120	2	2	2	2	4	2	2	2
121	2	2	2	2	4	2	2	2
122	2	2	2	2	4	2	2	2
123	2	2	2	2	4	2	2	2
124	2	2	2	2	4	2	2	2
125	2	2	2	2	4	2	2	2
126	2	2	2	2	4	2	2	2
127	4	2	-	2	2	2	-	-
128	4	2	-	2	3	2	-	-
129	4	2	-	2	2	2	-	-
130	4	2	-	2	2	2	-	-
131	4	2	-	2	2	2	-	-
132	4	2	-	2	2	2	-	-
133	4	2	-	2	2	2	-	-
134	4	2	-	2	2	2	-	-
135	4	2	-	2	2	2	-	-
136	4	2	-	2	2	2	-	-
137	4	2	-	2	2	2	-	-
138	4	2	-	2	2	2	-	-
139	4	2	-	2	2	2	-	-
140	4	2	-	2	2	2	-	-
141	2	2	-	2	2	2	-	-
142	2	2	-	2	2	2	-	-
143	2	2	-	2	2	2	-	-
144	2	2	-	2	2	2	-	-

Dates Spectral Data Collected (con't.)

Plot Number	6/9	6/10	6/12	6/16	6/18	6/21	7/14	7/15	7/20
Number of Observations									
145	-	4	2	2	2	2	2	-	2
146	-	4	2	2	2	2	2	-	2
147	-	4	2	2	2	2	2	-	2
148	-	4	2	2	2	2	2	-	2
149	-	4	2	2	2	2	2	-	2
150	-	4	2	2	2	2	2	-	2
151	-	4	2	2	2	2	2	-	2
152	-	4	2	2	2	2	2	-	2
153	-	-	2	-	-	2	-	-	2
154	-	-	2	-	-	2	-	2	2
155	-	-	2	-	-	2	-	2	2
156	-	-	2	-	2	2	-	2	2
157	-	-	2	-	-	2	-	-	2
158	-	-	2	-	-	2	-	2	2
159	-	-	2	-	-	2	-	-	2
160	-	-	2	-	2	2	-	2	2
161	-	-	2	-	2	2	-	-	2
162	-	-	2	-	-	2	-	-	2
163	-	-	2	-	2	2	-	-	2
164	-	-	2	-	-	2	-	-	2
165	-	-	-	-	-	2	-	-	2
166	-	-	-	-	2	2	-	-	2
167	-	-	-	-	-	2	-	-	2
168	-	-	-	-	-	2	-	-	2
169	-	-	-	-	-	2	-	-	2
170	-	-	-	-	-	2	-	-	2
171	-	-	-	-	-	2	-	-	2
172	-	-	-	-	-	2	-	-	2
173	-	-	-	-	-	2	-	-	2
174	-	-	-	-	-	2	-	-	2
175	-	-	-	-	-	2	-	-	2
176	-	-	-	-	-	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								
145	2	2	-	2	2	2	-	-
146	2	2	-	2	2	2	-	-
147	2	2	-	2	2	2	-	-
148	2	2	-	2	2	2	-	-
149	2	2	-	2	2	2	-	-
150	2	2	-	2	2	2	-	-
151	2	2	-	2	2	2	-	-
152	2	2	-	2	2	2	-	-
153	2	2	2	2	2	2	2	2
154	2	2	2	2	2	2	2	2
155	2	2	2	2	2	2	2	2
156	2	2	2	2	2	2	2	2
157	2	2	2	2	2	2	2	2
158	2	2	2	2	2	2	2	2
159	2	2	2	2	2	2	2	2
160	2	2	2	2	2	2	2	2
161	2	-	-	-	-	-	-	-
162	2	-	-	-	-	-	-	-
163	2	-	-	-	-	-	-	-
164	2	-	-	-	-	-	-	-
165	-	2	-	-	-	2	-	-
166	-	2	-	-	-	2	-	-
167	-	2	-	-	-	2	-	-
168	-	2	-	-	-	2	-	-
169	-	2	-	-	-	2	-	-
170	-	2	-	-	-	2	-	-
171	-	2	-	-	-	2	-	-
172	-	2	-	-	-	2	-	-
173	-	-	-	-	-	-	-	-
174	-	-	-	-	-	-	-	-
175	-	-	-	-	-	-	-	-
176	-	-	-	-	-	-	-	-