

Soil Type 1 = Chalmers (dark-colored)

Plot No.	25	26	27	28	29	30	31	32	33	34	35	36
	D ₁	D ₅	D ₂	D ₆	D ₄	D ₃	D ₆	D ₁	D ₂	D ₅	D ₄	D ₃
	R ₁	R ₁	R ₂	R ₁	R ₁	R ₂	R ₂	R ₂	R ₁	R ₂	R ₂	R ₁

↑ 15.8m ↓

Plot No.	37	38	39	40	41	42	43	44	45	46	47	48
	D ₃	D ₂	D ₅	D ₂	D ₁	D ₆	D ₁	D ₄	D ₆	D ₃	D ₅	D ₄
	R ₁	R ₂	R ₁	R ₁	R ₁	R ₁	R ₂	R ₂	R ₂	R ₂	R ₂	R ₁

Planting Date

D₁ = 29 May 1981
 D₂ = 8 June 1981
 D₃ = 10 June 1981
 D₄ = 10 June 1981
 D₅ = 29 June 1981
 D₆ = 13 July 1981

different Background

Soil Type 2 - Fincastle (light-colored)

Plot No.	121	122	123	124	125	126	127	128	129	130	131	132
	D ₃	D ₁	D ₄	D ₅	D ₁	D ₅	D ₂	D ₆	D ₃	D ₆	D ₄	D ₂
	R ₁	R ₂	R ₂	R ₁	R ₁	R ₂	R ₂	R ₁	R ₂	R ₂	R ₁	R ₁

Row Spacing

R₁ = 25 cm
 R₂ = 75 cm

Plot No.	133	134	135	136	137	138	139	140	141	142	143	144
	D ₁	D ₅	D ₃	D ₂	D ₆	D ₁	D ₅	D ₂	D ₄	D ₆	D ₃	D ₄
	R ₁	R ₂	R ₂	R ₁	R ₂	R ₂	R ₁	R ₂	R ₁	R ₁	R ₁	R ₂

→ 5.3m ←

8/1105804, 8/1109804

Dates Spectral Data Collected

Plot Number	6/17	6/26	7/6	7/10	7/24	7/30	8/11	8/17	8/20
	Number of Observations								
25	2	2	2	2	2	2	2	2	2
26	-	-	2	2	2	2	2	2	2
27	2	2	2	2	2	2	2	2	2
28	-	-	2	2	2	2	2	2	2
29	2	2	2	2	2	2	2	2	2
30	2	2	2	2	2	2	2	2	2
31	-	-	-	2	2	2	2	2	2
32	2	2	2	2	2	2	2	2	2
33	2	2	2	2	2	2	2	2	2
34	-	-	2	2	2	2	2	2	2
35	2	2	2	2	2	2	2	2	2
36	2	2	2	2	2	2	2	2	2
37	2	2	2	2	2	2	2	2	2
38	2	2	2	2	2	2	2	2	2
39	-	-	2	2	2	2	2	2	2
40	2	2	2	2	2	2	2	2	2
41	4	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	2
44	2	2	2	2	2	2	2	2	2
45	-	-	2	-	2	2	2	2	2
46	2	2	2	2	2	2	2	2	2
47	-	-	2	2	2	2	2	4	2
48	2	2	2	2	2	2	2	2	2

Dates Spectral Data Collected (con't.)

Plot Number	9/8	9/10	9/19	9/28	10/8
Number of Observations					
25	2	2	2	2	2
26	2	2	2	2	2
27	2	2	2	2	2
28	2	2	2	2	2
29	2	2	2	2	2
30	2	2	2	2	2
31	2	2	2	2	2
32	2	2	2	2	2
33	2	2	2	2	2
34	2	2	2	2	2
35	2	2	2	2	2
36	4	2	2	2	2
37	2	2	2	2	2
38	2	2	2	2	2
39	2	2	2	2	2
40	2	2	2	2	2
41	2	2	2	2	2
42	2	2	2	2	2
43	2	2	2	2	2
44	2	2	2	2	2
45	2	2	2	2	2
46	2	2	2	2	2
47	2	2	2	2	2
48	2	2	2	2	2

Dates Spectral Data Collected (con't.)

Plot Number	6/17	6/26	7/6	7/10	7/24	7/30	8/11	8/17	8/20
Number of Observations									
121	2	2	2	2	2	2	2	2	2
122	2	2	2	2	2	2	2	2	2
123	2	2	2	2	2	2	2	2	2
124	-	-	2	2	2	2	2	2	2
125	2	2	2	2	2	2	2	2	2
126	-	-	2	2	2	2	2	2	2
127	2	2	2	2	2	2	2	2	2
128	-	-	2	2	2	2	2	2	2
129	2	2	2	2	2	2	2	2	2
130	-	-	2	2	2	2	2	2	2
131	2	2	2	2	2	2	2	2	2
132	2	2	2	2	2	2	2	2	2
133	2	2	2	2	2	2	2	2	2
134	-	-	2	2	2	2	2	2	2
135	2	2	2	2	2	2	2	2	2
136	2	2	2	2	2	2	2	2	2
137	-	-	2	2	2	2	2	2	2
138	2	2	2	2	2	2	2	2	2
139	-	-	2	2	2	2	2	2	2
140	2	2	2	2	2	2	2	2	2
141	2	2	2	2	2	2	2	2	2
142	-	-	2	2	2	2	-	2	2
143	2	2	2	2	2	2	-	2	2
144	2	2	2	2	2	2	-	2	2

Dates Spectral Data Collected (con't.)

Plot Number	9/8	9/10	9/19	9/28	10/8
121	-	2	2	2	2
122	-	2	2	2	2
123	-	2	2	2	2
124	-	2	2	2	2
125	-	2	2	2	2
126	-	2	2	2	2
127	-	2	2	2	2
128	-	2	2	2	2
129	-	2	2	2	2
130	-	2	2	2	2
131	-	2	2	2	2
132	-	2	2	2	2
133	-	2	2	2	2
134	-	2	2	2	2
135	-	2	2	2	2
136	-	2	2	2	2
137	-	2	2	2	2
138	-	2	2	2	2
139	-	2	2	2	2
140	-	2	2	2	2
141	-	2	2	2	2
142	-	2	2	2	2
143	-	2	2	2	2
144	-	2	2	2	2

Illumination Conditions for Spectral Data Collection

81105-809

Date	Day of year	Time Period (GMT)		Solar Zenith angle range (°)		Solar Azimuth angle range (°)	Cloud cover (%)
		start	stop	max	min	max	
6/17	168	19:35	20:41				00
6/26	176	15:24	16:56				00-20
7/6	187	15:33	16:57				00-30
7/10	191	17:00	18:37				00
7/24	205	15:59	17:22				00-20
7/30	211	16:18	18:17				00
8/11	223	15:36	18:25				01-50
8/17	229	16:43	19:06				15-51
8/20	232	15:58	17:57				00-20
9/8	251	16:50	17:26				60
9/10	253	16:10	17:47				00
9/19	262	16:42	18:51				00
9/28	271	16:05	18:03				05-00
10/8	281	19:11	20:17				00

FORM K
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