

Plot No.

49	50	51	52	53	54	55	56	57	58	59	60
D ₃	D ₁	D ₂	D ₁	D ₂	D ₃	D ₁	D ₃	D ₁	D ₂	D ₃	D ₂
H ₂	H ₁	H ₂	H ₂	H ₁	H ₁	H ₂	H ₂	H ₁	H ₁	H ₁	H ₂

↑ 15.8m ↓

SORGHUM CULTURAL PRACTICES

Planting Date Hybrid
 D₁=28 May 1981 H₁=NK300(semi-dwarf)
 D₂=9 June 1981 H₂=BR64(dwarf)
 D₃=30 June 1981

Plot No.

61	62	63	64	65	66	67	68	69	70	71	72
D ₁	D ₃	D ₂	D ₁	D ₃	D ₂	D ₂	D ₃	D ₁	D ₂	D ₁	D ₃
P ₁	P ₂	P ₁	P ₂	P ₁	P ₂	P ₁	P ₂	P ₂	P ₂	P ₁	P ₁

SUNFLOWER CULTURAL PRACTICES

Planting Date Plant Population
 D₁=28 May 1981 P₁=37,500 plants/ha
 D₂=9 June 1981 P₂=75,000 plants/ha
 D₃=30 June 1981

Plot No.

73	74	75	76	77	78	79	80	81	82	83	84
C ₆	C ₁	C ₅	C ₃	C ₄	C ₂	C ₃	C ₁	C ₄	C ₆	C ₂	C ₅

SOYBEAN VARIETIES

Cultivar
 C₁=Hodgson 78 maturity group I C₄=Cutler 71 maturity group IV
 C₂=Amsoy 71 maturity group II C₅=Gnome(semi-dwarf) maturity group II
 C₃=Williams maturity group III C₆=Elf(semi-dwarf) maturity group III

Plot No.

85	86	87	88	89	90	91	92	93	94	95	96
H ₂	H ₂	H ₃	H ₃	H ₁	H ₁	H ₂	H ₂	H ₁	H ₁	H ₃	H ₃
P ₂	P ₂	P ₁	P ₁	P ₁	P ₁	P ₁	P ₁	P ₂	P ₂	P ₂	P ₂

→ 5.3m ←

CORN HYBRIDS

Hybrid Plant Population
 H₁=DeKalb XL72AA (vertical leaves) P₁=37,500 plants/ha
 H₂=DeKalb XL71 (horizontal leaves) P₂=75,000 plants/ha
 H₃=DeKalb 4F34 (Flint)

LOB 118

811 807

81105509

81105507

81105500

81105508

81105500

81107030

81105501

81105507

35

Dates Spectral Data Collected

Plot Number	6/17	6/27	7/7	7/9	7/30	8/11	8/17	8/20	9/8
Number of Observations									
61	2	2	2	2	2	2	2	2	2
62	-	-	2	2	2	2	2	2	2
63	2	2	2	2	3	2	2	2	2
64	2	2	2	2	2	2	2	2	2
65	2	-	2	2	2	2	2	2	2
66	-	2	2	2	2	2	2	2	2
67	2	2	2	2	2	2	2	2	2
68	2	-	2	2	2	2	2	2	2
69	2	2	2	2	2	2	2	2	2
70	2	2	2	2	2	2	2	2	2
71	2	2	-	2	2	2	2	2	2
72	2	-	-	2	2	2	2	2	2

Dates Spectral Data Collected (con't.)

Plot Number	9/10	9/19	9/28
Number of Observations			
61	2	2	2
62	2	2	2
63	2	2	2
64	2	2	2
65	2	2	2
66	2	2	2
67	2	2	2
68	2	2	2
69	2	2	2
70	2	2	2
71	2	2	2
72	2	2	2

~~Red in p. 100, 101, 102~~

Illumination Conditions for Spectral Data Collection

81105807

Date	Day of year	Time Period (GMT)		Solar Zenith angle range (°)		Solar Azimuth	Cloud
		start	stop	max	min-max	angle range (°)	cover (%)
6/17	168	21:04	21:11				00
6/27	177	16:26	16:35				00
7/2	188	15:15	15:23				00
7/9	190	15:38	15:46				20-01
7/30	211	16:56	17:04				00
8/11	223	16:14	16:24				03
8/17	229	17:40	17:46				15
8/20	232	16:34	16:39				00
9/8	251	18:10	18:18				10
9/10	253	18:10	18:16				00
9/19	262	17:21	17:27				00
9/28	271	18:39	16:—				
9/28	271	16:59	17:05				05