

811808

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

8105500
8109008

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

N

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

81105507
81105307

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

8112562
81109100

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)

81105507
81109100

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								
49	-	-	2	2	2	2	2	2	2
50	2	2	2	2	2	2	2	2	2
51	2	2	2	2	2	2	2	2	2
52	2	2	2	2	2	2	2	2	2
53	2	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	2
56	2	2	2	2	2	2	2	2	2
57	2	2	2	2	2	2	2	2	2
58	2	2	2	2	2	2	2	2	2
59	2	2	2	2	2	2	2	2	2
60	2	2	2	2	2	2	2	2	2

Dates Spectral Data Collected (con't.)

Plot Number	9/10	9/19	9/28	10/8	10/16
Number of Observations					
49	2	2	2	2	2
50	2	2	2	2	2
51	2	2	2	2	2
52	2	2	2	2	2
53	2	2	2	2	2
54	2	2	2	2	2
55	2	2	2	2	2
56	2	2	2	2	2
57	2	2	2	2	2
58	2	2	2	2	2
59	2	2	2	2	2
60	2	2	2	2	2

~~41-10-1968~~

Illumination Conditions for Spectral Data Collection

81125808

Date	Day of year	Time Period (GMT)		Solar zenith angle range (°)		Solar azimuth angle range (degrees)	Cloud cover (%)
		start	stop	max	min	max	
6/17	168	20:56	21:02				00
6/27	177	16:06	16:18				00
7/7	188	14:57	15:05				00
7/9	190	15:27	15:34				00
7/30	211	16:43	16:50				00
8/11	223	16:02	16:09				01
8/17	229	17:18	17:30				15
8/20	232	16:21	16:27				00
9/8	251	17:48	18:00				10
9/10	253	17:57	18:04				00
9/19	262	17:06	17:13				00
9/28	271	16:43	16:49				05
10/8	281	20:25	20:31				00
10/16	289	14:53	15:01				06-05