Treatment Code	Nitrogen Applications
A	= Check plot, no nitrogen
B	= 67 Kg/ha N as anhydrous ammonia
C	= 134 " " " " "
D	= 202 " " " " "
E	= 67 Kg/ha of N as urea
F	= 134 " " " " "
G	= 202 " " " "
H	= 269 Kg/ha of N as urea in alternate years
I	= 403 " " " " " " " "
J	= 134 " " " " " " " "
K	= 67 Kg/ha of N as urea in fall
L	= 134 Kg/ha " " " " " "

	Plot No.	Treatment Code	
	701	B	Block 1
*	702	E	
*	703	F	
	704	H	
	705	L	
	706	C	
*	707	D	
*	708	A	
*	709	J	
	710	G	
	711	I	
	712	K	
	713	L	Block 2
	714	K	
	715	B	
	716	I	
	717	D	
	718	J	
*	719	G	
*	720	A	
*	721	E	
*	722	F	
	723	H	
	724	C	
	725	H	
	726	I	
	727	F	
	728	B	
	729	J	
	730	C	Block 3
*	731	A	
*	732	E	
*	733	L	
*	734	G	
	735	D	
	736	K	

Figure 82.2. Design and treatment descriptions of corn nitrogen fertilization experiment. Spectral measurements were made of plots marked with an asterik (*).

LARSPEC Identification Record Codes

1. Level of Factor Codes

Factor		Level	
Code	Description	Code	Description
1:	Nitrogen fertilization	1:	None
		2:	67 kg/ha
		3:	134 kg/ha
		4:	202 kg/ha
2:	Block or replication	1:	First block
		2:	Second block
		3:	Third block

2. Experimenter parameters

Experimenter parameter 01: Grain yield in kilograms per hectare.

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	%
[1]6/22	173	16:49	17:09	21 - 19	139-150	?
[1]6/28	179	17:38	17:56	17 - 17	170-184	10-40
[2]6/28	179	16:22	16:39	25 - 23	126-133	20
[1]6/29	180	15:59	17:06	29 - 20	118-148	40-50
[2]6/29	180	15:44	15:54	32 - 30	113-116	40
[1]7/5	186	16:51	17:48	22 - 18	139-177	5
[2]7/5	186	18:16	18:27	18 - 19	198-205	5-10
[1]7/6	187	15:38	16:27	33 - 25	112-128	2
[2]7/6	187	18:06	18:18	18 - 19	190-199	2
7/11	192	16:15	16:25	28 - 26	124-128	5
7/15	196	17:30	18:46	20 - 19 - 22	163-214	35-40
7/28	209	16:16	17:10	30 - 23	128-153	0
8/3	215	16:42	17:33	28 - 23	140-167	3-20
8/8	220	15:35	15:46	38 - 37	119-122	0
[1]8/16	228	15:58	17:15	36 - 28	129-160	30-35
[2]8/16	228	16:39	17:41	31 - 27	144-174	30-40
8/20	232	15:46	16:42	39 - 32	126-146	5-10
8/22	234	15:15	16:40	44 - 32	119-146	?
8/31	243	16:59	17:59	33 - 32	157-185	5-15
9/5	248	17:22	17:29	34 - 34	169-172	?
9/15	258	15:56	16:42	44 - 40	140-156	10-15
9/23	266	16:30	17:17	43 - 41	154-171	30-40

[1]78100802

[2]78105802

Dates Spectral Data Collected (Exotech 20C):

Plot Number	6/28	6/29	7/5	7/6	7/15	7/28	8/3	8/16	8/20	8/31	9/15	9/23
	Number of Observations Collected											
702	1	1	1	1	1	1	1	1	1	1	1	1
703	2	2	2	2	2	2	2	2	2	2	2	2
707	-	-	-	-	1	1	1	1	1	1	1	1
708	1	1	1	1	1	2	1	1	1	1	1	1
709	1	2	2	2	2	1	2	1	2	2	2	2
719	-	1	1	1	1	1	1	1	1	1	1	1
720	-	1	1	1	1	1	1	1	1	1	1	1
721	-	1	2	2	1	2	2	2	2	2	2	2
722	-	1	1	1	1	1	1	1	1	1	1	1
731	-	1	1	1	-	1	1	1	1	1	1	1
732	-	1	1	1	1	1	1	1	1	1	1	1
733	-	2	2	2	2	2	2	2	2	2	2	2
734	-	1	1	1	1	1	1	1	1	1	1	1

Dates Spectral Data Collected (Exotech 100):

Plot Number	6/22	6/28	6/29	7/5	7/6	7/11	8/8	8/16	8/22	9/5
	Number of Observations Collected									
702	2	2	2	2	2	2	2	2	4	2
703	2	2	2	2	2	2	2	2	4	2
707	2	-	-	-	-	2	2	2	4	2
708	2	2	2	2	2	2	2	2	4	2
709	-	2	2	2	2	2	2	2	4	2
719	2	2	2	2	2	2	2	2	4	2
720	2	2	2	2	2	2	2	2	4	2
721	2	2	2	2	2	2	2	2	4	2
722	2	2	2	2	2	2	2	2	4	2
731	2	2	2	2	2	2	2	2	4	2
732	2	2	2	2	2	2	2	-	4	2
733	2	2	2	2	2	2	2	-	4	2
734	2	2	2	2	2	2	2	-	4	2