



**CENTRAL PLATTE
NATURAL RESOURCES DISTRICT**
215 North Kaufman Avenue
Grand Island NE 68803
(308) 385-6282

This form can be used for up to 160 acres
if all under one well and same crop.

USE ONE FORM PER WELL.

**Please attach copy of soil & water and
manure/sludge test results to form**

YEAR: 200

SPRING REPORT

Name _____
(Certified Farm Operator)

Water Tested by: _____

Address _____

Soil Tested by: _____

City _____ Zip _____

Form Completed by: _____

Irr Well Number (Well Tag) or Legal Description _____ Field ID _____
(Your Name for Field)

Total Irrigated Field Acres _____ Total Acres of corn, sorghum or potatoes _____

Organic Matter: _____

Sample # 1 Sample # 2 Sample # 3 Sample # 4

1. Acres Per Sample (No more than 80 acres per sample)				
2. Depth of Sample				
3. Residual Nitrogen ppm found to 3 feet				

For all corn – Take the average parts per million of the residual soil samples x 8 and enter on Line 9.
For Sorghum – Take the average parts per million of the residual soil samples x 14.4 and enter on Line 9.

4. Water Nitrate Results as ppm	
5. Crop Planted (corn, sorghum, potatoes)	
6. Expected Yield (Past 5 year average + 5%)	
7. Total Nitrogen Needed for Above Yield (lbs/acre) (See other side)	
8. Nitrogen Available from 9 inches of Water (Multiply line 4 by 2 (Lbs./Acre)	
9. Residual Nitrogen Available in 3 ft of Soil (For all corn - Average of Line 3 x 8) (For sorghum - Average of Line 3 x 14.4)	
10. Nitrogen Available from Past Crop (Lbs./Acre) Legume (Soybeans = 45 lbs Alfalfa = 120 lbs)	
11. Nitrogen Available from Manure/Sludge (Lbs.) (1 test per source)	
12. CPNRD Nitrogen Recommendation (Lbs./Acre) (Total of line 7 minus lines 8, 9, 10, and 11)	

I certify that to the best of my knowledge the above information is accurate and correct.

Signature of Certified Farm Operator _____ Date _____

CORN	Organic Matter										
Expected Yield	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0
220	268	262	256	250	244	237	231	225	219	213	207
215	263	257	251	245	239	233	227	221	215	209	203
200	247	241	236	230	225	219	213	208	202	197	191
195	242	236	231	225	220	214	209	203	198	193	187
190	236	231	226	220	215	210	204	199	194	189	183
185	231	226	221	216	210	205	200	195	190	184	179
180	226	221	216	211	206	201	196	191	185	180	175
175	221	216	211	206	201	196	191	186	181	176	172
170	215	210	206	201	196	191	187	182	177	172	168
165	210	205	201	196	191	187	182	178	173	168	164
160	205	200	196	191	187	182	178	173	169	164	160
155	199	195	191	186	182	178	173	169	165	160	156
150	194	190	186	181	177	173	169	165	160	156	152
145	189	185	181	177	172	168	164	160	156	152	148
140	183	179	176	172	168	164	160	156	152	148	144
135	178	174	171	167	163	159	155	152	148	144	140
130	173	169	166	162	158	155	151	147	144	140	136
125	168	164	161	157	154	150	147	143	140	136	133
120	162	159	155	152	149	145	142	139	135	132	129
100	141	138	135	133	130	127	124	121	119	116	113

Formula: $35 + (\text{Expected Yield} \times 1.2) - (0.14 \times \text{Expected Yield} \times \text{Organic Matter})$

SORGHUM	Organic Matter										
Expected Yield	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0
200	270	266	262	258	254	250	246	242	238	234	230
195	265	261	257	253	249	245	241	237	233	229	225
190	259	255	251	247	243	239	235	231	227	223	219
185	254	250	246	242	238	234	230	226	222	218	214
180	248	244	240	236	232	228	224	220	216	212	208
175	243	239	235	231	227	223	219	215	211	207	203
170	237	233	229	225	221	217	213	209	205	201	197
165	232	228	224	220	216	212	208	204	200	196	192
160	226	222	218	214	210	206	202	198	194	190	186
155	221	217	213	209	205	201	197	193	189	185	181
150	215	211	207	203	199	195	191	187	183	179	175
145	210	206	202	198	194	190	186	182	178	174	170
140	204	200	196	192	188	184	180	176	172	168	164
135	199	195	191	187	183	179	175	171	167	163	159
130	193	189	185	181	177	173	169	165	161	157	153
125	188	184	180	176	172	168	164	160	156	152	148
120	182	178	174	170	166	162	158	154	150	146	142
115	177	173	169	165	161	157	153	149	145	141	137
100	160	156	152	148	144	140	136	132	128	124	120
95	155	151	147	143	139	135	131	127	123	119	115
90	149	145	141	137	133	129	125	121	117	113	109
85	144	140	136	132	128	124	120	116	112	108	104
80	138	134	130	126	122	118	114	110	106	102	98
75	133	129	125	121	117	113	109	105	101	97	93
70	127	123	119	115	111	107	103	99	95	91	87
65	122	118	114	110	106	102	98	94	90	86	82
60	116	112	108	104	100	96	92	88	84	80	76

Formula: $50 + (1.1 \times \text{Expected Yield} - ((\text{Organic Matter} - 1) \times 20))$

POPCORN	Organic Matter										
Expected Yield	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0
5400	105	103	101	99	97	95	93	91	89	87	85
5200	102	100	98	96	94	92	90	89	87	85	83
5000	99	97	95	94	92	90	88	86	84	83	81
4800	96	95	93	91	89	87	86	84	82	80	79
4600	94	92	90	88	87	85	83	82	80	78	77
4400	91	89	88	86	84	83	81	79	78	76	75
4200	88	86	85	83	82	80	79	77	76	74	73
4000	85	84	82	81	79	78	76	75	73	72	71
3800	82	81	80	78	77	75	74	73	71	70	69
3600	80	78	77	76	74	73	72	70	69	68	66
3400	77	76	74	73	72	71	69	68	67	66	64
3200	74	73	72	71	69	68	67	66	65	64	62
3000	71	70	69	68	67	66	65	64	63	61	60
2800	69	68	67	65	64	63	62	61	60	59	58
2600	66	65	64	63	62	61	60	59	58	57	56
2400	63	62	61	60	60	59	58	57	56	55	54

Formula: $35 + (1.2 \times \text{Expected Yield}/65) - (0.14 \times \text{Expected Yield}/65 \times \text{Organic Matter}) \times 0.85$