

POTCHEFSTROOM EXPERIMENT STATION.  
UNIFORMITY TRIAL: 1929 - 30.

397

Soil: Red loam, virgin.  
Block of Land: 300 x 100 yards, divided into 5 ranges,  
A,B,C,D,E, - each 20 x 300 yards.  
Unit of Harvesting: 1 Row of 20 yards, i.e. 20 plants.  
Crop: Maize, spaced 3' x 3', single plants per hill,  
check-rowed, *by machine*.  
Weights: Husked cobs in lbs. Shelling percentage  
approximately 80.

ROW	A	B	C	D	E	ROW	A	B	C	D	E
1	8.3	7.9	9.3	9.2	6.9	31	7.8	10.2	9.9	12.4	9.3
2	7.3	8.4	9.8	11.0	8.9	32	7.4	10.3	12.3	14.8	12.1
3	6.0	6.9	8.5	10.7	9.9	33	7.9	9.7	13.1	14.2	9.9
4	6.0	9.3	7.5	8.7	7.0	34	6.3	11.3	14.1	10.9	8.4
5	7.0	8.3	7.7	7.0	8.7	35	7.2	10.5	11.9	11.9	7.4
6	6.3	7.4	6.9	9.2	8.2	36	7.4	10.4	11.2	13.3	7.2
7	6.8	6.8	7.9	8.8	8.6	37	6.5	11.5	11.4	10.9	9.7
8	5.8	7.7	8.5	10.8	3.8	38	7.3	9.1	12.8	10.8	10.1
9	6.0	7.4	8.0	8.6	9.8	39	7.2	10.4	12.7	9.9	10.5
10	5.9	8.3	8.1	10.4	7.8	40	8.6	12.2	10.1	13.3	13.3
11	7.4	7.1	8.3	8.7	11.4	41	8.2	9.9	12.5	13.3	9.6
12	6.2	7.7	9.2	11.5	7.9	42	7.7	10.8	12.2	13.1	12.5
13	7.1	9.1	8.4	11.4	10.7	43	8.9	10.4	9.9	14.2	12.6
14	6.4	7.8	8.6	11.5	7.6	44	9.1	9.9	11.2	12.7	9.3
15	8.5	7.1	8.7	10.5	10.7	45	8.0	11.9	10.6	13.4	10.4
16	8.0	9.3	8.5	11.5	8.2	46	9.1	13.2	12.5	11.9	9.2
17	6.4	8.1	11.5	9.8	7.8	47	9.1	13.0	11.5	13.9	10.0
18	7.5	8.5	11.7	8.3	9.1	48	7.0	10.6	9.7	14.1	10.4
19	6.5	7.5	7.5	9.5	10.4	49	9.7	13.7	9.1	13.4	12.0
20	7.3	10.1	10.5	10.6	9.3	50	7.9	12.7	12.6	15.2	10.4
21	7.0	10.0	10.4	11.3	10.1	51	7.3	10.0	9.2	12.7	12.7
22	7.0	8.4	7.3	11.3	9.3	52	7.7	10.4	10.6	13.9	10.7
23	7.4	6.5	7.9	12.4	11.9	53	9.2	9.6	9.4	12.2	12.1
24	7.2	6.6	10.3	10.4	10.3	54	8.9	10.6	12.8	14.4	12.7
25	6.0	8.5	10.2	10.8	9.4	55	9.7	13.1	10.5	12.6	12.1
26	6.4	9.9	9.5	11.9	7.0	56	8.7	10.0	11.3	12.7	10.7
27	6.9	9.6	12.7	11.5	8.3	57	9.0	10.3	9.3	15.9	9.0
28	7.1	11.8	12.1	10.9	11.1	58	8.3	13.3	12.1	14.8	13.7
29	8.9	9.5	12.2	12.5	9.1	59	9.0	10.6	9.9	14.3	11.0
30	7.5	11.8	10.2	11.0	8.5	60	7.0	10.0	11.4	11.7	14.1



ROW :	A :	B :	C :	D :	E :	ROW :	A :	B :	C :	D :	E :
61	9.3	12.2	9.1	11.7	14.2	93	6.0	13.5	11.1	14.1	10.0
62	10.3	12.4	10.5	12.8	13.8	94	9.9	11.9	10.0	13.4	9.9
63	9.9	12.4	11.9	9.6	11.8	95	11.1	9.2	15.3	14.3	12.4
64	9.0	10.7	12.5	13.9	11.3	96	7.3	10.0	14.9	13.1	13.8
65	7.9	10.7	12.3	12.5	11.7	97	9.6	11.1	15.0	11.3	11.2
66	7.0	10.9	9.5	11.3	10.7	98	8.2	12.9	15.3	15.1	11.5
67	8.5	12.1	10.5	12.4	13.3	99	9.9	9.7	13.1	12.4	10.2
68	8.3	14.3	11.9	11.7	13.9	100	7.0	11.3	14.9	11.9	12.3
69	7.0	11.6	9.8	12.2	10.9	101	9.2	11.9	15.7	13.2	13.7
70	9.0	10.2	9.5	11.2	11.8	102	10.3	13.4	14.3	15.4	11.1
71	6.9	9.2	9.9	11.3	11.5	103	8.1	12.3	11.5	13.3	10.5
72	9.9	9.9	14.3	12.7	14.1	104	9.0	12.1	10.3	12.0	13.9
73	6.9	9.1	8.8	15.2	13.7	105	8.0	11.1	12.5	9.5	12.5
74	8.3	10.5	9.2	13.5	13.0	106	9.6	11.6	15.5	11.1	13.3
75	9.1	9.4	12.6	13.7	14.3	107	10.4	11.4	16.5	10.0	11.1
76	8.3	9.2	11.1	10.5	11.9	108	8.7	13.5	17.4	11.7	11.5
77	10.5	8.6	10.9	10.6	10.1	109	8.5	16.1	13.8	12.9	12.1
78	8.7	11.0	10.5	11.5	11.7	110	10.9	11.8	12.0	11.5	12.0
79	8.4	12.5	11.3	12.4	11.1	111	9.4	9.5	13.2	12.3	14.7
80	10.3	12.4	10.7	12.9	14.0	112	7.7	11.2	17.2	12.1	13.4
81	8.4	10.2	13.5	11.9	9.8	113	8.0	10.1	15.5	11.4	14.3
82	7.7	12.5	11.1	10.5	13.9	114	7.8	9.0	12.0	11.0	13.4
83	10.8	12.2	13.3	12.9	9.2	115	9.6	10.7	13.1	13.9	14.2
84	8.5	10.9	14.7	11.6	10.7	116	10.4	13.3	15.0	11.9	10.3
85	9.6	10.4	11.7	10.2	12.1	117	7.7	12.3	15.9	12.4	12.3
86	6.4	11.6	13.2	12.7	11.4	118	9.9	12.0	12.7	12.4	10.4
87	10.9	10.3	15.5	14.8	10.0	119	10.1	11.7	12.4	10.4	11.7
88	8.8	10.2	12.1	12.4	11.9	120	8.7	10.9	11.5	13.5	12.8
89	10.6	12.4	14.1	12.4	14.5	121	7.7	10.7	11.4	9.1	12.5
90	8.1	12.3	12.2	13.9	13.9	122	5.2	11.1	12.6	10.4	10.5
91	7.6	12.2	11.7	11.9	10.0	123	10.1	11.6	10.4	11.5	12.1
92	7.1	10.4	9.7	10.6	10.3	124	8.4	11.2	10.4	11.2	12.3



ROW	A	B	C	D	E	ROW	A	B	C	D	E
125	8.7	9.7	11.3	12.3	10.1	157	7.1	13.1	10.3	14.8	10.5
126	7.4	13.2	13.0	13.2	11.5	158	11.1	12.1	10.6	13.1	9.3
127	8.4	10.1	12.3	13.9	10.9	159	12.2	12.1	13.3	12.9	9.9
128	10.0	10.6	10.5	14.4	13.4	160	8.6	10.0	10.0	12.7	10.4
129	9.6	13.1	12.4	10.4	14.3	161	10.7	12.0	9.4	14.3	8.9
130	7.6	12.9	10.9	8.1	12.7	162	10.7	11.7	10.5	16.7	8.1
131	8.7	12.9	13.0	12.6	11.4	163	10.0	14.1	11.1	15.5	11.7
132	9.5	11.7	15.4	12.9	10.7	164	9.2	14.2	12.7	11.5	10.5
133	8.4	13.8	12.2	12.4	12.8	165	8.8	13.6	13.9	13.4	13.0
134	9.1	11.9	12.5	12.9	12.7	166	8.1	13.9	13.4	13.9	11.3
135	6.3	13.3	12.7	13.4	10.2	167	7.2	11.9	12.5	13.2	12.4
136	7.5	12.7	15.7	14.6	12.0	168	7.2	9.3	10.4	14.6	13.7
137	8.7	11.7	12.9	14.1	13.4	169	8.0	11.6	8.3	13.3	12.3
138	6.1	13.0	14.1	13.3	12.5	170	8.5	11.2	13.3	15.2	11.7
139	8.7	12.1	12.6	11.7	11.9	171	9.2	10.0	14.2	13.9	11.5
140	8.3	9.8	13.1	11.5	11.4	172	10.3	10.8	14.4	12.8	12.3
141	7.3	11.4	14.1	11.5	11.7	173	10.9	10.9	14.2	10.2	11.1
142	8.7	11.7	10.9	11.3	11.5	174	10.2	11.9	15.3	13.7	10.3
143	7.3	11.4	11.0	12.1	11.7	175	12.4	12.2	15.9	13.7	10.3
144	9.3	10.7	9.1	11.5	10.3	176	12.1	12.4	14.2	13.0	9.4
145	7.6	12.0	12.7	11.4	13.1	177	11.6	10.3	11.9	10.8	10.1
146	7.6	11.7	14.5	14.1	10.4	178	13.5	12.7	14.5	10.4	9.2
147	6.3	11.5	12.6	13.6	10.6	179	10.0	10.1	13.7	13.1	13.3
148	6.6	10.4	12.3	12.6	9.2	180	12.3	11.9	13.3	11.9	13.7
149	6.8	12.7	11.3	14.5	10.1	181	10.1	9.7	14.0	12.9	12.6
150	7.0	11.9	10.7	13.3	9.7	182	9.1	11.1	13.4	13.2	12.3
151	6.2	11.9	12.5	10.5	10.3	183	11.5	9.5	14.5	15.1	13.5
152	7.1	11.9	10.0	12.5	9.5	184	14.1	9.9	13.7	11.5	10.9
153	8.0	12.0	11.3	13.0	11.3	185	12.1	8.9	11.4	11.1	12.2
154	6.2	13.5	12.3	15.2	12.1	186	10.7	12.1	13.8	11.5	11.5
155	5.9	12.7	9.8	13.7	11.9	187	11.7	11.3	13.3	13.7	9.9
156	8.4	19.9	8.5	13.1	12.2	188	12.9	9.8	13.3	13.7	10.7



ROW	A	B	C	D	E	ROW	A	B	C	D	E
189	14.3	9.6	11.7	13.9	11.0	219	12.2	9.7	9.4	12.3	13.1
190	11.3	12.5	12.3	10.3	11.9	220	11.3	10.7	11.3	14.5	10.4
191	9.8	12.5	11.0	10.5	8.0	221	11.1	10.8	9.0	11.5	10.3
192	12.5	12.3	9.5	11.9	10.3	222	12.1	11.7	12.4	11.7	13.5
193	13.8	13.0	11.7	13.1	10.1	223	11.3	11.4	12.3	13.4	11.3
194	12.3	11.8	14.5	12.2	10.9	224	11.1	8.8	12.6	13.4	9.9
195	12.3	13.9	14.3	12.9	12.1	225	11.6	8.0	13.1	10.5	11.2
196	12.4	12.5	11.8	10.8	12.1	226	12.4	10.6	11.0	13.1	10.4
197	10.7	11.7	11.8	13.1	11.5	227	13.5	10.1	10.3	10.9	12.1
198	11.0	11.5	12.7	14.9	11.7	228	13.4	11.1	13.8	11.3	11.6
199	13.6	11.9	12.6	13.5	11.1	229	13.5	14.5	12.3	11.8	12.9
200	14.1	9.7	14.4	12.4	10.4	230	10.6	11.5	11.1	11.5	11.0
201	10.5	8.9	15.6	11.4	9.9	231	12.2	11.1	12.8	10.9	11.4
202	14.1	10.5	12.3	13.3	12.9	232	12.1	7.6	11.4	10.0	12.0
203	9.3	8.7	10.3	13.4	12.1	233	11.9	9.1	13.9	12.2	10.1
204	10.4	10.5	12.9	13.7	11.4	234	10.5	11.2	11.8	12.4	11.2
205	10.8	9.8	10.9	11.5	9.7	235	8.4	8.4	11.2	12.4	12.5
206	9.6	9.6	12.9	10.8	9.9	236	11.4	11.2	10.2	12.0	10.2
207	8.4	11.9	11.5	12.9	10.4	237	13.4	10.8	12.3	12.8	11.9
208	9.7	13.0	13.1	11.2	10.6	238	14.0	14.2	7.7	12.0	10.9
209	10.7	10.9	13.1	12.4	10.7	239	12.9	10.3	12.6	10.7	10.5
210	11.7	10.5	13.0	10.9	9.4	240	10.7	9.8	10.3	12.3	13.0
211	9.3	9.6	10.8	10.4	11.8	241	10.5	10.4	10.8	10.4	11.0
212	10.5	10.3	12.2	12.5	9.4	242	9.8	11.7	11.5	12.2	11.4
213	10.2	11.7	14.9	11.3	11.1	243	12.4	11.4	11.4	14.1	12.1
214	11.7	9.7	11.6	10.7	11.1	244	11.5	10.0	9.1	12.0	10.9
215	10.2	12.0	12.1	13.1	10.6	245	11.3	11.6	11.3	12.1	12.1
216	11.0	11.0	11.7	10.2	10.5	246	12.3	10.9	10.4	11.0	9.9
217	12.4	10.7	10.7	10.3	11.5	247	10.1	12.7	11.4	10.8	9.9
218	13.7	10.6	10.7	12.2	13.9	248	12.3	10.4	13.9	13.0	11.6



ROW :	A :	B :	C :	D :	E :	ROW :	A :	B :	C :	D :	E :
249	12.1	11.3	12.8	11.1	10.6	282	11.9	11.9	12.3	12.3	12.0
250	11.4	13.7	13.4	14.1	11.7	283	10.0	12.6	11.7	11.2	11.0
251	10.4	9.4	13.2	11.3	11.2	284	11.7	11.5	12.2	11.5	7.6
252	9.3	10.3	14.7	13.8	10.0	285	14.4	12.9	12.4	10.9	11.7
253	11.1	11.9	12.9v	10.8	10.3	286	12.3	13.0	14.4	10.0	11.1
254	11.1	10.5	15.1	13.7	12.2	287	12.1	14.3	15.1	9.9	8.7
256	9.9	11.3	12.1	11.7	10.8	288	10.7	12.0	13.0	11.4	9.4
257	11.3	11.3	11.7	12.5	11.0	289	11.5	12.7	9.8	11.1	10.1
258	9.3	10.8	10.5	11.1	12.2	290	9.6	12.3	9.7	10.6	9.7
259	7.3	10.9	12.2	11.5	11.5	291	11.0	13.7	9.5	9.6	11.9
260	7.9	9.4	10.9	12.6	13.7	292	11.4	13.9	12.3	10.4	10.0
261	8.0	9.9	10.3	11.1	12.1	293	11.6	12.2	14.2	9.3	9.5
262	8.3	12.5	11.7	9.9	12.8	294	12.2	11.7	12.7	10.0	9.4
263	7.5	12.0	12.0	12.7	13.1	295	12.1	13.5	10.3	9.9	9.1
264	8.7	12.4	11.8	11.5	12.3	296	12.3	12.9	9.2	9.9	9.8
265	11.3	13.4	11.5	11.6	11.0	297	11.0	13.6	11.5	10.0	9.1
266	11.9	12.5	10.9	13.2	10.8	298	9.1	14.2	12.1	9.1	8.9
267	12.8	13.7	11.7	12.0	9.3	299	9.2	12.6	12.5	11.5	9.2
268	8.5	13.3	15.0	11.7	12.0	300	12.1	11.7	13.4	12.9	9.9
269	10.0	11.7	13.7	13.1	11.1	301					
270	8.6	12.7	15.9	12.2	9.7	302					
271	8.9	12.5	12.9	10.7	9.5	303					
272	8.9	13.5	15.7	11.8	10.3	304					
273	7.5	12.0	12.8	12.4	9.2	305					
274	8.5	13.4	11.7	11.8	10.0	306					
275	12.3	15.4	10.4	9.2	12.3	307					
276	9.1	12.4	12.1	12.3	10.9	308					
277	10.9	11.8	10.7	12.6	9.1	309					
278	10.7	13.1	12.8	12.8	9.4	310					
279	12.2	13.9	9.3	11.7	11.3	311					
280	12.4	13.3	10.5	12.1	9.8	312					
281	13.1	13.2	10.9	11.9	14.1	313					