

Table 4. Seed dipped Ten Minutes. No Presoak.

Temperature of Dip.	Percentage Germination.				Plants.			Heads.			Sound Heads harvested per 100 Seeds sown.
	Laboratory.	Field.			Total.	Smutted.	Percentage Smutted.	Total.	Smutted.	Percentage smutted.	
		First Count.	Mature Plants.	Gain or Loss over Adjacent Controls.							
Control	98.5	34.0	29.0	..	58	12	20.7	498	76	15.3	211
123° ..	98.3	34.5	33.2	+4.0	133	29	21.8	1,115	188	16.9	231
Control	98.5	32.5	29.5	..	59	21	35.6	572	157	27.4	207
127° ..	96.7	38.5	36.7	+6.7	147	31	21.1	1,236	194	15.7	260
Control	98.5	30.5	30.5	..	61	16	26.3	526	135	25.6	195
131° ..	95.3	30.2	28.7	-3.3	115	22	19.1	1,019	162	15.9	214
Control	98.5	36.0	33.5	..	67	10	14.9	513	60	11.7	226
133° ..	96.0	38.0	37.0	-0.2	148	20	13.5	1,010	112	11.1	224
Control	98.5	42.0	41.0	..	82	21	25.6	512	122	23.6	195
135° ..	67.3	23.5	21.5	-22.7	86	14	16.3	617	99	16.0	129
Control	98.5	47.5	47.5	..	95	25	26.4	562	122	21.7	220

Table 5. Test of Deterioration of Seed after Storage (treated 8th May, sown 11th September): Presoaked Six Hours at 63°; dipped Ten Minutes at 127°.

Temperature of Dip.	Percentage Germination.				Plants.			Heads.			Sound Heads harvested per 100 Seeds sown.
	Laboratory.	Field.			Total.	Smutted.	Percentage smutted.	Total.	Smutted.	Percentage smutted.	
		First Count.	Mature Plants.	Loss compared with Controls.							
Control	98.5	47.0	43.5	..	87	23	26.5	560	120	21.4	220
Treated	94.0	40.2	35.2	-10.0	141	0	0	947	0	0	237
Control	98.5	47.5	47.0	..	94	20	21.3	522	98	18.8	212

Table 6. Seed soaked for Twelve Hours at 104°.

Control	98.5	55.5	47.5	..	95	16	16.9	469	77	16.4	196
Treated	95.7	48.0	41.5	-8.2	166	0	0	797	0	0	199
Control	98.5	55.0	52.0	..	104	33	31.7	479	139	29.3	168