

Finished

Exp 50K Drying - strat.

	No 1	No 2	No 3	No 4
Container	12.56 grams	12.39 grams	12.51 grams	12.70 grams.
" + seed	16.90	17.30	17.78	16.93
Dry seed →	4.34	4.91	5.27	4.73
Jan 4: 11:30A	Into soak	Into	Into	Into
" 7 11:15A	← out soak into drying			
	Soak time (6 hrs)			
Jan 8 8 AM	16.78 wt			
9 "	16.76	← out soak Into drying		
10 "	16.77	Soak time (7 hrs)		
11 "	16.77	16.24 16.24		
" " "	← Into 68°F germ		out soak (8 hrs)	out soak (8 hrs)
			No drying	

Finish

See schedule attached for soaking time & drying

Experiment

50K

Effect leaching (soaking) on germination

Date	Time of day	Germ. time (days)	Tips			Germination			No. of days
			No.	Cum.	%	No.	Cum.	%	
Jan 4	11:30 A		Seeds (4 samples) in plastic vials into soak then on following schedule 1 hr in soak 1 hr out soak 8 to 3 PM work days						soak hrs
			Sample (1) (133) (126V)						(67)
Jan 7	11:15		out soak into drying						
"	11		out drying, watered into 68°F room			0	0	0	0
"	14		3	(127)		6	6	7 =	%
"	16		5			1	7	176	
"	18	10 AM	7	Into 40° strat		0	7	END	
Febr 12	13		1	out strat Febr 11 = 0		57	64		
"	13					20	84		
"	14					4	176		
			Sample (2) (155) (178V)						(73)
Jan 9	8 AM		out soak into drying						
"	11		out drying watered into 68°F			0	0		
"	14		3			7	7	12	
"	16		5			3	10	116	12 =
"	18		7	Into 40° strat		2	12	155	178 =
Febr 11			0	out strat		-	-	127	%
"	12		1			56	56	128	
"	13		2	(55)		32	88	177	
			Sample (3) & (4) Combined (292) (271V)						(Bohrs)
Jan 11	8 AM		No drying. Directly soak to germination						
"	14		3			21	21	to 11 mm out	
"	16		5			22	43	218	53 =
"	18		7	Into 40°F strat		6	49	53	271
Febr 11			0			4	53	271	271
"	12		1	(79) Very vigorous		160	160	24 days strat	
"	13	11 AM		+ 28 NV.		30	190		
						do not 70	218		

Exp. 50K Effect leaching on germination

Hormony

1/17/73

Seed soaked in water on following schedule

In 1 hr. Out 1 hr.

Take samples at end of soaking period for germination and for loss in dry wt.

		No 1	No 2	No 3	No 4
	wt container	12.56	12.39	12.51	12.70
	" " plus dry seed	16.90	17.30	17.78	16.93
Jan 4	11:30 A	←	Into scale		→
	12:00 noon	←	Drained		→
	12:30	←	Back soak	No foam but color	→
	1:00		Out	"	
	1:30		In	"	
	2:00		Out	"	
	2:30		In	"	
	3:00		Out	Some bubbles holding temporarily	
Jan 7	8:15	Hro In	2 days plus in bowl Lab 7		
	8:45	Out			
	9:30	In			
	10:00	Out			
	10:30	In			
	11:15	Out	1st sample into (germ) drying light foam bubbles.		
Jan 7	11:15	No 1	out of water into drying		
8	8 AM	Seed container wt →	16.28		
"	"	Hourly	←	Into soaked	→
"	8:30 AM	Schedule	←	out	→
9	8:00 AM	16.26	Hourly in out schedule		
"	"		out thro into drying		
10	"	→	16.27	No 2	
10	"			→	16.24
"	"		16.27		16.24
"	"		All into 68°F germ 182 out of drying		
"	"		mashed. No 3 3&4 directly from soaking without drying		