Finished

Experiment STS[WB] Seed Treatment Soak Wire basket
JP '73 Seed (untreated)

Date 1974	Time of day	Germ. time (days)	Tips No.	Tips Cum.	Tips %	Germination No.	Germination Cum.	Germination %	No. of ~~days~~ hours

Seed into soaking schedule Jan 9 1:45PM Lab 7
5 minutes per hour

0 strat submerged 1.8 hrs soak

Sample (1) (100)(88V) excise 3/88 (1.5 plus .3)

Date	Time of day	Germ. time (days)	Notes	Germ. No.	Germ. Cum.	%	
Jan 10	noon	0	out soak. Into 68°F	0	0		
14	8AM	4		1	1		
18		7	→ (105) Now into 40°F strat Lab 7	1	2	53/88	
" 31			After 13 days strat → 68°F	0	0		13 days strat
Febr 11		12	Back 40; 35V excise; 12NV not	51/~~[illegible]~~	53		

End

0 strat. 2 hrs soak

Sample (2) (112V)( ) 3/100 (2.0)

Date	Time of day	Germ. time (days)	Notes	Germ. No.	Germ. Cum.	%	
Jan 11	8AM	0	1 long tip.	0	0		
~~14~~	8AM	3		1	1	37/100	
18		7	Now into 40°F Lab 7	2	3		
" 31		0	After 13 days strat Into 68°F	0	0		13 days strat
Febr 11	noon	11	Back 40	34	34		
27	1PM		63V 12DNT			37	

End

strat 9 days

First strat @ 40°F Lab 7

Sample (3) → (~~123~~ 129)(115V)

Jan 18 8AM 0 — Note: Seed out of basket into 40°F strat Lab after standing wet in capped coffee can in moist condition since Jan 15. Germination to date → 12 12. Remaining seeds into strat. 12/115 — No strat? soaked? hrs

Date	Time of day	Germ. time (days)	Notes	Germ. No.	Germ. Cum.	%	
Jan ~~[illegible]~~ 29	1PM	0	out strat Into germ				
" 30	noon	(80)	Very healthy.	40	40		9 days strat
			" "	19	59		
Febr 1	9AM		" "	4	63		
11			" " Back ~~40°F [illegible]~~ 40°F	4	67	67 / 79	79 / 115
27	1PM		36V 14NV not			End	

Holmey

Exp STS = Seed Treatment Soak
Effect of leaching of seed coat materials (gel etc) on germination of P'73 seed

1974

Jan 9 2:00 PM — Seed into copper wire basket and into water

" " 3:30 PM — Seed and basket out of water to drain and into covered coffee can. Wet paper on bottom. Kept at Lab temp

Jan 10 8:00 AM — Seed in basket back into H_2O. ~~Shook~~ and moved about to hasten solution for 2 or 3 minutes. Then out of H_2O and into coffee can. Repeat at hourly intervals.

→ Done 8AM,

Jan 11 3PM — out soaking. - to this time 3 minutes rinse/hr 8-3PM

Jan 14 — Back soaking

Strat samples into Jan 18

STS wB Cont'd

1974 — See (3) for source this seed

					Norm	Abn	Gdd	Dd
			(4)	(116 X 108)				(14 days strat)
Febr. 1	9AM		out strat 40°F into 68°F		2	2	—	
11	11 AM		Vig. (43)		72			to 65 mm
				seed dried back into 40°F				
27	1PM		32v Abn nat		74	2	76/108 =	
				End				

74
2
43
119

			(5)	(77 X 64v) excise			
Febr. 11	1PM	0	out 40 into 68°F		3		(24 days strat)
13	1 30P	2			38		
15	10AM	4	(29) Vigorous	16V excise	7		
					48		

End

Last — (6)

						Not norm		
Febr 20	11:30AM	0	(176) (~~[illegible]~~) (155v)	—	37	out to 25 mm out	(33 strat)	
21	2PM	1			61			
62 / 22	10AM	2	(62)		19		2	
19 / 25	10AM	3	(52) — 4		10		4	
2 / 83 / 27	1PM	7			4		1	
62 Mar 1 / 2	9AM	24V	14 Nv nat		131		7	

33 days strat.

131/155 =

37
61
19
10
127
2
129

129
52
181

131
7
14
24
176

131
24
155

End