

Experiment

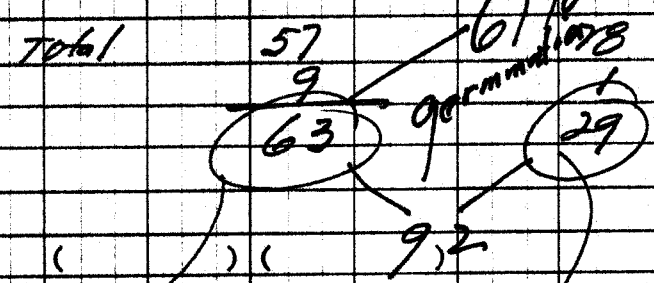
N₂ Pt

1 minute Mar 21/75
Tubo 40° start Mar 26

Date	Time of Day	Germ. time (Days)	DNT	Germination			Dd	DT	No. of Days
				Norm	Abnor.	Gdd			
									Start
		Sample ①							↓
		① Only		95					⑦②
June 6	7:30 A	0	(95)	()					
		0	out 40°F start into 60°F	15 to 60 mm				3	
			No root hairs						
June 9	7:00 AM	3		?	47				
" 10	10 AM	4			4				
" 11	15+3 7:00 AM	5			5				
" 12	34 7:00 AM	6			0				Root hairs showing start abundant
" 13	7:00 AM	7			0				51 out would grow
" 16	7:00 AM	8							2 " " "
June 23	1 PM	Sample	()	()	()	()	()	()	()
		0			57				

Mar 5 10 excised
Apr 30
May 31
June 6

25 → from processing
End result.



66
630
570
600

72 18 June 26
81
99
Sample 0
57
25
82

These would grow many show signs of injury. Probably cleaning

End

These (most) damaged and killed by cleaning

Experiment N_2
 Nevada, (Holland) 1974 seed

Pt seed immersed in liquid nitrogen.

Carl Crisp Lab.
 Manny M

1975 Date	Time of Day	Germ. time (Days)	Germination			Dd	DT	No. of Days
			Dnt	Norm	Abnor.			

Mar 21	10:20A	Seed into liquid N_2						
" 21	11:30A	" out " "						

Sample (1)
 0 () ()

Seed stored @ 40°F until Mar 26, then soaked

Mar 27	9AM	Excised						
Mar 28	9AM	Slit signs growth						
" 31		10mm 98 Very big (2)						three two new viable
Apr 7	9AM	to 9mm hrc 60mm m i. healthy						

Sample 0 () ()

Note! Sample of J. P. Siedler seed same results as above (with 5 sec exposure)

Sample of Holland seed also same as above but all died of Sengri after 7 days growth hrc 40mm. May be weaker strain (with 5 sec exposure)

Sample (5mi) - start 40°F since about Mar 26/75
 (85) ()

May 8	7:30	out 40°F into 68°F	60% tips					
			1 to 2 1/2 mm					
	9 7:30		17 to 12 mm					
	12 7:30		22 to 25 mm					3rd tip
		Total	40 to 30 mm					

(45)
 40
 85

Most healthy
 A few root tip injury, frozen

End
 M

