

Effect of rest on increasing Post-Seed  
germ. % cap

Experiment B-74 ~~Start~~ Start 30°F → 40°F → 30°F Finished.

Date	Time of Day	Germ. time (Days)	Dnt	Germination			Dd	DT	No. of Days
				Norm	Abnor.	Gdd			
1974	Seed soaked	- See B74 soaked schedule for 40°F start							
Jan 31	11:20A	Into 30°F							
		Sample (1)	(164)						
Mar 25		0	out start into 68°F						
26		Supply	Into 40°F start						
Apr 1		0	out 40°F	0	-	-	-	No instrat.	
3		1	(53)	93				18 down	
4		2		10	2	2		1	
5		3		-					
8		6		29	5			4	
				29	108	2	2	23	
					110				
		Sample (2)	(192) (167)						
Apr 7	1000A	0	out 40°F into 68°F					No instrat	
			Supply into 30°F					(0) No germ. Most long tips	
11	9AM			27	130			35 start	
		27		27	(130)			35	
		130							
		35					130		
		192							
		Sample 0	( ) ( )						
Apr 11	9:30 AM		The B-74 supply now } 2 blowers						
			into drying						
	11:00 AM		out drying						
	11:02 AM		Seed into 77°F for further drying						
			at 77°F but slower than with blowers						

Experiment

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Cont'd

Date	Time of Day	Germ. time (Days)	DNT	Norm	Abnor.	Gdd	Dd	DT	No. of Days
April 11	9:30								
Supply of seed dried @ 79°F 2 blower for 1 hr 30 min. Seed now designated B74-343									
		Sample (3)	← No storage older drying (150 X 131)						
April 11	11:20	0							
Dried seed rewetted and into 77°F germ. Seven seeds were sponged 1-3 mm before drying. Please set aside in dish									
"	12 9 AM			6				1 day 9	
	15	4		56	101			7 clear	
	16 8 AM			34				9 "	
	17 9 AM			15	1/4	8	10	101	
See below and next page									
		Sample (4)	← 1 day storage @ 77°F (dried seed) End						
April 12	9 AM	0							
Remainder of supply into 2 portions one stored at 77°F the other at 30°F Sample (4)									
See B74, B74-343 for results at 77°F and 30°F starting with (4) above. This is called (1) on attached sheets.									
		Sample 0	(	)	(	)			
						15			
						97			
						4			
						8			
						10			
						16			
						150			

Experiment B74, B74-343

77°F storage

Date	Time of Day	Germ. time (Days)	DNt	Germination Norm	Abnor.	Gdd	Dd	DT	No. of Days
1974									
April 11	11 AM	Dried seed	total <sup>99</sup> / <sub>10</sub> → 99 ← 70 ← storage 77°F rest 0						
		Sample ①	1 day storage (185) No rest.						
April 12	9 AM	0	Dried seed out 77°F waited and into 77°F germ						
	15 8 AM	3		51				← 38 clean + dried stored	
	16 8 AM	4		1					
	17 9 AM	5		0					
	18 " 16	6	Into 40°F rest		0 = 62				
"	22 3 PM	99	out " "		9			End Note!	
	23 8 AM	70			98			← 21 clean	
	24 8 AM	185			16, 19			← 511 - rest	
	22 days storage	Sample ②	<del>storage</del> (212)						
May 3		0	out storage Into 68°F germ after waiting						
"	6	3			7		32	→	
"	7 10 AM	4	Back 40°F		5				
					12		32	→	
May 10	11 AM	0	out 40°F		15		31	→	③
"	13 9 AM	3			46		22	→	
"	14 "	4	Back 40°F		2		20		
									④
May 20		0	out 40°F Into 68°F						
"	23		<del>24 NV exercise</del> → 8						
"	28		21 NV → 11						
"	28		<del>24 NV</del> → 83 → 105						
"	28		21 NV → 86 → 105 → 86						
"	28		Grand total → 212 → 212 → 86 → 86 → 105 → 105 → 86 → 86						
			End						

Experiment B74, B74-343

77°F storage

Date 1974	Time of Day	Germ. time (Days)	Dnt	Germination Norm	Abnor.	Gdd	Dd	DT	No. of Days	
									recheck	
		Sample 3	Last stored 47 days @ (132) ( )							
May 28	9 AM	0	out of storage, watered and into 63°F germ							0
<del>May 29</del>		7v								
May 29	"	70		3						
June 3	"	55		24						
" 6	"	132	9	55	Back start	15	←	36	→	
" 10					out start	11				
" 14		Total	7v	17		←	19	→		
		Sample 39	7	70			55	End	9	
June 6	10 AM	0	out re into 63°F							17 clean
" 7	10 AM	1		14	←					
" 10		4		19		←	34	→		
		Total		53			46			
								End		
		Sample 36	Last (110) ( )							
June 10	8 AM	0	out (30)							13
" 11	"			38	→	←	42	→		
				12	6	→	12			
		Total	12	44			54			
								End		
		12								
		44								
		54								
		110								

Experiment B 74, B74-343

30°F storage

Date	Time of Day	Germ. time (Days)	Dnt	Norm	Abnor.	Gdd	Dd	DT	No. of Days
1974									(256)
May 8		Sample ①							①
6									
7									
" 10	11 AM								
13	9 AM								
14									
May 20		Sample ②							②
23									
" 23									
" 28									
32									
161									
63									
256									
24									
161									
8									
63									
256									

(256) ( )  
 Sample ① 22 days storage  
 Dry seed at storage worked into 60°F germ  
 3 ← 80 → 177 →  
 4 Back 4 17  
 2 97 227  
 " 10 11 AM 0 out 40°F 30 ← 17 → ③  
 13 9 AM 3 31 19  
 14 Back 40°F

Sample ③  
 0  
 3  
 out 40°F → 68°F  
 ③ These excised 3 - - -  
 7 appear viable

Total to date  
 → ③ Those excised 161 8 63  
 24 NU 8  
 Total (End) 24 NU 161 8 63

Sample 29  
 0 ( ) ( )

End  
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Experiment B74, B74-343

30°F storage

| Date<br>1974 | Time<br>of<br>Day | Germ.<br>time<br>(Days) | DNT                                   | Germination |        | Gdd | Dd | DT   | No.<br>of<br>Days       |         |
|--------------|-------------------|-------------------------|---------------------------------------|-------------|--------|-----|----|------|-------------------------|---------|
|              |                   |                         |                                       | Norm        | Abnor. |     |    |      |                         |         |
|              |                   |                         |                                       |             |        |     |    |      | Restart                 |         |
|              |                   | 2                       | last stored 47 days @ (143) ( )       |             |        |     |    |      |                         |         |
| May 28       | 9 AM              |                         | out storage. Wet load. Into 69°F germ |             |        |     |    |      |                         | (0)     |
| 29           | 10 AM             |                         |                                       | 6           |        |     |    |      |                         |         |
| June 3       | 10 AM             |                         |                                       | 35          |        |     |    |      | 30 days storage drying? |         |
| 6            |                   | 9                       | Back street                           | 6           |        |     |    |      |                         |         |
| 10           | "                 | "                       | out street                            | 5           |        | 4   | ←  | 24 → |                         |         |
| 55           | "                 | 14                      | 10V                                   | 3           |        | ←   |    | 20 → |                         |         |
| 78           |                   |                         | Total →                               | 10V         | 55     | ←   |    | 78 → |                         |         |
| 143          |                   |                         |                                       |             |        |     |    |      | End                     |         |
|              |                   | 29                      | (116) ( )                             |             |        |     |    |      |                         | (9)     |
| June 6       | 10 AM             |                         | out road → 68°F                       |             |        |     |    |      |                         | 22 down |
| 7            | 10 AM             |                         | (24)                                  | 29          |        | 2   |    | 12 " |                         |         |
| 10           |                   |                         | 4                                     | 6           |        | 3   | ←  | 14 → |                         |         |
|              |                   |                         | Total                                 | 57          | 6      | 5   |    | 48   |                         |         |
| 24           |                   |                         |                                       | 57          |        |     |    |      | End                     |         |
| 57           |                   |                         |                                       | 6           |        |     |    |      | ↘                       |         |
| 2            |                   |                         |                                       | 55          |        |     |    |      |                         |         |
| 33           |                   |                         |                                       | 48          |        |     |    |      |                         |         |
| 116          |                   |                         |                                       | 116         |        |     |    |      |                         |         |
|              |                   | 26                      | (171) ( )                             |             |        |     |    |      |                         | (13)    |
| June 10      | 8A                |                         | (78)                                  | 60          |        | ←   | 33 | →    |                         |         |
| 11           | "                 |                         |                                       | 2           |        |     |    |      |                         |         |
| 14           | 8 AM              |                         | 4                                     | 6           |        |     |    | 20   |                         |         |
|              |                   |                         | Total                                 | 68          |        |     |    | 53   |                         |         |
| (78)         |                   |                         |                                       | 60          |        |     |    |      | End                     |         |
| 60           |                   |                         |                                       | 2           |        |     |    |      | ↘                       |         |
| 33           |                   |                         |                                       | 6           |        |     |    |      |                         |         |
| 171          |                   |                         |                                       | 68          |        |     |    |      |                         |         |