

Experiment Summary

Exp. **F** Treatment: **Strat 29°F H<sub>2</sub>O frozen Freezer jars**  
 Seed - source, name **Silver #2 89%**

1970  
 Treatment details **Seed covered with 3" H<sub>2</sub>O**

Date  
**May 18** **Into 29°F**  
**138**

Germination record

Date	Sample No	Treatment (No. of days)	No. of seeds		Germination <sup>1/</sup>		Germination in treatment	
			Total	Viable	Tips Percents	Complete Percents	Percent	
May 25 10 AM	1 145	7	113	101	0	0		
June 1 11 AM	2 152	14	105	93	0	0		
8 2 PM	3 159	21	110	98	0	0		
16 9 AM	4 167	29	101	90	2	2		
23 10 AM	5 174	36	104	93	6	6		
July 22 1 PM	6 203	65	110	98	0	0	3	3
Aug 25 9 AM	7 237	99	130	116	0	0	0	0 All dead

*All dead in about 3 months*

<sup>1/</sup> In 7 days @ 68°F. Germination complete when root tip through seed coats.

→ F

Freezer jars

Experiment Strat H<sub>2</sub>O 3" x 3" (4) 30°F Cold Room  
Silver #7 Started May 18 PM 1970

Date	Time of day	Germ. time (days)	Tips			Germination			Strat. No. of days
			No.	Cum.	%	No.	Cum.	%	
May 25	10:00A	0	Sample 1 (1) (Plumping) 5	5	113	0	0	0	(7)
26	9:00A	1		8	13	0	0	0	
27	11:00A	2		3	16	0	0	0	
28	10:00A	3		3	19	0	0	0	
29	9:00A	4		0	19	0	0	0	
30	9:00A	5		4	23	0	0	0	
31	8:00A	6		0	23	0	0	0	
June 1	10:30A	7		6	29	0	0	0	0%
June 1	11:00A	0	Sample 2 (2) (Plump) 3	3	105	(End)			(14)
2	9:30A	1		5	8	0	0	0	
4	10:30A	2		16	24	0	0	0	
6	10:40A	3		4	28	0	0	0	
8	7 PM	4		3	31	0	0	0	
		5			24				
		6							
		7							
June 8	2 PM	0	Sample 3 (3) (Plump) 1	1	110	0	0	0	(21)
9	9 AM	1		1	2	0	0	0	
10	2 PM	2		16	18	0	0	0	
16	9 AM	3		24	42	0	0	0	
		4			6				
		5							
		6							
		7							
June 16	9 AM	0	Sample 4 (4) (side) 3	3	101	0	0	0	(29)
22	1 PM	6		62	30	2	2	normal discard	
		7		7	40	4	4	abnorm left	
23	10 AM	7				0	4	These dead	

(V) Radicals showing in 7 days @ 30, 35, 40°F no doubt plumping

# Freezer jar

Experiment **F H<sub>2</sub>O strat** (4) 30°F (2)

Date	Time of day	Germ. time (days)	No.	Tips		Germination			No. of days	
				Cum.	%	No.	Cum.	%		
		Sample <b>(5)</b>			<b>(104)</b>					<b>(36)</b>
June 23	10 AM	0	1	1		0	0	0		
24	11:30 A	1	7	8		0	0	0		
29	3:40 PM	6	22	30	TIP 4	5	5			
30	11:30 AM	7	13	43	tip	1	6			
						<u>                    </u>				
						<b>(END)</b>				
		Sample <b>(6)</b>			<b>(110)</b>					
July 22	1 PM	0 out								
31	17:15 P	Back strat.				<u>0</u>	<u>0</u>	<u>0</u>		
Aug 17										
" 20	11/4 AM	<u>Back strat</u>				0	0	0		
						3	3			
						<b>(End)</b>				
		Sample <b>(7)</b>			<b>(130)</b>					
Aug 25	9 AM	0			<u>Toto 40°F strat</u>					
						<b>All dead after strat</b>			<b>0%</b>	