

B-70

Start 50°F

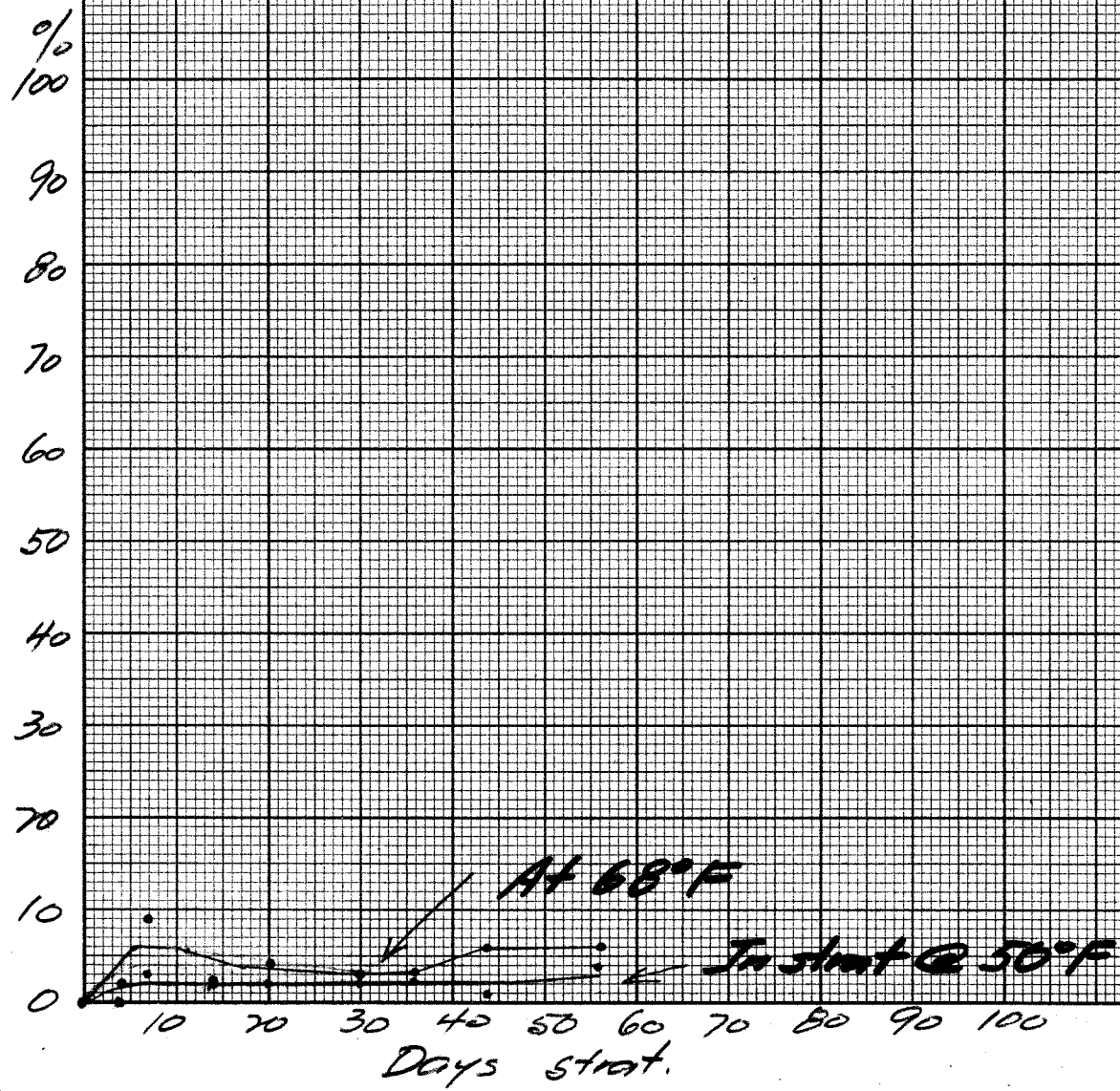
Petri

Not aerated

Silver Lake No 2

1970

(Path lab 7 mdrig)



Exp B-70 Summary

Strat 50°F (Petri)
(Petri Lab 7 rating)

Silver Lake No 2

1970

Test period Oct 9 - Dec 14

Oct 9 1PM Into 50°F after 4 hrs soaking

Date	Sample No	Strat Days	Germination		Tips	No seeds Viable Calc.
			In strat	Complete		
Oct 13	1	4	0	2		105
16	2	7	3	9		105
23	3	14	2	2		87
29	4	20	2	4		102
Nov 8	5	30	2	3		91
14	6	36	2	2		92
22	7	44	1	6		93
Dec 4	8	56	4	6		77

Figures 01c

o/c

Strat 50°F Petri

Lab 7 Prolog

1970

Silver Lake #2 50001

89% viability

1970		Time of day	Germ. time (days)	Tips			Germination			No. of days
Date				No.	Cum.	%	No.	Cum.	%	
Oct 9	1 PM	Into 50°F after 4 hours soaking								0
		Sample ①		(118) (105v)						4
Oct 13	7 AM	0	A few tips			0	0	0		
14	7 AM	1	46	46		0	0	0		
15	7 AM	2	2	48		1	1			
16	8 AM	3	2	50		1	2			
18	7 AM	5	6	56		0	2			
23	1 PM	10				0	2		2%	
										(End)
		Sample ②		(118) (105v)						7
Oct 16	8 AM	0	A few tips			3	3		3%	
18	7 AM	2	75	75		4	7			
23	1 PM	7	0	75		2	9		9%	
										(End)
		Sample ③		(98) (87v) (87v dent)						14
Oct 23	1 PM	0	63	63		2	2		2%	
25	8 AM	2	3	66		0	2			
26	7 AM	3	0	66		0	2			
27	7 AM	4	0	66		0	2			
28	7 AM	5	0	66		0	2			
30	7 AM	7	0	66	Back strat	0	2		2%	
Dec 17	11 AM		out strat 85 viable							
										(End)

Experiment

Lab 7 ending

Date	Time of day	Germ. time (days)	No.	Cum.	%	Germination	No.	Cum.	%	No. of days	
Oct 9	1 PM									(0)	
Oct 27	8 AM	Sample (4)				(115) (10% alc)				2%	(20)
30	8:30 A	0	73	73			2	2		To 3 mm	
31	7:00 A	1	5	78			0	2			
Nov 7	8 AM		2	80			1	3		Normal	
							2	5		4%	
						(End)					
Nov. 8	7 AM	Sample (5)				(102) Calc				2%	(30)
9	7 AM	0			90% tips	91	2	2		To 30 mm	
10	7 AM				" "		0	2			
11	8 AM						0	2			
14	7 AM	6					1	3		lost in dish	
					(End)		0	3		Normal	
						(End)				3%	
Nov 14	7 AM	Sample (6)				(103) Calc				2%	(36)
15	6:30 A	0				92	2	2		To 30 mm	
22	7 AM	8					0	2			
					(End)		0	2		2%	
Nov 22	7 AM	(7)				(105) Calc				1%	(44)
23	7 AM	0				93	1	1			
24	7 AM	1					1	2			
26	7 AM	2					0	2			
28	7 AM	5					0	2			
		7					4	6		6%	
					(End)						

B-70

Not germin

Experiment

Start 50°F
Silver #2

Petri Lab 1 Redrig

Date	Time of day	Germ. time (days)	Tips			Germination			No. of days
			No.	Cum.	%	No.	Cum.	%	
Oct 9	1 PM								①
Last									
Dec. 4	7 AM	Sample ⑧	(87)			(77)			4% ⑤⑥
5	7 AM	0	Most are tips			3	3		to 60 mm long type
14	7 AM	1				0	3		15 mm root
		10 ⑧②				2	5		6%
(End)									
Finish									
		Sample	()			()			
		0							
		Sample	()			()			
		0							

Checks Silver Lake No 2 seed

②

68°F

1970

A = Apr. 29 - July 31

B = June 12 - Aug 17

%
germ

100

90

80

70

60

50

40

30

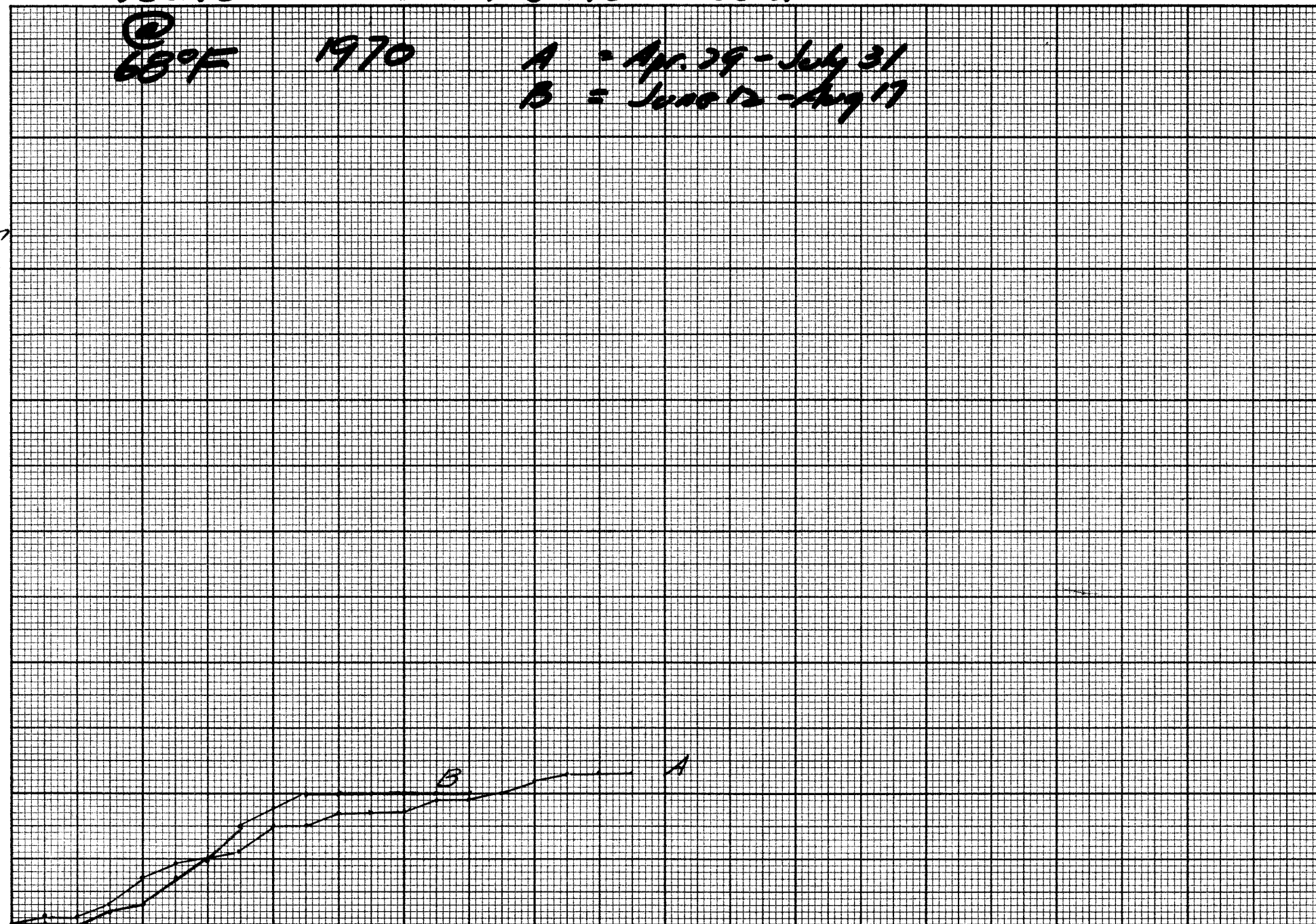
20

10

0 10 20 30 40 50 60 70 80 90 100

B

A



Bd (A) & (B) Summary

Checks Start @ 68°F Silver Lake No 2 steel

Days @ Start temp		Calc Basis (182)(162) ←		(237)(211)	
		Test (A)		Test (B)	
		Apr. 29 - July 31		June 12 - Aug 17	
		Germination		Germination	
		Cum	%	Cum	%
Apr 29	} -0	0	0	0	0
June 12		1	1	0	0
	5	1	1	0	0
	10	1	1	0	0
	15	5	3	4	2
	20	11	7	"6"	3
	25	15	9	"14"	7
	30	17	10	22	10
	35	18	11	31	15
	40	24	15	39	18
	45	25	15	42	20
	50	28	17	43	20
	55	28	17	43	20
	60	28	17	43	20
	65	30	19	43	20
	70	30	19	"43"	20
	75	"33"	20	% End → 43" 20%	
	80	35	22		
	85	37	23	% End	
	90	37	23		
July 31 = 94	95	37	23 %		
End					

Factor 617

Factor 474

Exp B, d (A)

Check @ 68°F Silver Lake Noz Seed



1970		These seeds growing out to one side										Days Germ
Date		(182)	()	Tips			Germination					
				No	cm	%	Normal seeds No	cm	%	Normal seeds No	cm	%
April	29	3 PM	startail	No	cm	%	No	cm	%	No	cm	%
"	30	9:00 A		2	2		0	0	0	0	0	0
May	1	9:00 A		2	4		0	0	0			
"	2	10:30 A		7	11		0	0	0			
5	"	4:56		23	34		1	1				
50	"	9 11	2:30 P	35	69		0	1				
"	13	10:30 A		8	77		2	3		1	1	
15	"	14	2:30 P	14	91		2	5				
"	15	10 AM		1	92		3	8				
"	16	11 AM		2	94		0	8				
"	18	8 AM		8	102		3	11				
20	"	19	9 AM	8	110		0	11				
"	20	8 AM		13	123		0	11		2	3	
"	21	8 AM		0	123		0	11				
"	22	8 AM		0	123		1	12				
25	"	23	10 AM	8	131		3	15				
"	24	26	8 AM	8	139		2	17				
"	29	8 AM		5	144		0	17				
30	30	8 AM		0	144		0	17				
29	31	8 AM		0	144		0	17				
June	1	9:30 A		0	144		1	18				
35	3	8:00 A		3	147		0	18				
	5	8:00 A		5	152		0	18		changed dish		
	6	9:45 A		4	156		5	23				
40	8	11:30 A	11 no tips left	0	156		1	24				
	9	8:00 A		1	157		0	24				
45	13	11:00 A		0	157		1	25				
	15	9:00 A		0	157		2	27				
	16	8:00 A		0	157		1	28				
50	17	2 PM		0	157		1	28				
	19	8:30		0	157		0	28				
55	22		12 decayed discarded				0	28				
60	23	25	No tips left	0	157		1	29				
165	28	29		0			1	30				
70	July	2		0			0	30				
"	9	9:30 AM					3	33				

Exp B, d (A) 1st Test

Check @ 68°F
Silver #2 seed 94% viability

Date	Tips	Germination	Days
75 12	(No more)	No Germ %	Germ
July 14 10:30 A		2 35	76
80 12 20 9 AM		0 35	77
85 22 24 8 AM		2 37	
90 21 31 11 AM		0 37	94

(End)

Remaining seeds into 40°F strat on July 31/70
11 AM 111

Aug 18 9 AM out of strat
20 10 AM Many germinating
21 10 AM Back into 40°F 64 64

Sept 32 96
+ Burial 8 104

37 germ

12 decaying discarded

111 rest of Summary

160

29

189

41

42

182

29

141

41

July 31

Sept 16

" "

Seeds that were non viable or died during test

Total seeds used in test

Germination in 93 days

" " after strat

viable seeds

Total viable seeds

Total

182

37

96

8

141

41

182

182 x 94%

↓

171 viable

22%

70%

22%

Germination 22% in 93 days at 68°F - viable seed basis

93

182

1700

1638

620

Calculated viability 93%

Note Two dishes used, one for supply and one for tips

2nd test

Exp B, d (B)

Check @ 68°F

Silver Lake No2 Seed

1970

237

Date	Time	Tips			Germination			Days @ temp
		No	Com	%	No	Com	%	
June 12	9:20	Seed started soaking @ lab temp						(0)
13	9:20	6	6		0	0	0	1
5-11	15 9:00A	5	11		0	0	0	3
19	9:00A	0	11		0	0	0	7
10	22 9:30A	43	54		0	0	0	9
23	8:30A	15	69		0	0	0	11
24	9:00A	—	69		tips 1	1		12
25	9:00A	18	87		0	1		13
15	27 9:00A	—	87		3	4		15
29	11:00A	45	132		0	4		17
30-1	2 9 AM	35	167		tips 3	7		20
25-16	9 9:30 AM	23	190		tips 12	20		27
30-18	14 10:40 AM	(40) 6	196		TIPS 7	27		32
35 "	16 10:00 AM	0	196		tips 4	31		34
40-21	20 9 AM				tips 8	39		35
45-26	24	3	199		tips 2	41		
50	31 11 AM	(23) non viable	dis Cardat		tips 2	43		49
55-53	8:30A				0	43		52
60-10	17 1 PM	← Into 41°F strat to determine viability			0	43		66
65-15								
70-20								

Finish except

End

Calculated viability on basis This test 89%

Experiment

B, d Check B

Silver #2

1970												
Date	Time of day	Germ. time (days)	No.	Cum.	%	No.	Cum.	%	Germination	No.	Cum.	%
June 12	9 AM											
Aug 17												