

JP III

Strat (33°F)

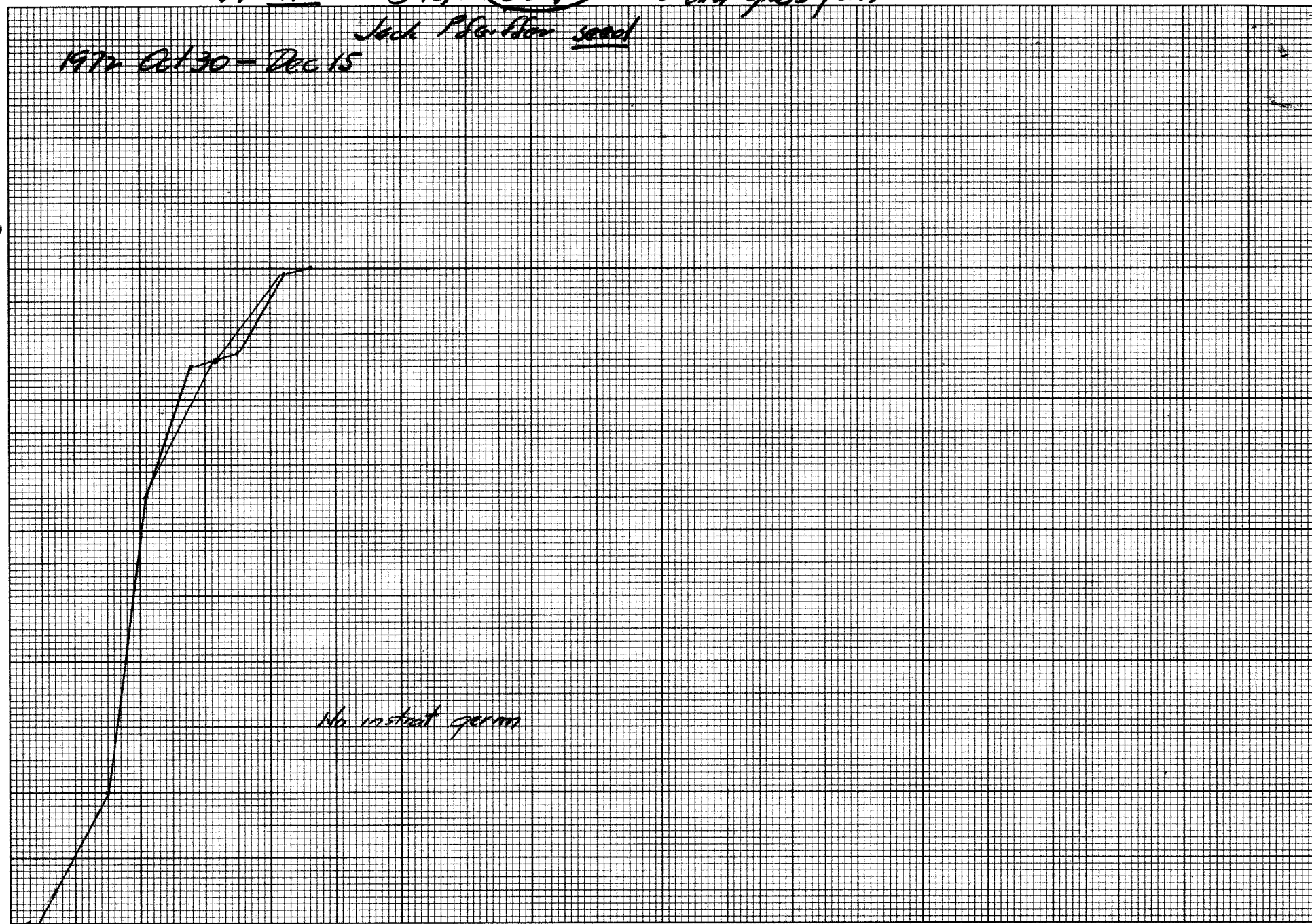
8" dia glass pan

1972 Finished

1972 Oct 30 - Dec 15

Jack P. Searles seed

%
germ
100
90
80
70
60
50
40
30
20
10



No instant germ

0 10 20 30 40 50 60 70 80 90 100
Days strat

Experiment Summary

Exp. JP III

Treatment:

strat 33°F 8" dia round glass pan
Ante room re-Strig Stereal 866g

Seed - source, name

Jack Pfeiffer

Treatment details

Date 1972

Oct 30

Into 33°F strat.

Germination record

Date	Sample No	Treatment (strat)	No. of seeds		Germination 1/		Germination in treatment		
			No. of days	Total	Viabile	Tips Percents	Complete Percents	No	%
Oct 30	0		0	Into strat					
Nov 1	9:45P 1	2	100	87	ak	0	0	0	0
Nov 6	2	7	108	94	"	5	5	0	0
14	3	15	80	70	"	14	20	0	0
20	4	21	116	101	"	65	65	0	0
27	5	28	117	102	"	87	85	0	0
Dec 4	6	35	139	121	"	105	87	0	0
" 11	7	42	103	86	axase	85	99	0	0
" 15	8	46	115	91	" "	91	100	0	0

Last

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

Experiment

Pt Seed J P III

Round glass pan 8" dia
- Ave 33

Strat 32°F

Jack Pfeiffer

Cold room onto refrig

Date 1972	Time of day	Germ. time (days)	Tips			Germination			No. of days
			No.	Cum.	%	No.	Cum.	%	
Oct 30			Into strat 10" glass pan 2 1/4" deep strat paper lined						
			Seed froze this date @ 32°F			Raised temp (87°C)			
			Sample (1)						(2)
Nov 1	9:45P	0	No tips			0	0	0%	
"	2 9AM	1				0	0		
	3 12 noon	2				0	0		
	6	5				0	0		
	7	6				0	0		
	8 10AM	7				0	0	0%	
			(End)						
			Dobrite strat collect						
			Sample (7)			(108) (97°C)			(7)
Nov 6	3PM	0	No tips			0	0	0%	
7	10AM	1	Many bulging tips			1	1	1mm left	
8	10AM	2	Many (several) long tips			0	0	1mm left	
Nov 7	10AM	1				0	0		
"	8 10AM	2	Many (several) long tips			1	1	1mm left	
	9 10AM	3	3 or 4 about to germ			0	1		
	10 8AM	4				3	4		
	13 10AM	7	Many bulging tips			1	5	5%	
			(End)						
			Sample (3)			(80) (70°C)			(15)
Nov 14	3PM	0	No tips			0	0	0%	
15	9AM	-1	Many bulging			0	0		
16	11AM	2				5	5		
17	8AM	3	(69)			6	11		
20	10AM	6				3	14		
21	10AM	7				0	14	20%	
			(End)						

Prob ave 33°F

Experiment Pt Seed JP III Round glass pan 8" dia

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

Sample 4 (116) (10% calc.)

Frozen by Dec 32°F this period

slow germ because

Nov 20	10 AM	0	0	0	0	0%	out	<u>21</u>
21	10 AM	1	14	14	0%	to 4 mm		
22	3 PM	2	40	54		out		
24	10 AM	4	9	63				
27	12 noon	7	2	65	65%			

(End)

Sample 5 (117) (10% calc.)

Nov 27	12 noon	0	0	0	0%	<u>28</u>
28	12 noon	1	5	5		
29	12 noon	2	52	57		
30	12 noon	3	17	74		
Dec 1	3 PM	4	10	84		
4	3 PM	7	3	87	85%	

(End)

Sample 6 (139) (12% calc.)

Dec 4	3 PM	0	0	0	0%	<u>35</u>
5	1 PM	1	20	20	left	
6	11 AM	2	50	70		
7	3 PM	3	73	93	out	
8	Noon	4	6	99		
10	10 AM	6	4	103		
11	11 AM	7	2	105	87%	

(End)

Experiment

Ave 33°F

JP III 32° Round glass pan 8" dia.

Date 1972	Time of day	Germ. time (days)	No.	Tips			Germination			No. of days
				Cum.	%	No.	Cum.	%		

Sample (7) (103) (86%) exercise (47)

Dec 11	1PM	0				0	0	0%	
12	9AM	1	(37)	25% germ	No count	-	-		
13	10AM	2				71	71		to 15mm out
14	10AM	3				17	83		
15	10AM	4				2	85	99%	

(End)

Sample (8) (115) (91%) exercise (46)

Dec 15	10AM	0				0	0	0%	
19	1PM	4	(25)			90	90		
20	11AM	5				1	91	100%	

Last sample (End)

Supplementary info

Finished

Sample (9) (275) (259%) by exercise (51)

Dec 20 11AM Remaining seeds into 40°F for 2 or 3 days
 Then into drying for 95° store test #4

Jan 4/73 11AM } out 40°F strat (275) (259%) by exercise
 5 11AM } 90% germ to 24mm
 254 254 all out
 5 259 out

(End) 100%