Poor quality seed. obtained by Lynch from F.S. Idaho 1972

Experiment Pp Idaho #14 1972

Date	Time of day	Germ. time (days)	Tips No.	Tips Cum.	Tips %	Germination No.	Germination Cum.	Germination %	No. of days
									Start
Mar 9	11AM	Into 40°F. Mar 13 Into 35°F							
	0	Sample Check #1		(98	)(		)		0
Mar 9	11AM	0	Into 68°F germ						
" 13	8AM	4				4	4		1-4mm left
15	8AM	6	Most split			10	14		All left
16	8AM	7				1	15		" "
17		8				7	22		9 out
20	9AM	11				8	30		
21		12				4	34		10 out
22	8AM	13				1	35		
23	8AM					2	37		
25		16	36			5	42		
		Sample 1		(51	)(		)		8
Mar 17	9AM	0	Out start into 68°F 2 split			0	0		
20	9AM	3				2	2		to 6mm left
22	8AM	5				2	4		All left
24	10AM	7				4	8		" "
25	10AM	8	42			1	9		
30	8AM	13				3	12		
						(End)			
	0	Sample Check #1 (Cont'd.)							
Mar 30	8AM	8				5	47		4 out.
Apr 3		25				2	49		
" 4		26				2	51		
" 8	9AM	30				1	52		
						(End)			

Experiment Pp Idaho #14 Strat 35°F

Date 1972	Time of day	Germ. time (days)	Tips No.	Tips Cum.	Tips %	Germination No.	Germination Cum.	Germination %	No. of days
									Strat
		Sample 2		(59)		( )			16
Mar 25	10AM	0	out strat	Into 68°F germ		0	0	none split	
30		5				9	9	to 8mm all left	
31	9AM	6				3	12		
Apr. 3	9AM	9				2	14		
" 8	9AM	14	42			3	17		
							(End)		
		Sample 3		(85)		( )			30
April 8	9AM	0	out germ	several split		0	0		
" 10	8AM	2	many split			0	0		
11	8AM	3				1	1	2mm left	
12	8AM	4				5	6	All left	
13	8AM	5				8	14	to 15mm " "	
14	8AM	6	69			2	16		
15	8AM	7				7	23		
17	8AM	9				3	26		
							(End)		
		Sample 4		(100)		( )			45
April 24		0	Approx 50% split			0	0		
May 5		11				34	34		
		5		(79)		( )	(End)		56
May 5	8AM	0	out	30% split		0	0		
9	8AM	4				17	17	to 30mm	
22	2PM					4	21		
							(End)		

Experiment Pp #14 start 32°F (35°F)

Date 1972	Time of day	Germ. time (days)		Tips No.	Tips Cum.	Tips %	Germination No.	Germination Cum.	Germination %	No. of days
									22 30 26 78	
		Sample 6			(80)	( )				78
May 26	2PM	0	out start split, bulging (several)				0	0		
June 3	11:AM						15	15	to 15 mm all left	
June 20	11:30A						0	15		
							End			
		Sample 7			(96)	( )				103
June 20	11:30A	0	40% bulging				0	0		
" 21	9AM	1					2	2	2mm left	
22	9AM	2					3	5		
23	9AM	3					9	14	to 20 mm	
24	11AM	4					6	20	to 20 mm	
28		8	87	only 9 germ		Heating →	9			
							(End)			
		Sample 8			(115)	( )				114
July 3	9AM	0	20% bulging				0	0		
4	10AM	1					4	4		
5	10AM	2					10	14	to 5 mm	
6	10AM	3					5	19	to 10 mm	
7	9AM	4					3	22		
13	11AM	10		93			0	22		
							(End)			

Experiment Pp #14 Start 37°F (35°F)

Date 1972	Time of day	Germ. time (days)	No.	Tips Cum.	%	Germination No.	Cum.	%	No. of days
		Sample 9		(140)		( )			130
July 19	11AM	0				6	6	to 3mm left	
20	9AM	1				3	9	all left	
21	8AM	2				10	19	" "	
24	9AM	5				5	24	" "	
28	9AM	8				0	24	" " dying	
Aug 1	9AM	12				0	24		
				All died; prob. 6 or 8 would have grown under better aeration, H_2O				(End)	
		Sample 10		(119)		( )			146
Aug 4	9AM	0		Many bulging		9	9	to 7mm left	
7	9AM	3		Plus 12 germ to 13mm but		18	28	out	
9	10AM	5	91	died		0	28		
								(End)	
		Sample 11		(117)		( )			160
Aug 18	9AM	0		8 of these root tips ckd		16	16	to 3mm all left	
" 22	9AM	4				0	16		
25	11AM	7				1	17		
		12 - last.							
Sept 15	10AM			(680 X	)	(End)			
Sept 19	9AM					0	0		
				All dead 0%				(End)	