

Take samples
 (2) July 15: these seeds sorted out, weeded and put into 30°F strat May 5 3:30 PM. Remove from strat. and germinate July 5/70. Germinate 1/2 of sample on June 6 The other 1/2 (2) July 15/70
 Experiment Viability (1) Immature seed
 Collected July 1969 Jack Pierce Allot. Idaho

Date	Time of day	Sample	Germ. time (days)	Tips			Germination			Strat. No. of days
				No.	Cum.	%	No.	Cum.	%	
Lot 1	AI lots	Sample	Small black	(59)						
June 6	11:00 A	out	0							(After June 6 seed into 35°F strat (End))
9	9 AM	3	1	(43) 2	2		1	1		
10	2:30 P		2	13	with fungus		0	1		
11	10:30 A		3	0	2		0	1		
			4	0	2		0	1		
			5							
			6							
Lot 2		Sample	Large black	(50)						
June 6	11:00 A	out	0							(End)
9	9 AM	3	1	(23) 11	11		16	16		
10	2:30	4	2	0	11		1	17		
11	10:30 A		3	0	11		0	17		
			4							
			5							
			6							
Lot 3		Sample	Pink	(45)						
June 6		out	0							(End)
9	9 AM	3	1	(19) 8	8		18	18		
10	2:30 P		2	grow th more vigorous in Lot 2			2	20		
11	10:30 A		3	0	8		0	20		
			4	0	8		0	20		
			5							
			6							
Lot 4		Sample	Mill red	(108)						
June 6		out	0							(End)
9		3	1	(39) 34	34		25	25		
10	2:40	4	2	5	39		1	26		
11	10:30 A		3				2	28		
			4							
			5							
			6							

✓ see definitions on page 2 (1)

Experiment *Viability 'Immature' seed Pierce*

Date	Time of day	Germ. time (days)	Tips			Germination			No. of days
			No.	Cum.	%	No.	Cum.	%	
Lot 5		Sample <u>Purple-gray</u>		(64)					
June 6		0							
June 9	10:AM	3	(20)	18	18	26	26		
"	10 2:30P	4		3	21	3	29		
"	11 10:30A	5		0	21	0	29		

(End)

Lot 6 Sample Dregs *Silver Lake seed* ())

No record now. Take later when Pierce fully strat July 10-15?

Sample _____ ())

0

Experiment

Date	Time of day	Germ. time (days)	Tips			Germination			Strat. No. of days
			No.	Cum.	%	No.	Cum.	%	
Lot 5									
Lot 6	Sample	Mill Purple run gray	()	()			
June 6	out		0						
			1						
			2						
			3						
			4						
			5						
			6						
			7						
	Sample		()	()			
	out		0						
			1						
			2	1. Small black			Very immature seed. Black and shrivelled		
			3						
			4	2. Large black			Probably as in 1 above but a little more developed and larger		
			5						
			6						
			7						
	Sample		()	()			
	out		0	3. Pink			Red pigment in early stages of development in seed coat		
			1						
			2	4. Mill run					
			3	5. Purple-gray			Nearly ripe seed		
			4						
			5						
			6	6. (Mill run)?			This is Silver Lake No 2 seeds that passed through		
			7	Dregs			7 holes to the linear inch screen. Most of these seeds are fully ripe but small. The black seeds have been removed.		
	Sample		()	()			
	out		0						
			1						
			2						
			3						
			4						
			5						
			6						
			7						

Lot 6 Dregs

~~Lot 5~~
AAAAA

Experiment

Viability Pierce @ Silver Lake

D Neal

Date	Time of day	Germ. time (days)	Tips			Germination			No. of days
			No.	Cum.	%	No.	Cum.	%	
Pierce seed into 30°-40° strat May 5 1970									
Lot		Sample	1 Small black (62)						
July 20	2 PM	0	Several germinated						
21	3 PM	1			11	11		to 17 mm	
22	3 PM				0	11		18%	
(End)									
Lot		Sample	2 Large black (104)						
July 20	2 PM	0	Most germinated						to 25
21	3 PM	1			85	85		to 30 mm	
22	3 PM				9	94		90%	
(End)									
Lot		Sample	3 Pink (107) (106)						
July 20	2 PM	0	Most germinated						to 25 mm
21	3 PM	1			106	106		to 30 "	
(End)									
100%									

Experiment

Viability Pierce & Silver Lake Dam
Neal

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

Lot Sample 4 Millrun (200-300) wearts)
 July 20 2 PM 0 except small black } Practically 100% germination
 " 21 3 PM

(End)

Lot Sample 5 Purple (80) (80)
 July 20 2 PM 0 Gray } Practically 100% germ
 " 21 3 PM 80 80 100%

(End)

Silver Lake #2

Lot Sample 6 Dregs) ()
 0
 Small and other seeds after cleaning
 About 80% germination

(End)

Germination immature seed

Seed collected by Don Neal on Bass Hill near Janesville turn June 17 1970. Branch with "green" fruits on it brought to Berke.

Seeds excised June 19 7:30 A and germinated at 77°F & ^{then} 68°F

Pale pink color - pigment just forming

June 20 No growth yet 4 seeds (embryos)

24 noon 3 embryos growing 1 about normal 18mm long. 2 stunted but prob would grow in soil. ✓ 6/29 (End)

Intermediate

June 20

4 seeds No growth

24 noon All 4 growing 3-6mm

29 All growing. Could grow quite normally in sand

Dark purple - abundant pigment - seed ^{juicy} not hard yet

June 20

4 seeds All growing

24 noon Seedlings 30-60mm All healthy vigorous

(End)