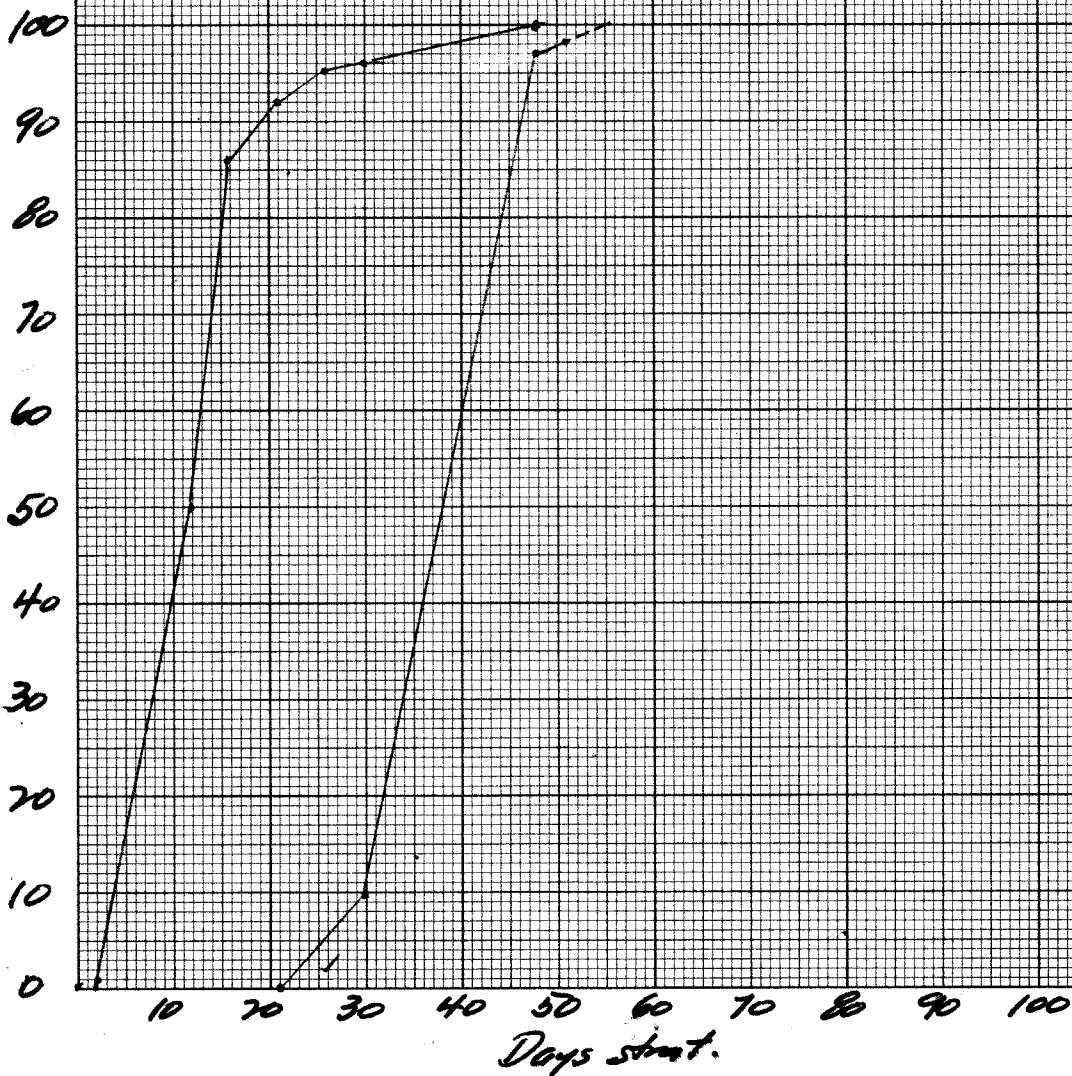


B74B

1974

Bitterbrush seed Strat 41°F Not gerated Ave knots Germ 68°F Hormay
Harper '74 Boise 75% viability " " 41°F Mar 20 1974
Jan - Mar 1974



Bitterbrush seed

Experiment Summary

Exp. **B 74 B** Treatment: **strat 40°F Cold Rm Stainless steel tub**
 Seed - source, name **Harper '74 Boise**

Treatment details

Date **1974** Soaked 17hrs + 3hrs = 20hrs Jan 29-30
 Jan 30 1:30 PM Into 40°F strat.

Germination record

Date	Sample No	Treatment (strat) No. of days	No. of seeds		Germination ^{1/}		Germination	
			Total	Viable	Tips Percents	: Complete Percents	in treatment Percent	
Jan 30	1:30P30 1	0	147	107	0	0	0	0
Febr 1	32 2	2	145	109	2	1	0	0
	11 42 3	12	140	105	53	50	0	0
	15 46 4	16	207	159 ^v	136	86	0	0
	20 51 5	21	259	183	168	92	0	0
	25 56 6	26	253	180	171	95	?	?
Mar 1	60 7	30	155	120	115	96	12	10
"	19 78 8	48	156	173	173	100	119	97
"	22 81 9	51	907	702	686 702	100	686	98
Total 4709			1937	1467	← 76%			

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

Stainless steel Tub.

Experiment

B74(B)

Start 40°F

Gold Em

Supply

Baise '74 Seed

75% viability

Date 1974	Time of day	Germ. time (days)	Tips			Germination			No. of days
			No.	Cum.	%	No.	Cum.	%	
Jan 29	3:00 PM								Start
" 30	8 AM								
" "	"	Sample (1)		(142)	(107)				(0)
Jan 30	1:30	30				0	0	0	
" 31	8 AM					0	0	142	
Febr 11	8 AM		12			1	1	0%	

(End)

Febr. 1	8 AM	Sample (2)		(145)	(109)				(2)
" 11	8 AM		10	(142)		3	3	-2 in 7 days	
								3	?

(End)

Soaked 30 minutes today

Febr 11	8 AM	Sample (3)		(140)	(105)				(12)
" 12	9 AM		1			6	6		to 2.5 mm lost
" 13			2			31	37		
" 14			3			5	42		
" 15	10 AM		4			10	43	126	?
" 19			8	(97)		16	53		
Febr. 27	11 AM		14			22	75	+ 51 split roots	
			75						
			51						
			139						

Soaked 30 minutes today
 14 ~~2~~ Dmt
 Color water → Muddy light amber pinkish. light foam

B74 (B)

Supply

Seed viability estimate for B74 Harper seed below

1974				PNT	Norm	Ab.	Gdd	Td	DT	Days
Febr 15	11:30A	0	(4)	207	(159V)	71V				(16)
20		5	(73)	36% tips			134			
21		6					2	12	$\frac{136}{159} = 86\%$	
22		7	(29)	those excised left	20					10 cleaning
25				23V	20		136	12		10
					20					
Febr 20	11 AM	0	(5)	(259)	(183V)	71V				(21)
21		1		35% tips						
22	8 AM	2	(66)	Most germ to 10 mm	155					38 cleaning
25	8 AM	5			17			168	$= 97\%$	5
27		6			1			183		1
				15V	190		168			44
Febr 25	3 PM	0	(6)	(253)	(180V)	71V				(26)
27	11 AM	2	(53)		154					46
28	8 AM	3			15					11
Mar 1	8 AM	4			2			171	$= 95\%$	
"	"			ION unat 9V	17		180			57 clean
"	"			End						16
Febr 26	3:30 PM	0	(7)	This sample dried tubes						(26)
				Into 68°F after drying - wet coat						
27	11 AM	1			5 out					
	3:30 PM				14 out					
28	9 AM	2			15					12 clean
Mar 1	9 AM	3			12					
Mar 4	9 AM	6	(113)		46					12
				Back street.	10					20
Mar 12	9 AM			8 days street.	56					32
14	8 AM			End	45					
					18	2				2 clean →
						+16 excise				
					18	63				34

