

Germination Pt embryos

Date	A	B [✓]
1966	Fully mature seed collected July 1 1966 1 mile W of Susanville	Seed in early red juice stage; pinkish in color. Collected July 1 1966 BMT Pt enclosure Excised July 7 8 AM Number 10
July 8 8 AM	Embryos excised Number (21)	
	Germination	Germination
	No %	No %
July 9 9 AM	21 100	July 9 9 slight 90 growth
	Roots up to 6 mm long.	July 10 9 definite 90 growth
	Hypocotyl and Cotyledons becoming pink colored. Glandular hairs forming on edges and lower back of cots and upper portion of hypocotyl.	July 17 9 90
Germination in Petri dishes in room 311 Stead Bldg Temp about 65°F		Description of nine seedlings
		No Description
		Hypo Root Cots
		1 1.0" ^{5/8"} _{hairs} green
		1 3/8" 1/4" " "
		1 3/16" 1/8" ^{slight} _{bulky}
		3 1/8" 1/16" dead
		2 < 1/16" → dead
		1 < 1/16" → Green
↓ These seeds lack about 2 weeks of reaching maturity.	Healthy vigorous growth	Embryo not developed sufficient for normal growth. Another week of development probably would produce normal seedling. Seed (Embryo) number 1 above is approaching this development stage.

Bitterbrush Germination

Seed collected Susanville July 1 1966

Stored at 41°F dry until July 28. Then soaked 24 hrs and start stratification at 41°F July 29 10 AM

Date	Total seeds →	Germination	No	Length Roots	Cum %	%
July 29 10 AM	64					
Aug 26 3:30 PM	63		19	1/16 to 5/8"	19	
Aug 29 8:00 AM		Healthy vigorous roots	38	to 1"	57	
Sept 6 8:0-11 AM		(6 seeds did not germinate but roots elongated substantially however not through buccellus layer)			57	

G13 159 Timber Mt Seed

Date	No	Cum %	%
Into strat 41°F July 8			
Out strat Aug 26	179	to 10" long	179
		Healthy vigorous roots	