

(AM)

Excised seed growth in water

Shady Pt Seed

Sunday
Sept 5 1943

	20 seeds Excised (air)	20 seeds Excised and placed (in water, 1/4" deep)	Nucellus layer left	Untreated seeds into 28°F	Seeds started soaking 40°F
Sept 4	✓				
Sept 5			✓	✓	
No of seeds					
Sept 6	Germinating	Germinating	No Ger.		
Sept 9	" "	" " "	Excised		
Sept 12	19 " "	17 " "	No Ger	Data 49	
	roots 1-1/4"	roots 1/2 to 1"	" "	Ger.	
Sept 13-5	Into 20 Citric acid solution				
Sept 19	No ger. No ger. water drained off	roots 2 1/2"	roots 1-1/4"	5 ger.	Some out of the into small glass. 40°F
Oct 3	also exp → seed thrown away				

1943 *Shasta* seed growth of embryos in

water Sept 5 1943

Treatment	Nb	ger	Roots
Embryos on filter paper	20	19	2-3 1/2" 15 days
" in 1/4" deep H ₂ O	20	17	1-2 1/2" "

Excised embryos grew in 1/4" depth of H₂O

" " some growth in 4" of H₂O

Important

Rootlet growth in water at 65°F

70°F