

Pine

Finished April 19/61

3%

Pine #A  
 (73) (28) (27) (32) (25) (149)

Hormey

	#1	#2	#3	#4	#5	#A
	5mi	10mi	20mi	40mi	24hrs	3000 4x2 days 7000 3% 1000
April 4 1961						
Apr 21 out						1hr 30mi
April 10 8AM	0	T	T	0	0	46 ger
17 8AM	0	1	1	0	0	2 48
17 8AM	0	0 1	1	2	3	5 53
19	0 0	1 2	0 1	0 2	0 3	6 59
	end	end	end	end	end	end

1%

Head seeds →

(41) (47) (65) (43) (206) (51) (46V)  
 #1 #2 #3 #4 #5 (Check stratified)

	#1	#2	#3	#4	#5	(51)	(46V)
	10hrs	40hrs	60hrs	5days	8hrs	6days	2hrs
March 29 8AM	started soaking						
March 29 8AM	out						
March 30 8AM		out					
March 31			out				
April 3 5PM				out			
April 4 10AM					out		
April 7 9AM							out
April 10	4	5	4	0		9	20
" 17 9AM	0	0	5	2		17 26	17 37
" 14 noon				2 4		10 36	1 38
" 17 8AM	1 5	2 7	3 8	1 5		7 43	5 43
" 19	1 6	0 7	3 11	0 5		4 47	
	end	end	end	end		end	end

Pine  
Shot in 41°F started Febr 9/61 Plastic bag

and Side cut off March 14. By Mar 27 none germinated All decayed  
and Excised embryos " " 8; 3 showed sign of growth by Mar 27  
and 20 seed scarified " " 2 germinated by Mar 27  
Stratified cracked seed 17; 7 germinated by Mar 27 2 empty 3 decayed  
" " seed (chunk) 17 seed; 9 germinated by Mar 27; 4 decayed, empty  
{ Soaked 7 days Mar 14-21, 41 seeds; 5 germinated by Mar 27  
{ Cracked 9 ger by April 4 end

# A Soaked 7 days then into 3% Thio for 1 hour 30 min on  
Mar 21  
(cumulative) 18 germinate by April 4  
27 " " "

Note!

May 15 1961

*Conium maculatum* (New Mexico)  
treated with Thiourea in ? 1960 or earlier  
Wetted and into Petri dish March 10, 1961  
120 seeds

Germination by May 15 1961	94 seeds
Excised April and May (prior 15 <sup>th</sup> )	10 " all viable
Ungerminated	16 " " "
	<hr/>
	120

Germination Regular and gradual a few at a time from March 10 to April 25. Thereafter very slow

Very high quality seed - 95% plus viability.

Thiourea selectiveness not known. No untreated seeds for check.