

# Exp P

Effect water level on germ stratified seed

Exp P 1970

Seed treated in Feb lab @ 70°F ±

Sus Sum Seed

	Check	Water depth					
	0"	1/32"	1/16"	1/8"	1/4"	3.0"	
	(a)	(b)	(c)	(d)	(e)	(f)	
	Filter paper	25%	50%	100%	1/4"	3.0"	
	Amount seed covered (depth)						
No seeds	(25)	(25)	(75)	(75)	(25)	(29)	
		Germination %					
Feb 2	←	Into treatments					→
4:10 PM							
Feb 5	100	96	96	96	80	← 3 days	
Feb 6						Into	
" 13						0 All died glassy, segmented	
					7 days	→	

# Exp. P Effect of water level on germination of stratified seed @ 10% Jossun Seal

Lab table

1970		Water levels				
		Damp paper (a)	Seed (b)	Seed (c)	Seed (d)	Seed (e)
		1/4 submerged	1/2 submerged	Just covered	1/4 covered	
		No. Cum. %	No. Cum. %	No. Cum. %	No. Cum. %	No. Cum. %
		(25)	(25)	(25)	(25)	(25)
		Germination				
		Into dishes @ H <sub>2</sub> O				
Date						
Febr 2	4:10 PM					
Febr 3	12 noon	Growth	Growth	Growth	No growth	No growth
Febr 4	11:00 AM	25 germinated	23 germinated	20 germ	24 germ	13 germ
		6-15 mm	1-8 mm	2-12 mm	2-7 mm	1-5 mm
Febr 5		2 no germ.	5 no germ	1 no germ	12 no germ	
		All growing normally	24 growing	24 growing	24 growing	20 growing
		12-18 mm Ave 15 mm	5-15 mm Ave 10	5-15 mm Ave 10	3-10 mm Ave 8	3-10 Ave 4 mm
Febr 6		Radicals	Radicals	Radicals	Radicals	Radicals
		ave 25 mm	ave 15 mm	ave 15 mm	ave 12 mm	ave 7 mm
		100%	96%	96%	96%	80%

Date	Time	Observations	No. Cum. %	%	Notes
Febr 6	3:15 P	Started	29		7 days in Lab table
7	10:30 A	No growth	0	0	3" H <sub>2</sub> O in lab.
10	10:30 A		1	1	
11	11:30 A		1	2	27 excised for viability, 2/13 1970
12	12: noon		0	2	
13	12: noon		0	2	and these 2
23	11:00 AM	Left in dish for germ			All excised, abnormal dead or will die. Glassy stunted segmental

(End)