

73.24

Finished

Loss materials with soaking

3 samples

Weight

- 1 Dry seed 24hrs blowers ✓ Dry base
- ~~Soak 24hrs 6hrs 24~~ ✓
- 2 Soak 6hrs 18hrs 48 ✓ Saturated
- 3 Dry seed 48hrs

Scheduled into soak and out soak

6hrs Dec 20 2:30P — Dec 20 8:30PM (home 108 Mont.)
 18hrs " " " — Dec 21 8:30 AM
 48hrs " " " — Dec 22 2:30 PM

- 1-3 = Material's lost with soaking
- 2-1 = Increase wt water absorption
- = Starting (base) dry weight
- () = Saturated weight

Soak seed in flasks

Date

Weights

6hrs soak

18hrs

48hrs

Tray = 1.74 Tray = 1.70 Tray = 1.64

T+S Seed T+S Seed T+S Seed

Date	6hrs soak	18hrs	48hrs	Notes
Dec 20 10:30 AM	32.50	31.86	32.38	
" 11:30 "	32.73	31.58	32.14	Seed out of 29°F for drying to base → wt underlined
1:30 PM	32.03	31.41	31.93	Base? Base? Base?
2:30 PM	31.97	31.32	31.84	30.23 29.62 30.20 ← All samples still seed intact
Dec 21 8:30 AM	(41.68)	(56.68)	—	Partly dried into further drying
" 2 PM	30.33	29.99	—	Saturated 29.00 drying
" 22 9 AM	29.22	27.93	(56.74)	Saturated 3.00 drying
10 AM	29.21	27.92	46.08	
Dec 31 1:30 PM	29.00	27.75	25.15	
Jan 4 9 AM (1973)	28.92	27.67	25.07	
5 " "	28.62	27.41	24.80	73.16 77%
" 8 9 AM "	28.60	27.40	24.82	

Decrease dry wt % → 11 13 23

Loss materials with soaking

	Soaking time (hrs)		Soaking time (hrs)		Soaking time (hrs)	
	6 hrs	18 hrs	48 hrs	100	100	100
Wt dry seed (grams)	30.73	29.62	30.70	100	100	100
Wt soaked seed (")	41.68	56.68	56.74	Partly dried		
Increase in wt (grams)	11.45	27.06	26.54			
" " " (%)	38	91%	88%			
Wt dried soaked seed	26.88	25.71	23.16	89	87	77
Decrease dry wt grams	3.35	3.91	7.04			
" " " (%)	11	13	23			
Rate loss per hour/grams	0.56	0.22	0.15			

The dry weight of The seed decreases about 11 percent in 6 hours of soaking and 23 percent in 48 hours of soaking respectively because of solution of materials out of the seed.

With 6 hours of soaking The dry weight of The seed decreased about 11 percent and with 48 hours about 23 percent because of solution of materials. The bulk of This material was The gelatinous substance.