

33° to 85°F

Petri dishes

KCB

Check daily to get start of germination. Take 50 seed sample on June 3

(Seed)

Modoc Growth Stratification Page I  
Petri dishes

Exp AA  
Tabulated

Date	Days	493		679		555		526		756		746		787		833		110 seed	112 seed	
		Ger %	Ger %	Ger %	Ger %	Ger %	Ger %	Ger %	Ger %	Ger %	Ger %	Ger %	Ger %	Ger %	Ger %	Ger %	Ger %	Ger %	Ger %	
		33°	36°	45°	52°	55°	61°	66°	72°	80°	85°									
		203	143	180	190	137	134 seeds	127 seeds	128 seeds	140 seeds	112 seeds									
May 20	0	started																		
May 23	3	0	0	0	0	0	0	0	0	0	0	10-1/2	6-3/4	2-3/16	0	0	0	0	0	
May 24	4	0	0	0	0	0	0	0	0	0	12-1/32	14-1/4	6-1/4	4-1/4	0	0	0	0	0	
May 25	5	0	0	0	0	0	0	0	0	0	7-1/5	32	8	6	6	5	0	0	0	
"	7	0	0	0	0	0	0	1	1	58	44	45	34	8	6	7	6	1	1	0
"	9	0	0	0	0	2	1	4	2	86	65	46	34	11	9	7	6	1	1	0
"	11	0	0	0	0	4	2	9	5	99	75	48	36	22	17	8	7	1	1	0
June 3	14	0	0	0	0	4	2	14	7	104	79	56	42	39	31	18	15	1	1	0
"	16	0	0	0	0	5	3	14	7	104	79	134	7	6	35	2	72	1	1	1
"	18	0	0	0	0	5	3	17	9	106	80	6	85	6	75	3	83	1	1	1
Calculated		926	1389	1176	995	833	927	1075	Following seeds											
Germinated to date		108	72	85	105	120	105	93	86											
June 9	20	0	0	0	0	3	3	9	9	96	80	53	51	44	53	28	32	3	2	4
"	12	0	0	0	0	3	3	10	10	96	80	53	51	54	58	31	36	7	5	8
"	21	0	0	8 1/8	0	4	5	11	10	97	81	57	54	60	64	38	44	9	6	10
"	23	0	0	14 1/8	0	4	6	13	12	97	81	57	54	60	64	38	44	11	8	13
"	26	0	0	10 1/4	0	4	5	13	12	97	81	57	54	60	64	38	44	13	9	16
July 5	46	0	0	37	51	4	5	14	13	98	82	57	54	60	64	39	45	15	11	23
July 11	52	0	0	51	71	4	5	14	13	98	82	57	54	60	64	39	45	18	13	27
"	13	54	0	54	75													20	14	27
"	14	55	0	54	75													20	14	28
"	15	56	0	54	75													22	16	33
"	17	58	0	59	82			16	15									24	17	33
"	19	60	0	60	83													24	17	33
"	22	63	0	62	86	4	5											24	17	35
"	24	65	75	68	94	5	6			99	82							24	17	35
Aug 15	87	85	79	71	99	10	12	19	18	99	82	58	55	60	64	4	29	25	18	35
Aug 19	91	85	79	(end)														(end)		
Aug 21	93	0																		
Aug 23	95																			
Aug 28	100																			
Aug 31	103																			
Sept 29	107																			

These % based on these numbers

all end on this page

Growth started @  $\frac{1}{32}$  -  $\frac{1}{16}$ "

Jan 16/66  
Hormony

Exp AA Growth in strat May 1944  
1944

		Strat. temperatures									
<u>Days</u>		33	36	45	52	55	61	66	77	80	85
<u>Strat</u>		(203)	(143)	(180)	(190)	(137)	(134)	(127)	(120)	(140)	(112)
		Germination % and growth started									
May 20	0										
	3					%	$\frac{1}{32}$	$\frac{3}{16}$	$\frac{3}{16}$	0	0
	4					$\frac{1}{32}$	9	10	5	3	0
	7				$\frac{1}{32}$	1	44	34	6	6	$\frac{1}{32}$ 1
	9			$\frac{1}{32}$	1	2	65	34	9	6	1
	25		$\frac{1}{32}$	2	3	10	80	51	61	38	5
	52	$\frac{1}{32}$	1	71	5	13	82	54	64	45	13
	60			83	5	16	82	55	64	46	17
	87			79	99	12	18	82	55	64	47
	91			99	(end)						(end)
	100			(end)		19	24	82	55	64	49
	103					20	29	82	55	64	50
				(end)	(end)	(end)	(end)	(end)	(end)	(end)	(end)

14 1/2