

Effect of Germination temp on Cor. of strat

seed Exp G-46

April 3/46

strat

Herman

Germination Pt at various temps 48°F to 170°F

Seed acrated 33°F Feb 21/46 to April

Days ↓	Hrs. Date	146	169	173	160	170	150	150	135 (81%)	155 (81%)	130 (81%)	104
		(164) (177)	(140V)	(136V)	(131V)	(122V)	(102V)	(122V)	(190V)	(126V)	(105V)	(104)
		48V	55	61	70V	93	80	82	90	93	98	119
		327				27	83	87	93	98	120	
	April 2 4:30 PM	← into temps →										
17	April 3 9:30 AM	T	1/4	1/32	1/6	1/8	1/8	5/32	1/8	1/32	1/32	1/32
24	" 3 4 PM	3/16	T	1/32	1/6	1/8	3/16	20	3/16	20	1/4	8
40	" 4 8 AM	101	3/8	20	4/32	85	5/32	95	3/16	100	3/8	93
67	" 5 11 AM	107	3/4	92	3/16	132	3/8	107	5/16	116	3/4	115
	" 8 9 "	111	60	111	3/4	129	1"	136	15	116	15	97
	" 9 "	15	GS	117	1"	end	end	139	149	150	97	97
		38	NG	end	end	131	end	end	end	end	end	end
		164	end			end	end	end	end	end	end	end

G = germinated
 S = started
 V = Vigorous
 NG = No good

opt growth
 vigor health

Good growth opt.
 Growth not opt. decline

Seedling growth healthy

apply %

This temp stops all ger. and growth

April 4 109 and 110 are killed

Note April 4. 81°F mat growth 1" as 1/4 This temp too high for normal growth 83 also too high (border line)