

PLANTING DATE BASED ON SPRING TEMPERATURES

The decision of when to plant soybeans is often based on the safest early date to avoid cold injury to emerging seedlings. Go to the [National Oceanic and Atmospheric Administration](http://www.noaa.gov) site and find the probable last spring frost or freeze date for your town or the one nearest you. The following table contains these dates for Mississippi cities.

The table gives important combinations of data for producers who desire to plant early. The estimated dates of the last spring frost (36°) and freeze (32°) at the 90%, 50%, and 10% probability levels are the most important data to consider. The probability levels are the probability of a later date in the spring for each temperature than indicated in the table. That is, at the 90% probability level, a later date than the one shown for each temperature is expected to occur in 9 years out of 10; at the 50% probability level, a later date than the one shown for each temperature is expected to occur in 5 years out of 10; at the 10% probability level, a later date than the one shown for each temperature is expected to occur in only 1 year out of 10. Thus, the 10% date is the least risky when trying to determine a planting date that will likely avoid cold-temperature injury to emerging seedlings. Remember, soybeans will usually take 7 to 10 days or longer to emerge when planted early, so this extra time should be factored into a projected planting date to avoid a spring cold event that may damage emerging seedlings. As a producer, you must decide the level of risk you are willing to take when considering the earliest safe planting date in relation to air temperature.

Freeze / Frost Occurrence Data for Mississippi

All probabilities in whole percent. See notes at end of table for probability level description.

– Indicates the probability of occurrence of threshold temperature is less than indicated probability.

Station Name	T h r e s h o l d (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			P L e v e l (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
ABERDEEN	36	Mar26	Apr10	Apr25	Oct09	Oct26	Nov12	218	198	178	21
	32	Mar09	Mar26	Apr13	Oct21	Nov06	Nov21	247	224	201	14
	28	Feb09	Mar02	Mar24	Nov04	Nov18	Dec03	287	260	234	8
BATESVILLE 2 SW	36	Apr03	Apr14	Apr25	Oct01	Oct15	Oct29	197	183	169	27
	32	Mar20	Apr02	Apr16	Oct10	Oct27	Nov13	225	207	188	21
	28	Mar02	Mar20	Apr08	Oct24	Nov09	Nov25	257	233	209	13
BELZONI	36	Mar12	Mar28	Apr12	Oct13	Oct31	Nov19	241	217	192	18
	32	Feb14	Mar10	Apr04	Oct27	Nov14	Dec02	275	248	221	12
	28	Jan25	Feb18	Mar14	Nov07	Nov28	Dec19	317	283	248	6
BILOXI	36	Feb14	Mar08	Mar30	Nov03	Nov24	Dec16	287	261	234	7
	32	Jan30	Feb23	Mar19	Nov12	Dec10	Jan07	321	287	256	4
	28	Dec29	Feb03	Mar04	Nov25	Dec31	Feb16	>365	327	284	1
BOONEVILLE	36	Mar28	Apr11	Apr24	Oct05	Oct23	Nov09	216	194	173	26
	32	Mar18	Apr01	Apr14	Oct19	Nov04	Nov20	238	216	194	18
	28	Feb27	Mar15	Mar31	Nov03	Nov20	Dec08	272	249	227	12

BROOKHAVEN CITY	36	Mar23	Apr05	Apr18	Oct12	Oct26	Nov10	221	204	186	19
	32	Mar01	Mar21	Apr10	Oct24	Nov09	Nov25	260	232	204	13
	28	Feb06	Mar01	Mar25	Nov07	Nov25	Dec13	300	268	237	7
CALHOUN CITY 2 NW	36	Apr02	Apr15	Apr27	Oct04	Oct16	Oct27	198	183	168	24
	32	Mar25	Apr05	Apr15	Oct12	Oct29	Nov14	227	206	185	17
	28	Mar03	Mar20	Apr06	Oct24	Nov09	Nov25	255	233	211	11
CANTON 4 N	36	Mar20	Apr04	Apr19	Oct07	Oct25	Nov12	227	203	180	21
	32	Mar06	Mar24	Apr11	Oct20	Nov06	Nov23	253	226	199	14
	28	Feb07	Mar03	Mar26	Nov01	Nov20	Dec08	292	261	231	9
CARTHAGE 3 SW	36	Mar26	Apr08	Apr21	Oct06	Oct21	Nov05	215	195	175	23
	32	Mar14	Mar29	Apr13	Oct16	Nov02	Nov20	240	218	195	17
	28	Feb21	Mar09	Mar26	Oct28	Nov16	Dec05	280	251	222	10
CHARLESTON 1 N	36	Mar30	Apr10	Apr21	Oct06	Oct21	Nov05	212	193	175	24
	32	Mar17	Mar31	Apr13	Oct17	Nov02	Nov17	237	215	194	17
	28	Feb17	Mar10	Apr01	Oct31	Nov17	Dec04	276	251	225	11
CLARKSDALE	36	Mar16	Mar30	Apr13	Oct17	Nov01	Nov16	236	216	195	21
	32	Feb21	Mar14	Apr04	Oct26	Nov12	Nov29	269	242	215	14
	28	Jan31	Feb25	Mar21	Nov09	Nov28	Dec18	306	276	246	8
COLLINS	36	Mar17	Mar31	Apr15	Oct14	Oct30	Nov16	234	212	191	16
	32	Mar02	Mar20	Apr07	Oct26	Nov11	Nov27	261	235	210	11
	28	Feb06	Feb27	Mar20	Nov07	Nov26	Dec16	302	272	241	6
COLUMBIA	36	Mar11	Mar28	Apr14	Oct16	Nov02	Nov20	244	218	192	15
	32	Feb23	Mar13	Mar31	Oct30	Nov16	Dec03	271	248	224	10
	28	Feb04	Feb24	Mar17	Nov02	Dec01	Dec31	308	277	249	5
CORINTH CITY	36	Apr01	Apr14	Apr27	Oct01	Oct14	Oct27	198	182	166	25
	32	Mar24	Apr06	Apr19	Oct08	Oct26	Nov14	224	203	181	19
	28	Mar05	Mar20	Apr03	Oct23	Nov07	Nov21	252	231	211	12
CRYSTAL SPRINGS EXP STN	36	Mar12	Mar29	Apr15	Oct17	Nov04	Nov22	246	220	193	14
	32	Feb17	Mar13	Apr07	Oct28	Nov19	Dec12	282	250	219	8
	28	Jan17	Feb16	Mar18	Nov04	Dec01	Dec28	327	287	247	4
D LO 2 SW	36	Mar24	Apr08	Apr22	Oct06	Oct20	Nov02	211	194	177	23
	32	Mar16	Mar30	Apr13	Oct11	Oct30	Nov17	234	213	192	18
	28	Feb21	Mar09	Mar24	Oct27	Nov13	Dec01	275	249	223	11
EUPORA 2 E	36	Mar31	Apr12	Apr23	Oct02	Oct15	Oct28	200	185	170	23
	32	Mar24	Apr05	Apr18	Oct07	Oct24	Nov11	222	201	181	17
	28	Mar04	Mar22	Apr08	Oct25	Nov11	Nov28	260	233	207	11
FOREST 3 S	36	Mar31	Apr12	Apr24	Oct05	Oct18	Oct30	204	188	172	21
	32	Mar15	Mar31	Apr15	Oct18	Nov01	Nov15	235	215	195	15
	28	Feb24	Mar14	Mar31	Nov01	Nov16	Dec02	269	247	226	9
FULTON 3 W	36	Apr01	Apr17	May03	Oct01	Oct14	Oct26	198	179	160	24
	32	Mar24	Apr08	Apr24	Oct06	Oct24	Nov12	224	198	173	17
	28	Mar05	Mar22	Apr08	Oct22	Nov10	Nov29	259	232	205	11
GREENVILLE	36	Mar10	Mar27	Apr13	Oct18	Nov02	Nov18	243	220	196	18
	32	Feb19	Mar09	Mar27	Oct29	Nov17	Dec05	278	252	226	11
	28	Feb04	Feb24	Mar15	Nov07	Nov28	Dec18	304	276	249	6
GREENWOOD LEFLORE AP	36	Mar14	Apr01	Apr19	Oct10	Oct31	Nov21	241	212	184	19
	32	Feb22	Mar18	Apr12	Oct19	Nov14	Dec09	283	240	196	12
	28	Jan25	Feb27	Mar24	Oct31	Nov25	Dec26	>365	270	232	7
GRENADA 5 NNE	36	Mar31	Apr11	Apr21	Oct06	Oct19	Nov01	206	191	175	25
	32	Mar17	Apr02	Apr17	Oct12	Oct31	Nov18	234	211	189	18
	28	Feb21	Mar12	Mar31	Oct26	Nov16	Dec08	280	249	217	11

GULFPORT NAVAL CENTER	36 32 28	Feb18 Jan30 Jan06	Mar10 Feb21 Feb05	Mar30 Mar16 Mar05	Oct31 Nov08 Nov23	Nov21 Dec07 Dec24	Dec11 Jan05 Jan28	279 317 >365	255 288 319	231 259 282	8 4 2
HATTIESBURG 5 SW	36 32 28	Mar15 Feb21 Feb02	Mar29 Mar12 Feb21	Apr11 Mar31 Mar11	Oct16 Nov05 Nov07	Nov03 Nov19 Dec07	Nov21 Dec03 Jan06	243 274 320	218 251 286	194 228 256	16 10 5
HERNANDO 5 S	36 32 28	Mar25 Mar13 Feb22	Apr07 Mar28 Mar11	Apr19 Apr12 Mar28	Oct12 Oct22 Oct31	Oct27 Nov04 Nov18	Nov11 Nov17 Dec07	223 240 276	202 220 252	182 200 227	21 15 10
HICKORY FLAT	36 32 28	Apr05 Mar28 Mar16	Apr17 Apr11 Mar29	Apr29 Apr25 Apr11	Sep29 Oct05 Oct23	Oct12 Oct22 Nov06	Oct24 Nov08 Nov19	192 212 240	177 194 221	162 176 202	25 19 12
HOLLY SPRINGS 4 N	36 32 28	Apr06 Mar28 Mar15	Apr18 Apr09 Mar28	Apr29 Apr21 Apr11	Sep29 Oct05 Oct17	Oct11 Oct21 Nov02	Oct23 Nov05 Nov17	192 211 238	176 194 218	160 176 197	29 22 15
HOUSTON	36 32 28	Apr05 Mar24 Mar03	Apr17 Apr07 Mar21	Apr29 Apr20 Apr08	Oct04 Oct07 Oct18	Oct13 Oct25 Nov05	Oct23 Nov12 Nov22	194 219 252	179 200 228	163 182 203	26 19 13
INDEPENDENCE 1 W	36 32 28	Mar27 Mar19 Feb27	Apr11 Apr02 Mar18	Apr25 Apr16 Apr06	Oct04 Oct15 Oct23	Oct16 Oct30 Nov10	Oct27 Nov14 Nov27	204 232 265	187 210 235	171 188 206	26 20 13
JACKSON THOMPSON AP	36 32 28	Mar22 Mar07 Feb04	Apr05 Mar23 Feb27	Apr18 Apr08 Mar21	Oct11 Oct23 Nov07	Oct29 Nov09 Nov23	Nov16 Nov26 Dec10	226 254 297	206 230 269	187 207 241	18 13 7
KIPLING 3 NW	36 32 28	Apr03 Mar25 Mar04	Apr16 Apr05 Mar21	Apr29 Apr16 Apr06	Oct04 Oct10 Oct27	Oct15 Oct26 Nov13	Oct27 Nov11 Nov30	199 219 263	182 203 237	165 188 211	23 16 10
KOSCIUSKO	36 32 28	Mar28 Mar10 Feb17	Apr10 Mar28 Mar11	Apr23 Apr15 Apr02	Oct03 Oct19 Nov03	Oct18 Nov03 Nov18	Nov01 Nov18 Dec04	209 242 280	190 219 251	171 196 223	25 18 11
LAUREL	36 32 28	Mar16 Feb26 Feb01	Mar30 Mar12 Feb21	Apr13 Mar27 Mar13	Oct18 Oct29 Nov09	Nov03 Nov15 Nov29	Nov18 Dec03 Dec19	235 270 309	217 247 280	198 225 252	18 12 7
LEXINGTON 2 NNW	36 32 28	Apr01 Mar22 Feb28	Apr13 Apr05 Mar19	Apr25 Apr19 Apr07	Oct05 Oct12 Oct29	Oct18 Oct30 Nov14	Oct31 Nov16 Nov29	200 230 265	187 207 239	174 183 212	22 16 10
LIBERTY 5 W	36 32 28	Mar21 Mar03 Feb13	Apr04 Mar21 Mar06	Apr18 Apr09 Mar27	Oct08 Oct27 Nov02	Oct27 Nov10 Nov19	Nov16 Nov25 Dec07	227 256 290	205 233 258	184 210 226	20 14 8
LOUISVILLE	36 32 28	Mar26 Mar16 Feb19	Apr06 Mar31 Mar09	Apr18 Apr14 Mar27	Oct12 Oct28 Nov03	Oct28 Nov11 Nov20	Nov13 Nov25 Dec07	226 247 279	204 225 255	182 203 230	21 15 9
MCCOMB PIKE CO AP	36 32 28	Mar17 Mar01 Feb01	Apr01 Mar18 Feb25	Apr16 Apr04 Mar21	Oct18 Oct29 Oct31	Nov03 Nov16 Nov30	Nov18 Dec04 Dec29	237 265 310	215 242 274	192 220 241	16 10 5
MEADVILLE	36 32 28	Mar17 Feb26 Feb03	Apr02 Mar20 Feb26	Apr19 Apr10 Mar21	Oct13 Oct28 Nov08	Oct30 Nov15 Nov29	Nov16 Dec02 Dec20	236 266 308	210 239 275	183 212 242	17 12 6
MERIDIAN KEY AP	36 32 28	Mar24 Mar04 Feb07	Apr06 Mar23 Feb28	Apr20 Apr11 Mar22	Oct10 Oct23 Nov08	Oct25 Nov07 Nov27	Nov10 Nov23 Dec16	219 253 300	201 228 271	183 203 242	19 13 7

MINTER CITY 2 SE	36 32 28	Mar16 Feb19 Feb02	Mar30 Mar12 Feb23	Apr14 Apr02 Mar15	Oct19 Oct26 Nov05	Nov03 Nov14 Nov25	Nov17 Dec02 Dec15	237 279 302	217 246 274	197 213 247	20 13 8
MONTICELLO	36 32 28	Mar15 Mar07 Feb05	Mar31 Mar24 Feb26	Apr16 Apr11 Mar19	Oct08 Oct19 Oct29	Oct26 Nov08 Nov20	Nov13 Nov28 Dec11	236 260 301	208 228 266	180 196 230	20 14 8
MOORHEAD	36 32 28	Mar17 Feb23 Feb03	Mar31 Mar15 Feb26	Apr15 Apr04 Mar21	Oct20 Oct28 Nov07	Nov04 Nov17 Nov26	Nov19 Dec07 Dec16	239 275 300	217 246 272	195 217 244	17 11 6
NATCHEZ	36 32 28	Mar08 Feb17 Jan28	Mar27 Mar07 Feb19	Apr16 Mar25 Mar14	Oct20 Oct31 Nov16	Nov07 Nov18 Dec04	Nov25 Dec05 Dec22	256 281 312	224 255 287	192 229 261	13 8 4
NEWTON EXP STN	36 32 28	Mar30 Mar12 Feb16	Apr11 Mar28 Mar08	Apr22 Apr12 Mar28	Oct05 Oct17 Oct30	Oct20 Nov01 Nov18	Nov03 Nov16 Dec06	209 240 283	191 218 254	173 195 225	22 16 10
OAKLEY EXP STA	36 32 28	Mar22 Mar05 Feb12	Apr05 Mar23 Mar05	Apr19 Apr10 Mar25	Oct09 Oct21 Nov01	Oct23 Nov06 Nov18	Nov07 Nov23 Dec06	217 256 285	201 228 258	184 200 231	20 14 8
PASCAGOULA 3 NE	36 32 28	Feb20 Feb05 Jan17	Mar12 Feb26 Feb11	Apr01 Mar19 Mar07	Oct28 Nov10 Nov21	Nov22 Dec04 Dec22	Dec18 Dec29 Jan23	292 311 350	255 281 310	218 250 279	10 6 3
PELAHATCHIE	36 32 28	Mar27 Mar14 Feb18	Apr09 Mar29 Mar07	Apr21 Apr13 Mar24	Oct06 Oct17 Nov03	Oct19 Nov03 Nov18	Oct31 Nov19 Dec02	206 238 275	192 218 255	178 198 234	20 13 8
PHILADELPHIA 1 WSW	36 32 28	Mar22 Mar09 Feb13	Apr06 Mar25 Mar05	Apr20 Apr10 Mar25	Oct07 Oct20 Nov03	Oct22 Nov06 Nov19	Nov07 Nov23 Dec06	215 250 285	199 225 259	183 200 232	22 15 9
PICAYUNE	36 32 28	Mar06 Feb17 Jan18	Mar24 Mar09 Feb13	Apr11 Mar28 Mar11	Oct17 Oct29 Nov09	Nov04 Nov21 Dec08	Nov22 Dec13 Jan06	251 284 341	224 256 295	197 228 259	14 9 4
PICKENS	36 32 28	Mar30 Mar07 Feb19	Apr11 Mar27 Mar12	Apr24 Apr15 Apr03	Oct04 Oct15 Oct25	Oct17 Oct31 Nov14	Oct30 Nov17 Dec03	205 244 274	188 218 246	170 192 218	23 16 11
PONTOTOC EXP STN	36 32 28	Mar29 Mar17 Feb25	Apr11 Apr02 Mar15	Apr23 Apr19 Apr02	Oct05 Oct18 Oct29	Oct21 Nov04 Nov16	Nov05 Nov22 Dec03	212 239 274	192 215 245	173 191 216	25 18 11
POPLARVILLE EXP STN	36 32 28	Mar03 Feb16 Jan26	Mar23 Mar06 Feb20	Apr11 Mar24 Mar16	Oct22 Oct31 Nov11	Nov09 Nov22 Dec07	Nov27 Dec13 Jan03	257 290 325	231 260 290	205 230 255	12 7 4
PORT GIBSON 3 NE	36 32 28	Mar21 Mar05 Feb10	Apr04 Mar23 Mar01	Apr18 Apr09 Mar20	Oct07 Oct21 Nov04	Oct26 Nov07 Nov20	Nov13 Nov23 Dec05	228 256 290	204 228 263	180 200 236	21 15 9
QUITMAN 1 N	36 32 28	Mar28 Feb24 Feb05	Apr10 Mar25 Mar07	Apr23 Apr21 Apr03	Oct01 Oct10 Oct29	Oct21 Nov06 Nov22	Nov10 Dec06 Dec22	218 283 >365	193 225 256	169 181 218	21 15 9
RICHTON 3 SSE	36 32 28	Mar28 Mar12 Feb17	Apr09 Mar27 Mar11	Apr20 Apr11 Apr01	Oct06 Oct17 Nov02	Oct20 Nov03 Nov22	Nov02 Nov19 Dec11	210 241 283	193 220 255	177 198 227	21 15 9
RIPLEY	36 32 28	Apr03 Mar27 Mar12	Apr16 Apr08 Mar26	Apr29 Apr19 Apr08	Oct04 Oct11 Oct26	Oct16 Oct28 Nov07	Oct29 Nov15 Nov20	200 222 247	183 203 226	165 184 205	29 22 15

ROLLING FORK	36 32 28	Mar15 Feb22 Feb07	Mar29 Mar15 Feb28	Apr12 Apr05 Mar21	Oct12 Oct28 Nov04	Oct31 Nov12 Nov24	Nov20 Nov27 Dec14	240 269 299	216 241 269	192 214 238	20 13 7
SAUCIER EXP FOREST	36 32 28	Feb28 Feb06 Jan20	Mar18 Mar01 Feb16	Apr06 Mar24 Mar14	Oct28 Nov04 Nov20	Nov13 Nov26 Dec17	Nov29 Dec17 Jan13	265 300 336	238 269 299	212 238 271	10 6 3
STATE UNIVERSITY	36 32 28	Mar26 Mar05 Feb12	Apr07 Mar24 Mar06	Apr20 Apr12 Mar28	Oct08 Oct24 Nov04	Oct24 Nov08 Nov21	Nov09 Nov23 Dec08	217 256 289	199 228 260	180 201 230	21 15 9
STONEVILLE EXP STN	36 32 28	Mar12 Feb19 Jan30	Mar28 Mar11 Feb21	Apr13 Mar31 Mar15	Oct14 Oct26 Nov08	Oct31 Nov12 Nov28	Nov17 Nov30 Dec19	239 277 309	216 246 280	193 214 251	19 13 7
TUNICA 2	36 32 28	Mar21 Mar06 Feb10	Apr03 Mar22 Mar05	Apr17 Apr07 Mar27	Oct10 Oct24 Nov01	Oct24 Nov09 Nov20	Nov07 Nov25 Dec10	222 258 291	203 231 260	185 204 229	22 15 9
TUPELO RGNL AP	36 32 28	Apr01 Mar19 Feb23	Apr16 Apr05 Mar17	May02 Apr22 Apr08	Oct03 Oct09 Oct21	Oct20 Oct28 Nov13	Nov06 Nov16 Dec07	213 236 278	186 205 240	158 175 203	24 18 11
TYLERTOWN 2 WNW	36 32 28	Mar16 Mar03 Feb05	Apr01 Mar21 Feb26	Apr16 Apr08 Mar20	Oct18 Oct31 Nov11	Nov04 Nov16 Dec02	Nov21 Dec03 Dec23	240 264 306	217 240 278	194 215 250	14 9 5
UNIVERSITY	36 32 28	Apr07 Mar29 Mar14	Apr24 Apr11 Mar29	May10 Apr25 Apr12	Sep28 Oct04 Oct16	Oct10 Oct20 Nov03	Oct22 Nov05 Nov21	193 213 238	169 191 219	144 169 199	27 21 14
VICKSBURG MILITARY PARK	36 32 28	Mar15 Feb28 Feb07	Mar30 Mar20 Mar01	Apr14 Apr08 Mar23	Oct17 Oct28 Nov10	Nov06 Nov16 Nov29	Nov25 Dec04 Dec18	248 268 304	220 240 273	192 212 242	16 11 6
WATER VALLEY 1 NNE	36 32 28	Apr03 Mar26 Mar03	Apr14 Apr06 Mar21	Apr25 Apr18 Apr08	Oct05 Oct14 Oct25	Oct18 Oct30 Nov11	Nov01 Nov16 Nov28	198 224 259	186 206 234	175 188 210	28 21 14
WAYNESBORO 2 W	36 32 28	Mar28 Mar12 Feb21	Apr11 Mar27 Mar10	Apr24 Apr11 Mar27	Oct05 Oct11 Oct27	Oct19 Oct29 Nov17	Nov03 Nov15 Dec07	211 236 279	191 215 251	171 194 222	20 14 8
WIGGINS	36 32 28	Mar08 Feb12 Jan27	Mar23 Mar09 Feb22	Apr08 Apr03 Mar19	Oct24 Nov05 Nov11	Nov08 Nov21 Dec07	Nov23 Dec07 Jan02	250 286 323	229 256 286	208 226 252	14 9 4
WINONA 5 E	36 32 28	Apr04 Mar28 Mar10	Apr16 Apr08 Mar26	Apr28 Apr20 Apr10	Oct03 Oct09 Oct25	Oct14 Oct26 Nov08	Oct25 Nov11 Nov22	197 220 249	181 200 226	165 179 204	29 23 15
WOODVILLE 4 ESE	36 32 28	Mar05 Feb13 Jan24	Mar24 Mar05 Feb16	Apr12 Mar25 Mar12	Oct26 Nov02 Nov18	Nov11 Nov21 Dec07	Nov27 Dec09 Dec26	254 287 321	231 260 293	208 232 266	12 8 4
YAZOO CITY 5 NNE	36 32 28	Mar17 Feb22 Feb01	Mar31 Mar16 Feb25	Apr15 Apr07 Mar21	Oct17 Oct30 Nov06	Nov03 Nov14 Nov30	Nov20 Nov30 Dec24	240 272 313	216 243 277	192 213 241	17 11 6

1. Probability of later date in spring (thru Jul 31) than indicated. 2. Probability of earlier date in fall (beginning Aug 1) than indicated. 3. Probability of longer than indicated freeze free period. 4. Probability of Freeze/Frost in the yearly period (percent of days with temperatures at or below the threshold temperature).