



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. Click [here](#) to access the probable last spring frost or freeze date for locations in U.S. states. Click [here](#) for these dates for Arkansas, Louisiana, Missouri, and Tennessee that are listed as Reference Items in this posting. The below table contains these dates for Mississippi locations.

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.

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Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.

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

State And Station Name	Thresh old (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			P r o b a b i l i t y (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Mississippi											
ABERDEEN	36 32 28	Mar26 Mar09 Feb09	Apr10 Mar26 Mar02	Apr25 Apr13 Mar24	Oct09 Oct21 Nov04	Oct26 Nov06 Nov18	Nov12 Nov21 Dec03	218 247 287	198 224 260	178 201 234	21 14 8
BATESVILLE 2 SW	36 32 28	Apr03 Mar20 Mar02	Apr14 Apr02 Mar20	Apr25 Apr16 Apr08	Oct01 Oct10 Oct24	Oct15 Oct27 Nov09	Oct29 Nov13 Nov25	197 225 257	183 207 233	169 188 209	27 21 13
BELZONI	36 32 28	Mar12 Feb14 Jan25	Mar28 Mar10 Feb18	Apr12 Apr04 Mar14	Oct13 Oct27 Nov07	Oct31 Nov14 Nov28	Nov19 Dec02 Dec19	241 275 317	217 248 283	192 221 248	18 12 6
BILOXI	36 32 28	Feb14 Jan30 Dec29	Mar08 Feb23 Feb03	Mar30 Mar19 Mar04	Nov03 Nov12 Nov25	Nov24 Dec10 Dec31	Dec16 Jan07 Feb16	287 321 >365	261 287 327	234 256 284	7 4 1
BOONEVILLE	36 32 28	Mar28 Mar18 Feb27	Apr11 Apr01 Mar15	Apr24 Apr14 Mar31	Oct05 Oct19 Nov03	Oct23 Nov04 Nov20	Nov09 Nov20 Dec08	216 238 272	194 216 249	173 194 227	26 18 12
BROOKHAVEN CITY	36 32 28	Mar23 Mar01 Feb06	Apr05 Mar21 Mar01	Apr18 Apr10 Mar25	Oct12 Oct24 Nov07	Oct26 Nov09 Nov25	Nov10 Nov25 Dec13	221 260 300	204 232 268	186 204 237	19 13 7
CALHOUN CITY 2 NW	36 32 28	Apr02 Mar25 Mar03	Apr15 Apr05 Mar20	Apr27 Apr15 Apr06	Oct04 Oct12 Oct24	Oct16 Oct29 Nov09	Oct27 Nov14 Nov25	198 227 255	183 206 233	168 185 211	24 17 11
CANTON 4 N	36 32 28	Mar20 Mar06 Feb07	Apr04 Mar24 Mar03	Apr19 Apr11 Mar26	Oct07 Oct20 Nov01	Oct25 Nov06 Nov20	Nov12 Nov23 Dec08	227 253 292	203 226 261	180 199 231	21 14 9
CARTHAGE 3 SW	36 32 28	Mar26 Mar14 Feb21	Apr08 Mar29 Mar09	Apr21 Apr13 Mar26	Oct06 Oct16 Oct28	Oct21 Nov02 Nov16	Nov05 Nov20 Dec05	215 240 280	195 218 251	175 195 222	23 17 10
CHARLESTON 1 N	36 32 28	Mar30 Mar17 Feb17	Apr10 Mar31 Mar10	Apr21 Apr13 Apr01	Oct06 Oct17 Oct31	Oct21 Nov02 Nov17	Nov05 Nov17 Dec04	212 237 276	193 215 251	175 194 225	24 17 11
CLARKSDALE	36 32 28	Mar16 Feb21 Jan31	Mar30 Mar14 Feb25	Apr13 Apr04 Mar21	Oct17 Oct26 Nov09	Nov01 Nov12 Nov28	Nov16 Nov29 Dec18	236 269 306	216 242 276	195 215 246	21 14 8
COLLINS	36 32 28	Mar17 Mar02 Feb06	Mar31 Mar20 Feb27	Apr15 Apr07 Mar20	Oct14 Oct26 Nov07	Oct30 Nov11 Nov26	Nov16 Nov27 Dec16	234 261 302	212 235 272	191 210 241	16 11 6
COLUMBIA	36 32 28	Mar11 Feb23 Feb04	Mar28 Mar13 Feb24	Apr14 Mar31 Mar17	Oct16 Oct30 Nov02	Nov02 Nov16 Dec01	Nov20 Dec03 Dec31	244 271 308	218 248 277	192 224 249	15 10 5
CORINTH CITY	36 32 28	Apr01 Mar24 Mar05	Apr14 Apr06 Mar20	Apr27 Apr19 Apr03	Oct01 Oct08 Oct23	Oct14 Oct26 Nov07	Oct27 Nov14 Nov21	198 224 252	182 203 231	166 181 211	25 19 12

CRYSTAL SPRINGS EXP STN	36 32 28	Mar12 Feb17 Jan17	Mar29 Mar13 Feb16	Apr15 Apr07 Mar18	Oct17 Oct28 Nov04	Nov04 Nov19 Dec01	Nov22 Dec12 Dec28	246 282 327	220 250 287	193 219 247	14 8 4
D LO 2 SW	36 32 28	Mar24 Mar16 Feb21	Apr08 Mar30 Mar09	Apr22 Apr13 Mar24	Oct06 Oct11 Oct27	Oct20 Oct30 Nov13	Nov02 Nov17 Dec01	211 234 275	194 213 249	177 192 223	23 18 11
EUPORA 2 E	36 32 28	Mar31 Mar24 Mar04	Apr12 Apr05 Mar22	Apr23 Apr18 Apr08	Oct02 Oct07 Oct25	Oct15 Oct24 Nov11	Oct28 Nov11 Nov28	200 222 260	185 201 233	170 181 207	23 17 11
FOREST 3 S	36 32 28	Mar31 Mar15 Feb24	Apr12 Mar31 Mar14	Apr24 Apr15 Mar31	Oct05 Oct18 Nov01	Oct18 Nov01 Nov16	Oct30 Nov15 Dec02	204 235 269	188 215 247	172 195 226	21 15 9
FULTON 3 W	36 32 28	Apr01 Mar24 Mar05	Apr17 Apr08 Mar22	May03 Apr24 Apr08	Oct01 Oct06 Oct22	Oct14 Oct24 Nov10	Oct26 Nov12 Nov29	198 224 259	179 198 232	160 173 205	24 17 11
GREENVILLE	36 32 28	Mar10 Feb19 Feb04	Mar27 Mar09 Feb24	Apr13 Mar27 Mar15	Oct18 Oct29 Nov07	Nov02 Nov17 Nov28	Nov18 Dec05 Dec18	243 278 304	220 252 276	196 226 249	18 11 6
GREENWOOD LEFLORE AP	36 32 28	Mar14 Feb22 Jan25	Apr01 Mar18 Feb27	Apr19 Apr12 Mar24	Oct10 Oct19 Oct31	Oct31 Nov14 Nov25	Nov21 Dec09 Dec26	241 283 >365	212 240 270	184 196 232	19 12 7
GRENADA 5 NNE	36 32 28	Mar31 Mar17 Feb21	Apr11 Apr02 Mar12	Apr21 Apr17 Mar31	Oct06 Oct12 Oct26	Oct19 Oct31 Nov16	Nov01 Nov18 Dec08	206 234 280	191 211 249	175 189 217	25 18 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

Notes:

- (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).