

Forecast temperatures and predicted planting conditions at Dumas, TX.

Date	Day	High	Low	% Chance Prec.	DD60s/d	5-d Total DD60s	Planting Conditions Based on DD60s	Comments
5/15/2023	M	71	47	5	0	26	Good	Do not plant; overnight low could cause chilling injury &/or seedling death
5/16/2023	T	82	54	10	8	29	Good	Monitor soil temps closely; be aware of upcoming rainfall
5/17/2023	W	81	57	50	9	25.5	Good	Monitor soil temps closely; be aware of upcoming rainfall
5/18/2023	Th	80	56	50	8	22.5	Marginal	Monitor soil temps closely; be aware of upcoming rainfall
5/19/2023	F	71	51	60	1	22.5	Marginal	Monitor soil temps closely; be aware of upcoming rainfall
5/20/2023	Sat	74	52	15	3	29	Good	Monitor soil temps closely; be aware of upcoming rainfall
5/21/2023	Sun	75	54	50	4.5			
5/22/2023	M	76	56	25	6			
5/23/2023	T	81	55	35	8			
5/24/2023	W	78	57	50	7.5			

Forecast temperatures and predicted planting conditions at Panhandle, TX.

Date	Day	High	Low	% Chance Prec.	DD60s/d	5-d Total DD60s	Planting Conditions Based on DD60s	Comments
5/15/2023	M	71	50	15	0.5	32.5	Good	Monitor soil temps closely; be aware of upcoming rainfall
5/16/2023	T	82	57	10	9.5	36	Good	Monitor soil temps closely; be aware of upcoming rainfall
5/17/2023	W	81	59	50	10	32	Good	Monitor soil temps closely; be aware of upcoming rainfall
5/18/2023	Th	80	59	40	9.5	28.5	Good	Monitor soil temps closely; be aware of upcoming rainfall
5/19/2023	F	73	53	60	3	28.5	Good	Monitor soil temps closely; be aware of upcoming rainfall
5/20/2023	Sat	74	54	10	4	34.5	Good	Monitor soil temps closely; be aware of upcoming rainfall
5/21/2023	Sun	75	56	50	5.5			
5/22/2023	M	75	58	25	6.5			
5/23/2023	T	80	59	25	9.5			
5/24/2023	W	78	60	45	9			

Forecast temperatures and predicted planting conditions at Spearman, TX.

Date	Day	High	Low	% Chance Prec.	DD60s/d	5-d Total DD60s	Planting Conditions Based on DD60s	Comments
5/15/2023	M	71	48	15	0	28.5	Good	Do not plant; overnight low could cause chilling injury &/or seedling death
5/16/2023	T	82	55	10	8.5	32.5	Good	Monitor soil temps closely; be aware of upcoming rainfall
5/17/2023	W	82	59	25	10.5	29.5	Good	Monitor soil temps closely; be aware of upcoming rainfall
5/18/2023	Th	79	58	55	8.5	26.5	Good	Monitor soil temps closely; be aware of upcoming rainfall
5/19/2023	F	71	51	60	1	27	Good	Monitor soil temps closely; be aware of upcoming rainfall
5/20/2023	Sat	75	53	10	4	35	Good	Monitor soil temps closely; be aware of upcoming rainfall
5/21/2023	Sun	76	55	45	5.5			
5/22/2023	M	77	58	25	7.5			
5/23/2023	T	81	57	30	9			
5/24/2023	W	79	59	40	9			

Forecasts from www.wunderground.com; conditions and comments do not take into account local soil moisture or soil temps.

According to TAMU's "Soil Temperatures for Cotton Planting"

(<http://cotton.tamu.edu/General%20Production/scs-2005-17%20Soil%20Temp.pdf>), soil temperatures

in the seed and root zone should exceed 60oF and the 5-day forecast for the daytime maximum

air temperature should exceed 80oF. Additionally, nighttime minimum air temperature should be

forecast to be above 50oF for the following 5 days.

Compiled by Ken Legé, Ph.D., PhytoGen Cotton Development Specialist

806-773-7310; ken.lege@phytogen.com

As of 10:00 am, 5/15/23

NOTE: 95F max used for DD60 calculations

Predictive DD60 Accumulation for Five Days Following Planting	Outlook for Planting
<10	Very poor
11 – 15	Poor
16 – 25	Marginal
26 – 50	Good
>51	Very good