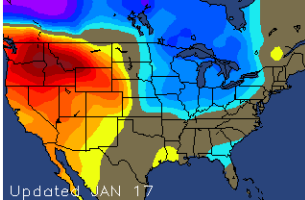


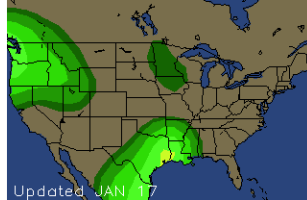
### Weather Headlines

- ▶ The Midwest is warmer the next few days and the East Coast warmer late week than forecast Friday.
- ▶ Most of the southern U.S. is colder late this week through the early part of the 11-15 than forecast Friday.

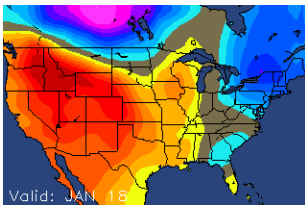
#### Yesterday's Temp Anomalies



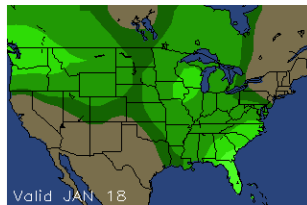
#### Yesterday's Precip



#### Today's Temp Anomalies



#### Today's Precip



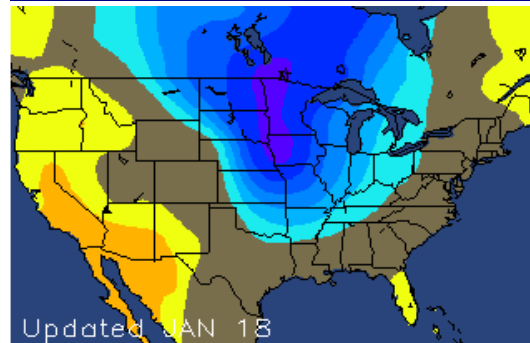
### Forecast Discussion

Warmer air will build across the Midwest today and East Coast tomorrow with above normal temperatures expected in most areas for a couple of days. Strong cold building across Canada will begin to spread southward across the Plains tomorrow though, and is expected to overspread most of the eastern half of the country by late this week. Widespread much below normal temperatures are expected to prevail late this week into the upcoming weekend before moderating somewhat next week. Overall, this first half of this week is coming in warmer than forecast on Friday across the Midwest, with the eastern U.S. coming in warmer than forecast on Friday during the second half of this week. At the same time, the Plains look colder than forecast Friday. Above normal temperatures are still expected to prevail across the West this week, but not to the extent forecast on Friday.

In addition to the large swings in temperatures this week, the pattern will also be fairly stormy. A coastal storm will bring rain and snow to the East Coast tonight through early Wednesday with a new storm expected to bring snow to the central U.S. on Thursday and eastern U.S. on Friday as the stronger cold moves in.

The forecast for next week is coming in about as forecast on Friday with below normal temperatures expected to persist across the East while the West stays mostly at or above normal. However, as was the case last week, model solutions vary widely, so confidence remains somewhat low. Most guidance does bring at least some additional cold into the East though, so odds are fairly good that temperatures will average below normal, but the intensity of the cold is highly uncertain as is the westward extent of the cold.

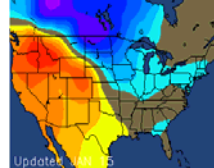
### 2-5 Day Forecast (Tue 1/18 to Fri 1/21)



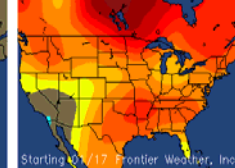
#### Summary

PWA:	-3.5
Prev:	-2.4
Chng:	-1.1
LY:	7.0
5YR:	1.6

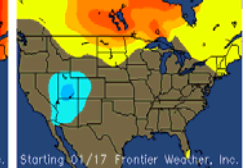
#### Previous Fcst



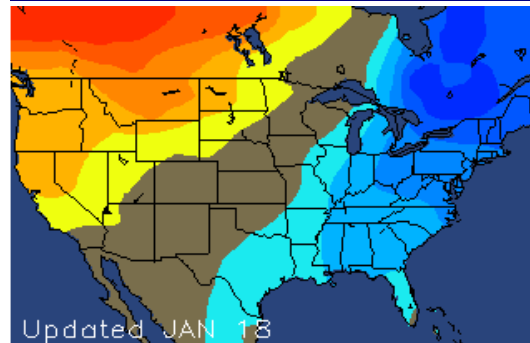
#### Anomaly Last Year



#### 5 Yr Avg Anomaly



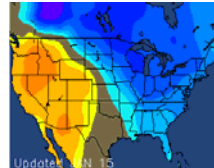
### 6-10 Day Forecast (Sat 1/22 to Wed 1/26)



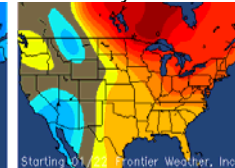
#### Summary

PWA:	-5.5
Prev:	-6.0
Chng:	0.5
LY:	7.2
5YR:	1.4

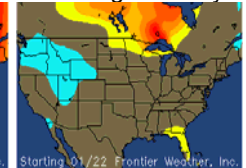
#### Previous Fcst



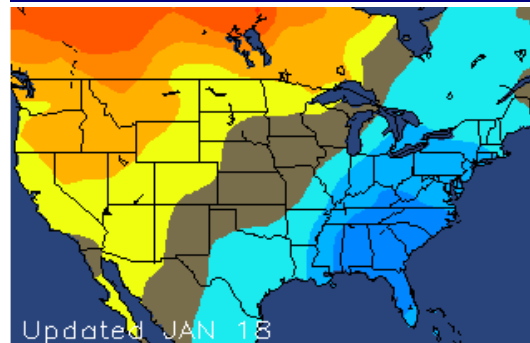
#### Anomaly Last Year



#### 5 Yr Avg Anomaly



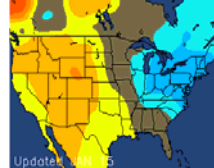
### 11-15 Day Forecast (Thu 1/27 to Mon 1/31)



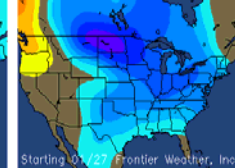
#### Summary

PWA:	-4.6
Prev:	-3.4
Chng:	-1.2
LY:	-3.2
5YR:	0.6

#### Previous Fcst



#### Anomaly Last Year



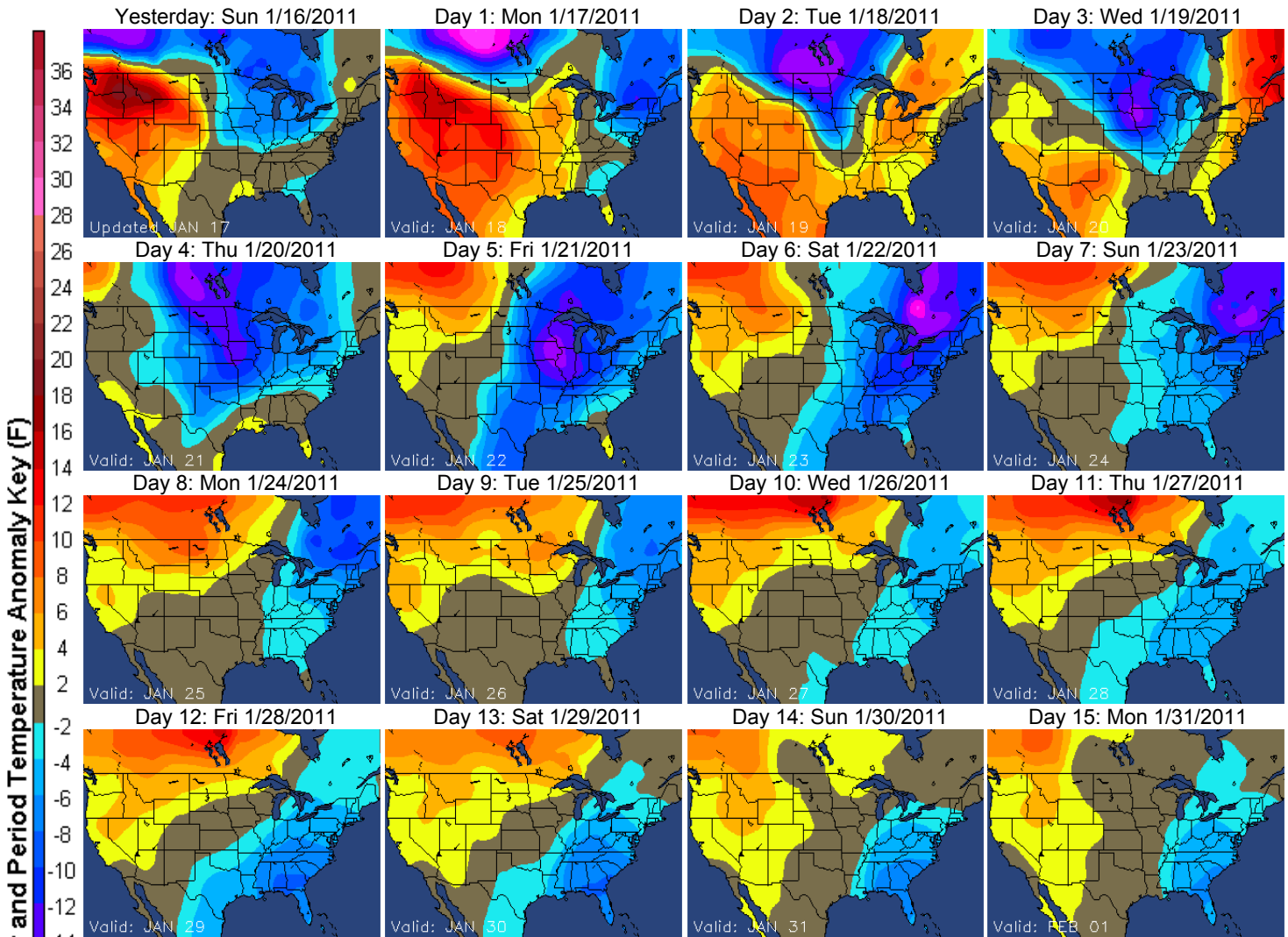
#### 5 Yr Avg Anomaly



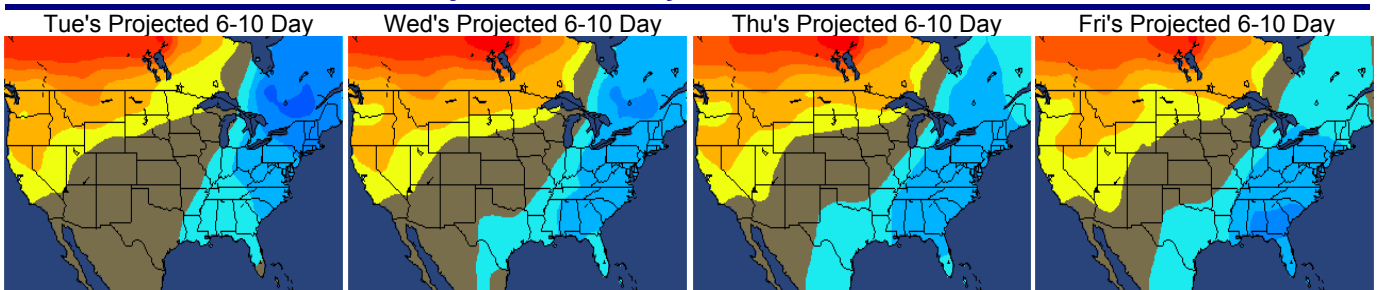
#### Daily and Period Temperature Anomaly Key (F)



### Daily Temperature Anomaly Outlook (2 Deg F Intervals)



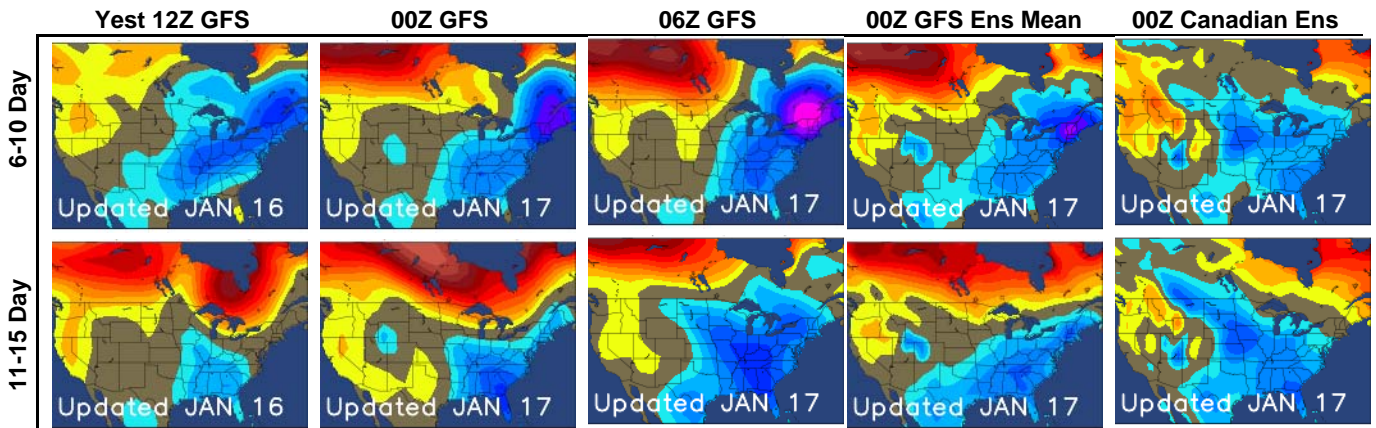
### Projected 6-10 Day Forecast Evolution



Daily and Period Temperature Anomaly Key (F)

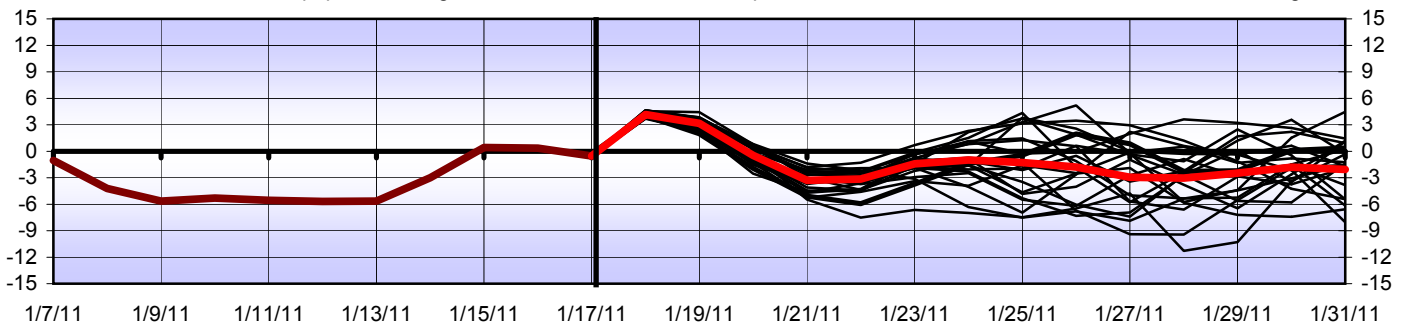


### Forecast Model Comparison

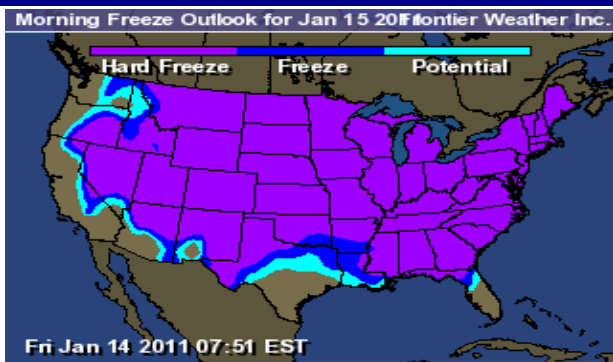


### 10 Day Observed U.S. Population Weighted Temperature Anomalies and 15 Day Ensemble Forecast

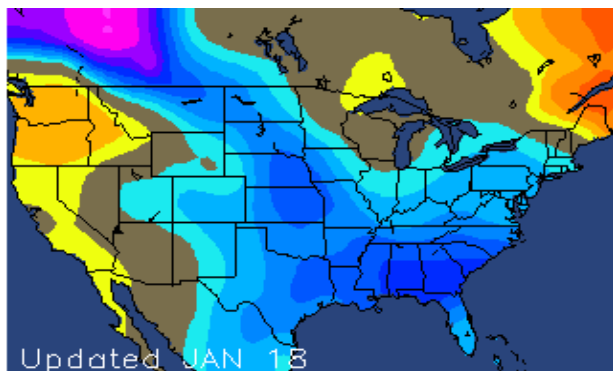
Forecast lines are U.S. population weighted anomalies from 00Z GFS operational and ensembles. Red line is the forecast average.



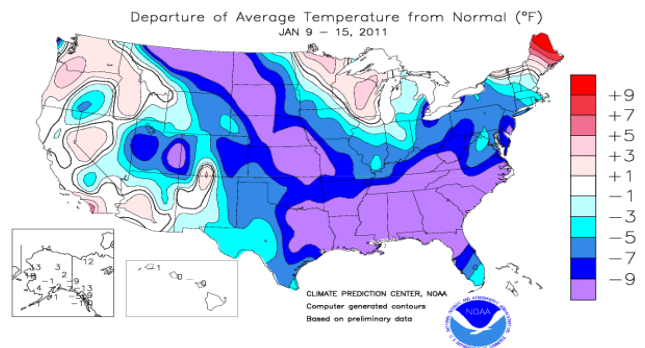
### Tomorrow's Freeze Outlook



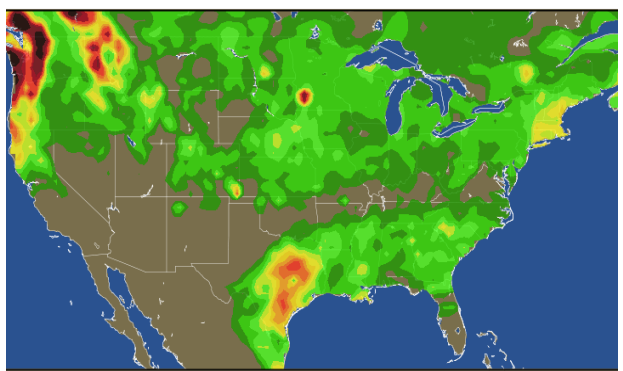
Observed Temperature Anomalies Last 7 Days



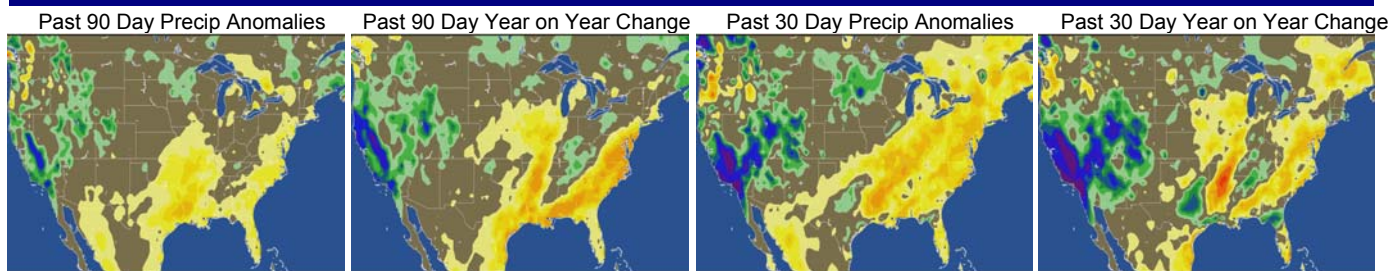
### Last Week's Temps



Observed U.S. Precipitation Totals Last 7 Days

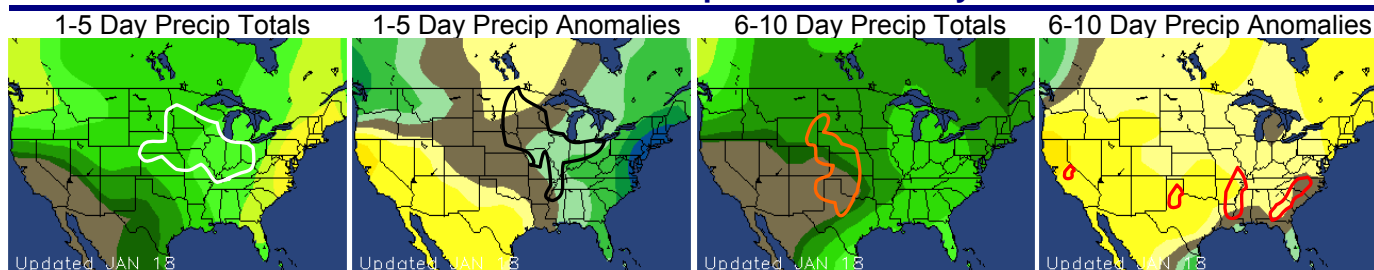


### Past 90 and 30 Day U.S. Precipitation Trends



Above precip maps do not include observed precipitation during the day yesterday.

### U.S. Forecast Precipitation Summary

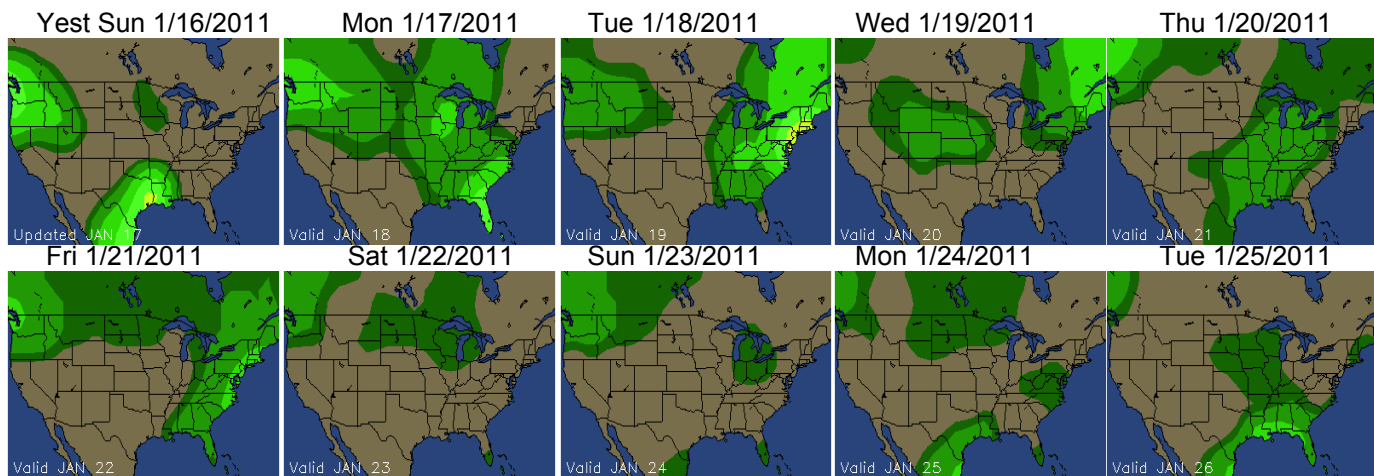


Major corn areas outlined.

Major soybean areas outlined.

Major wheat areas outlined.

Major cotton areas outlined.



Forecast Precip Totals (inches)

Forecast Precip Anomalies (inches)

0.05 0.1 0.25 0.5 0.75 1 1.5 2 3

-1 -0.75 -0.5 -0.25 -0.1 0.1 0.25 0.5 0.75 1

### Next 7 Day Temperature & Precipitation Forecast Data

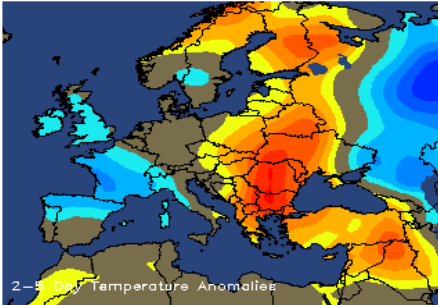
Region	Avg Hi/Lo*	Hi/Lo Anom	Highest**	Lowest**	Fcst Precip	Norm Precip	Precip Anom
Western Corn Belt	23°F/14°F	-8/+3F	43°F	2°F	0.46"	0.22"	+0.24"
Eastern Corn Belt	27°F/18°F	-5/+1F	43°F	6°F	0.47"	0.46"	+0.01"
Western Soybeans	20°F/12°F	-9/+3F	43°F	-2°F	0.45"	0.22"	+0.23"
Eastern Soybeans	29°F/20°F	-5/+2F	63°F	8°F	0.47"	0.51"	-0.04"
Northern Wheat Belt	36°F/17°F	-1/+4F	46°F	7°F	0.29"	0.1"	+0.19"
Southern Wheat Belt	46°F/25°F	0/+3F	78°F	15°F	0.28"	0.18"	+0.1"
Western SE Cotton	52°F/37°F	-2/+2F	75°F	22°F	0.32"	1.2"	-0.88"
Eastern SE Cotton	53°F/31°F	-4/-4F	70°F	20°F	0.36"	0.96"	-0.6"
Florida Citrus	73°F/53°F	-1/+3F	76°F	47°F	0.13"	0.56"	-0.43"

\*Avg Hi/Lo are the average forecast high and low temperatures for the next 7 days averaged over all cities in a region.

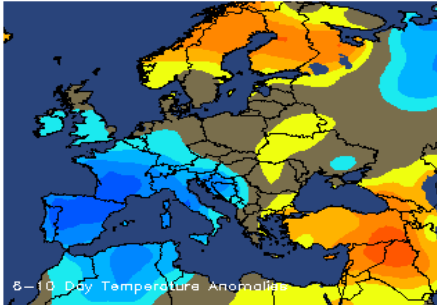
\*\*Highest and lowest forecast temperature is the absolute highest and lowest forecast temperature out of all cities in a given ag region

### Europe Weather Summary

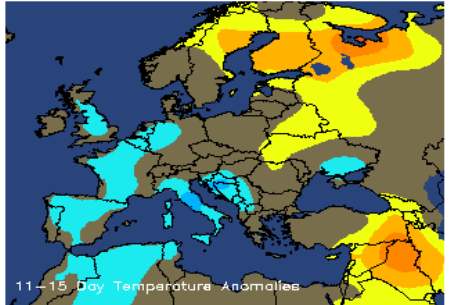
2-5 Day Forecast Temp Anomalies



6-10 Day Forecast Temp Anomalies

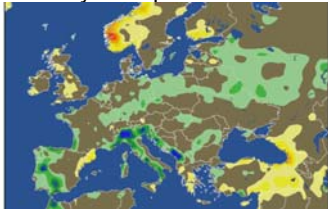


11-15 Day Forecast Temp Anomalies



#### Past 30 and 90 Day Precipitation Trends

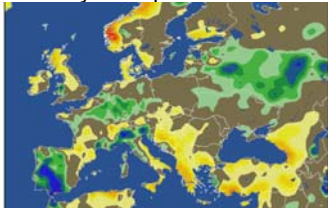
30 Day Precip Anomalies



30 Day Year on Year Change



90 Day Precip Anomalies

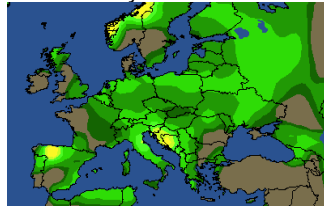


90 Day Year on Year Change

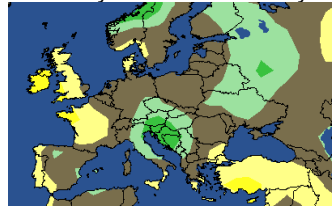


#### Forecast Precipitation Trends

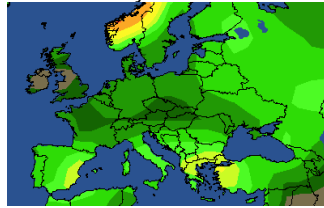
2-5 Day Forecast Totals



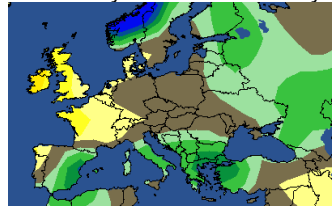
2-5 Day Forecast Anomaly



6-10 Day Forecast Totals

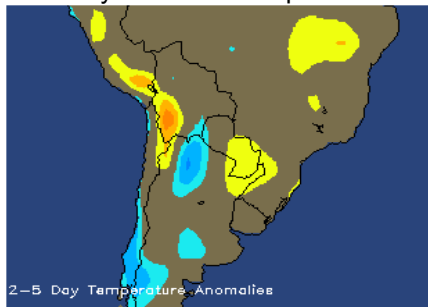


6-10 Day Forecast Anomaly

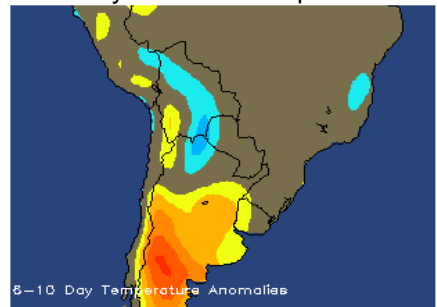


### South America Weather Summary

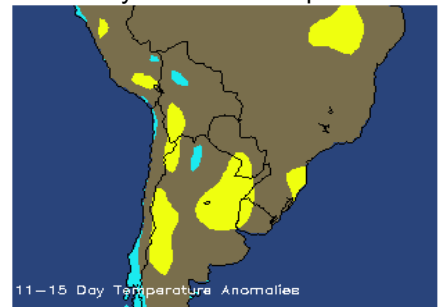
2-5 Day Forecast Temp Anomalies



6-10 Day Forecast Temp Anomalies

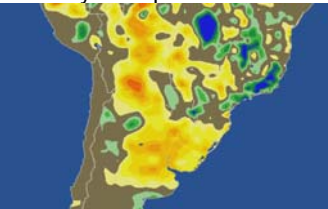


11-15 Day Forecast Temp Anomalies

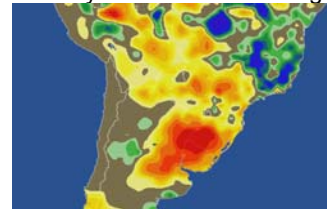


#### Past 30 and 90 Day Precipitation Trends

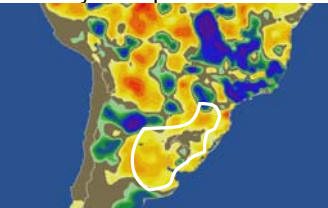
30 Day Precip Anomalies



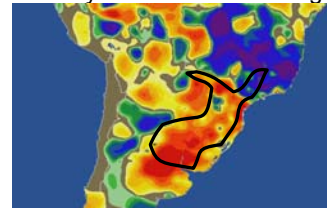
30 Day Year on Year Change



90 Day Precip Anomalies

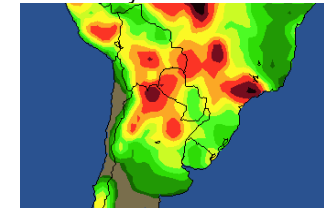


90 Day Year on Year Change

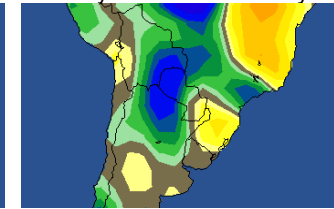


#### Forecast Precipitation Trends

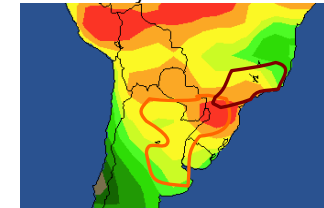
2-5 Day Forecast Totals



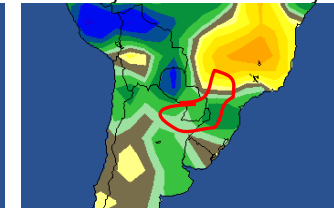
2-5 Day Forecast Anomaly



6-10 Day Forecast Totals



6-10 Day Forecast Anomaly



Major corn areas outlined.

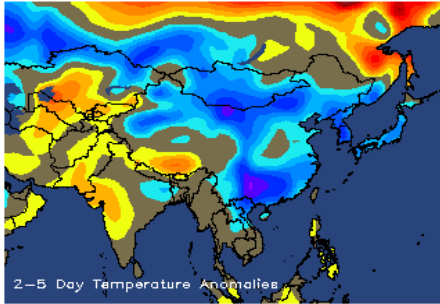
Major soybean areas outlined.

Major wheat & coffee areas.

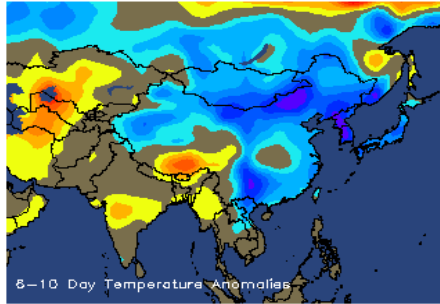
Major cotton areas.

### Eastern Asia Weather Summary

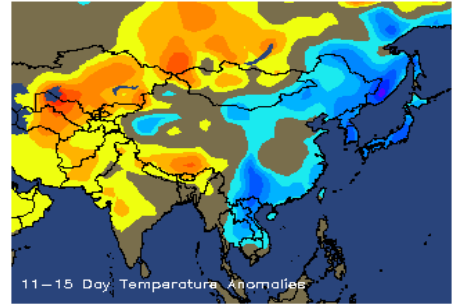
2-5 Day Forecast Temp Anomalies



6-10 Day Forecast Temp Anomalies



11-15 Day Forecast Temp Anomalies



#### Past 30 and 90 Day Precipitation Trends

30 Day Precip Anomalies



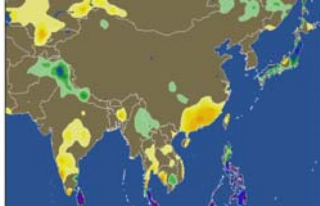
30 Day Year on Year Change



90 Day Precip Anomalies



90 Day Year on Year Change

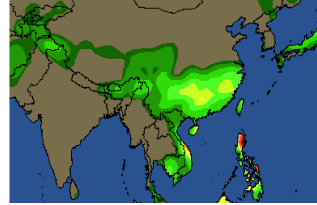


Major corn areas outlined

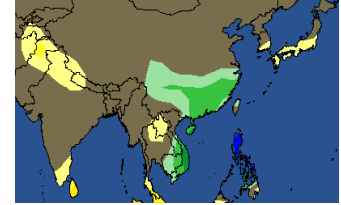
Major soybean areas outlined

#### Forecast Precipitation Trends

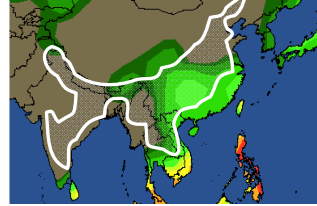
2-5 Day Forecast Totals



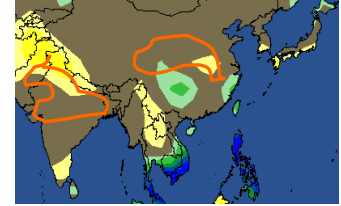
2-5 Day Forecast Anomaly



6-10 Day Forecast Totals



6-10 Day Forecast Anomaly

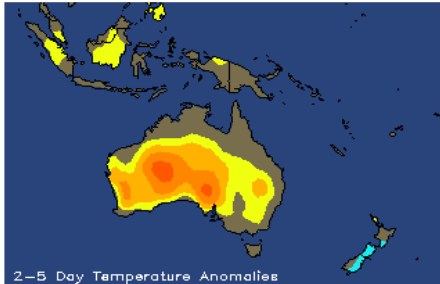


Major rice areas outlined

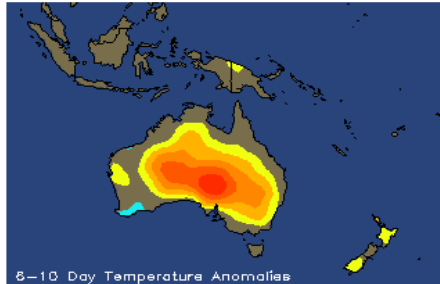
Major wheat areas outlined

### Australia Weather Summary

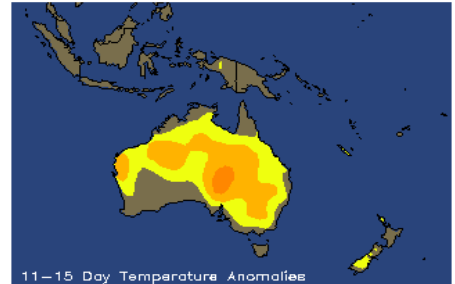
2-5 Day Forecast Temp Anomalies



6-10 Day Forecast Temp Anomalies



11-15 Day Forecast Temp Anomalies

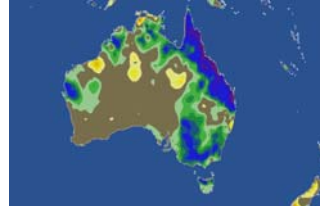


#### Past 30 and 90 Day Precipitation Trends

30 Day Precip Anomalies



30 Day Year on Year Change



90 Day Precip Anomalies



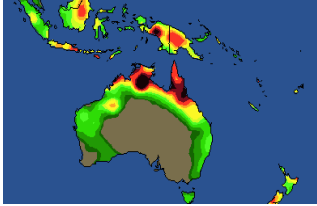
90 Day Year on Year Change



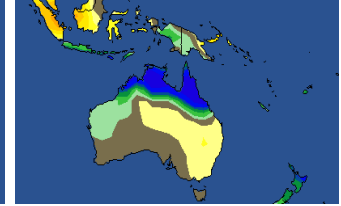
Major sorghum areas outlined

#### Forecast Precipitation Trends

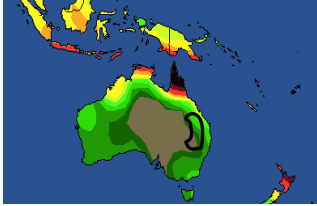
2-5 Day Forecast Totals



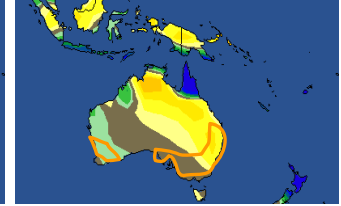
2-5 Day Forecast Anomaly



6-10 Day Forecast Totals



6-10 Day Forecast Anomaly



Major cotton areas outlined

Major wheat areas outlined

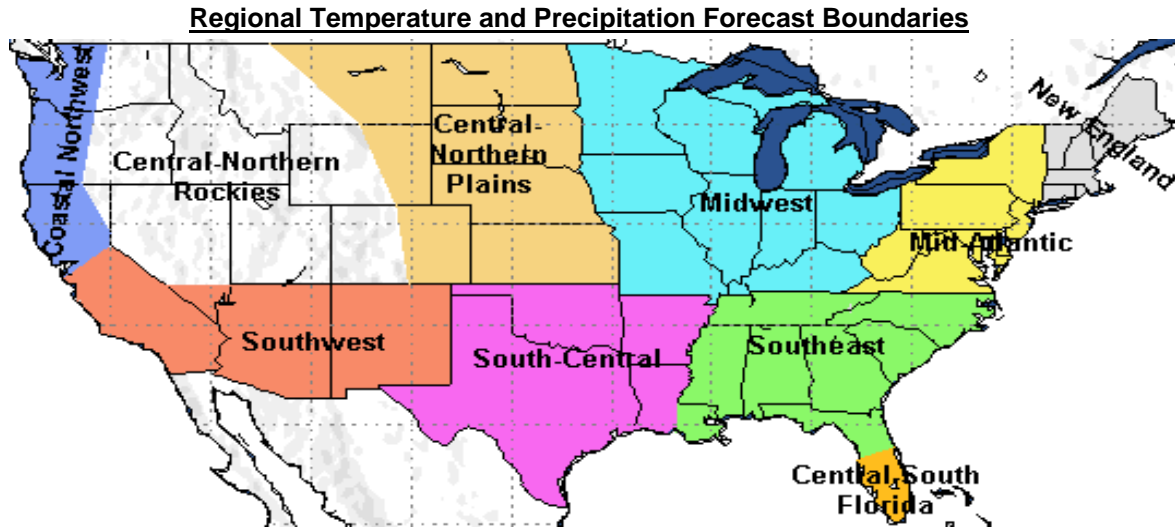
## Regional Daily Temperature and Precipitation Averages

Consult Individual City Forecast Product for City Specific Temperature Forecasts

		Last 5 Days					Next 10 Days									
Region	Date	1/12	1/13	1/14	1/15	1/16	1/17	1/18	1/19	1/20	1/21	1/22	1/23	1/24	1/25	1/26
	New England	Avg High	29	28	23	29	31	17	33	38	26	24	21	22	24	24
Avg Low		22	18	11	2	15	8	11	27	16	11	7	4	8	9	10
Anomaly		2	-1	-7	-8	-1	-11	-1	9	-2	-6	-9	-10	-7	-7	-5
Avg Prcp		0.6	0.01	0	0	0.05	0	0.07	0.04	0.02	0.03	0.28	0.09	0.01	0.01	0.06
Weekday		Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
Mid-Atlantic	Avg High	29	28	29	38	35	30	40	41	31	28	25	29	32	32	32
	Avg Low	22	19	15	19	21	18	26	26	19	18	12	14	17	17	17
	Anomaly	-4	-6	-8	-1	-2	-6	4	4	-5	-7	-11	-8	-5	-5	-5
	Avg Prcp	0.14	0.01	0.01	0	0	0.07	0.03	0.02	0.04	0.11	0.08	0.04	0.02	0.05	0.08
	Weekday	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
Southeast	Avg High	37	40	46	54	55	53	57	54	55	47	47	51	53	53	52
	Avg Low	24	20	20	28	33	37	41	37	34	33	27	29	32	33	33
	Anomaly	-15	-15	-12	-4	-1	1	4	1	-1	-5	-8	-5	-3	-3	-3
	Avg Prcp	0	0	0.09	0	0	0.31	0.03	0	0.15	0.1	0.01	0	0.02	0.18	0.21
	Weekday	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
C-S Florida	Avg High	60	55	67	70	73	73	73	73	74	72	69	68	70	71	70
	Avg Low	40	32	39	47	49	56	56	56	53	55	51	48	49	51	51
	Anomaly	-13	-20	-10	-4	-2	2	1	2	0	0	-3	-5	-3	-2	-3
	Avg Prcp	0	0	0.46	0	0	0.67	0.01	0.02	0	0.08	0.01	0	0	0.04	0.08
	Weekday	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
Midwest	Avg High	20	24	28	30	25	35	31	22	22	19	25	27	31	32	31
	Avg Low	11	8	15	17	13	17	18	11	8	5	8	12	15	17	16
	Anomaly	-8	-8	-3	0	-5	2	1	-7	-9	-12	-8	-5	-2	0	-1
	Avg Prcp	0.01	0	0	0.01	0.14	0.15	0.03	0.13	0.18	0.05	0.03	0.02	0.04	0.1	0.1
	Weekday	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
C-N Plains	Avg High	19	32	34	27	33	38	24	22	20	30	32	31	35	33	32
	Avg Low	-7	8	13	11	13	15	9	6	4	6	13	13	15	16	14
	Anomaly	-14	0	3	-1	3	6	-4	-6	-8	-3	2	1	4	3	2
	Avg Prcp	0	0	0	0.01	0.13	0.13	0.03	0.19	0.03	0.00	0.00	0.01	0.03	0.02	0.06
	Weekday	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
South-Central	Avg High	33	41	52	55	51	59	57	56	47	45	50	51	54	54	52
	Avg Low	20	20	28	36	37	37	37	32	31	25	26	31	33	33	32
	Anomaly	-16	-12	-3	3	1	6	4	1	-4	-8	-5	-2	0	0	-2
	Avg Prcp	0	0	0	0	0	0.06	0	0.16	0.13	0	0	0	0.06	0.08	0.03
	Weekday	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
Southwest	Avg High	61	63	65	65	64	70	68	65	60	61	62	61	62	62	62
	Avg Low	39	39	41	41	44	45	45	44	41	39	41	41	41	41	41
	Anomaly	2	3	5	5	6	9	8	6	2	1	3	2	2	2	2
	Avg Prcp	0.03	0.3	0.31	0.7	0.31	0	0.51	0.03	0.01	0.15	0.13	0.03	0.04	0.2	0.14
	Weekday	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
Northwest	Avg High	52	54	58	57	57	57	54	51	52	53	54	53	55	56	56
	Avg Low	36	44	47	46	50	42	41	39	37	39	40	39	39	39	39
	Anomaly	2	6	9	9	11	7	4	2	1	3	4	3	3	4	4
	Avg Prcp	0.32	0.2	0.43	0.4	0.15	0.25	0.28	0.26	0.32	0.65	0.69	0.49	0.46	0.58	0.5
	Weekday	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
C-N Rockies	Avg High	37	40	46	45	48	49	42	37	36	40	41	39	40	41	42
	Avg Low	17	24	32	30	35	34	29	25	20	22	25	26	25	24	24
	Anomaly	0	5	12	10	14	14	8	4	0	3	5	4	4	4	5
	Avg Prcp	0.08	0.04	0.09	0.28	0.12	0.18	0.2	0.1	0.06	0.11	0.15	0.16	0.15	0.24	0.23
	Weekday	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed

## Notes

PWA=Population Weighted Average Temp Anomaly



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