

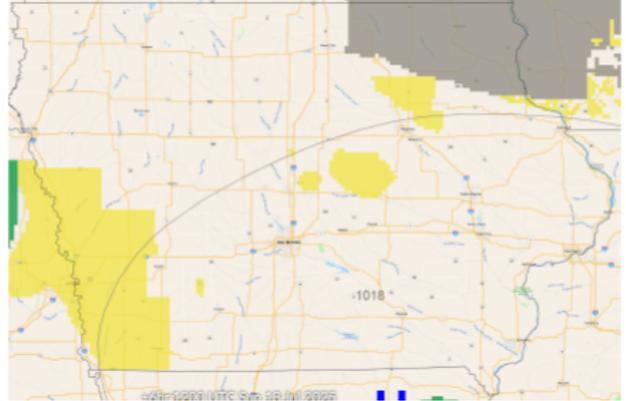


Morning Weather Briefing – July 13, 2025

Sunrise Time: 5:50 AM CDT

General Forecast Discussion

Quiet weather is expected for today. Isolated patchy fog possible this morning, although the expectation is not as dense or with as much coverage as yesterday morning, diminishing chances as the sun pops out. A high pressure is located off to our south and will be slowly moving off to the east throughout the day. Forecasted winds are light on the surface this morning with slightly more speed (5-15kts) above the surface but those are forecast to slow as we move through our forecast window. Forecasted wind direction in the lower levels from a 320 with a turn at somewhere around 2600 feet from around a 270. A surface inversion layer is forecast to stick around until between the 8 and 9 AM time frame.



Current Conditions

Pella Municipal Airport – Elevation 886 ft: KPEA 131035Z AUTO 0000KT 2SM BR CLR 16/16 A3004

Knoxville Municipal Airport – Elevation 928 ft: KOXV 131035Z AUTO 0000KT 10SM CLR 17/16 A3002

Des Moines International Airport – Elevation 954 ft: KDSM 131054Z 0000KT 9SM FEW250 SCT300 18/16 A3003

Forecasted Conditions

Des Moines International Airport (KDSM) – TAF

Winds: from the NW (320°) at 3 kt

Visibility: 6+ mi

Clouds: scattered clouds at 25,000 ft

Winds Aloft Forecast KDSM

3000 ft: Light and Variable

6000 ft: 300 @ 9 kts

9000 ft: 270 @ 14 kts

RAP Model winds: 11Z – 6AM

Height Ft AGL	T (F)	Td (F)	Dir (from)	Speed (kts)
0	60.0	58.4	287, WNW	3
31	63.2	59.5	299, WNW	2
118	66.6	59.9	290, WNW	6
274	67.9	61.5	297, WNW	11
546	69.0	60.2	297, WNW	12
955	68.4	57.0	297, WNW	11
1484	66.6	53.9	296, WNW	10
2125	63.8	50.7	297, WNW	8
2836	60.0	48.2	297, WNW	6
3621	57.3	39.5	266, W	5
4515	57.1	21.6	251, WSW	12
5535	56.4	2.5	251, WSW	14
6690	53.7	-12.2	259, W	15

RAP Model winds: 12Z – 7AM

Height Ft AGL	T (F)	Td (F)	Dir(from)	Speed (kts)
0	61.2	59.8	264, W	2
29	62.7	59.7	256, WSW	1
115	65.6	60.5	292, WNW	5
274	67.2	61.6	305, NW	9
546	69.0	59.0	307, NW	9
952	68.4	55.7	311, NW	9
1480	66.5	53.1	310, NW	7
2121	63.4	50.4	299, WNW	6
2831	60.0	46.5	277, W	5
3617	57.8	36.2	258, WSW	8
4512	57.6	19.8	257, WSW	13
5533	56.7	1.8	256, WSW	15
6688	53.3	-6.5	258, WSW	15

RAP Model winds: 13Z – 8AM

Height Ft AGL	T (F)	Td (F)	Dir(from)	Speed (kts)
0	65.6	61.4	270, W	1
34	65.6	61.2	239, WSW	1
115	65.0	60.9	262, W	1
274	66.3	61.2	305, NW	5
545	68.8	58.1	306, NW	5
954	68.6	54.7	313, NW	4
1482	66.3	52.4	295, WNW	3
2121	63.2	49.7	254, WSW	3
2831	60.2	44.8	238, WSW	6
3617	58.4	34.4	247, WSW	9
4515	58.7	17.1	254, WSW	13
5538	57.6	1.5	256, WSW	14
6693	53.3	-1.2	257, WSW	14