What's the chance of rain?

These tables convert the probability of precipitation (PoP) provided by The Weather Channel
to the observed frequency of precipitation.

Warm Season (April - September)

Lead time (days)	Forecasted Probability of Precipitation (PoP)										
	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
1	0.01	0.05	0.11	0.28	0.46	0.54	0.69	0.77	0.78	0.84	0.92
2	0.02	0.07	0.14	0.29	0.49	0.56	0.62	0.74	0.78	0.94	-
3	0.02	0.10	0.13	0.37	0.55	0.61	0.59	0.82	0.93	-	-
4	0.04	0.12	0.16	0.34	0.50	0.69	0.41	0.79	-	-	-
5	0.06	0.14	0.20	0.33	0.46	0.60	0.49	-	-	-	-
6	0.10	0.17	0.20	0.31	0.41	0.13	0.41	-	-	-	-
7	0.15	0.20	0.23	0.28	0.37	0.10	0.39	-	-	-	-
8	0.19	0.22	0.25	0.26	0.24	0.31	0.30	-	-	-	-
9	0.20	0.25	0.24	0.23	0.25	0.22	0.26	-	-	-	-
overall	0.09	0.15	0.18	0.31	0.44	0.54	0.37	0.77	0.79	0.86	0.92

N : A total of 126,541 PoP-observation pairs were obtained covering the period from 01 November 2008 to 31 October 2010.

Cool Season (October- March)

Lead time (days)	Forecasted Probability of Precipitation (PoP)										
	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
1	0.02	0.04	0.07	0.15	0.37	0.46	0.49	0.73	0.73	0.75	0.77
2	0.02	0.06	0.08	0.19	0.43	0.46	0.54	0.67	0.80	0.73	0.81
3	0.02	0.07	0.11	0.25	0.54	0.67	0.76	0.82	0.74	-	-
4	0.05	0.08	0.11	0.25	0.52	0.60	0.68	0.77	-	-	-
5	0.05	0.11	0.15	0.27	0.47	0.60	0.67	0.58	-	-	-
6	0.10	0.13	0.17	0.28	0.47	0.49	0.52	-	-	-	-
7	0.14	0.16	0.21	0.31	0.39	0.26	0.41	-	-	-	-
8	0.16	0.18	0.19	0.21	0.25	0.18	0.35	-	-	-	-
9	0.21	0.18	0.19	0.22	0.27	0.30	0.31	-	-	-	-
overall	0.10	0.11	0.14	0.25	0.44	0.50	0.39	0.73	0.76	0.76	0.77

N : A total of 116,125 PoP-observation pairs were obtained covering the period from 01 November 2008 to 31 October 2010.

Note: Data is for the East North Central Climate Region of the US, which includes IA, MI, MN, and WI.
  PoP-lead time pairs with fewer than 30 forecasts are excluded.