

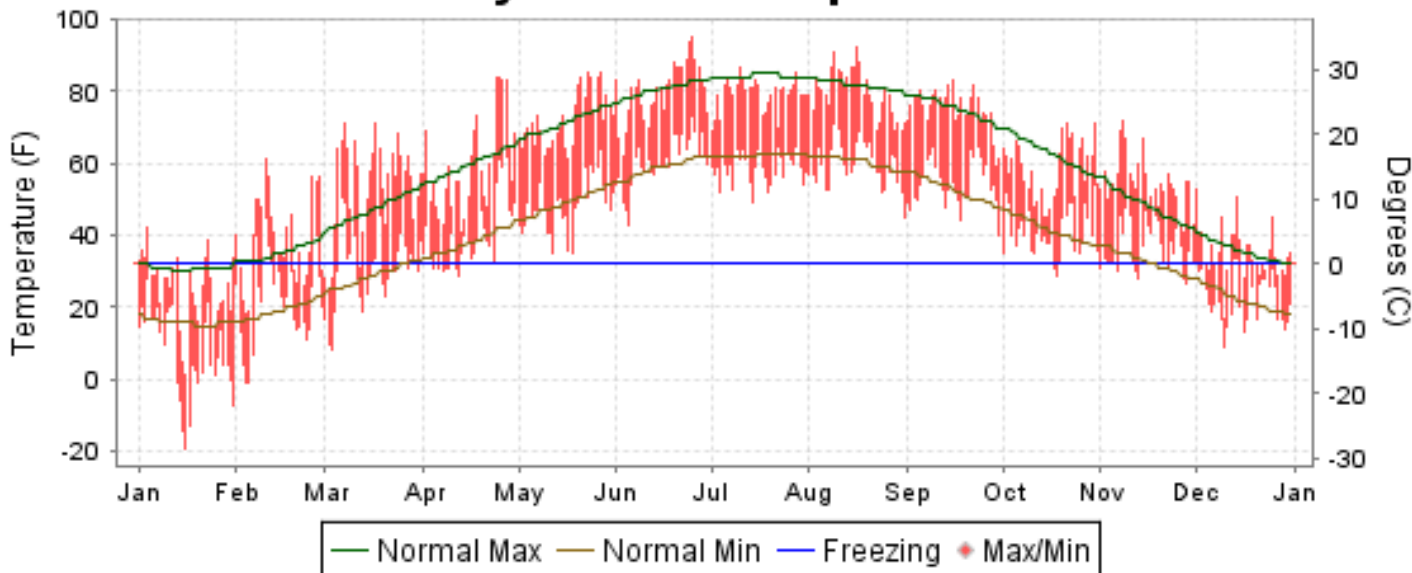


# 2009 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

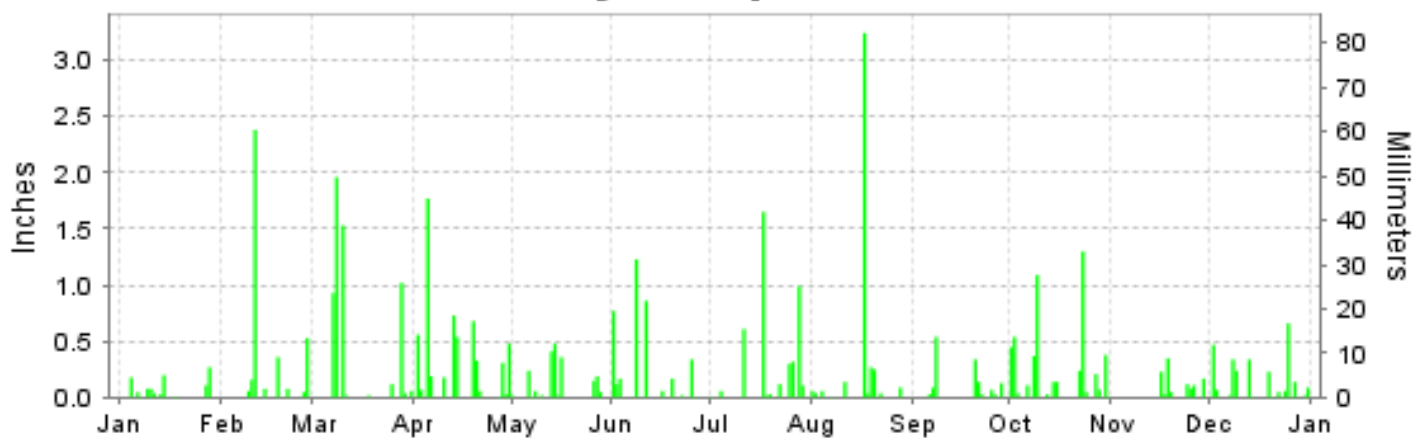
ISSN 0198-196X

## FORT WAYNE, INDIANA (KFWA)

### Daily Max/Min Temperature



### Daily Precipitation



### Daily Station Pressure



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ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR 2009

## FORT WAYNE (KFWA)

LATITUDE: 41° 0' N      LONGITUDE: -85° 12' W      ELEVATION (FT): GRND: 826    BARO: 806      TIME ZONE: EASTERN (UTC -5)      WBAN: 14827

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	25.5	39.0	53.8	59.2	72.1	80.4	79.2	79.6	75.0	58.6	54.7	35.3	59.4	
	HIGHEST DAILY MAXIMUM	42	61	71	84	85	95	87	92	83	71	72	53	95	
	DATE OF OCCURRENCE	04	10	17+	25+	27+	25	10	16	15	30+	08	01	JUN 25	
	MEAN DAILY MINIMUM	7.6	21.7	30.6	40.0	48.3	60.5	58.5	59.8	54.5	40.9	36.7	22.7	40.2	
	LOWEST DAILY MINIMUM	-19	-1	8	29	35	43	49	45	40	29	27	9	-19	
	DATE OF OCCURRENCE	16	04+	03	12	18+	05	14	31	30	18	28	10	JAN 16	
	AVERAGE DRY BULB	16.6	30.4	42.2	49.6	60.2	70.5	68.9	69.7	64.8	49.8	45.7	29.0	49.8	
	MEAN WET BULB	16.1	28.3	36.5	44.4	54.2	63.7	62.7	64.6	59.5	45.9	42.0	27.3	45.4	
	MEAN DEW POINT	11.0	23.6	29.3	38.5	48.1	59.5	58.5	61.7	56.1	41.5	37.8	23.1	40.7	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	0	2	0	2	0	0	0	0	0	4
	MAXIMUM <= 32°	23	9	4	0	0	0	0	0	0	0	0	13	49	
MINIMUM <= 32°	31	23	17	7	0	0	0	0	0	2	9	28	117		
MINIMUM <= 0°	8	2	0	0	0	0	0	0	0	0	0	0	10		
H/C	HEATING DEGREE DAYS	1494	965	699	481	176	25	4	14	55	464	572	1109	6058	
	COOLING DEGREE DAYS	0	0	0	27	36	197	130	170	56	0	0	0	616	
RH	MEAN (PERCENT)	74	76	65	69	67	71	72	78	77	75	76	78	73	
	HOUR 01 LST	77	80	73	77	81	84	87	91	91	82	83	80	82	
	HOUR 07 LST	78	84	76	74	73	78	80	87	88	83	84	82	81	
	HOUR 13 LST	68	68	51	59	51	56	54	61	57	62	62	72	60	
	HOUR 19 LST	73	75	63	66	62	67	69	78	77	75	77	77	72	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	3	1	0	2	3	1	1	1	4	1	3	1	21	
	THUNDERSTORMS	0	2	4	3	7	7	7	4	2	0	0	0	36	
CLOUDNESS	SUNRISE-SUNSET: (OKTAS)														
	CEILOMETER (<= 12,000 FT.)														
	SATELLITE (> 12,000 FT.)														
	MIDNIGHT-MIDNIGHT: (OKTAS)														
	CEILOMETER (<= 12,000 FT.)														
SATELLITE (> 12,000 FT.)															
NUMBER OF DAYS WITH:															
CLEAR															
PARTLY CLOUDY															
CLOUDY															
PR	MEAN STATION PRESS. (IN.)	29.16	29.15	29.23	29.06	29.13	29.00	29.08	29.15	29.21	29.11	29.21	29.14	29.14	
	MEAN SEA-LEVEL PRESS. (IN.)	30.07	30.07	30.14	29.96	30.01	29.88	29.95	30.02	30.09	30.00	30.11	30.07	30.03	
WINDS	RESULTANT SPEED (MPH)	5.1	5.6	0.7	1.2	1.6	0.9	2.9	2.9	2.0	2.5	1.2	4.0	2.1	
	RES. DIR. (TENS OF DEGS.)	25	24	19	27	24	29	27	24	04	22	19	23	25	
	MEAN SPEED (MPH)	10.1	10.8	9.8	11.3	8.2	6.7	6.0	6.5	6.5	8.3	8.4	10.9	8.6	
	PREVAIL.DIR.(TENS OF DEGS.)	26	27	08	08	07	29	29	22	07	21	22	25	26	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	31	46	46	36	36	32	25	40	32	33	26	47	47	
	DIR. (TENS OF DEGS.)	26	27	23	22	27	26	28	21	27	27	27	25	25	
	DATE OF OCCURRENCE	29	11	08	27	09	08	26	17	28	06	25	09	DEC 09	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	38	63	61	46	45	40	39	55	46	44	32	58	63	
DIR. (TENS OF DEGS.)	26	28	22	25	26	26	29	22	27	28	21	25	28		
DATE OF OCCURRENCE	17	11	08	01	09	08	26	17	28	06	25	09	FEB 11		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	1.07	3.70	5.70	5.94	2.01	3.75	4.22	4.24	1.41	5.17	1.14	2.77	41.12	
	GREATEST 24-HOUR (IN.)	0.38	2.38	2.87	1.96	0.89	1.23	1.65	3.28	0.54	1.54	0.35	0.66	3.28	
	DATE OF OCCURRENCE	27-28	11	07-08	05-06	13-14	08	17	17-18	08	22-23	18	25	AUG 17-18	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	12	8	9	14	12	10	11	11	10	16	8	17	138	
PRECIPITATION 0.10	4	4	5	10	6	7	7	4	4	11	5	7	74		
PRECIPITATION 1.00	0	1	3	1	0	1	1	1	0	2	0	0	10		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)	15.5	4.1	T	1.5	0.0	0.0	0.0	0.0	0.0	0.0	T	9.5	30.6	
	GREATEST 24-HOUR (IN.)	5.3	1.6	T	1.5	0.0	0.0	0.0	0.0	0.0	0.0	T	3.1	5.3	
	DATE OF OCCURRENCE	28	21	29+	06							27	19	JAN 28	
	MAXIMUM SNOW DEPTH (IN.)	7	3	0	T	0	0	0	0	0	0	0	3	7	
	DATE OF OCCURRENCE	28	01		06								24+	JAN 28	
	NUMBER OF DAYS WITH:														
SNOWFALL >= 1.0	6	2	0	1	0	0	0	0	0	0	0	2	11		

# NORMALS, MEANS, AND EXTREMES FORT WAYNE (KFWA)

**LATITUDE:** 41 ° 0 'N      **LONGITUDE:** -85 ° 12'W      **ELEVATION (FT):** GRND: 826    BARO: 806      **TIME ZONE:** EASTERN (UTC -5)      **WBAN: 14827**

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	31.0	35.4	47.4	59.8	71.6	80.6	84.3	81.8	75.4	63.0	48.5	35.8	59.6
	MEAN DAILY MAXIMUM	100	32.0	34.0	46.8	58.7	70.6	79.3	83.1	78.4	75.1	63.8	48.2	34.8	58.7
	HIGHEST DAILY MAXIMUM	63	69	73	82	88	94	106	103	101	100	90	79	71	106
	YEAR OF OCCURRENCE		1950	2000	1986	1986	1988	1988	1954	1962	1953	1951	1950	1982	JUN 1988
	MEAN OF EXTREME MAXS.	103	53.0	56.2	70.7	80.4	86.4	92.6	93.7	92.1	89.2	81.1	68.6	56.9	76.7
	NORMAL DAILY MINIMUM	30	16.1	19.2	28.8	38.2	49.1	58.8	62.5	60.4	52.8	41.8	32.7	22.3	40.2
	MEAN DAILY MINIMUM	100	17.0	18.6	28.6	37.8	48.7	57.8	61.1	57.1	52.7	42.5	32.1	21.0	39.6
	LOWEST DAILY MINIMUM	63	-22	-18	-10	7	27	38	44	38	29	19	-1	-18	-22
	YEAR OF OCCURRENCE		1985	1982	1967	1982	2005	1993	1967	1965	1995	1988	1958	1989	JAN 1985
	MEAN OF EXTREME MINS.	103	-4.6	-1.6	9.5	23.5	34.3	45.4	51.4	48.6	37.5	27.3	17.2	1.4	24.2
	NORMAL DRY BULB	30	23.6	27.3	38.1	49.0	60.4	69.7	73.4	71.1	64.1	52.4	40.6	29.0	49.9
	MEAN DRY BULB	100	24.5	26.3	37.7	48.3	59.7	68.6	72.1	67.8	63.9	53.1	40.1	27.9	49.2
	MEAN WET BULB	26	23.5	25.9	33.7	43.6	53.3	62.5	66.1	65.2	58.0	47.0	37.5	27.3	45.3
	MEAN DEW POINT	26	20.9	23.0	30.1	39.4	49.6	59.3	63.6	63.2	55.2	43.9	34.8	25.0	42.3
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.0	0.9	3.8	6.4	3.1	1.2	0.0	0.0	0.0	15.4
	MAXIMUM <= 32	30	16.0	11.5	3.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.5	10.7	43.1
	MINIMUM <= 32	30	28.2	23.8	20.1	7.9	0.6	0.0	0.0	0.0	0.2	4.6	15.8	25.8	127.0
MINIMUM <= 0	30	4.8	3.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	9.9	
H/C	NORMAL HEATING DEG. DAYS	30	1275	1063	835	479	188	29	3	11	105	394	722	1101	6205
	NORMAL COOLING DEG. DAYS	30	0	0	1	7	53	183	278	212	88	8	0	0	830
RH	NORMAL (PERCENT)	30	78	77	72	67	67	69	71	76	74	73	77	80	73
	HOURLY 01 LST	30	80	80	78	75	76	79	83	88	86	81	81	82	81
	HOURLY 07 LST	30	82	82	81	79	80	82	86	91	90	86	84	84	84
	HOURLY 13 LST	30	73	70	62	56	55	55	56	60	58	59	68	75	62
	HOURLY 19 LST	30	77	74	67	59	56	58	60	67	67	68	75	80	67
S	PERCENT POSSIBLE SUNSHINE	52	46	51	55	60	68	74	75	74	68	62	41	38	59
W/O	MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI)	46	2.6	2.6	2.1	0.9	1.1	0.7	1.1	1.9	1.6	1.4	1.3	2.8	20.1
	THUNDERSTORMS	62	0.3	0.7	2.3	4.0	5.4	7.0	6.9	5.9	3.5	1.7	0.9	0.4	39.0
CLOUDNESS	MEAN: SUNRISE-SUNSET (OKTAS)	50	6.0	5.8	5.8	5.6	5.1	4.9	4.5	4.5	4.5	4.6	5.8	6.1	5.3
	MIDNIGHT-MIDNIGHT (OKTAS)	32	5.8	5.5	5.5	5.2	4.8	4.7	4.2	4.2	4.3	4.5	5.7	5.9	5.0
	MEAN NO. DAYS WITH: CLEAR	1	3.0	3.0	7.0	2.0	2.0	5.0							
	PARTLY CLOUDY	1	3.0	5.0	8.0	6.0	8.0	9.0							
	CLOUDY	1	25.0	21.0	16.0	22.0	21.0	16.0							
PR	MEAN STATION PRESSURE(IN)	26	29.19	29.19	29.16	29.09	29.11	29.10	29.10	29.14	29.19	29.19	29.19	29.20	29.15
	MEAN SEA-LEVEL PRES. (IN)	26	30.11	30.11	30.07	29.98	29.99	29.98	30.00	30.04	30.07	30.09	30.09	30.12	30.05
WINDS	MEAN SPEED (MPH)	26	11.1	10.5	10.7	10.7	9.4	8.0	7.1	6.4	7.0	8.6	10.1	10.4	9.2
	PREVAIL.DIR.(TENS OF DEGS)	36	27	27	28	08	23	24	24	24	23	23	27	28	27
	MAXIMUM 2-MINUTE: SPEED (MPH)	13	46	46	51	46	47	58	51	40	38	41	46	47	58
	DIR. (TENS OF DEGS)		26	27	27	25	28	29	28	21	25	25	23	25	29
	YEAR OF OCCURRENCE		2008	2009	2002	1997	2000	2007	1998	2009	1997	2004	1998	2009	JUN 2007
	MAXIMUM 3-SECOND SPEED (MPH)	13	58	63	61	56	61	71	69	55	48	51	54	58	71
	DIR. (TENS OF DEGS)		26	28	22	26	29	29	29	22	31	26	23	25	29
	YEAR OF OCCURRENCE		2008	2009	2009	1997	2000	2007	1998	2009	2008	2004	1998	2009	JUN 2007
PRECIPITATION	NORMAL (IN)	30	2.05	1.94	2.86	3.54	3.75	4.04	3.58	3.60	2.81	2.63	2.98	2.77	36.55
	MAXIMUM MONTHLY (IN)	63	9.72	6.84	5.70	7.11	8.80	8.55	11.00	9.69	6.75	9.26	8.01	7.56	11.00
	YEAR OF OCCURRENCE		1950	1990	2009	1957	1991	2000	1986	2007	1972	1954	1992	1990	JUL 1986
	MINIMUM MONTHLY (IN)	63	0.39	0.30	0.48	1.04	0.77	0.41	0.42	0.34	0.14	0.14	0.62	0.42	0.14
	YEAR OF OCCURRENCE		1966	1978	2001	1997	1977	1988	1974	1969	1979	1964	1976	1962	OCT 1964
	MAXIMUM IN 24 HOURS (IN)	63	2.64	3.03	2.87	2.65	4.35	4.40	3.71	4.97	4.60	2.96	2.50	2.49	4.97
	YEAR OF OCCURRENCE		1950	1990	2009	1963	1991	1989	2003	2007	1950	1947	1982	1990	AUG 2007
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	12.4	10.5	12.4	13.2	11.8	10.4	9.4	10.0	9.1	9.6	11.4	12.8	133.0
	PRECIPITATION >= 1.00	30	0.2	0.2	0.3	0.6	0.9	1.0	1.0	1.3	0.7	0.6	0.5	0.4	7.7
SNOWFALL	NORMAL (IN)	30	9.9	7.6	4.7	1.1	0.*	0.0	0.0	0.0	0.0	0.5	3.0	8.3	35.1
	MAXIMUM MONTHLY (IN)	63	29.5	19.0	19.5	11.7	T	T	T	T	T	8.0	14.1	20.3	29.5
	YEAR OF OCCURRENCE		1982	2008	1964	1961	1996	2008	2001	1989	2003	1989	1950	1973	JAN 1982
	MAXIMUM IN 24 HOURS (IN)	63	10.8	7.7	13.6	6.4	T	T	T	T	T	6.5	7.0	11.1	13.6
	YEAR OF OCCURRENCE		1982	1952	1964	1957	1996	1992	2001	1989	2003	1989	1950	1973	MAR 1964
	MAXIMUM SNOW DEPTH (IN)	61	17	20	11	6	0	0	0	0	0	3	9	15	20
	YEAR OF OCCURRENCE		1978	1982	1978	1994						1989	1950	1977	FEB 1982
	NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	2.9	2.3	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.9	2.5	10.4

**PRECIPITATION (inches) 2009 FORT WAYNE (KFWA)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1980	0.71	2.22	4.16	3.03	2.69	4.54	4.03	4.79	2.47	1.96	0.68	2.50	33.78
1981	0.60	2.89	0.74	5.34	4.42	7.96	2.92	1.71	3.34	3.42	1.09	3.18	37.61
1982	5.42	1.50	4.91	2.84	4.74	4.88	2.45	3.44	1.64	1.11	5.77	4.39	43.09
1983	0.98	0.71	1.84	4.83	4.14	2.15	2.36	1.67	1.34	3.58	4.17	4.34	32.11
1984	1.10	1.53	3.71	2.95	4.69	1.48	2.52	1.10	2.98	3.17	2.94	3.20	31.37
1985	2.03	3.58	3.76	1.69	2.16	2.56	1.86	5.15	2.67	2.44	5.41	2.77	36.08
1986	0.64	2.96	3.08	3.27	2.67	4.95	11.00	2.75	4.64	3.47	1.50	1.54	42.47
1987	2.07	0.53	1.34	2.16	3.41	5.41	2.90	6.08	1.35	1.81	3.73	3.46	34.25
1988	1.53	1.97	3.14	2.69	1.99	0.77	6.51	4.29	1.82	2.70	3.43	2.47	33.31
1989	1.99	1.08	1.40	3.39	4.82	5.78	2.48	4.93	4.17	2.05	2.05	1.18	35.32
1990	2.17	6.84	3.11	2.36	5.60	5.49	4.58	6.75	1.50	5.31	3.31	7.56	54.58
1991	1.82	1.28	2.80	5.06	8.80	2.08	3.39	3.15	2.17	8.94	3.24	2.07	44.80
1992	1.67	1.39	3.21	3.50	3.11	3.31	5.35	3.82	6.01	2.45	8.01	2.65	44.48
1993	5.24	1.82	3.64	4.31	3.93	6.09	3.72	1.71	4.85	1.19	4.11	1.49	42.10
1994	2.71	0.83	1.66	6.25	1.09	3.46	3.29	2.15	1.27	1.43	2.94	2.25	29.33
1995	2.35	0.83	2.16	5.03	4.12	5.25	2.15	2.55	0.44	3.35	2.21	1.23	31.67
1996	2.51	1.25	2.01	3.17	7.09	5.55	7.88	2.00	3.94	2.00	3.76	3.27	44.43
1997	2.22	3.75	3.32	1.04	6.30	4.07	5.53	4.06	5.11	0.97	2.82	1.73	40.92
1998	3.96	1.44	4.98	5.00	2.18	4.83	6.00	3.85	1.31	3.99	1.65	1.00	40.19
1999	2.78	2.51	1.19	6.37	3.94	1.07	1.07	3.10	1.03	2.32	1.00	1.95	28.33
2000	1.25	1.57	2.01	2.09	4.63	8.55	2.18	3.68	4.61	1.78	2.12	2.54	37.01
2001	0.74	2.73	0.48	3.59	2.56	4.26	6.70	4.56	4.04	7.40	2.30	2.40	41.76
2002	2.56	1.80	2.56	3.70	6.29	3.13	2.40	2.79	2.54	1.58	2.27	1.61	33.23
2003	1.30	1.39	2.43	2.35	6.94	3.66	9.80	4.08	5.44	2.01	2.42	2.62	44.44
2004	2.43	0.54	2.79	1.15	6.71	5.30	5.51	5.19	1.75	1.73	3.39	2.67	39.16
2005	4.96	2.47	1.46	2.15	1.70	2.13	5.19	1.95	3.97	0.51	3.29	2.16	31.94
2006	3.01	1.64	1.98	4.26	5.04	3.36	5.41	3.17	2.82	4.35	2.39	4.73	42.16
2007	3.74	0.96	3.39	3.47	1.10	3.04	1.82	9.69	2.47	1.91	4.21	4.45	40.25
2008	2.23	4.73	3.82	1.98	4.95	5.55	3.15	2.06	1.83	2.32	2.03	4.34	38.99
2009	1.07	3.70	5.70	5.94	2.01	3.75	4.22	4.24	1.41	5.17	1.14	2.77	41.12
POR= 103 YRS	2.36	1.98	3.03	3.36	3.72	3.78	3.69	3.17	2.80	2.74	2.65	2.45	35.73

WBAN : 14827

**AVERAGE TEMPERATURE (°F) 2009 FORT WAYNE (KFWA)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1980	24.7	20.1	32.5	46.1	59.9	66.5	75.2	74.1	66.2	50.5	39.0	29.6	48.7
1981	20.1	29.0	37.5	51.5	57.1	70.1	73.0	71.2	64.5	49.6	41.0	26.4	49.3
1982	15.3	21.3	35.4	44.4	66.4	65.6	73.8	69.1	62.6	54.2	43.7	39.2	49.3
1983	29.5	33.6	41.0	47.4	58.0	72.0	78.9	78.4	67.8	55.3	44.9	21.2	52.3
1984	19.5	33.5	28.5	47.4	56.8	73.6	71.8	73.4	63.4	58.5	41.5	35.9	50.3
1985	19.8	23.9	43.1	57.0	65.1	68.8	75.0	71.5	65.0	54.4	43.7	20.5	50.7
1986	26.2	25.6	40.1	51.6	61.7	69.1	74.9	67.9	67.1	53.9	37.2	31.1	50.5
1987	24.7	31.4	40.9	51.4	64.5	72.1	75.1	71.8	65.3	46.6	44.1	33.4	51.8
1988	23.6	23.6	38.5	49.8	64.3	73.3	77.1	74.7	64.5	45.9	41.9	28.7	50.5
1989	33.2	23.4	38.3	47.5	57.3	69.7	75.5	70.8	62.2	52.7	39.4	16.9	48.9
1990	34.8	34.1	42.1	49.8	57.6	69.5	71.9	69.9	64.7	52.7	45.3	32.4	52.1
1991	24.8	31.9	41.2	53.1	67.3	74.2	74.8	72.9	63.6	55.4	37.6	32.9	52.5
1992	28.6	34.0	38.1	47.6	59.2	65.9	71.1	67.6	62.5	50.9	40.9	31.6	49.8
1993	28.6	24.0	35.3	48.6	61.8	68.5	76.3	74.4	61.5	51.3	41.1	31.1	50.2
1994	18.9	25.6	39.1	52.5	59.5	73.8	73.2	68.7	65.6	55.1	45.6	35.9	51.1
1995	25.7	26.8	41.4	47.7	59.1	71.8	75.1	78.4	63.2	54.9	35.8	24.9	50.4
1996	23.3	28.5	33.4	47.0	58.2	71.4	70.3	71.5	63.2	53.2	34.0	30.2	48.7
1997	21.4	31.2	39.4	45.4	53.6	69.3	71.8	68.0	62.7	52.2	36.5	31.0	48.5
1998	33.3	37.4	39.7	50.4	66.4	69.8	71.6	71.8	67.5	54.0	43.4	34.6	53.3
1999	23.6	33.5	33.5	51.3	62.4	71.4	78.4	69.5	64.4	52.0	45.4	31.4	51.4
2000	22.5	33.6	43.8	49.0	62.3	68.6	71.2	71.0	62.7	55.8	39.0	17.5	49.8
2001	25.2	30.9	35.4	53.2	62.3	68.2	72.4	72.4	62.3	52.7	47.4	36.0	51.5
2002	34.0	33.9	36.4	52.2	56.5	71.3	76.5	72.6	67.5	49.6	38.6	28.8	51.5
2003	18.5	22.7	37.6	50.0	57.5	66.0	71.6	72.4	61.5	50.6	44.5	31.0	48.7
2004	20.7	26.5	41.3	52.2	63.2	67.6	71.1	67.2	65.7	52.9	43.5	29.1	50.1
2005	24.5	30.1	34.9	51.7	57.1	73.5	75.1	72.9	67.9	54.1	42.7	24.0	50.7
2006	36.9	29.9	38.7	53.1	59.1	68.8	75.1	71.5	61.0	49.2	42.9	36.2	51.9
2007	29.8	16.1	43.0	48.2	65.0	71.5	71.8	74.2	67.0	59.7	40.6	29.6	51.4
2008	26.3	24.8	35.6	51.1	57.5	71.0	73.2	71.2	67.4	52.0	39.3	27.6	49.8
2009	16.6	30.4	42.2	49.6	60.2	70.5	68.9	69.7	64.8	49.8	45.7	29.0	49.8
POR= 100 YRS	24.5	26.3	37.7	48.3	59.7	68.6	72.1	67.8	63.9	53.1	40.1	27.9	49.2

**HEATING DEGREE DAYS (base 65°F) 2009 FORT WAYNE (KFWA)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1980-81	0	0	64	454	772	1090	1385	1004	844	402	259	9	6283
1981-82	0	2	88	472	711	1185	1536	1216	908	608	51	50	6827
1982-83	0	17	124	345	632	795	1096	874	736	526	218	25	5388
1983-84	1	0	78	310	596	1352	1405	908	1125	524	272	0	6571
1984-85	4	1	128	204	699	894	1394	1144	673	281	86	23	5531
1985-86	0	3	124	319	632	1373	1197	1097	769	406	152	28	6100
1986-87	2	46	60	351	826	1043	1243	937	737	408	128	10	5791
1987-88	6	26	64	562	620	972	1277	1192	814	453	87	22	6095
1988-89	0	9	62	588	684	1118	978	1158	823	522	268	19	6229
1989-90	0	9	141	384	760	1488	928	858	712	479	231	29	6019
1990-91	2	7	113	389	587	1007	1240	920	730	355	100	1	5451
1991-92	0	0	162	308	816	985	1120	891	830	520	212	49	5893
1992-93	7	19	131	430	714	1028	1121	1141	914	484	128	51	6168
1993-94	0	4	140	425	710	1044	1424	1098	796	390	218	17	6266
1994-95	0	21	66	302	574	898	1211	1063	727	512	184	8	5566
1995-96	3	0	118	312	869	1237	1288	1050	974	541	254	11	6657
1996-97	6	0	118	360	924	1070	1345	940	789	580	345	35	6512
1997-98	7	18	103	427	847	1050	973	767	781	431	57	66	5527
1998-99	0	1	44	345	643	933	1278	876	971	405	120	28	5644
1999-00	0	5	97	397	582	1034	1310	903	649	475	141	40	5633
2000-01	1	4	137	287	774	1466	1226	951	912	366	126	65	6315
2001-02	10	0	120	378	522	892	954	862	878	423	285	17	5341
2002-03	0	1	45	493	784	1112	1437	1181	842	443	230	58	6626
2003-04	0	3	136	443	606	1050	1364	1108	731	395	126	30	5992
2004-05	2	40	60	368	640	1106	1253	971	925	399	253	6	6023
2005-06	0	2	33	364	661	1263	866	976	809	353	239	12	5578
2006-07	0	1	126	489	656	886	1082	1362	682	499	97	10	5890
2007-08	1	4	55	221	724	1089	1192	1160	906	418	248	6	6024
2008-09	0	0	21	404	763	1154	1494	965	699	481	176	25	6182
2009-	4	14	55	464	572	1109							

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**COOLING DEGREE DAYS (base 65°F) 2009 FORT WAYNE (KFWA)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1980	0	0	0	1	38	115	326	290	107	10	0	0	887
1981	0	0	0	3	21	168	258	202	79	0	0	0	731
1982	0	0	0	0	101	76	280	150	57	15	0	0	679
1983	0	0	0	4	10	241	436	418	168	16	0	0	1293
1984	0	0	0	5	24	266	223	270	88	10	0	0	886
1985	0	0	3	47	94	142	317	211	130	2	0	0	946
1986	0	0	3	12	55	159	316	143	130	13	0	0	831
1987	0	0	0	6	124	233	320	242	82	0	1	0	1008
1988	0	0	0	2	74	281	381	319	53	4	0	0	1114
1989	0	0	1	1	37	169	334	195	64	10	0	0	811
1990	0	0	7	26	7	173	222	164	112	14	1	0	726
1991	0	0	0	6	177	283	308	254	126	16	0	0	1170
1992	0	0	0	3	40	82	203	110	64	0	0	0	502
1993	0	0	0	0	37	162	356	301	41	4	0	0	901
1994	0	0	0	20	53	285	261	140	93	2	0	0	854
1995	0	0	0	0	10	218	323	420	73	4	0	0	1048
1996	0	0	0	5	50	210	176	207	70	1	0	0	719
1997	0	0	0	0	1	173	227	120	44	38	0	0	603
1998	0	0	5	0	107	216	209	219	126	11	0	0	893
1999	0	0	0	0	45	227	422	152	84	0	0	0	930
2000	0	0	0	0	66	157	201	199	76	10	0	0	709
2001	0	0	0	18	48	167	244	236	45	3	0	0	761
2002	0	0	0	45	30	214	364	246	125	23	0	0	1047
2003	0	0	0	1	6	95	208	239	37	1	0	0	587
2004	0	0	0	16	76	114	197	113	89	3	0	0	608
2005	0	0	0	5	15	269	319	253	125	30	0	0	1016
2006	0	0	0	3	63	117	318	207	17	5	0	0	730
2007	0	0	4	2	105	213	221	295	120	63	0	0	1023
2008	0	0	0	7	22	194	262	196	98	6	0	0	785
2009	0	0	0	27	36	197	130	170	56	0	0	0	616

## SNOWFALL (inches) 2009 FORT WAYNE (KFWA)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1980-81	0.0	0.0	0.0	0.2	6.2	11.0	6.9	9.4	2.0	0.0	0.0	0.0	35.7
1981-82	0.0	0.0	0.0	T	3.6	17.6	29.5	14.0	6.7	9.8	0.0	0.0	81.2
1982-83	0.0	0.0	0.0	0.0	0.1	1.5	2.8	3.6	6.7	0.2	0.0	0.0	14.9
1983-84	0.0	0.0	0.0	0.0	0.9	16.3	10.8	7.9	13.3	0.6	0.0	0.0	49.8
1984-85	0.0	0.0	0.0	0.0	0.7	4.4	15.3	13.7	0.8	0.9	0.0	0.0	35.8
1985-86	0.0	0.0	0.0	0.0	1.9	10.4	4.0	16.3	1.3	0.2	0.0	0.0	34.1
1986-87	0.0	0.0	0.0	0.0	4.6	1.8	17.6	0.2	1.5	T	0.0	0.0	25.7
1987-88	0.0	0.0	0.0	T	3.9	3.7	4.2	16.7	5.6	T	0.0	0.0	34.1
1988-89	0.0	0.0	0.0	T	3.3	10.1	1.7	6.1	1.3	T	T	0.0	22.5
1989-90	0.0	T	0.0	8.0	2.1	8.3	1.7	3.8	T	T	0.0	T	23.9
1990-91	0.0	0.0	0.0	0.0	T	13.5	8.5	6.0	3.2	T	0.0	0.0	31.2
1991-92	0.0	0.0	0.0	T	3.5	2.0	11.8	0.7	9.8	T	0.0	T	27.8
1992-93	0.0	0.0	0.0	1.4	0.5	9.1	9.6	13.0	7.5	0.8	0.0	0.0	41.9
1993-94	0.0	0.0	0.0	1.0	2.0	5.5	12.4	11.3	2.8	7.5	0.0	0.0	42.5
1994-95	0.0	0.0	0.0	0.0	0.5	1.0	11.0	0.5	0.3	0.2	0.0	0.0	13.5
1995-96	0.0	0.0	0.0	T	1.5	14.8	14.7	2.2	5.6	1.2	0.0	0.0	40.0
1996-97					8.1	13.7	12.8	7.9	1.6	0.7	T		
1997-98					5.9	4.2	1.7		2.1	0.0	0.0	0.0	
1998-99	0.0	0.0	0.0	0.0	0.0	1.0	18.0	3.1	8.4	T	0.0	0.0	30.5
1999-00	0.0	0.0	0.0	T	0.1	1.9	12.5	2.5	9.1	0.4	0.0	0.0	26.5
2000-01	0.0	0.0	0.0	T	1.1	17.2	2.4	1.8	4.0	1.8	0.0	T	28.3
2001-02	T	0.0	0.0	T	0.0	1.9	1.5	6.0	7.3	T	0.0	T	16.7
2002-03	0.0	0.0	0.0	T	3.1	9.4	17.8	14.3	2.1	T	0.0	T	46.7
2003-04	0.0	0.0	T	0.0	0.7	10.9	20.3	1.4	3.1	T	T	0.0	36.4
2004-05	T	T	0.0	0.0	1.8	10.3	17.2	7.7	7.1	0.6	0.0	T	44.7
2005-06	0.0	0.0	0.0	0.0	2.3	15.8	2.0	4.8	2.2	T	0.0	0.0	27.1
2006-07	0.0	0.0	0.0	T	T	4.8	8.7	11.5	0.7	3.4	0.0	T	29.1
2007-08	0.0	0.0	0.0	0.0	T	11.4	7.2	19.0	6.3	T	0.0	T	43.9
2008-09	0.0	0.0	0.0	T	2.3	4.2	15.5	4.1	T	1.5	0.0	0.0	27.6
2009-	0.0	0.0	0.0	0.0	T	9.5							
POR= 60 YRS	T	T	T	0.2	2.8	7.4	8.9	7.3	4.8	1.3	T	T	32.7

WBAN : 14827

### REFERENCE NOTES :

<p>PAGE 1: THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).</p> <p>PAGE 2 AND 3: H/C INDICATES HEATING AND COOLING DEGREE DAYS. RH INDICATES RELATIVE HUMIDITY W/O INDICATES WEATHER AND OBSTRUCTIONS S INDICATES SUNSHINE. PR INDICATES PRESSURE. CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).</p> <p>GENERAL: T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE. + INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES. BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA. NORMALS ARE 30-YEAR AVERAGES (1971 - 2000). ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM. PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH. POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING. WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED. 0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05. CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET. THE NUMBER OF DAYS WITH CLEAR, PARTLY CLOUDY, AND CLOUDY CONDITIONS FOR ASOS STATIONS IS THE SUM OF THE CEILOMETER AND SATELLITE DATA FOR THE SUNRISE TO SUNSET PERIOD. CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS. WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED.</p>	<p>GENERAL CONTINUED: WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH. RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION. AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2. SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN PRECIPITATION, INCLUDING HAIL. A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65 F. DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR. DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY. WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY. ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER. STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED HISTORY GO TO "MULTI-NETWORK METADATA SYSTEM", URL IS: <a href="https://mi3.ncdc.noaa.gov/mi3qry/login.cfm">https://mi3.ncdc.noaa.gov/mi3qry/login.cfm</a></p> <p><b>NOTE:</b> The "Period of Record:(POR) for all "averages" is based on the "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p>
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# 2009

## FORT WAYNE

### INDIANA (KFWA)

Fort Wayne is located at the junction of the St. Marys, St. Joseph, and Maumee Rivers in northeastern Indiana. The surrounding area is generally level south and east of the city. Southwest and west, the terrain is somewhat rolling, while to the northwest and a few miles north from the city, it becomes quite hilly. The highest point in the general area is about 40 miles due north of Fort Wayne, near Angola, Indiana. At this point, the elevation rises to 1,060 feet above sea level.

The climate is representative of northeastern Indiana and is influenced to some extent by the Great Lakes. It does not differ greatly from the climates of other midwestern cities of the same general latitude. Temperature differences between daily highs and lows are invigorating and average about 20 degrees. The average occurrence of the last freeze in the spring is late April, and the first freeze in the fall is mid-October, making the average freeze-free period 173 days. The length of the growing season is favorable for the maturing of all crops and vegetables normally grown in the midwest.

Annual precipitation is well distributed, with somewhat larger monthly amounts falling in late spring and early summer. Damaging hailstorms occur at an average of about twice a year. One of the most notable storms caused severe damage to property, many thousands of trees, and power and telephone lines in the area. Severe flooding has also occurred in the area. Snow usually covers the ground for about 30 days during the winter months, but heavy snowstorms are not frequent.

Except for the considerable cloudiness that occurs during the winter months, Fort Wayne enjoys a good midwestern average sunshine. Heavy fog occurrence is infrequent.

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