

1981

## UA66/8/2 Climate of Middlesboro, Kentucky

WKU Kentucky Climate Center

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### Recommended Citation

WKU Kentucky Climate Center; Conner, Glen; Brown, Kevin; and Harper, Douglas, "UA66/8/2 Climate of Middlesboro, Kentucky" (1981). *WKU Archives Records*. Paper 7240.  
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# CLIMATOLOGICAL SUMMARY

LATITUDE 36 36N  
LONGITUDE 83 44W

MEANS AND EXTREMES FOR PERIOD 1951-1980

MIDDLESBORO KENTUCKY  
ELEVATION 1175 FEET

MONTH	TEMPERATURE (°F)												PRECIPITATION TOTALS (INCHES)																
	MEANS						EXTREMES						MEAN NUMBER OF DAYS			SNOW, SLEET						MEAN NUMBER OF DAYS							
	DAILY MAXIMUM	DAILY MINIMUM	MONTHLY	RECORD HIGHEST	RECORD LOWEST	MONTHLY	MAX. 4° AND ABOVE	MIN. 4° AND BELOW	MEAN	GREATEST MONTHLY	GREATEST DAILY	GREATEST YEAR	MEAN	MAXIMUM MONTHLY	GREATEST DEPTH	GREATEST YEAR	.10 or MORE	.50 or MORE	1.00 or MORE										
																				YEAR	DAY	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR		
JAN	45.6	24.5	35.1	77	52	1	-15	85	31	0	4	23	2	4.85	10.33	74	3.20	74	11	3.4	11.5	64	8	0	1	8	3	1	
FEB	49.5	25.8	37.7	79	77	27	-14	86	1	0	2	20	1	4.10	9.42	58	2.02	88	13	3.3	18.5	60	10	0	0	14	8	3	1
MAR	58.7	33.3	46.0	86	83	31	-4	80	4	0	0	18	0	5.82	12.26	75	4.18	83	12	2.8	21.5	60	14	0	10	10	4	2	
APR	70.3	42.0	56.2	89	85	25	20	80	11	0	0	8	0	4.33	8.82	77	3.85	77	5	0.0	0.1	57							
MAY	77.7	50.2	64.0	94	83	31	26	83	2	1	0	1	0	4.35	8.84	74	3.67	73	28	0.0									
JUN	84.0	58.3	71.2	100	82	30	34	88	1	5	0	0	0	4.85	8.27	53	2.71	53	22	0.0									
JUL	87.2	62.7	75.0	105	82	28	42	83	18	10	0	0	0	4.81	13.32	87	8.44	85	24	0.0									
AUG	86.5	62.2	74.4	100	80	10	40	78	31	8	0	0	0	3.85	7.44	58	3.84	57	15	0.0									
SEP	81.3	55.8	68.5	104	84	5	32	87	30	3	0	0	0	3.00	7.47	57	2.54	84	28	0.0									
OCT	70.3	42.6	56.4	94	83	1	16	82	22	0	0	8	0	3.02	6.23	78	3.18	77	9	0.0									
NOV	58.4	33.1	45.7	82	61	2	7	76	30	0	0	16	0	4.31	10.88	70	4.88	73	27	0.4	2.5	52	5	0	7	7	3	1	
DEC	48.7	27.2	38.0	72	58	7	-11	82	14	0	2	22	0	5.08	10.00	51	3.40	89	31	1.7	7.8	76	8	0	8	3	2		
YR	68.2	43.1	55.7	105	82	15	85	31	27	9	110	3	52.28	13.32	87	8.44	85	24	11.4	21.5	60	14	0	10	8	3	6	14	

### LAST SPRING AND FIRST FALL OCCURRENCE OF 32 F MINIMUM TEMPERATURE

MIDDLESBORO 1951-1980

YEAR	LAST SPRING OCCURRENCE	CONSECUTIVE DAYS BETWEEN LAST AND FIRST OCCURRENCE	FIRST FALL OCCURRENCE
1951	APR 18	188	NOV 3
1952	APR 17	170	OCT 4
1953	APR 28	163	OCT 8
1954	MAY 10	162	OCT 18
1955	APR 25	188	OCT 25
1956	APR 25	188	NOV 8
1957	MAY 7	185	OCT 18
1958	APR 14	181	OCT 12
1959	APR 24	178	OCT 19
1960	MAY 14	180	OCT 21
1961	MAY 27	141	OCT 15
1962	APR 24	183	OCT 24 M
1963	MAY 2 M	188	OCT 17
1964	APR 11	178	OCT 7
1965	APR 17	171	OCT 5
1966	MAY 10	164	OCT 21
1967	APR 28	154	SEP 30
1968	MAY 7	151	OCT 8 M
1969	MAY 1	170	OCT 18
1970	APR 11	188	OCT 17
1971	MAY 5	183	NOV 4
1972	APR 28	175	OCT 20
1973	MAY 18	152	OCT 17
1974	MAY 7	148	OCT 3
1975	APR 17	187	OCT 31
1976	MAY 5	185	OCT 18
1977	MAY 11	158	OCT 17
1978	APR 28	170	OCT 15
1979	APR 18	178	OCT 14
1980	MAY 10 M	156	OCT 13
MEAN	APR 28	171	OCT 17
STD	12	16	10

### HEATING DEGREE DAYS

YR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1951	739	629	496	281	63	0	0	0	31	206	671	727	3943
1952	610	507	525	221	44	0	0	0	30	395	584	762	3768
1953	674	608	426	288	15	0	0	0	29	194	607	813	3654
1954	801	526	556	116	192	10	0	0	10	253	611	824	3899
1955	856	656	438	149	27	27	0	0	0	251	592	846	3842
1956	943	547	506	328	43	23	0	2	67	132	577	470	3638
1957	828	504	539	202	63	0	0	0	26	329	508	728	3727
1958	978	982	657	215	64	1	0	0	26	252	466	942	4583
1959	867	613	592	237	37	13	0	0	4	203	583	711	3860
1960	770	806	922	201	159	0	0	0	7	170	542	991	4568
1961	999	536	413	408	157	7	2	0	33	257	449	768	4029
1962	865	529	606	354	13	1	1	0	68	395	597	972	4220
1963	1037	910	390	227	97	0	0	0	46	169	562	1139	4580
1964	973	902	637	238	56	13	0	18	50	384	460	810	4541
1965	850	831	709	224	26	6	0	4	40	338	546	822	4396
1966	1077	811	594	363	126	33	0	0	46	355	557	907	4869
1967	820	900	471	230	172	19	9	2	103	315	682	722	4445
1968	985	1037	610	294	133	5	0	11	31	295	601	949	4951
1969	991	815	842	275	102	19	0	0	57	303	696	981	5081
1970	1164	839	654	276	99	6	0	0	29	199	605	736	4607
1971	980	816	749	362	189	1	0	0	2	106	584	562	4351
1972	830	882	661	345	104	60	8	0	4	330	586	688	4498
1973	929	813	416	360	193	3	0	0	19	164	491	838	4226
1974	994	725	450	320	95	33	0	0	87	387	547	836	4074
1975	803	651	663	388	39	2	0	0	84	221	554	852	4257
1976	1056	634	476	318	192	8	0	9	48	438	800	1000	4977
1977	1396	911	526	222	79	34	0	0	20	369	495	921	4973
1978	1247	1050	678	265	158	8	0	0	1	326	412	832	4977
1979	1116	952	573	284	137	14	0	6	24	336	546	853	4841
1980	947	1000	711	337	135	17	0	0	23	364	635	882	4951
SRM	27625	23002	17486	8326	3009	363	23	52	1053	8041	17146	24894	127004
MEAN	921	767	583	278	100	12	1	2	35	277	572	829	4379
STD	177	169	129	71	59	14	2	4	27	88	135	135	466

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### MEAN MONTHLY TEMPERATURE

YR	MIDDLESBORO												ANNUAL		
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC			
1951	40.9	42.3	48.8	56.6	65.5	73.1	76.2	75.3	68.4	59.4	42.4	41.4	57.5		
1952	45.3	44.4	47.9	57.7	66.4	78.5	78.9	75.2	66.8	52.1	45.3	40.3	58.2		
1953	43.0	43.1	51.1	56.3	70.0	75.7	75.8	75.0	68.6	59.3	44.5	38.6	58.4		
1954	38.9	46.0	47.0	62.8	60.8	73.8	78.4	77.2	72.3	59.3	44.4	38.3	56.3		
1955	37.1	41.3	51.0	60.7	67.4	67.5	77.9	77.5	71.8	57.6	45.1	37.6	57.7		
1956	34.4	45.9	48.8	54.8	67.1	72.1	75.1	74.5	66.0	61.5	45.6	49.6	58.0		
1957	38.1	46.3	47.4	60.2	66.9	74.0	75.1	70.0	54.3	47.9	41.3	57.9	57.9		
1958	33.2	29.7	43.6	58.0	65.7	71.5	77.1	74.6	68.6	56.7	49.6	34.4	55.2		
1959	36.8	42.9	45.7	57.8	68.6	71.1	76.4	77.0	70.3	60.1	45.4	41.8	57.8		
1960	39.9	37.0	35.1	58.8	61.9	71.3	75.2	75.7	70.9	60.6	46.7	32.8	55.5		
1961	32.6	45.6	51.4	51.7	60.7	69.2	73.4	73.9	71.2	56.8	50.3	40.0	56.4		
1962	36.8	45.9	45.2	53.8	71.1	71.6	74.3	74.3	67.3	M	M	44.5	33.3		
1963	31.3	32.3	52.3	58.2	M	63.4	M	71.4	71.2	73.9	67.0	59.4	46.1	28.1	54.6
1964	33.4	33.6	44.3	57.4	65.3	72.1	74.4	72.2	66.5	52.5	49.4	38.6	55.0		
1965	37.3	35.1	41.9	M	58.0	67.5	70.4	74.4	74.2	69.5	54.2	46.6	38.3	55.6	
1966	30.0	35.8	45.8	53.3	62.1	69.5	76.4	72.9	65.5	53.3	46.2	35.6	53.9		
1967	38.3	32.7	49.9	57.6	60.6	70.6	70.5	70.4	62.7	55.1	42.0	41.5	54.3		
1968	33.1	29.0	45.0	55.2	61.9	70.5	74.2	75.3	65.6	55.8	44.7	34.1	53.7		
1969	32.7	M	35.7	37.7	55.9	62.8	71.0	77.1	72.9	66.0	M	55.1	41.6	33.2	53.5
1970	27.3	34.9	43.6	56.2	64.5	70.1	73.7	74.6	71.8	58.9	44.7	41.2	55.1		
1971	33.2	35.6	M	40.6	52.8	59.2	73.0	73.0	72.7	70.8	62.7	45.5	M	46.7	55.5
1972	38.1	34.4	43.5	54.1	61.8	66.2	73.2	73.8	70.3	54.1	45.3	M	42.6	54.8	
1973	34.8	35.7	51.4	53.1	59.1	72.3	75.0	73.9	70.9	60.7	48.4	37.7	56.1		
1974	45.6	38.9	M	50.3	54.3	64.4	67.2	73.8							