

ANNUAL CLIMATOLOGICAL SUMMARY

NAME: BelmontCC CITY: Ashburn STATE: Virginia
 ELEV: 314 ft LAT: 39° 06' 00" N LONG: 77° 30' 00" W

TEMPERATURE (°F), HEAT BASE 65.0, COOL BASE 65.0

| YR | MO | MEAN MAX | MEAN MIN | MEAN | DEP. | HEAT | COOL | HI | DATE | LOW | DATE | MAX >=90 | MAX <=32 | MIN <=32 | MIN <=0 |
|----|----|-------------|-------------|------|--------------|-------------|-------------|------|------|------|------|-------------|-------------|-------------|------------|
| | | | | | FROM NORM | DEG DAYS | DEG DAYS | | | | | | | | |
| 09 | 1 | 37.7 | 22.6 | 29.6 | -2.1 | 1096 | 0 | 57.3 | 23 | 3.6 | 17 | 0 | 6 | 28 | 0 |
| 09 | 2 | 48.4 | 27.3 | 37.9 | 3.1 | 760 | 1 | 69.9 | 11 | 13.8 | 6 | 0 | 1 | 23 | 0 |
| 09 | 3 | 53.6 | 34.7 | 44.1 | 0.7 | 657 | 8 | 75.5 | 8 | 13.5 | 3 | 0 | 2 | 12 | 0 |
| 09 | 4 | 66.8 | 44.3 | 55.4 | 2.3 | 353 | 65 | 93.3 | 25 | 31.2 | 13 | 3 | 0 | 1 | 0 |
| 09 | 5 | 73.6 | 54.6 | 63.9 | 1.6 | 136 | 103 | 85.2 | 23 | 39.5 | 19 | 0 | 0 | 0 | 0 |
| 09 | 6 | 82.6 | 62.6 | 72.3 | 1.4 | 27 | 246 | 91.1 | 25 | 47.7 | 1 | 2 | 0 | 0 | 0 |
| 09 | 7 | 85.3 | 64.1 | 74.5 | -1.2 | 10 | 304 | 93.2 | 16 | 56.4 | 14 | 4 | 0 | 0 | 0 |
| 09 | 8 | 86.3 | 67.8 | 76.7 | 2.3 | 3 | 364 | 94.3 | 18 | 58.0 | 31 | 7 | 0 | 0 | 0 |
| 09 | 9 | 75.3 | 59.2 | 66.9 | -0.4 | 64 | 120 | 86.7 | 23 | 48.7 | 29 | 0 | 0 | 0 | 0 |
| 09 | 10 | 64.1 | 46.9 | 55.4 | 0.4 | 325 | 27 | 84.8 | 9 | 36.2 | 20 | 0 | 0 | 0 | 0 |
| 09 | 11 | 58.1 | 40.5 | 49.2 | 4.0 | 477 | 4 | 72.8 | 8 | 28.4 | 7 | 0 | 0 | 2 | 0 |
| 09 | 12 | 42.0 | 28.2 | 35.1 | -0.9 | 928 | 0 | 60.3 | 3 | 16.8 | 24 | 0 | 2 | 23 | 0 |
| | | 64.6 | 46.2 | 55.2 | 0.9 | 4834 | 1242 | 94.3 | AUG | 3.6 | JAN | 16 | 11 | 89 | 0 |

PRECIPITATION (in)

| YR | MO | TOTAL | DEP. | MAX | DAYS OF RAIN OVER | DATE | .01 | .1 | 1 |
|----|----|-------|--------------|-------------|----------------------|------|-----|----|---|
| | | | FROM NORM | OBS. DAY | | | | | |
| 09 | 1 | 2.72 | -0.33 | 1.24 | 7 | 6 | 5 | 1 | |
| 09 | 2 | 0.42 | -2.35 | 0.18 | 27 | 5 | 1 | 0 | |
| 09 | 3 | 2.24 | -1.31 | 0.87 | 28 | 12 | 6 | 0 | |
| 09 | 4 | 3.85 | 0.63 | 1.48 | 20 | 7 | 6 | 1 | |
| 09 | 5 | 8.56 | 4.34 | 1.38 | 26 | 17 | 13 | 3 | |
| 09 | 6 | 6.11 | 2.04 | 2.17 | 18 | 11 | 10 | 1 | |
| 09 | 7 | 1.62 | -1.95 | 0.49 | 31 | 7 | 5 | 0 | |
| 09 | 8 | 3.68 | -0.10 | 1.13 | 21 | 10 | 6 | 2 | |
| 09 | 9 | 2.09 | -1.73 | 0.95 | 26 | 11 | 6 | 0 | |
| 09 | 10 | 4.82 | 1.45 | 1.05 | 17 | 10 | 8 | 1 | |
| 09 | 11 | 3.44 | 0.13 | 0.81 | 11 | 11 | 9 | 0 | |
| 09 | 12 | 5.40 | 2.33 | 1.30 | 19 | 12 | 10 | 1 | |
| | | 44.95 | 3.15 | 2.17 | JUN | 119 | 85 | 10 | |

WIND SPEED (mph)

| YR | MO | AVG. | HI | DATE | DOM |
|----|----|------|------|------|-----|
| | | | | | DIR |
| 09 | 1 | 2.5 | 28.0 | 8 | W |
| 09 | 2 | 4.5 | 40.0 | 12 | WNW |
| 09 | 3 | 2.9 | 36.0 | 9 | SSE |
| 09 | 4 | 3.0 | 36.0 | 4 | W |
| 09 | 5 | 1.7 | 28.0 | 14 | SSE |
| 09 | 6 | 1.4 | 28.0 | 9 | NNW |
| 09 | 7 | 1.1 | 23.0 | 25 | SSE |
| 09 | 8 | 1.0 | 21.0 | 21 | NNW |
| 09 | 9 | 1.4 | 21.0 | 28 | N |
| 09 | 10 | 1.8 | 31.0 | 7 | SSE |
| 09 | 11 | 2.3 | 30.0 | 27 | N |
| 09 | 12 | 2.7 | 33.0 | 29 | W |
| | | 2.2 | 40.0 | FEB | W |

ANNUAL CLIMATOLOGICAL SUMMARY

NAME: BelmontCC CITY: Ashburn STATE: Virginia
 ELEV: 314 ft LAT: 39° 06' 00" N LONG: 77° 30' 00" W

TEMPERATURE (°F), HEAT BASE 65.0, COOL BASE 65.0

| YR | MO | MEAN MAX | MEAN MIN | MEAN | DEP. FROM NORM | HEAT DEG DAYS | COOL DEG DAYS | HI | DATE | LOW | DATE | MAX >=90 | MAX <=32 | MIN <=32 | MIN <=0 |
|----|----|-------------|-------------|------|----------------------|---------------------|---------------------|------|------|------|------|-------------|-------------|-------------|------------|
| | | | | | | | | | | | | | | | |
| 10 | 1 | 40.4 | 25.7 | 32.4 | 0.7 | 1011 | 0 | 63.8 | 25 | 13.9 | 3 | 0 | 6 | 24 | 0 |
| 10 | 2 | 38.3 | 25.4 | 32.1 | -2.7 | 920 | 0 | 48.6 | 21 | 12.8 | 15 | 0 | 3 | 23 | 0 |
| 10 | 3 | 58.7 | 39.5 | 48.9 | 5.5 | 510 | 10 | 76.2 | 21 | 29.1 | 27 | 0 | 0 | 5 | 0 |
| 10 | 4 | 70.8 | 46.1 | 58.9 | 5.8 | 264 | 81 | 92.4 | 6 | 35.1 | 18 | 2 | 0 | 0 | 0 |
| 10 | 5 | 75.5 | 57.2 | 66.7 | 4.4 | 113 | 166 | 89.7 | 27 | 37.0 | 10 | 0 | 0 | 0 | 0 |
| 10 | 6 | 85.5 | 67.2 | 76.5 | 5.6 | 7 | 351 | 95.4 | 24 | 53.2 | 8 | 7 | 0 | 0 | 0 |
| 10 | 7 | 89.9 | 69.0 | 79.6 | 3.9 | 6 | 457 | 99.1 | 24 | 55.0 | 3 | 17 | 0 | 0 | 0 |
| 10 | 8 | 86.2 | 68.2 | 76.8 | 2.4 | 2 | 368 | 96.7 | 10 | 59.4 | 27 | 9 | 0 | 0 | 0 |
| 10 | 9 | 82.1 | 60.0 | 70.8 | 3.5 | 45 | 220 | 95.9 | 1 | 49.9 | 21 | 6 | 0 | 0 | 0 |
| 10 | 10 | 67.6 | 48.0 | 57.6 | 2.6 | 273 | 45 | 84.1 | 11 | 35.6 | 30 | 0 | 0 | 0 | 0 |
| 10 | 11 | 56.0 | 37.0 | 46.0 | 0.8 | 552 | 0 | 64.5 | 14 | 23.5 | 29 | 0 | 0 | 7 | 0 |
| 10 | 12 | 36.6 | 25.5 | 30.7 | -5.3 | 933 | 0 | 63.5 | 1 | 16.3 | 17 | 0 | 6 | 27 | 0 |
| | | 65.9 | 47.6 | 56.6 | 2.3 | 4638 | 1699 | 99.1 | JUL | 12.8 | FEB | 41 | 15 | 86 | 0 |

PRECIPITATION (in)

| YR | MO | TOTAL | DEP. FROM NORM | MAX OBS. DAY | DATE | DAYS OF RAIN OVER | | |
|----|----|-------|----------------------|--------------------|------|----------------------|----|---|
| | | | | | | .01 | .1 | 1 |
| 10 | 1 | 2.33 | -0.72 | 0.81 | 25 | 8 | 6 | 0 |
| 10 | 2 | 2.78 | 0.01 | 1.08 | 6 | 8 | 6 | 1 |
| 10 | 3 | 3.63 | 0.08 | 0.67 | 28 | 13 | 8 | 0 |
| 10 | 4 | 1.60 | -1.62 | 0.58 | 25 | 6 | 5 | 0 |
| 10 | 5 | 4.78 | 0.56 | 1.81 | 23 | 8 | 7 | 1 |
| 10 | 6 | 1.15 | -2.92 | 0.37 | 28 | 10 | 4 | 0 |
| 10 | 7 | 2.64 | -0.93 | 0.56 | 29 | 10 | 6 | 0 |
| 10 | 8 | 3.06 | -0.72 | 1.30 | 18 | 7 | 4 | 2 |
| 10 | 9 | 5.57 | 1.75 | 3.35 | 30 | 8 | 6 | 1 |
| 10 | 10 | 2.96 | -0.41 | 1.25 | 27 | 7 | 5 | 1 |
| 10 | 11 | 1.95 | -1.36 | 0.81 | 16 | 8 | 3 | 0 |
| 10 | 12 | 1.49 | -1.58 | 0.93 | 1 | 4 | 3 | 0 |
| | | 33.94 | -7.86 | 3.35 | SEP | 97 | 63 | 6 |

WIND SPEED (mph)

| YR | MO | AVG. | HI | DATE | DOM |
|----|----|------|------|------|-----|
| | | | | | DIR |
| 10 | 1 | 3.9 | 36.0 | 25 | W |
| 10 | 2 | 4.2 | 38.0 | 26 | W |
| 10 | 3 | 3.4 | 31.0 | 13 | W |
| 10 | 4 | 2.1 | 25.0 | 8 | W |
| 10 | 5 | 1.7 | 25.0 | 8 | SSE |
| 10 | 6 | 1.2 | 21.0 | 17 | SSE |
| 10 | 7 | 1.1 | 26.0 | 25 | SSE |
| 10 | 8 | 1.3 | 25.0 | 4 | SSE |
| 10 | 9 | 1.6 | 25.0 | 30 | SSE |
| 10 | 10 | 1.8 | 30.0 | 1 | W |
| 10 | 11 | 2.2 | 28.0 | 17 | W |
| 10 | 12 | 4.3 | 40.0 | 23 | W |
| | | 2.4 | 40.0 | DEC | W |