

Arkansas Chilling Hour Reports Archive (2017-2021)

2017-2018 Arkansas Chilling Hours Report

Clarksville, Fruit Research Station (Zone 7a)

Average Temperature for November 1, 2017-April 15, 2018

Date Range	Average Low Temperature (F°)	Average High Temperature (F°)
November 1-21, 2017	46.9	63.2
November 22, 2017-January 18, 2018	30.8	48.5
January 19-February 20, 2018	35.4	52.2
February 21-March 20, 2018	38.6	56.3
March 21-April 15, 2018	43.0	63.4
Average Temperature	38.9	56.7

Chilling Units for November 1, 2017-April 15, 2018

Date Range	Chill Model Units	Utah Model Units
November 1-21, 2017	76.5	105.1
November 22, 2017-January 18, 2018	410.0	452.4
January 19-February 20, 2018	245.0	233.6
February 21-March 20, 2018*	64.6	90.1
March 21-April 15, 2018	138.7	102.6
Cumulative Units	934.8	983.8

**A technical malfunction with the weather station between February 21st and March 7th resulted in the loss of recorded chill hours in both the Chill Model and Utah Model. The temperature did drop between 34-45°F for nine days and therefore the cumulative chill hours are greater than what is represented in this table.*

Hope, Southwest Research Station (Zone 8a)

Average Temperature for December 4, 2017-April 2018

Date Range	Average Low Temperature (F°)	Average High Temperature (F°)
December 4-20, 2017	33.7	64.3
December 21, 2017-January 24, 2018	28.3	55.8
January 25-February 27, 2018	37.2	62.7
February 28-March 22, 2018	41.5	74.4
March 23-April 15, 2018	81.8	47.2
Average Temperature	44.5	60.8

Chilling Units for December 4, 2017-April 2018

Date Range	Chill Model Units	Utah Model Units
December 4-20, 2017	121.0	115.0
December 21, 2017-January 24, 2018	235.0	215.0
January 25-February 27, 2018	242.5	205.0
February 28-March 22, 2018	106.0	53.0
March 23-April 15, 2018	66.0	27.0
Cumulative Units	770.5	615.0

2018-2019 Arkansas Chilling Hours Report

Clarksville, Fruit Research Station (Zone 7a)

Average Temperature for November 1, 2018-April 15, 2019

Date Range	Average Low Temperature (F°)	Average High Temperature (F°)
November 1-21, 2018	34.8	52.9
November 22, 2018-January 18, 2019	36.0	52.3
January 19-February 20, 2019	31.4	49.6
February 21-March 20, 2019	36.6	53.2
March 21-April 15, 2019	47.1	67.1
Average Temperature	37.2	55.0

Chilling Units for November 1, 2018-April 15, 2019

Date Range	Chill Model Units	Utah Model Units
November 1-21, 2018	214.0	265.7
November 22, 2018-January 18, 2019	680.7	761.9
January 19-February 20, 2019	324.3	291.5
February 21-March 20, 2019	269.2	349.4
March 21-April 15, 2019	79.7	-9.0
Cumulative Units	1567.9	1659.5

Hope, Southwest Research Station (Zone 8a)

Average Temperature for December 7, 2018-April 15, 2019

Date Range	Average Low Temperature (F°)	Average High Temperature (F°)
December 7-20, 2018	34.5	55.0
December 21, 2018- January 24, 2019	31.1	56.9
January 25-February 27, 2019	25.5	67.7
February 28-March 22, 2019	33.6	63.7
March 23-April 15, 2019	40.8	77.7
Average Temperature	33.1	64.2

Chilling Units for December 7, 2018-April 15, 2019

Date Range	Chill Model Units	Utah Model Units
December 7-20, 2018	145.3	181.8
December 21, 2018-January 24, 2019	377.0	359.7
January 25-February 27, 2019	253.0	213.5
February 28-March 22, 2019	140.2	132.0
March 23-April 15, 2019	90.0	-16.0
Cumulative Units	1005.5	871.0

2019-2020 Arkansas Chilling Hours Report

Clarksville, Fruit Research Station (Zone 7a)

Average Temperature for November 1, 2019-April 15, 2020

Date Range	Average Low Temperature (F°)	Average High Temperature (F°)
November 1-30, 2019	37.1	56.7
December 1-31, 2019	36.6	54.1
January 1-29, 2020	35.4	50.4
January 30-February 29, 2020	34.7	50.9
March 1-31,2020	47.4	60.2
April 1-15, 2020	46.8	66.1
Average Temperature	39.7	56.4

Chilling Units for November 1, 2019-April 15, 2020

Date Range	Chill Model Units	Utah Model Units
November 1-30, 2019	236.6	311.7
December 1-31, 2019	370.4	404.9
January 1-29, 2020	317.3	371.0
January 30-February 29, 2020	373.2	438.5
March 1-31,2020	100.1	118.6
April 1-15, 2020	57.2	14.7
Cumulative Units	1481.8	1659.4

Hope, Southwest Research Station (Zone 8a)

Average Temperature for November 1, 2019-April 15, 2020

Date Range	Average Low Temperature (F°)	Average High Temperature (F°)
November 1-30, 2019	33.5	61.0
December 1-31, 2019	31.0	57.4
January 1-29, 2020	31.9	55.0
January 30-February 29, 2020	31.9	55.2
March 1-31,2020	45.9	67.9
April 1-15, 2020	46.6	74.2
Average Temperature	36.8	61.8

Chilling Units for November 1, 2019-April 15, 2020

Date Range	Chill Model Units	Utah Model Units
November 1-30, 2019	323.5	98.1
December 1-31, 2019	119.6	274.9
January 1-29, 2020	252.5	276.6
January 30-February 29, 2020	313.4	320.5
March 1-31,2020	100.2	57.0
April 1-15, 2020	56.1	-34.8
Cumulative Units	1165.3	992.3

2020-2021 Arkansas Chilling Hours Report

Clarksville, Fruit Research Station (Zone 7a)

Average Temperature for November 1, 2020-April 15, 2021

Date Range	Average Low Temperature (F°)	Average High Temperature (F°)
November 1-16, 2020	47.8	67.8
November 17-30, 2020	42.3	59.1
December 1-15, 2020	34.6	51.6
December 16-31, 2020	32.9	51.3
January 1-15, 2021	31.0	45.2
January 16-31, 2021	34.3	50.4
February 1-15, 2021	24.7	37.4
February 16-28, 2021	29.0	49.0
March 1-15, 2021	46.1	63.5
March 16-31, 2021	46.0	64.9
April 1-15, 2021	48.5	69.1
Average Temperature	37.9	55.4

Chilling Units for November 1, 2020-April 15, 2021

Date Range	Chill Model Units	Utah Model Units
November 1-16, 2020	78.7	-22.2
November 17-30, 2020	166.1	132.7
December 1-15, 2020	232.1	203.1
December 16-31, 2020	240.8	213.8
January 1-15, 2021	279.8	214.3
January 16-31, 2021	288.3	253.2
February 1-15, 2021	173.8	126
February 16-28, 2021	131.5	98.6
March 1-15, 2021	109.4	41.3
March 16-31, 2021	97.7	27.0
April 1-15, 2021	65.0	-55.4
Cumulative Units	1863	1232

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November 1-16, 2020	47.8	67.8
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December 1-15, 2020	34.6	51.6
December 16-31, 2020	32.9	51.3
January 1-15, 2021	31.0	45.2
January 16-31, 2021	34.3	50.4
February 1-15, 2021	24.7	37.4
February 16-28, 2021	29.0	49.0
March 1-15, 2021	46.1	63.5
March 16-31, 2021	46.0	64.9
April 1-15, 2021	48.5	69.1
Average Temperature	37.9	55.4

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January 16-31, 2021	288.3	253.2
February 1-15, 2021	173.8	126
February 16-28, 2021	131.5	98.6
March 1-15, 2021	109.4	41.3
March 16-31, 2021	97.7	27.0
April 1-15, 2021	65.0	-55.4
Cumulative Units	1863	1232

*Chilling hours for Hope, AR were calculated using the chill hours app developed by Mississippi State University Extension. [The chilling hours app can be found here.](#)

**Average high and low temperature data were collected from: <https://www.wunderground.com/history/monthly/us/ar/texarkana/KTXK>