

## 2. CLIMATE AND RAINFALL

### 2.1 TEMPERATURE AT SELECT STATIONS DURING 2015-16

Name of the Station: Agri. Research Station, Kovilangulam.

Months	Mean Maximum		Mean Minimum		Humidity	
	Normal °C	Actual °C	Normal °C	Actual °C	8.30hrs %	14.30 hrs %
2015 April	37.6	36.7	25.0	24.2	76.0	63.0
May	37.4	37.0	25.3	24.9	71.4	62.2
June	37.8	37.3	25.2	25.6	71.4	60.3
July	37.3	37.9	25.0	25.1	71.4	58.8
August	36.4	37.4	23.7	24.7	73.4	62.6
September	36.0	37.0	23.1	25.0	74.0	58.0
October	34.0	34.2	22.7	24.1	79.8	65.2
November	31.4	30.6	21.8	23.1	86.0	71.6
December	30.6	30.5	20.5	22.1	88.2	71.4
2016 January	30.5	31.7	19.0	20.0	81.0	61.0
February	33.3	34.6	20.1	21.9	81.0	57.0
March	36.0	37.6	22.6	23.9	74.0	58.0

Source: Professor, Agricultural Research Station, Kovilangulam.

Name of the Station: Cotton Research Station, Srivilliputhur.

Months	Mean Maximum		Mean Minimum		Humidity	
	Normal	Actual	Normal	Actual	8.30hrs	14.30hrs
2015 April	34.9	34.8	24.8	29.1	87.8	75.3
May	34.2	34.6	29.4	28.5	88.2	72.7
June	35.8	36.2	30.1	29.8	89.5	68.4
July	36.1	37.6	23.1	31.1	90.4	58.3
August	35.0	38.3	24.5	30.9	87.2	56.1
September	33.4	37.6	23.8	30.7	76.5	61.2
October	31.7	37.1	23.8	28.0	91.3	79.7
November	30.0	35.1	22.6	27.2	90.2	57.4
December	29.8	34.8	26.8	28.6	88.3	65.7
2016 January	31.4	33.8	26.9	27.5	86.7	66.2
February	31.7	38.8	25.8	25.1	85.9	61.9
March	33.9	40.7	24.8	27.2	82.6	58.8

Source: Professor, Cotton Research Station, Srivilliputhur.

Name of the Station: Ground Water sub Division, PWD, Virudhunagar

Months	Mean Maximum		Mean Minimum		Humidity	
	Normal	Actual	Normal	Actual	8.30hrs	17.30hrs
2015April	--	36.933	--	24.333	77.033	60.733
May	--	36.177	--	24.839	79.548	69.290
June	--	36.730	--	24.883	70.367	60.333
July	--	37.855	--	24.581	63.064	52.516
August	--	37.565	--	24.323	67.226	54.871
September	--	37.483	--	24.067	65.367	55.667
October	--	33.532	--	24.081	76.838	71.484
November	--	30.150	--	22.650	80.933	82.000
December	--	29.629	--	21.984	81.452	76.484
2016January	--	31.758	--	20.161	80.355	55.452
February	--	34.741	--	21.241	79.994	40.448
March	--	38.016	--	23.661	72.065	33.387

Source: A.E. Ground Water Sub Division, PWD, Virudhunagar

## 2.2 MONTH- WISE AND SEASON-WISE RAINFALL IN VIRUDHUNAGAR DISTRICT (In Millimeter)

Period Month	Normal Rainfall	Actual Rainfall	% Deviation
<b>1. SOUTH WEST MONSOON PERIOD</b>			
June15	22.1	15.0	-32.0
July 15	35.8	30.4	-15.0
August15	51.4	28.6	-44.0
September15	87.5	80.4	-8.0
Total	<b>196.8</b>	<b>154.4</b>	<b>-22.0</b>
<b>2. NORTH EAST MONSOON PERIOD</b>			
October 16	180.7	105.2	-42.0
November 16	172.7	282.6	64.0
December 16	65.6	125.7	92.0
Total	<b>419</b>	<b>513.5</b>	<b>23.0</b>
<b>3. WINTER PERIOD</b>			
January 16	18.8	3.0	-84.0
February 16	24	0.0	-100.0
Total	<b>42.8</b>	<b>3.0</b>	<b>-93.0</b>
<b>4. HOT WEATHER PERIOD</b>			
March 16	28.8	1.7	-94.0
April 16	67.5	3.1	-95.0
May 16	65.4	77.6	19.0
Total	<b>161.7</b>	<b>82.4</b>	<b>-49.0</b>
GRAND TOTAL	<b>820.3</b>	<b>753.3</b>	<b>-8.0</b>

Source: DES , Chennai

**2.3 TIME SERIES DATA OF RAINFALL BY SEASONS(LAST 12 YEARS)**

Sl.No.	Year	South West Monsoon		North East Monsoon		Winter Season Monsoon	
		Normal	Actual	Normal	Actual	Normal	Actual
1	2004-2005	181.8	193.9	431.2	318.3	42.0	0.6
2	2005-2006	181.8	135.4	431.2	625.5	42.0	12.4
3	2006-2007	181.8	88.0	431.2	623.3	42.0	10.8
4	2007-2008	181.8	124.3	431.2	514.1	42.0	38.3
5	2008-2009	181.8	148.9	431.2	487.3	42.0	2.2
6	2009-2010	181.8	78.3	431.2	331.1	42.0	0.1
7	2010-2011	181.8	207.3	431.2	555.8	42.8	48.4
8	2011-2012	196.8	145.9	419.0	505.0	42.8	23.9
9	2012-2013	196.8	80.1	419.0	264.6	42.8	42.3
10	2013-2014	196.8	189.5	419.0	296.7	42.8	5.0
11	2014-2015	196.8	144.3	419.0	308.1	42.8	9.9
12	2015-2016	196.8	154.4	419.0	513.5	42.8	3.0

Sl.No.	Year	Hot Weather Season		Total Monsoon		% Deviation (+ or – or =from normal)
		Normal	Actual	Normal	Actual	
1	2004-2005	174.6	232.1	829.6	961.9	+15.9
2	2005-2006	174.6	258.1	829.6	1031.4	+24.3
3	2006-2007	174.6	146.0	829.6	868.1	+4.6
4	2007-2008	174.6	357.2	829.6	1033.9	+25
5	2008-2009	174.6	124.4	829.6	762.8	-8.1
6	2009-2010	174.6	93.7	829.6	503.2	-39.3
7	2010-2011	161.5	104.7	817.3	916.2	12.1
8	2011-2012	161.5	142.5	820.1	817.3	-0.3
9	2012-2013	161.5	89.0	820.1	476.0	-42.0
10	2013-2014	161.5	191.2	820.1	682.4	-16.8
11	2014-2015	161.5	201.2	820.1	663.5	-19.1
12	2015-2016	161.7	82.4	820.3	753.3	-8.0

Source: DES , Chennai