

2. CLIMATE AND RAINFALL

2.1 TEMPERATURE AT SELECT STATIONS DURING 2009-2010

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 %
2009April	37.0	34.6	24.8	21.2	84	47
May	37.5	37.4	25.0	23.8	68	49
June	37.6	36.8	25.2	24.3	67	44
July	36.8	37.0	24.9	23.8	60	45
August	36.3	36.6	24.9	23.2	64	49
September	35.4	36.7	24.2	24.4	75	53
October	33.1	33.6	22.4	23.7	64	58
November	30.3	30.9	22.3	23.3	88	81
December	29.8	29.5	20.8	22.4	89	80
2010 January	30.1	30.7	19.5	21.8	90	83
February	32.9	33.5	21.6	22.1	86	70
March	35.7	36.5	22.5	22.5	86	57

Source: Professor, Agricultural Research Station, Kovilangulam.

Name of the Station: Cotton Research Station, Sriviliiputhur.

Months	Mean Maximum		Mean Minimum		Humidity	
	Normal	Actual	Normal	Actual	8.30hrs	14.30hrs
2009 April	37.2	36.0	24.4	24.2	84.3	53.2
May	37.5	36.7	23.3	24.8	82.5	48.9
June	30.1	37.2	24.5	24.6	77.6	44.0
July	35.8	35.3	24.2	24.3	84.0	50.2
August	35.8	35.3	24.4	23.9	81.2	49.8
September	35.8	35.7	24.2	24.4	79.3	52.0
October	33.2	36.0	23.4	23.1	80.1	50.0
November	31.1	30.2	22.8	23.0	89.3	68.1
December	29.6	30.1	21.8	21.9	83.5	73.5
2010 January	30.5	30.9	20.1	21.8	85.6	67.5
February	33.3	32.9	20.8	22.6	83.6	59.7
March	35.7	35.3	22.3	23.5	80.6	49.7

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
2009April	--	36.967	--	24.433	76.97	58.13
May	--	38.094	--	24.581	76.645	63.194
June	--	37.60	--	24.717	72.967	57.767
July	--	36.790	--	25.210	72.935	58.194
August	--	36.726	--	24.790	73.452	62.226
September	--	36.150	--	24.383	74.867	62.90
October	--	35.742	--	23.323	74.194	56.419
November	--	30.950	--	22.600	80.967	76.433
December	--	30.097	--	21.290	79.935	69.645
2010January	--	31.726	--	19.661	79.548	62.032
February	--	34.321	--	20.625	79.429	51.643
March	--	37.871	--	22.113	76.935	50.161

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

**2.2 MONTH- WISE AND SEASON-WISE RAINFALL DURING THE YEAR
2009-2010 (Millimeter)**

Period Month	Normal Rainfall	Actual Rainfall	% Deviation
1. SOUTH WEST MONSOON PERIOD			
June 09	18.3	1.7	-90.7
July 09	31.1	0.0	-100
August 09	51.6	16.5	-68
September09	80.8	60.1	-25.6
Total	181.8	78.3	-56.9
2. NORTH EAST MONSOON PERIOD			
October 09	191.0	38.8	-79.7
November 09	175.5	264.1	50.5
December 09	64.7	28.2	-56.4
Total	431.2	331.1	-23.2
3. WINTER PERIOD			
January 10	18.5	0.1	-99.5
February 10	23.5	0	-100
Total	42.0	0.1	-99.8
4. HOT WEATHER PERIOD			
March 10	37.6	0	-100
April 10	76.8	20.6	-73.2
May 10	60.2	73.1	21.4
Total	174.6	174.6	-46.3
GRAND TOTAL	829.6	503.2	-39.3

Source: Asst. Director of Statistics, Virudhunagar.

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	1998-1999	165.6	231.7	426.1	568.7	53.8	29.3
2	1999-2000	164.0	99.9	426.1	468.8	56.1	211.2
3	2000-2001	165.6	172.2	426.1	125.8	53.8	63.6
4	2001-2002	165.6	122.8	426.1	301.6	53.8	31.2
5	2002-2003	181.8	80.6	430.4	276.1	37.3	9.7
6	2003-2004	181.8	149.2	431.2	313.4	42.0	10.4
7	2004-2005	181.8	193.9	431.2	318.3	42.0	0.6
8	2005-2006	181.8	135.4	431.2	625.5	42.0	12.4
9	2006-2007	181.8	88.0	431.2	623.3	42.0	10.8
10	2007-2008	181.8	124.3	431.2	514.1	42.0	38.3
11	2008-2009	181.8	148.9	431.2	487.3	42.0	2.2
12	2009-2010	181.8	78.3	431.2	331.1	42.0	0.1

Sl. No.	Year	Hot Weather Season		Total Monsoon		% Deviation (+ or - or =from normal)
		Normal	Actual	Normal	Actual	
1	1998-1999	168.5	107.3	814.0	937.0	+15.1
2	1999-2000	167.8	70.2	814.0	850.1	+4.4
3	2000-2001	167.8	144.1	813.3	505.7	-37.8
4	2001-2002	176.9	90.2	822.4	545.8	-33.6
5	2002-2003	174.8	216.6	824.3	583.0	-29.3
6	2003-2004	174.6	116.5	829.6	744.9	-10.2
7	2004-2005	174.6	232.1	829.6	961.9	+15.9
8	2005-2006	174.6	258.1	829.6	1031.4	+24.3
9	2006-2007	174.6	146.0	829.6	868.1	+4.6
10	2007-2008	174.6	357.2	829.6	1033.9	+25
11	2008-2009	174.6	124.4	829.6	762.8	-8.1
12	2009-2010	174.6	93.7	829.6	503.2	-39.3