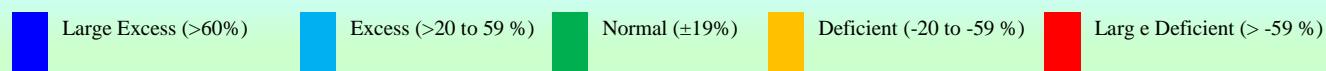


Summer Rainfall (mm) Dynamics during (SW Monsoon) Kharif Season @ Research Farm, CCS HAU Hisar

Week/Period	Normal	2019	2018	2017	2016	2015	2014	2013	2012	2011
<b>Monsoon Onset*</b>	<b>1 July</b>	<b>16 July</b>	<b>28 June</b>	<b>12 July</b>	<b>2 July</b>	<b>25 June</b>	<b>3 July</b>	<b>16 June</b>	<b>9 July</b>	<b>8 July</b>
May 28 – Jun 3 (22)	10.8	0.0	0	0	2.5	0	9.0	0.0	10.5	28.2
Jun 04 -10 (23)	7.3	0.0	2.2	7.1	0.0	0	0.0	0.0	0.0	0.0
Jun 11-17 (24)	10.3	75.4	0	20.7	75.6	40.4	37.5	97.3	0.0	0.0
Jun 18 – 24 (25)	11.7	28.7	0	126.3	0.0	51.6	10.6	0.0	15.0	9.4
Jun 25 – Jul 1 (26)	21.0	1.0	56.7	129.2	12.9	69.0	14.5	0.0	1.0	24.1
Jul 2- 8 (27)	25.0	1.8	39.1	12.4	93.5	52.8	13.5	51.5	0.0	11.4
Jul 9-15 (28)	24.7	13.4	14.2	0.0	19.0	24.7	0.0	66.7	26.6	13.1
Jul 16-22 (29)	41.9	81.5	31.6	48.3	57.8	77.3	9.3	30.5	50.0	45.7
Jul 23-29 (30)	31.9	23.7	70.8	1.5	74.0	0.0	49.4	0.0	0.0	0.7
Jul 30-Aug 5 (31)	35.5	17.7	0.0	9.5	4.3	9.7	12.0	69.0	0.0	1.1
Aug 6-12 (32)	27.0	63.0	22.1	3.8	0.8	17.8	0.0	76.5	98.3	24.6
Aug 13-19 (33)	21.5	15.4	0.6	29.2	5.3	19.0	0.0	154.2	12.3	4.6
Aug 20-26 (34)	22.2	0.0	0.8	25.5	6.8	0.8	0.0	0.0	171.9	62.9
Aug 27-Sept 2 (35)	16.7	0.0	1.1	34.6	63.2	8.0	1.0	0.0	0.0	5.1
Sept 3-9 (36)	14.8	27.7	8.9	49.5	0.0	0.0	76.7	0.0	8.6	79.2
Sept 10-16 (37)	20.8	0.0	29.2	0.0	0.0	0.0	4.8	0.0	17.3	25.8
Sept 17-23 (38)	5.6	0.0	44.6	0.0	0.0	9.4	0.0	114.5	7.3	33.8
Sept 24-30 (39)	12.3	2.2	32.0	0.0	2.8	10.4	0.0	19.9	0.0 <sup>+</sup>	0.0
<b>Monsoon Withdrawal*</b>	<b>15 Sept</b>	<b>9 Oct</b>	<b>1 Oct</b>	<b>27 Sept</b>	<b>28 Sept</b>	<b>8/29 Sept</b>	<b>23 Sept</b>	<b>4 Oct</b>	<b>25 Sept</b>	<b>23 Sept</b>
June	50.7	105.1	58.9	283.8	91.0	161.0	71.6	97.3	26.5	47.4
July	131.4	120.4	155.7	83.0	244.3	156.1	74.7	159.2	76.6	76.0
August	112.4	96.1	23.5	95.5	80.4	54.8	34.2	288.2	282.5	95.7
September	57.9	29.9	115.8	56.6	2.8	19.8	81.5	134.4	33.2	140.3
<b>Total Rainy Days</b>	<b>20</b>	<b>15<sup>+</sup></b>	<b>14</b>	<b>23</b>	<b>19</b>	<b>25</b>	<b>15</b>	<b>20</b>	<b>18</b>	<b>19</b>
<b>Monsoon (J,J,A,S)</b>	<b>352.4</b>	<b>351.5<sup>+</sup></b>	<b>353.9</b>	<b>518.9</b>	<b>418.5</b>	<b>391.7</b>	<b>262.0</b>	<b>679.1</b>	<b>418.8</b>	<b>359.4</b>
<b>Status/Remarks</b>	<b>Normal</b>	<b>Normal</b>	<b>Normal</b>	<b>Excess</b>	<b>Normal</b>	<b>Normal</b>	<b>Deficient</b>	<b>Excess</b>	<b>Normal</b>	<b>Normal</b>

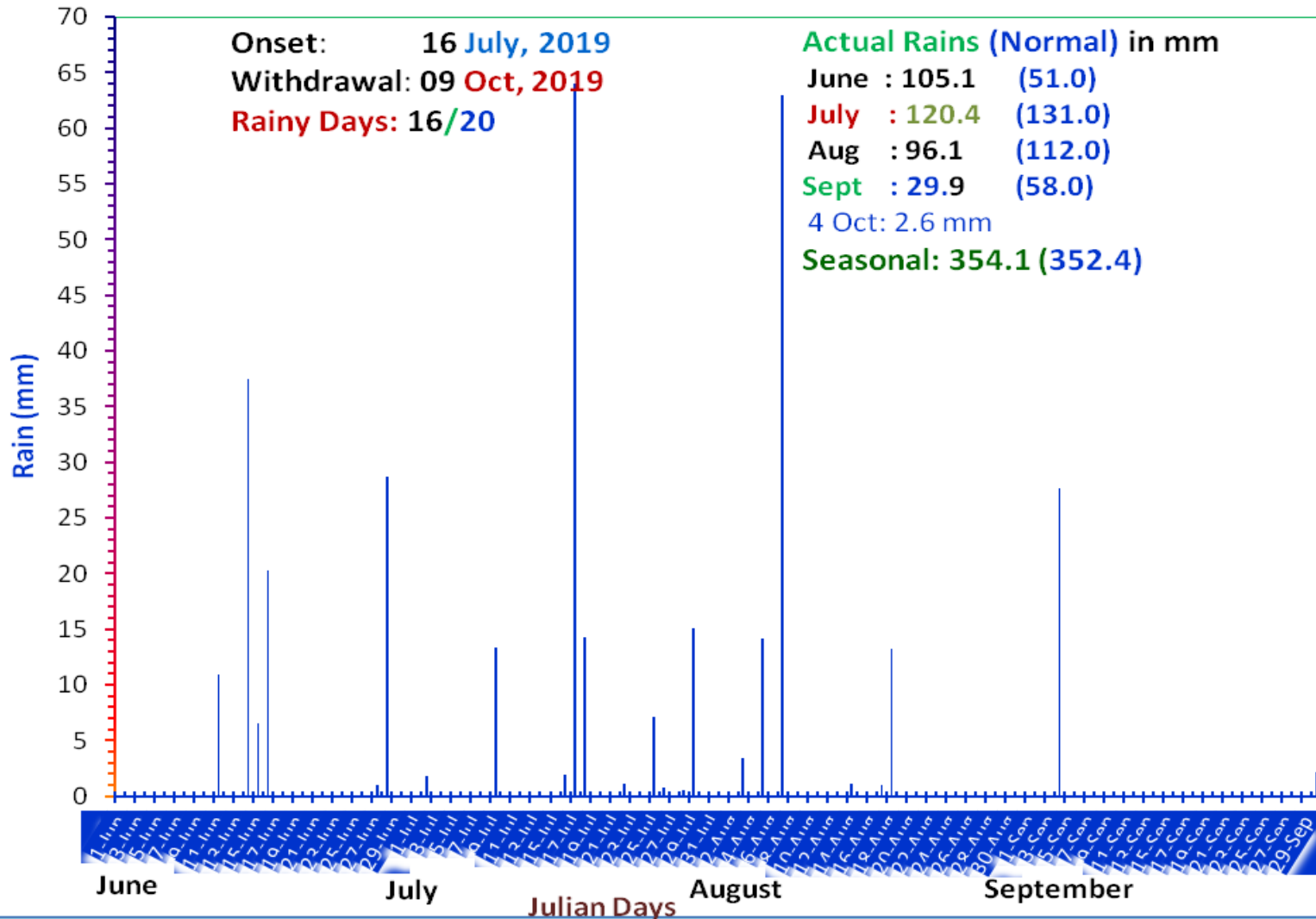
SWM – South West Monsoon (June- September); \* IMD Onset/Withdrawal Declaration, <sup>+</sup>2.6 mm on 4<sup>th</sup> Oct, 2019

Data updated till 09 Oct, 2019



New Terminology w.e.f. 2017

**SW Monsoon - 2019 : Daily Rains @ Research Farm, CCS HAU Hisar, India by 09 Oct, 2019**



## SW Monsoon @ CCS HAU Hisar

(29°10'N-Alt; 75°46'E-Long; 215.2 m amsl-Alt)

### i) Onset Date (1 July) : Normal

- Earliest onset : 14 June, 1966
- Most delayed : 29 July, 1951

### ii) Withdrawal Date (15 September) : Normal

- Earliest withdrawal : 11 August, 1982
- Most delayed : 14 October, 1944

### iii) Seasonal break-up (%) of Annual Rainfall

- |   |               |
|---|---------------|
| 1. SW Monsoon (June, July, August & September)  | ≈ 78 Per cent |
| 2. Post Monsoon (October & November)            | ≈ 03 Per cent |
| 3. Winter Season (December, January & February) | ≈ 07 Per cent |
| 4. Summer/Pre Monsoon (March, April & May)      | ≈ 12 Per cent |