

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

Week/Period	Normal	2022	2021	2020	2019	2018	2017	2016	2015	2014
Monsoon Onset*	1 July	3 July	13 July	26 June	16 July	28 June	12 July	2 July	25 June	3 July
May 26 – Jun 01 (22)	10.8	0.0	13.2	14.7	0.0	0	0	2.5	0	9.0
Jun 02 -08 (23)	7.3	0.0	0.0	1.2	0.0	2.2	7.1	0.0	0	0.0
Jun 09-15 (24)	10.3	0.0	51.8	0.0	75.4	0	20.7	75.6	40.4	37.5
Jun 16 – 22 (25)	11.7	11.1	0.0	29.2	28.7	0	126.3	0.0	51.6	10.6
Jun 23 – Jun 29 (26)	21.0	0.0	8.9	14.0	1.0	56.7	129.2	12.9	69.0	14.5
Jun 30- Jul 06 (27)	25.0	2.4	0.0	8.7	1.8	39.1	12.4	93.5	52.8	13.5
Jul 7-13 (28)	24.7	?	18.5	38.4	13.4	14.2	0.0	19.0	24.7	0.0
Jul 14-20 (29)	41.9	?	9.0	111.3	81.5	31.6	48.3	57.8	77.3	9.3
Jul 21-27 (30)	31.9	?	47.7	14.7	23.7	70.8	1.5	74.0	0.0	49.4
Jul 28-Aug 03 (31)	35.5	?	149.9	0.0	17.7	0.0	9.5	4.3	9.7	12.0
Aug 04-10 (32)	27.0	?	0.0	30.6	63.0	22.1	3.8	0.8	17.8	0.0
Aug 11-17 (33)	21.5	?	0.0	17.5	15.4	0.6	29.2	5.3	19.0	0.0
Aug 18-24 (34)	22.2	?	0.5	11.7	0.0	0.8	25.5	6.8	0.8	0.0
Aug 25-Sept 1 (35)	16.7	?	15.7	0.0	0.0	1.1	34.6	63.2	8.0	1.0
Sept 2-8 (36)	14.8	?	100.2	32.5	27.7	8.9	49.5	0.0	0.0	76.7
Sept 9-15 (37)	20.8	?	44.3	0.0	0.0	29.2	0.0	0.0	0.0	4.8
Sept 16-22 (38)	5.6	?	142.0	7.0	0.0	44.6	0.0	0.0	9.4	0.0
Sept 23-29 (39)	12.3	?	141.0	0.0	2.2	32.0	0.0	2.8	10.4	0.0
Monsoon Withdrawal*	20 Sept	??	8 Oct	28 Sept	9 Oct	1 Oct	27 Sept	28 Sept	8/29 Sept	23 Sept
June	50.7	11.1	68.1	48.8	105.1	58.9	283.8	91.0	161.0	71.6
July	131.4	2.4	158.9	173.1	120.4	155.7	83.0	244.3	156.1	74.7
August	112.4	?	66.7	62.0	96.1	23.5	95.5	80.4	54.8	34.2
September	57.9	?	428.2	39.5	29.9	115.8	56.6	2.8	19.8	81.5
Total Rainy Days	20	2	25	20	15	14	23	19	25	15
Season Length	82	0.0	88	95	86	96	78	89	97	83
Monsoon (J,J,A,S)	352.4	13.5	730.2	323.4	351.5	353.9	518.9	418.5	391.7	262.0
Status/Remarks	Normal	??	Excess	Normal	Normal	Normal	Excess	Normal	Normal	Deficient

SWM – South West Monsoon (June- September); *IMD Onset/Withdrawal Declaration, ⁺

*Data updated till 6 July, 2022



Large Excess (>60%)



Excess (>20 to 59 %)



Normal (±19%)



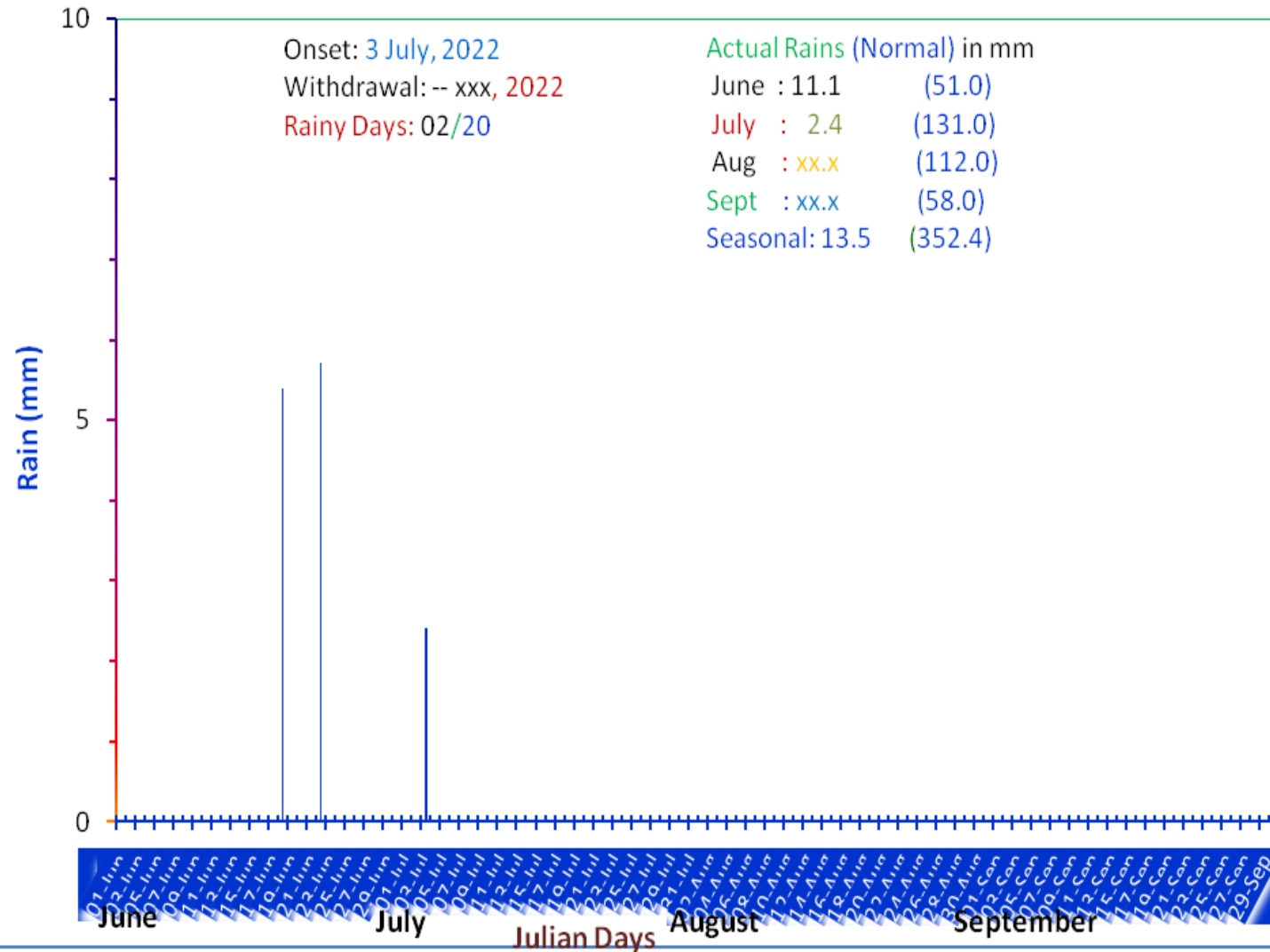
Deficient (-20 to -59 %)



Large Deficient (> -59 %)

New Terminology w.e.f. 2017, New withdrawal dates (Normal) w.e.f. 2020

SW Monsoon - 2022 : Daily Rains @ Research Farm, CCS HAU Hisar, India by 7 July, 2022



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

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|---|---------------|
| 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 |