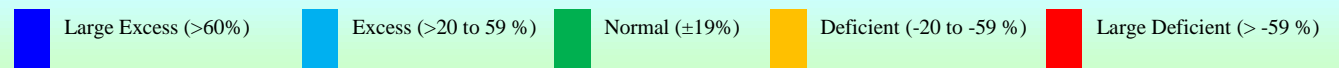


## Summer Rainfall (mm) Dynamics during (SW Monsoon) *Kharif* Season @ Research Farm, CCS HAU Hisar

| Week/Period                | Normal         | 2023      | 2022     | 2021     | 2020    | 2019    | 2018    | 2017    | 2016    | 2015      |
|----------------------------|----------------|-----------|----------|----------|---------|---------|---------|---------|---------|-----------|
| <b>Monsoon Onset*</b>      | <b>1 July</b>  | 2 July    | 3 July   | 13 July  | 26 June | 16 July | 28 June | 12 July | 2 July  | 25 June   |
| May 26 – Jun 01 (22)       | 10.8           | 16.0      | 0.0      | 13.2     | 14.7    | 0.0     | 0.0     | 0.0     | 2.5     | 0.0       |
| Jun 02 -08 (23)            | 7.3            | 0.0       | 0.0      | 0.0      | 1.2     | 0.0     | 2.2     | 7.1     | 0.0     | 0.0       |
| Jun 09-15 (24)             | 10.3           | 6.2       | 0.0      | 51.8     | 0.0     | 75.4    | 0.0     | 20.7    | 75.6    | 40.4      |
| Jun 16 – 22 (25)           | 11.7           | 0.0       | 11.1     | 0.0      | 29.2    | 28.7    | 0.0     | 126.3   | 0.0     | 51.6      |
| Jun 23 – Jun 29 (26)       | 21.0           | 12.4      | 0.0      | 8.9      | 14.0    | 1.0     | 56.7    | 129.2   | 12.9    | 69.0      |
| Jun 30- Jul 06 (27)        | 25.0           | 15.1      | 2.4      | 0.0      | 8.7     | 1.8     | 39.1    | 12.4    | 93.5    | 52.8      |
| Jul 7-13 (28)              | 24.7           | 11.1      | 45.6     | 18.5     | 38.4    | 13.4    | 14.2    | 0.0     | 19.0    | 24.7      |
| Jul 14-20 (29)             | 41.9           | 31.5      | 41.0     | 9.0      | 111.3   | 81.5    | 31.6    | 48.3    | 57.8    | 77.3      |
| Jul 21-27 (30)             | 31.9           | 0.0       | 67.0     | 47.7     | 14.7    | 23.7    | 70.8    | 1.5     | 74.0    | 0.0       |
| Jul 28-Aug 03 (31)         | 35.5           | 45.2      | 145.1    | 149.9    | 0.0     | 17.7    | 0.0     | 9.5     | 4.3     | 9.7       |
| Aug 04-10 (32)             | 27.0           | 9.8       | 3.1      | 0.0      | 30.6    | 63.0    | 22.1    | 3.8     | 0.8     | 17.8      |
| Aug 11-17 (33)             | 21.5           | 0.0       | 55.0     | 0.0      | 17.5    | 15.4    | 0.6     | 29.2    | 5.3     | 19.0      |
| Aug 18-24 (34)             | 22.2           | 7.8       | 0.0      | 0.5      | 11.7    | 0.0     | 0.8     | 25.5    | 6.8     | 0.8       |
| Aug 25-Sept 1 (35)         | 16.7           | 0.0       | 0.0      | 15.7     | 0.0     | 0.0     | 1.1     | 34.6    | 63.2    | 8.0       |
| Sept 2-8 (36)              | 14.8           | 0.0       | 0.0      | 100.2    | 32.5    | 27.7    | 8.9     | 49.5    | 0.0     | 0.0       |
| Sept 9-15 (37)             | 20.8           | 0.0       | 1.2      | 44.3     | 0.0     | 0.0     | 29.2    | 0.0     | 0.0     | 0.0       |
| Sept 16-22 (38)            | 5.6            | 12.7      | 44.3     | 142.0    | 7.0     | 0.0     | 44.6    | 0.0     | 0.0     | 9.4       |
| Sept 23-29 (39)            | 12.3           | 0.0       | 146.3    | 141.0    | 0.0     | 2.2     | 32.0    | 0.0     | 2.8     | 10.4      |
| <b>Monsoon Withdrawal*</b> | <b>20 Sept</b> | 25 Sept   | 29 Sept  | 8 Oct    | 28 Sept | 9 Oct   | 1 Oct   | 27 Sept | 28 Sept | 8/29 Sept |
| June                       | 50.7           | 18.8      | 11.1     | 68.1     | 48.8    | 105.1   | 58.9    | 283.8   | 91.0    | 161.0     |
| July                       | 131.4          | 107.3     | 230.1    | 158.9    | 173.1   | 120.4   | 155.7   | 83.0    | 244.3   | 156.1     |
| August                     | 112.4          | 13.2      | 129.1    | 66.7     | 62.0    | 96.1    | 23.5    | 95.5    | 80.4    | 54.8      |
| September                  | 57.9           | 12.7      | 191.8    | 428.2    | 39.5    | 29.9    | 115.8   | 56.6    | 2.8     | 19.8      |
| <b>Total Rainy Days</b>    | <b>20</b>      | 13        | 21       | 25       | 20      | 15      | 14      | 23      | 19      | 25        |
| <b>Season Length</b>       | <b>82</b>      | 86        | 88       | 88       | 95      | 86      | 96      | 78      | 89      | 97        |
| <b>Monsoon (J,J,A,S)</b>   | <b>352.4</b>   | 152.0     | 562.1    | 730.2    | 323.4   | 351.5   | 353.9   | 518.9   | 418.5   | 391.7     |
| <b>Status/Remarks</b>      | <b>Normal</b>  | Deficient | L Excess | L Excess | Normal  | Normal  | Normal  | Excess  | Normal  | Normal    |

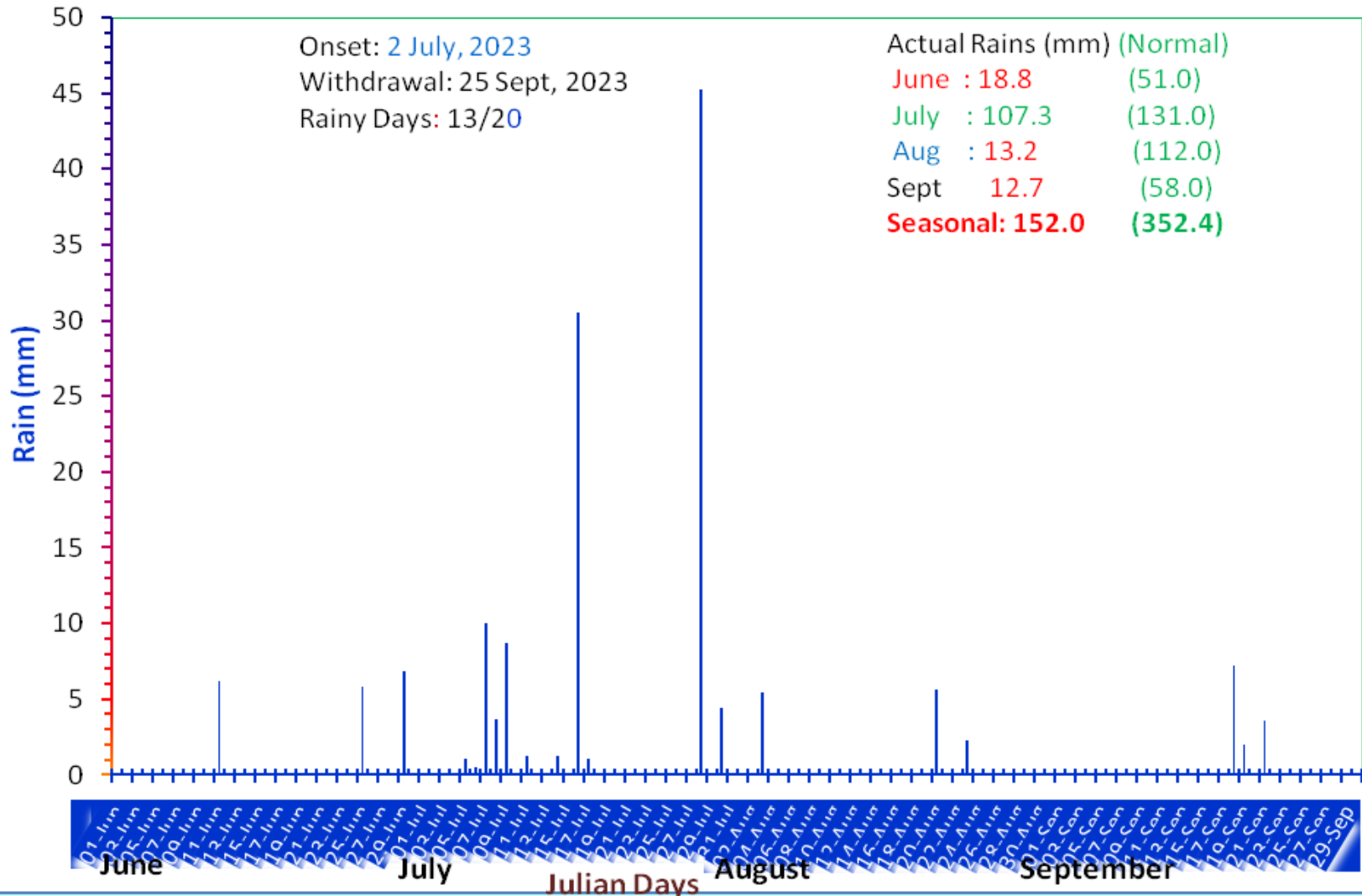
SWM – South West Monsoon (June- September); \*IMD Onset/Withdrawal Declaration, +

\*Data updated till 27 Sept, 2023



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

### SW Monsoon - 2023 : Daily Rains @ Research Farm, CCS HAU Hisar, India by 27 Sept, 2023



## 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 |

[District wise Contingent Plans](https://agricoop.gov.in/en/AgricultureContingencyPlan/HARYANA) - <https://agricoop.gov.in/en/AgricultureContingencyPlan/HARYANA>