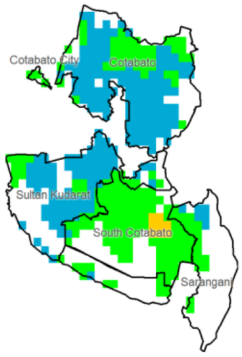
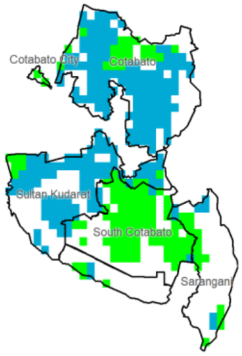
# Region XII (SOCCSKSARGEN)

**Water Availability for Rice**
**Prevailing Stage : (I) Nursery**




**Water Availability for Corn**
**Prevailing Stage : (III) Reproductive**




## Provincial Values

| | Mon. Ave. Rainfall (mm) | Rice CS | Rice CCI (%) | Corn CS | Corn CCI (%) |
|---|---|---|---|---|---|
| Cotabato | 159.6 | I | 237.4 | I | 349.2 |
| | | II | 233.7 | II | 332.2 |
| | | III | 232.0 | III | 320.9 |
| | | IV | 232.0 | IV | 331.7 |
| Cotabato City | 169.9 | I | 102.8 | I | 198.4 |
| | | II | 92.9 | II | 149.8 |
| | | III | 88.3 | III | 119.4 |
| | | IV | 88.3 | IV | 148.4 |
| Sarangani | 208.0 | I | 161.5 | I | 247.8 |
| | | II | 155.6 | II | 214.3 |
| | | III | 152.8 | III | 192.8 |
| | | IV | 152.8 | IV | 213.3 |
| South Cotabato | 163.1 | I | 91.6 | I | 118.5 |
| | | II | 90.0 | II | 113.0 |
| | | III | 89.3 | III | 109.0 |
| | | IV | 89.3 | IV | 112.8 |
| Sultan Kudarat | 211.2 | I | 312.9 | I | 434.6 |
| | | II | 310.2 | II | 420.4 |
| | | III | 308.8 | III | 411.0 |
| | | IV | 308.8 | IV | 419.9 |

Crop Stage (CS) highlighted in BLACK is the dominant stage during the month of January

Rice CS:
(I) Nursery
(II) Vegetative
(III) Reproductive
(IV) Ripening

Corn CS:
(I) Establishment
(II) Vegetative
(III) Reproductive
(IV) Maturity

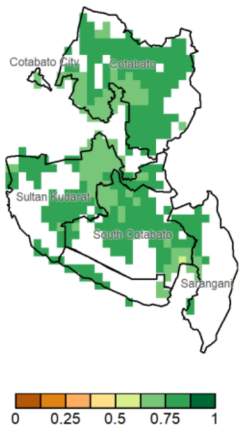
CCI Category:
Inadequate
Sufficient
Excess

## Regional Summary

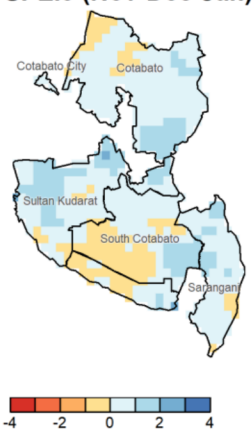
Rice and corn crops in Cotabato City, Sarangani, and South Cotabato have received sufficient water supply to support all cropping stages. However, Cotabato and Sultan Kudarat experienced excessive rainfall during the month, which could potentially impact the standing crops. This is particularly concerning for rice crops that are in the nursery stage and corn crops that are in the reproductive stage.

The NDVI map shows that the region is generally healthy, particularly in areas with an NDVI value of 0.75. In contrast, the SPEI map indicates mostly normal conditions, with some patches showing slightly wetter areas. Heavy rainfall indices show that the RX1day (1-day maximum rainfall) reached approximately 100 mm, while the RX5day (5-day maximum rainfall) was about 150 mm. The excessive rainfall experienced in the region might be attributed to weather systems such as the Intertropical Convergence Zone (ITCZ), shear lines, and localized thunderstorms.

**NDVI**




**SPEI3 (Nov-Dec-Jan)**




**RX1day**


**RX5day**