

SOYBEAN GROWTH MONITORING

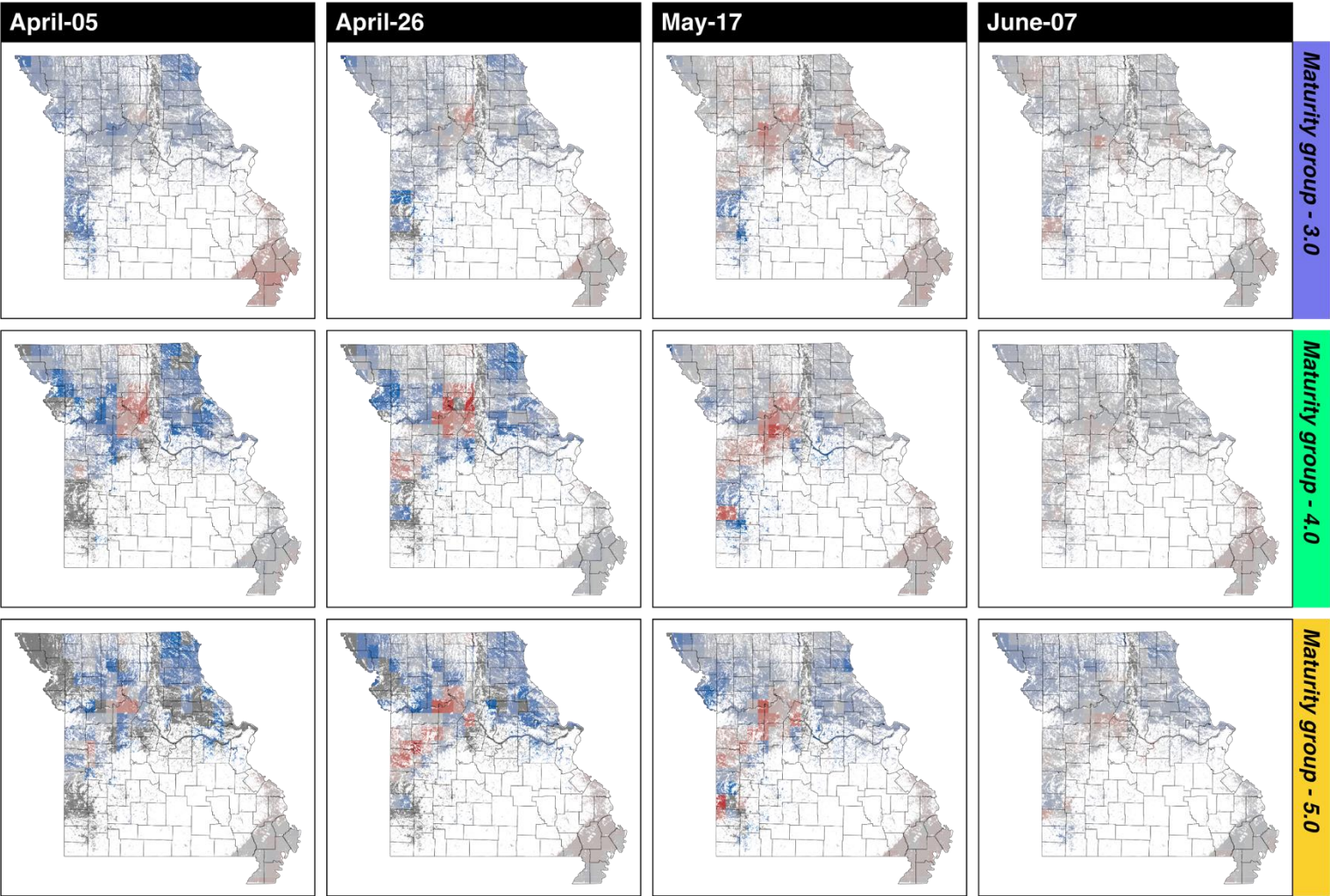
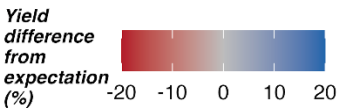


August 14th to August 29th

- Yield predictions as of August 24th show a positive trend for April-planted soybeans across the northern and central regions, except for a pocket area encompassing Linn, Macon, Howard, Chariton, Saline, and Cooper counties. Late planting dates do not show any deviation from the expected yield.
- The SE region remains with yield predictions very close to the historical normal, provided irrigation continues to meet water demand.
- Soil available water has drastically decreased statewide, with the exception of some areas in the Northwest. However, drought levels so far are not abnormally different from the historical average.
- Irrigation recommendations in the Bootheel have slightly decreased, in part due to the reduction in heat wave intensity.

Prediction of Yield as of Aug-18-2025

Planting dates:

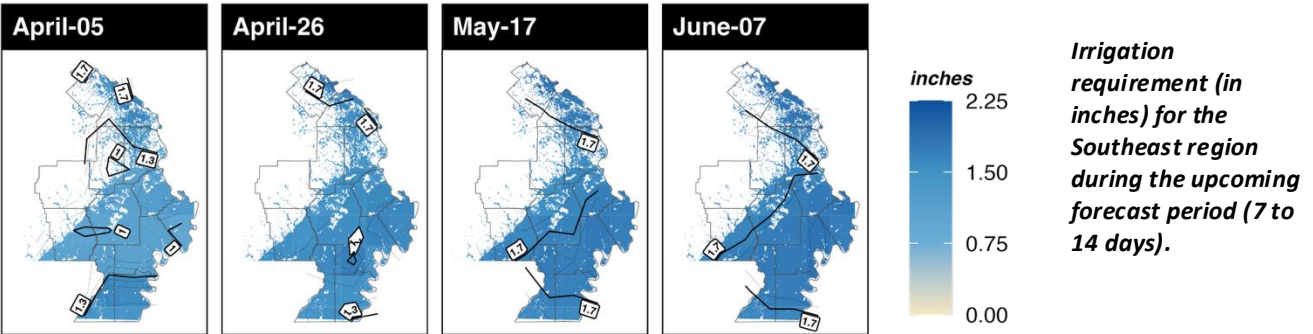


2025 Soybean Yield Forecast for Missouri

Yield is shown as a deviation from the normal expected yield for each of the 12 combinations of planting date (columns) and cultivar maturity group (rows). Blue indicates scenarios with expected yields above normal, red indicates below-normal yields due to the onset of adverse weather conditions, and gray represents yields close to the expected average. Note: yield deviations are relative to the normal expected yield for each specific scenario and are not directly comparable across scenarios

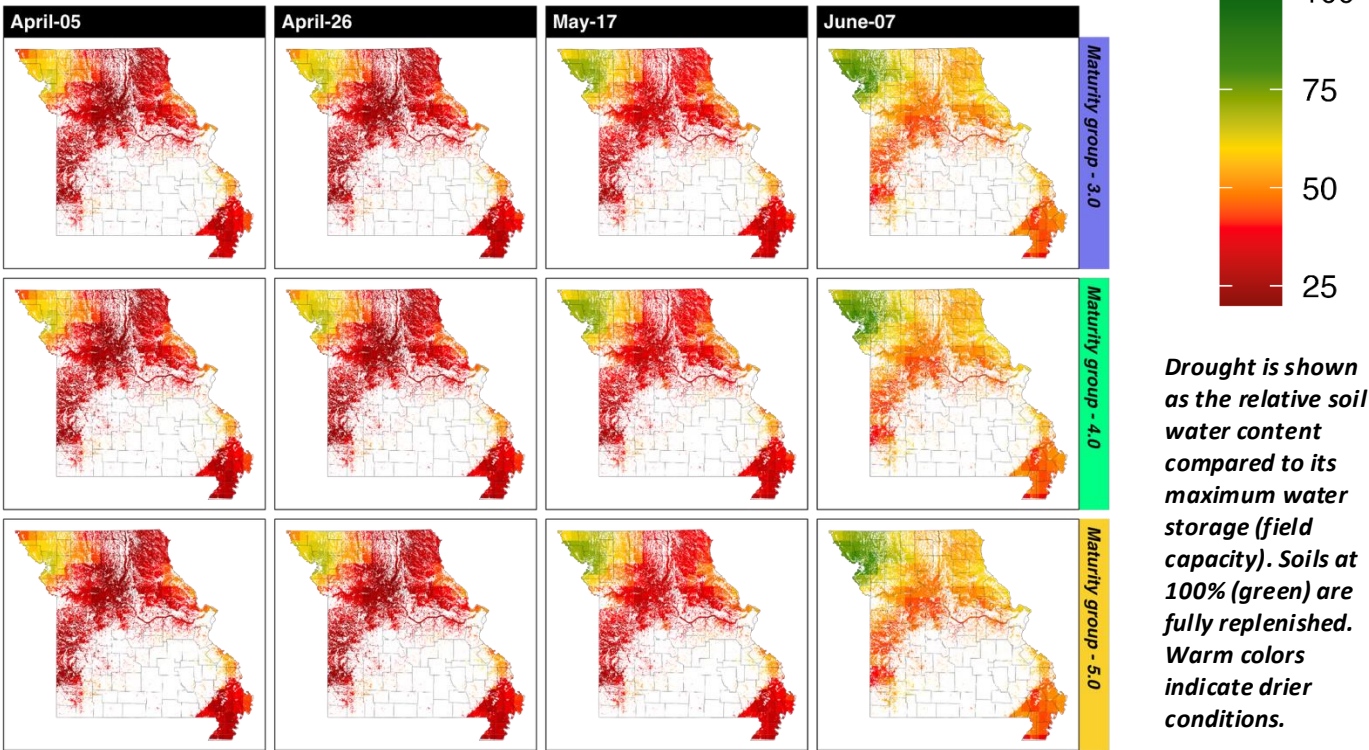
Forecast of the required irrigation from Aug-14 to Aug-29

Planting dates



Soil Water Content as Proxy of Drought

Planting dates:



Phenology and Development

| | | April-05 | | | April-26 | | | May-17 | | | June-07 | | |
|--------|----|----------|------|---------|----------|------|---------|--------|------|---------|---------|------|---------|
| | | Stage | Node | Harvest | Stage | Node | Harvest | Stage | Node | Harvest | Stage | Node | Harvest |
| MG 3.0 | CE | R5 | 20 | Sep-03 | R5 | 21 | Sep-09 | R5 | 20 | Sep-17 | R5 | 16 | Sep-26 |
| | NE | R5 | 22 | Sep-08 | R5 | 22 | Sep-13 | R5 | 20 | Sep-20 | R5 | 16 | Sep-29 |
| | NW | R5 | 22 | Sep-08 | R5 | 21 | Sep-14 | R5 | 19 | Sep-21 | R5 | 16 | Sep-29 |
| | SE | R7 | 18 | Aug-20 | R5 | 19 | Aug-30 | R5 | 19 | Sep-10 | R5 | 17 | Sep-21 |
| | SW | R5 | 19 | Aug-29 | R5 | 20 | Sep-05 | R5 | 19 | Sep-14 | R5 | 16 | Sep-24 |
| | | | | | | | | | | | | | |
| MG 4.0 | CE | R5 | 25 | Sep-19 | R5 | 23 | Sep-23 | R5 | 20 | Sep-30 | R3 | 16 | Oct-08 |
| | NE | R5 | 25 | Sep-24 | R5 | 23 | Sep-28 | R5 | 20 | Oct-04 | R3 | 16 | Oct-11 |
| | NW | R5 | 25 | Sep-25 | R5 | 23 | Sep-29 | R5 | 20 | Oct-05 | R3 | 16 | Oct-12 |
| | SE | R5 | 23 | Sep-07 | R5 | 23 | Sep-14 | R5 | 22 | Sep-23 | R5 | 17 | Oct-02 |
| | SW | R5 | 24 | Sep-14 | R5 | 23 | Sep-20 | R5 | 20 | Sep-27 | R3 | 16 | Oct-05 |
| | | | | | | | | | | | | | |
| MG 5.0 | CE | R5 | 20 | Oct-02 | R5 | 20 | Oct-06 | R3 | 19 | Oct-12 | R1 | 16 | Oct-19 |
| | NE | R5 | 21 | Oct-08 | R3 | 21 | Oct-12 | R3 | 20 | Oct-17 | R1 | 16 | Oct-23 |
| | NW | R5 | 21 | Oct-09 | R3 | 21 | Oct-12 | R3 | 19 | Oct-18 | R1 | 16 | Oct-24 |
| | SE | R5 | 16 | Sep-21 | R5 | 18 | Sep-27 | R5 | 18 | Oct-05 | R3 | 16 | Oct-13 |
| | SW | R5 | 18 | Sep-28 | R5 | 19 | Oct-02 | R3 | 1718 | Oct-08 | R1 | 16 | Oct-15 |