



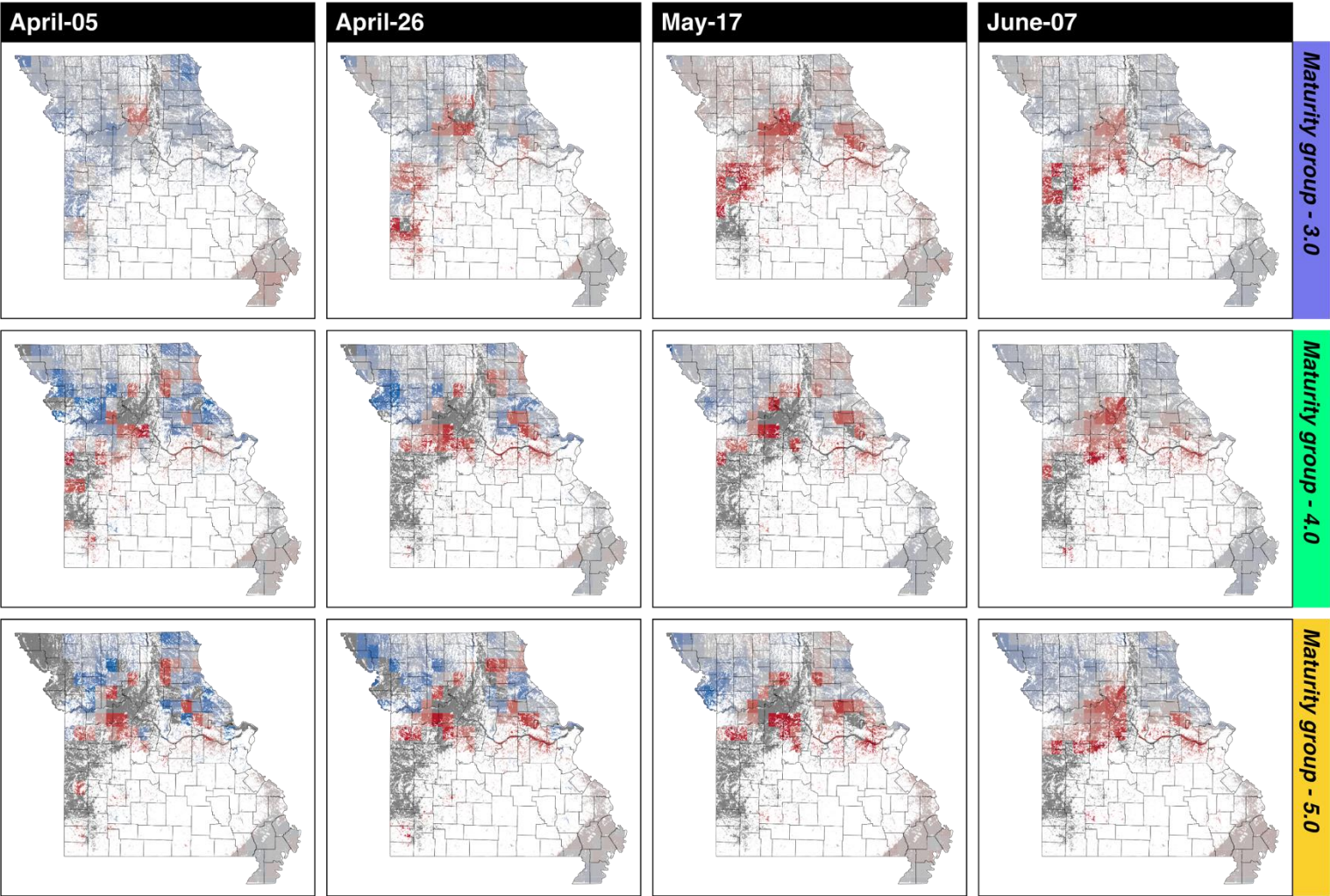
# SOYBEAN GROWTH MONITORING

## August 30<sup>th</sup> to September 12<sup>th</sup>

- Yield predictions have shifted drastically from the previous to the current report. August 2025 was the second driest August on record, with only 0.79 inches of statewide average rainfall.
- The yield model now points to below-average results for most of the state, especially for planting dates after April 26. Early-planted soybeans are less affected, since the drought onset occurred late in the seed-filling stage.
- The Northwest region is less impacted, but soil water content has been depleted nearly statewide.
- Irrigation recommendations in the Southeast have been lowered due to reduced temperature forecasts and soybeans reaching maturity.
- *Soybeans in drought-affected areas will senesce earlier, and seed moisture will decline rapidly. Producers should consider anticipating harvest operations*

### Prediction of Yield as of Sep-05-2025

Planting dates:

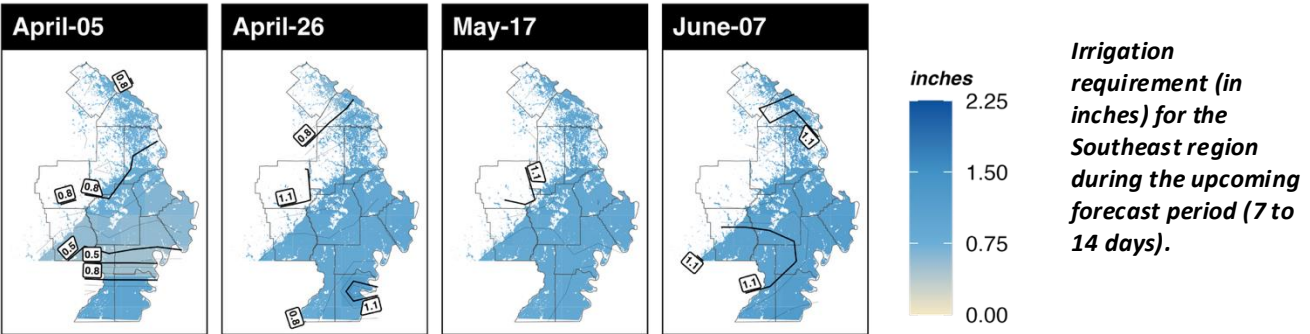


#### 2025 Soybean Yield Forecast for Missouri

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

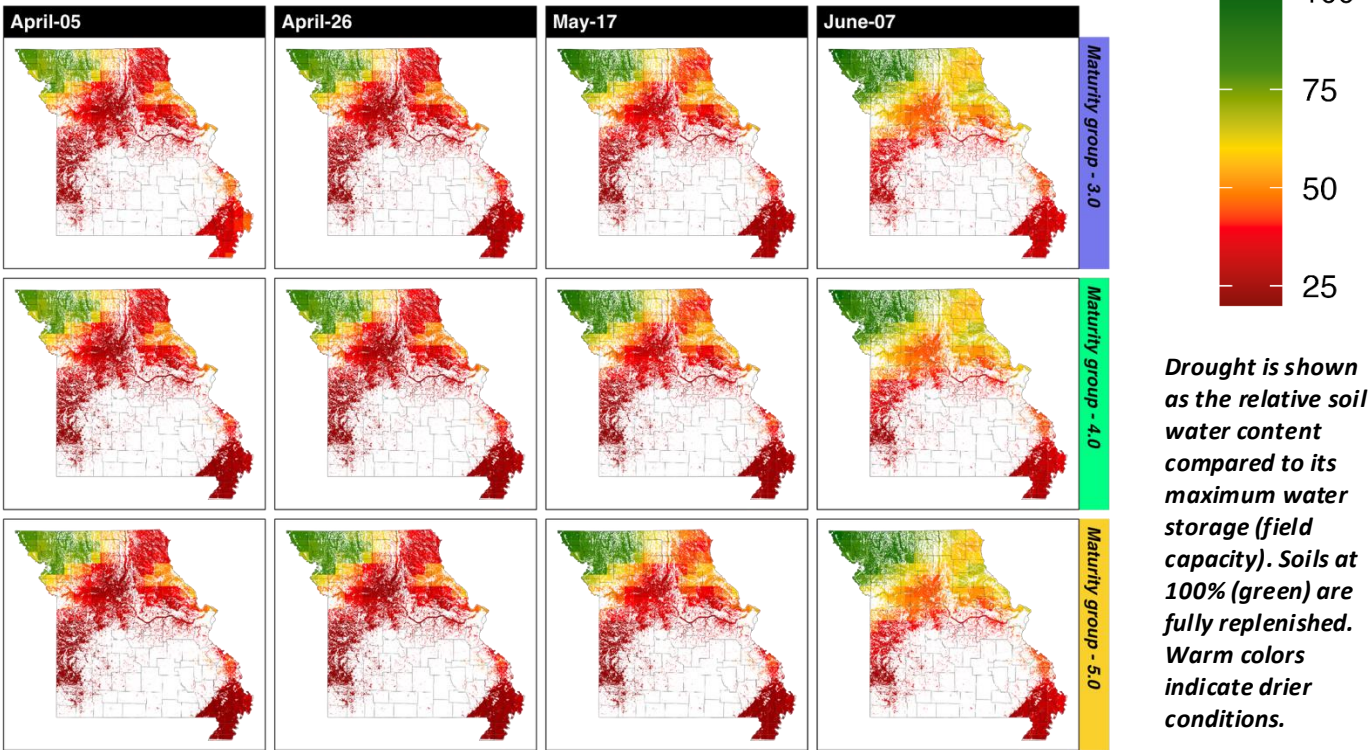
Forecast of the required irrigation from Aug-29 to Sep-13

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	R7	20	Sep-02	R7	20	Sep-09	R5	20	Sep-17	R5	18	Sep-26
	NE	R7	22	Sep-08	R5	21	Sep-13	R5	20	Sep-21	R5	19	Sep-30
	NW	R7	21	Sep-08	R5	21	Sep-14	R5	20	Sep-22	R5	18	Sep-30
	SE	R8	18	Aug-20	R7	19	Aug-30	R5	19	Sep-10	R5	18	Sep-22
	SW	R8	19	Aug-28	R7	20	Sep-03	R5	19	Sep-10	R5	18	Sep-19
MG 4.0	CE	R5	25	Sep-18	R5	24	Sep-22	R5	23	Sep-29	R5	20	Oct-07
	NE	R5	26	Sep-23	R5	25	Sep-27	R5	23	Oct-04	R5	20	Oct-12
	NW	R5	26	Sep-25	R5	25	Sep-30	R5	23	Oct-06	R5	19.5	Oct-12
	SE	R7	23	Sep-08	R5	23	Sep-15	R5	22	Sep-24	R5	20	Oct-03
	SW	R5	24	Sep-11	R5	24	Sep-15	R5	22	Sep-20	R5	20	Sep-30
MG 5.0	CE	R5	20	Oct-01	R5	20	Oct-03	R5	19	Oct-09	R5	17	Oct-18
	NE	R5	21	Oct-06	R5	21	Oct-09	R5	20	Oct-15	R3	18	Oct-23
	NW	R5	21	Oct-09	R5	21	Oct-13	R5	19	Oct-18	R3	17	Oct-24
	SE	R5	16	Sep-22	R5	18	Sep-28	R5	18	Oct-06	R5	16	Oct-13
	SW	R5	18	Sep-21	R5	19	Sep-25	R5	18	Sep-30	R5	16	Oct-09