

SOYBEAN GROWTH MONITORING

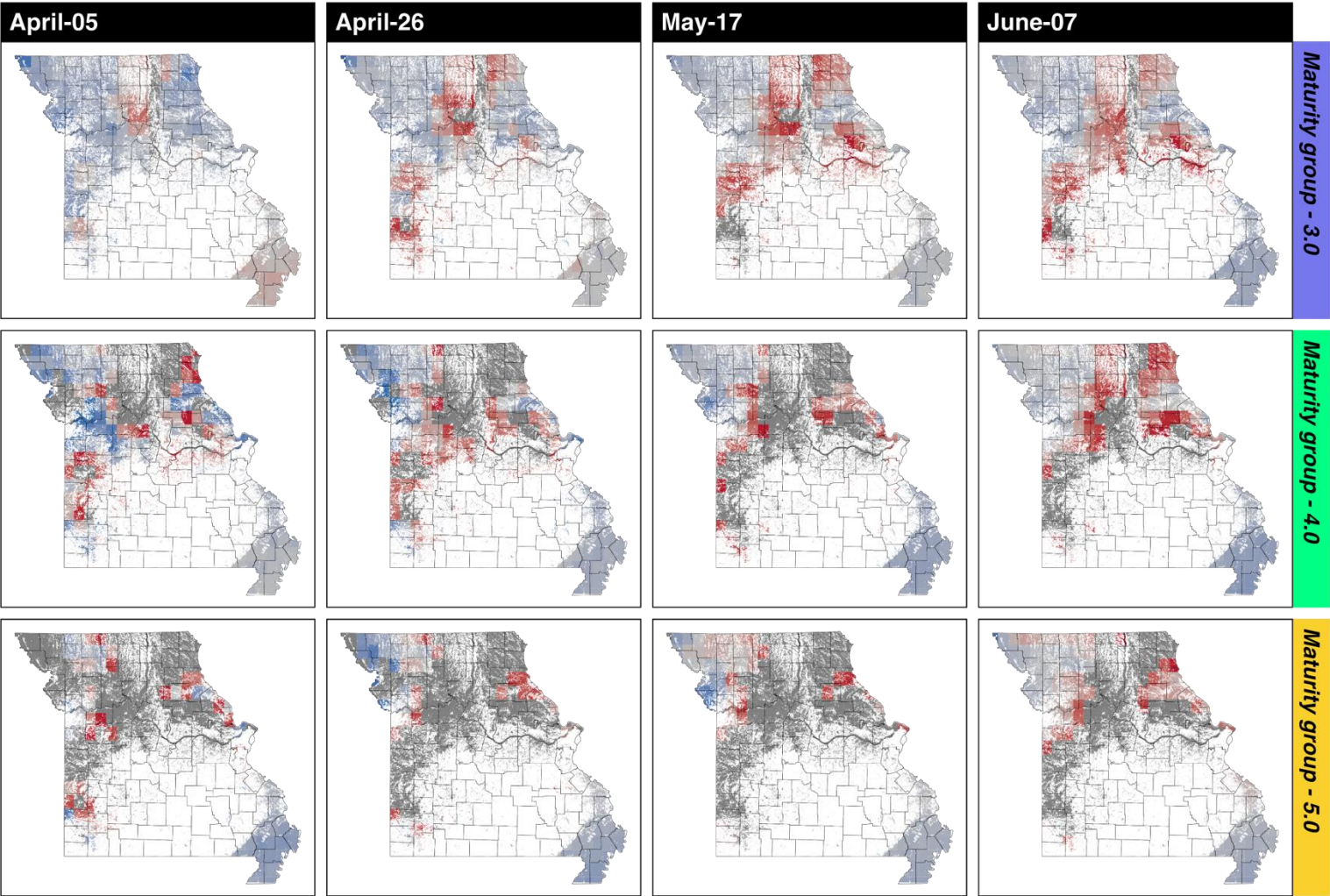


September 19th to October 3rd

- The nearly statewide drought over the past eight weeks has reduced yield expectations across most of Missouri. Only early-planted soybeans combined with relatively short-season maturity group varieties are showing potential to yield above average.
- For most planting date × maturity group scenarios, crops are at or very near harvest maturity. In these cases, yield is already fully determined, and any additional rainfall will not increase yield. Instead, late rains are likely to hinder harvest operations and increase the risk of seed quality deterioration.
- Later-planted fields that are still in the seed-filling stages could benefit slightly if rain arrives in mid-September, potentially providing a modest yield boost.
- In the Bootheel region, irrigation recommendations have been reduced as most fields approach maturity

Prediction of Yield as of Sep-19-2025

Planting dates:

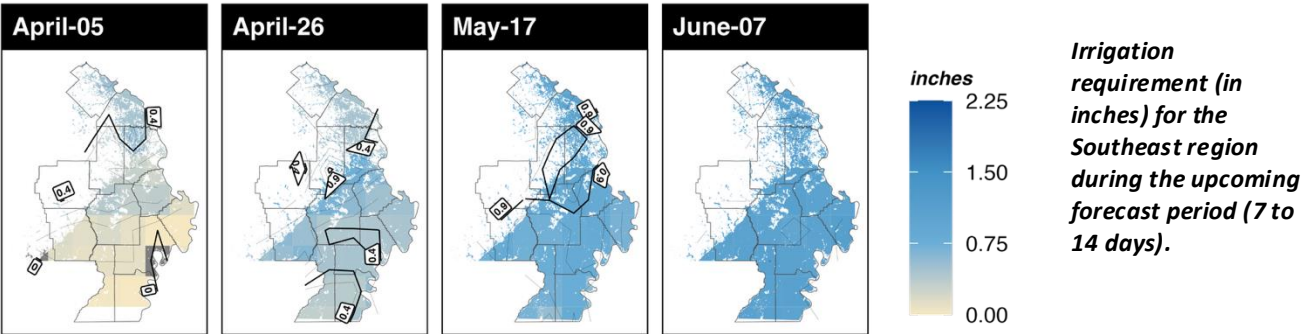


2025 Soybean Yield Forecast for Missouri

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

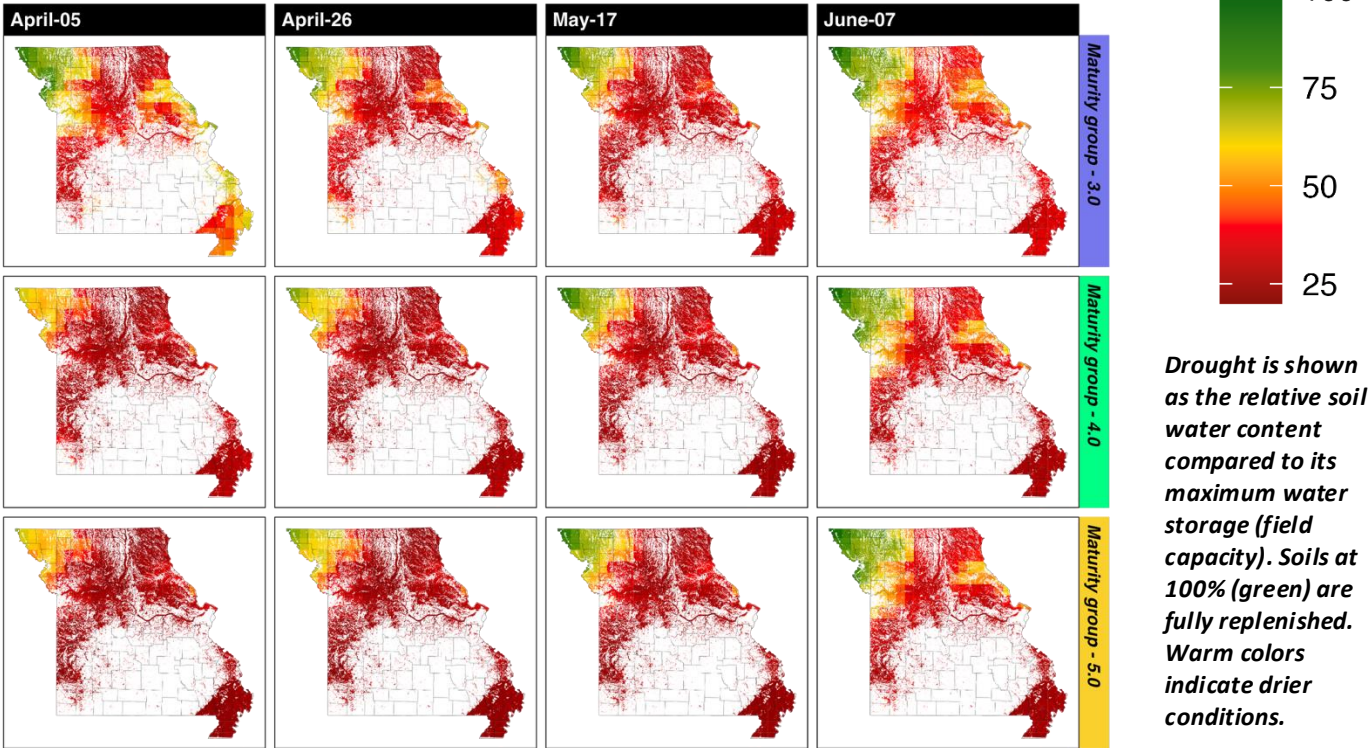
Forecast of the required irrigation from Sep-18 to Oct-03

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	R8	20	'Sep-02		R8	20	'Sep-09		R8	20	'Sep-17		R7	18	'Sep-26	
	NE	R8	22	'Sep-08		R8	21	'Sep-13		R7	20	'Sep-21		R7	19	'Sep-29	
	NW	R8	21	'Sep-09		R8	21	'Sep-14		R7	20	'Sep-23		R5	18	'Sep-30	
	SE	R8	18	'Aug-20		R8	19	'Aug-30		R8	19	'Sep-10		R7	18	'Sep-22	
	SW	R8	19	'Aug-28		R8	20	'Sep-03		R8	19	'Sep-10		R7	18	'Sep-22	
MG 4.0	CE	R7	25	'Sep-19		R7	24	'Sep-23		R7	23	'Sep-27		R5	20	'Oct-05	
	NE	R7	26	'Sep-22		R7	25	'Sep-25		R7	23	'Sep-30		R5	21	'Oct-10	
	NW	R7	26	'Sep-26		R7	25	'Sep-30		R5	23	'Oct-06		R5	20	'Oct-12	
	SE	R8	23	'Sep-07		R8	23	'Sep-15		R7	22	'Sep-24		R5	20	'Oct-03	
	SW	R8	24	'Sep-11		R8	24	'Sep-16		R7	22	'Sep-23		R5	20	'Sep-30	
MG 5.0	CE	R7	20	'Sep-28		R5	20	'Oct-01		R5	19	'Oct-06		R5	17	'Oct-14	
	NE	R5	21	'Oct-01		R5	21	'Oct-03		R5	20	'Oct-09		R5	18	'Oct-19	
	NW	R5	21	'Oct-08		R5	21	'Oct-12		R5	19	'Oct-17		R5	17	'Oct-24	
	SE	R7	16	'Sep-23		R7	18	'Sep-28		R5	18	'Oct-05		R5	16	'Oct-13	
	SW	R7	18	'Sep-24		R7	19	'Sep-26		R5	18	'Sep-30		R5	16	'Oct-08	