SOYBEAN GROWTH MONITORING



WEEK: 07/09-SOUTHWEST-MO



- The rainfall over the last two weeks has brought soil moisture back to high levels. This increased water availability helps initiate seed filling and pod setting in beans planted from April to mid-June in soils with moderate to good drainage.

- A brief drought spell between June 6 and June 26 affected beans planted in April during their pod-setting or flowering stages. The drought and high temperatures during these critical developmental stages are likely to decrease yield predictions for the region.

- Late-planted beans are unaffected by the June drought and remain with yield prediction close to the "normal" expected yield.

- The yield prediction model is not yet calibrated for oxygen stress.

2024 Relative Yield Prediction

Planting date:

0	4-05-202	24	C	4-26-202	24	0	05-17-2024 06-07-202		-07-2024)24	
MG 3	MG 4	MG 5	MG 3	MG 4	MG 5	MG 3	MG 4	MG 5	MG 3	MG 4	MG 5
-4%	-6%	<mark>-9%</mark>	-4%	-6%	<mark>-9%</mark>	+3%	+1%	<mark>+1%</mark>	0%	-1%	<mark>+1%</mark>
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	Historical Baseline Yield*	
Mount Vernon (Lawrence County) 37 bu/acre	Butler 40 bu/acre	Carthage (Jasper County) 36 bu/acre

• Obs 1: The 2024 yield prediction is relative to the normal yield of the same maturity group planted on the same date.

• Obs 2: *The historical baseline yield is the average from 2019 to 2023 reported by USDA-NASS Survey Program.



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SEYBEANS





Drought Stress						
	MG 3	MG 4	MG 5			
Planting date:						
04-05-2024	3%	2%	3%			
04-26-2024	0%	0%	0%			
05-17-2024	0%	0%	0%			
06-07-2024	0%	0%	0%			









