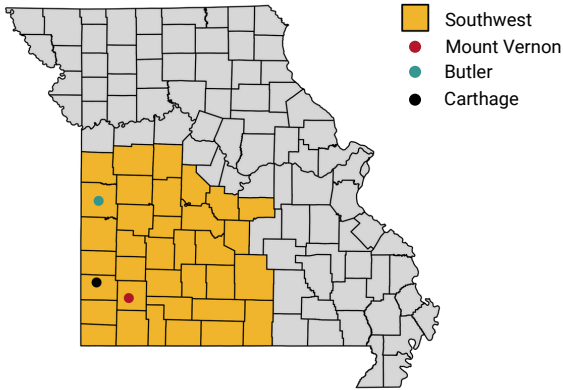




SOYBEAN GROWTH MONITORING

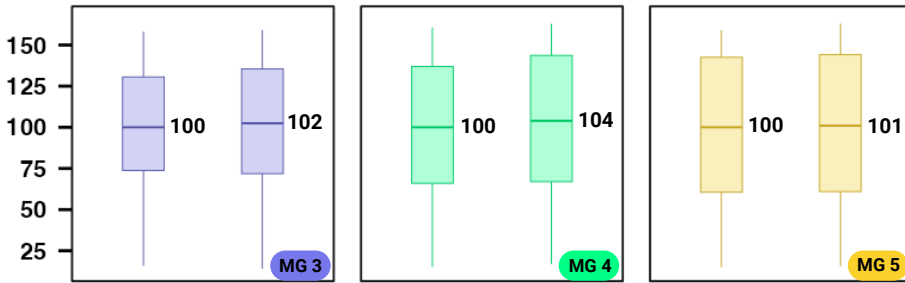
WEEK: 05/28 - SOUTHWEST - MO



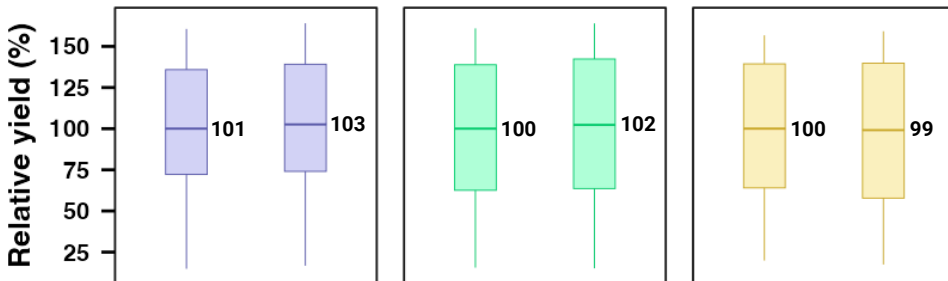
- Current vegetative growth is ahead of the expected growth in a normal year for all planting dates and maturity group scenarios.
- The expected total shoot growth at the end of the 2024 season for the 04-05 and 04-26 planting dates will likely be greater than in a normal year.
- Yield components haven't yet started to develop; therefore, the yield prediction for 2024 follows roughly the same trend as in a normal year.

2024 Relative Yield Prediction

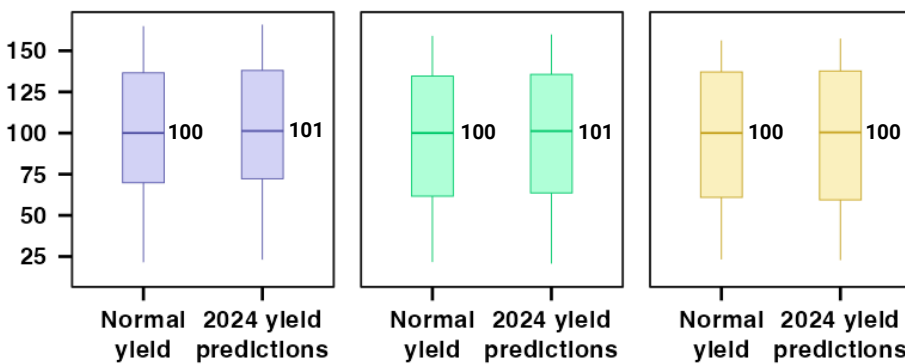
Planting date: 04-05-2024



Planting date: 04-26-2024



Planting date: 05-17-2024



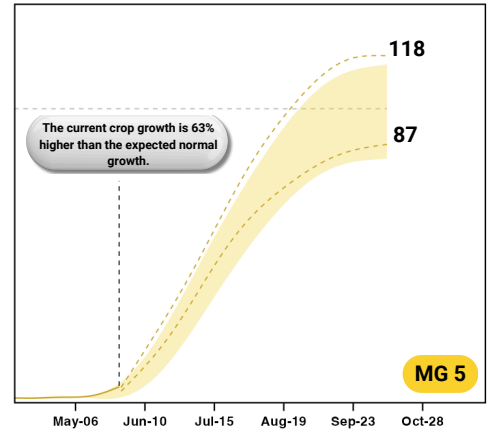
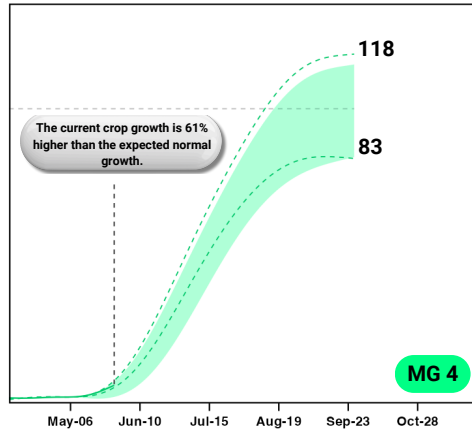
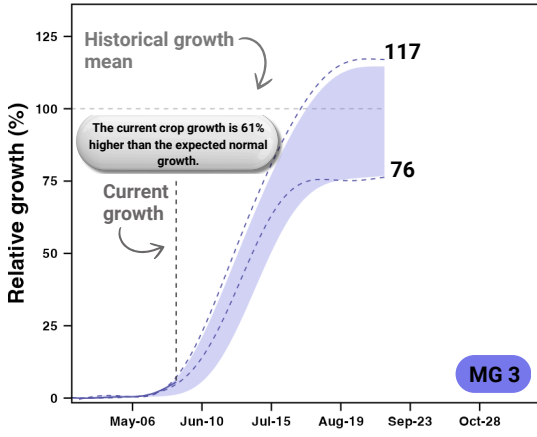
The 2024 yield prediction for a 3.0 MG planted on 04/05 is expected to be 2% higher than the normal yield.

The normal yield is the average expected yield for a specific location, based on weather scenarios observed over the past 40 years.

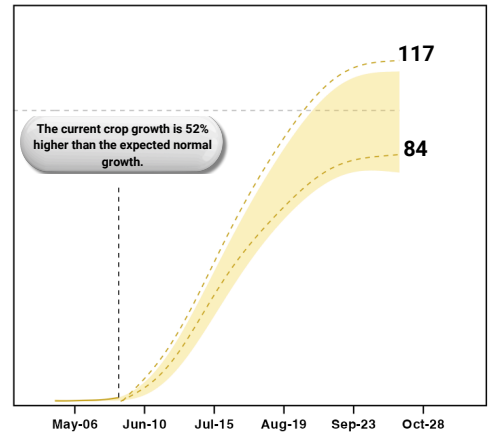
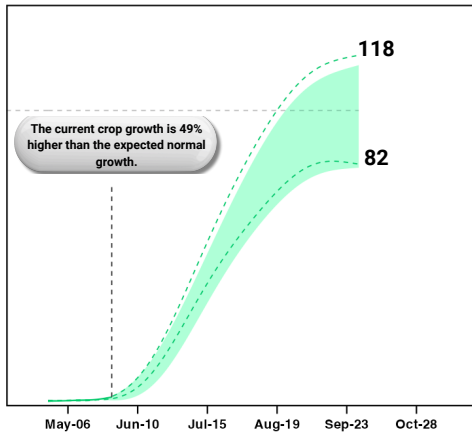
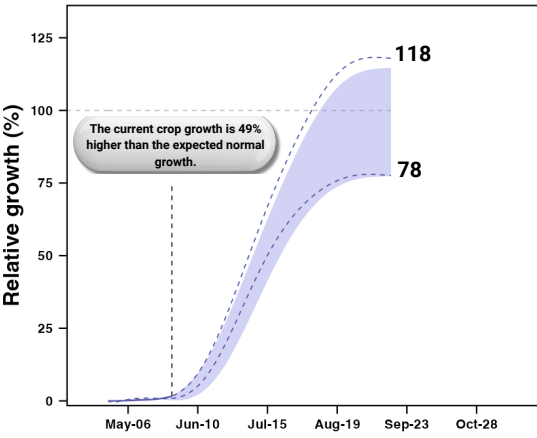
- Obs 1: The 2024 yield prediction is relative to the normal yield of the same maturity MG planted on the same date.
- Obs 2: The normal yield is the average yield expected from simulating a current crop variety using 40 years of historical weather data for a specific location and planting date.
- Obs 3: The normal yield serves as the 100% baseline for the 2024 yield prediction.

End-of-season growth prediction

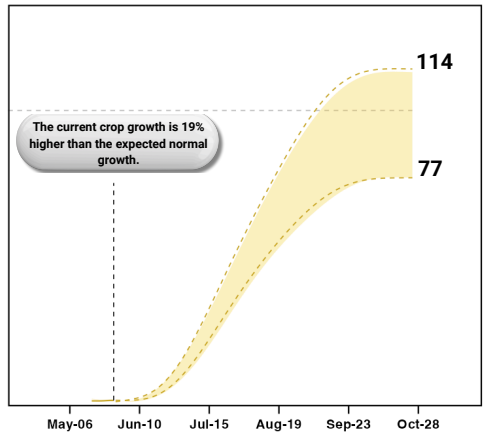
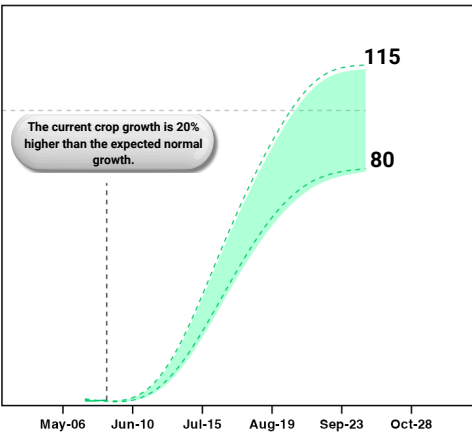
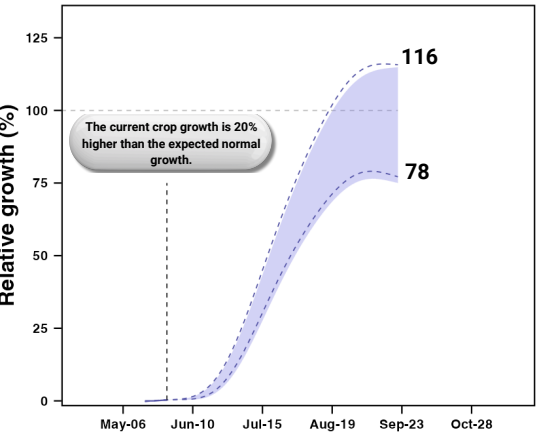
Planting date: 04-05-2024



Planting date: 04-26-2024



Planting date: 05-17-2024



Normal growth distribution Current growth Current growth distribution MIN/MAX

The normal growth represents the average growth expected at the reporting date, derived from simulating a current crop variety using 40 years of historical weather data specific to a particular location and planting date.

Soil water content

Planting date: 04-05-2024

04-26-2024

05-17-2024

06-07-2024

Soil layer	Soil layer		
	0-7in	7-15in	15-28in
Mount Vernon (Wilderness gravelly silt loam)	57%	72%	77%
Butler (Kenoma silt loam)	56%	74%	75%
Carthage (Maplegrave silt loam)	56%	82%	87%

Soil layer		
0-7in	7-15in	15-28in
69%	76%	82%
63%	77%	79%
57%	82%	88%

Soil layer		
0-7in	7-15in	15-28in
72%	79%	87%
68%	81%	82%
57%	82%	89%

Soil layer		
0-7in	7-15in	15-28in
--	--	--
--	--	--
--	--	--

Growth Cycle

Planting date: 04-05-2024

04-26-2024

05-17-2024

06-07-2024

Stage	Nodes	Harvest
MG 3 R1 6	08/13 ± 5 days	
MG 4 V6 6	08/30 ± 5 days	
MG 5 V6 6	09/11 ± 5 days	

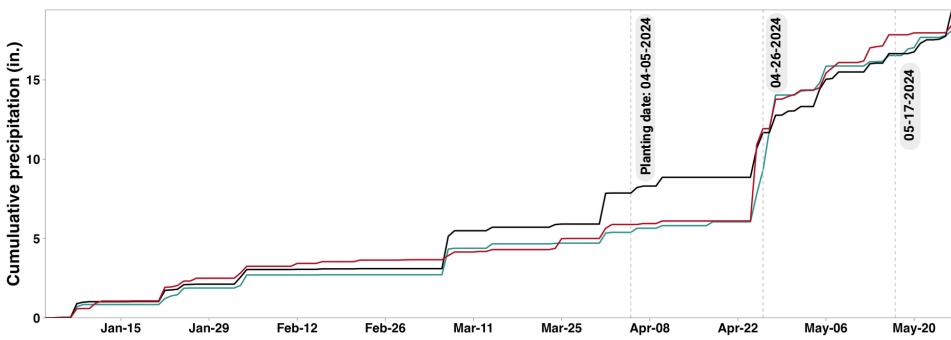
Stage	Nodes	Harvest
V4 4	08/23 ± 4 days	
V4 4	09/06 ± 4 days	
V4 4	09/18 ± 5 days	

Stage	Nodes	Harvest
V1 1	09/02 ± 4 days	
V1 1	09/15 ± 4 days	
V1 1	09/26 ± 6 days	

Stage	Nodes	Harvest
-- --	-- ± days	
-- --	-- ± days	
-- --	-- ± days	

The stage and nodes indicate the current crop development as of the date of this report.

Rainfall



Drought Stress

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

Drought stress is estimated by the cumulative crop transpiration reduction.