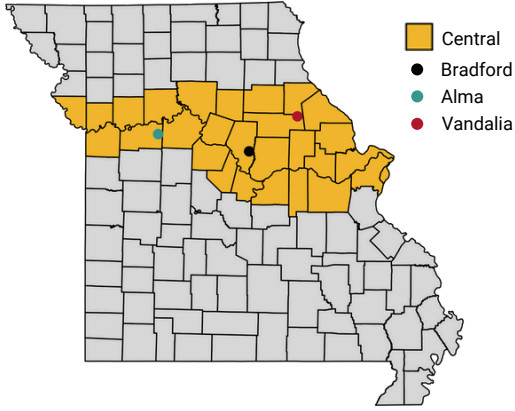




SOYBEAN GROWTH MONITORING

WEEK: 06 / 26 - CENTRAL - MO



- Soybean fields planted during April are mostly undergoing pod setting or flowering. The warm and wet weather of the last few weeks was favorable for pollination and pod retention.
- Soybeans planted in May or later are still in vegetative development without canopy closure. Post-emergence herbicides may still be required.
- Soils have high moisture content. No drought stress has been detected this season.
- Dense foliage canopies are prone to leaf diseases and insect damage. Scout fields regularly for biotic stresses.

2024 Relative Yield Prediction

Planting date:

04-05-2024			04-26-2024			05-17-2024			06-07-2024		
MG 3	MG 4	MG 5	MG 3	MG 4	MG 5	MG 3	MG 4	MG 5	MG 3	MG 4	MG 5
+7%	+3%	-2%	+4%	+2%	0%	+3%	+3%	+3%	+1%	+1%	+2%

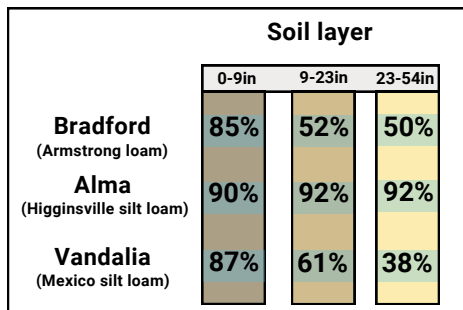
Historical Baseline Yield*

Bradford (Boone County) 43 bu/acre	Alma (Lafayette County) 55 bu/acre	Vandalia (Audrain County) 51 bu/acre
-----------------------------------------------------	-----------------------------------------------------	-------------------------------------------------------

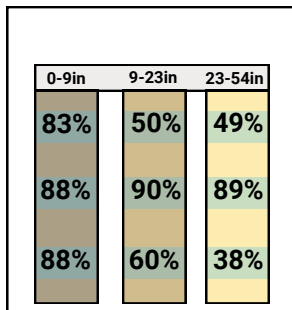
- **Obs 1:** The 2024 yield prediction is relative to the normal yield of the same maturity group planted on the same date.
- **Obs 2:** *The historical baseline yield is the average from 2019 to 2023 reported by USDA-NASS Survey Program.

Soil water content

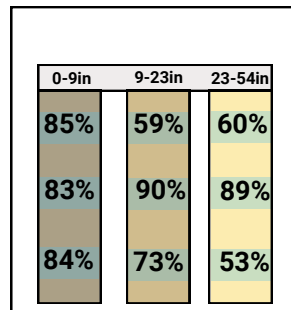
Planting date: 04-05-2024



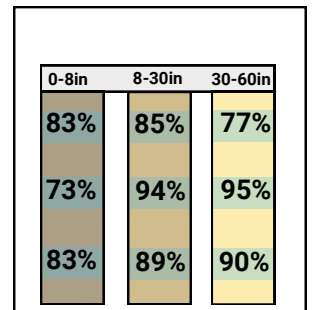
04-26-2024



05-17-2024

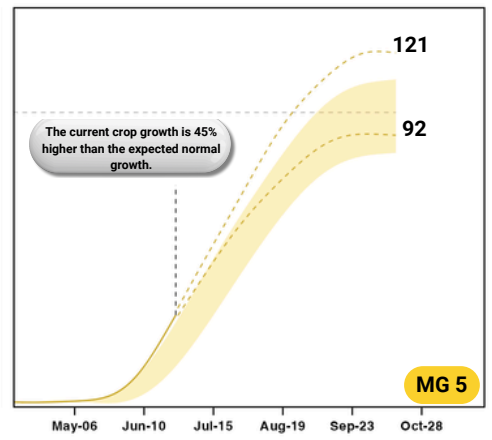
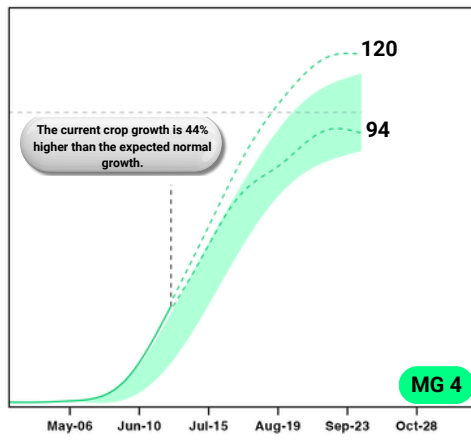
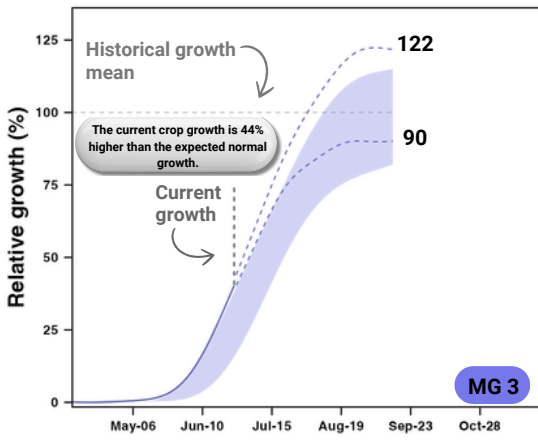


06-07-2024

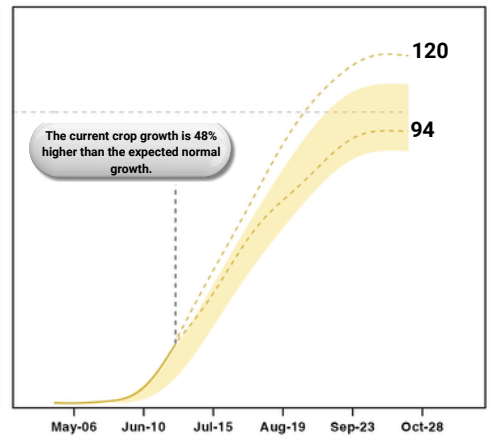
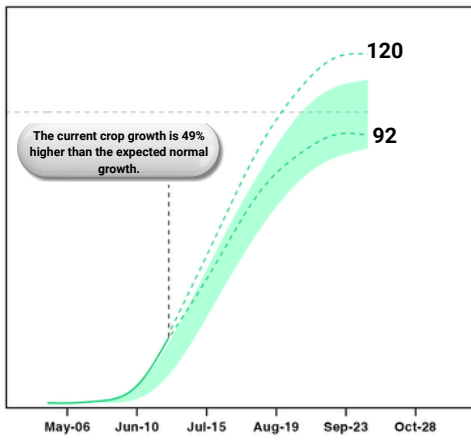
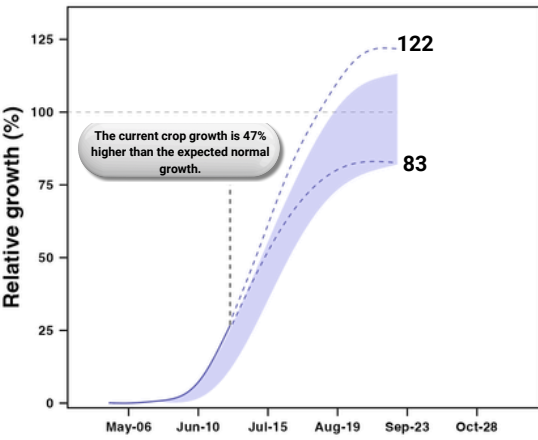


End-of-season growth prediction

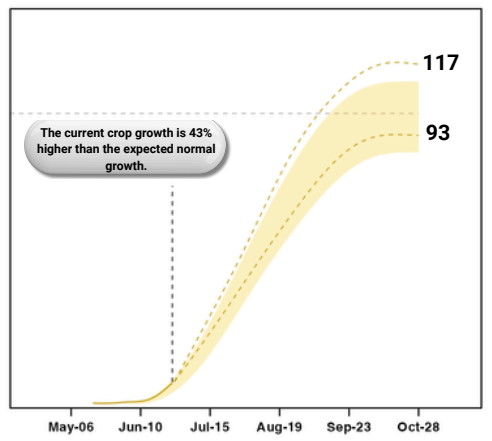
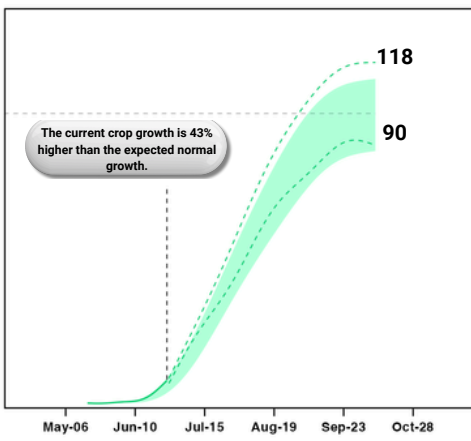
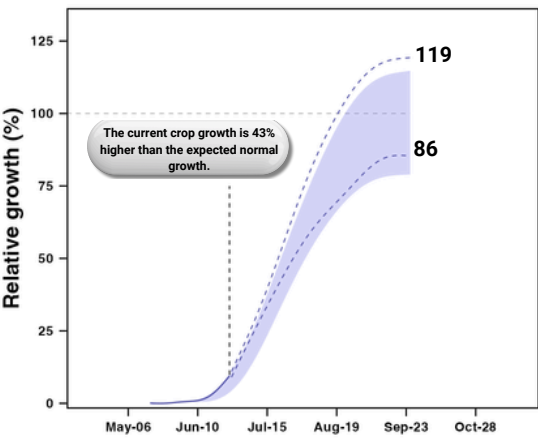
Planting date: 04-05-2024



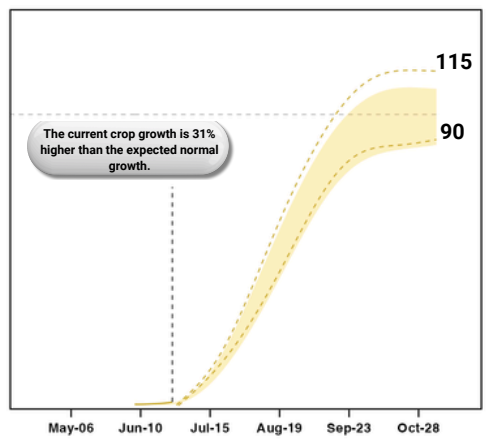
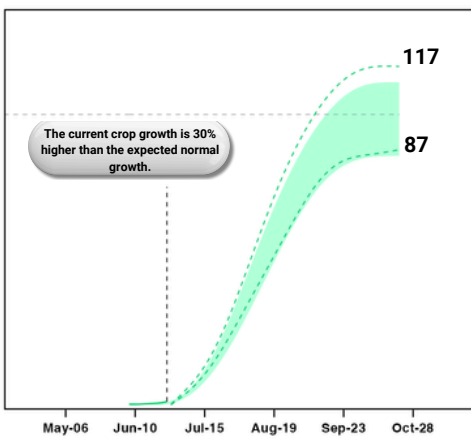
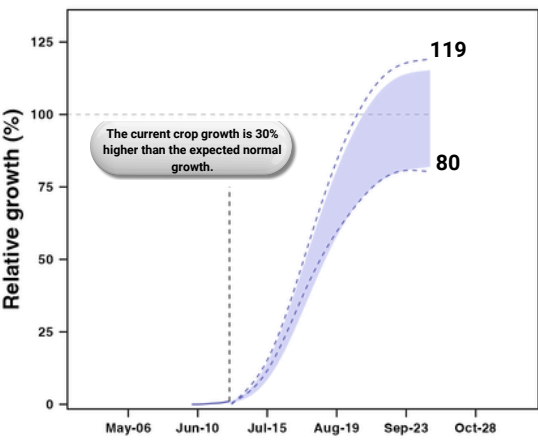
Planting date: 04-26-2024



Planting date: 05-17-2024



Planting date: 06-07-2024



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.

Growth Cycle

Planting date: 04-05-2024

04-26-2024

05-17-2024

06-07-2024

Stage	Nodes	Harvest
MG 3 R3 14	08/18 ± 3 days	
MG 4 R1 14	09/03 ± 3 days	
MG 5 R1 14	09/16 ± 4 days	

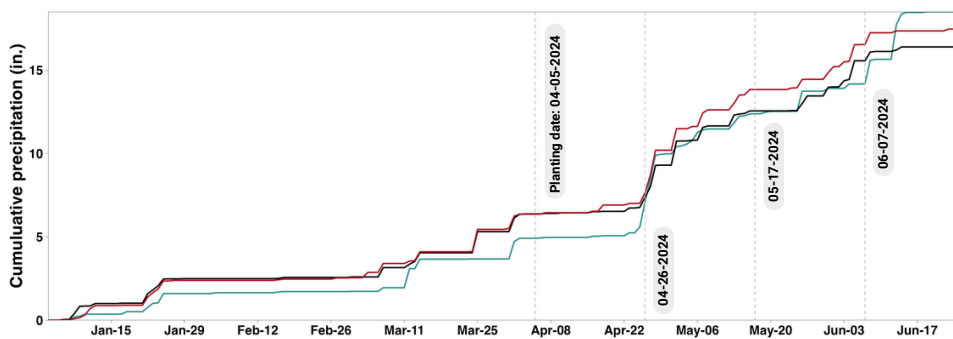
Stage	Nodes	Harvest
R3 11	08/27 ± 3 days	
R1 11	09/11 ± 3 days	
V11 11	09/23 ± 4 days	

Stage	Nodes	Harvest
V8 8	09/06 ± 3 days	
V8 8	09/20 ± 3 days	
V8 8	10/01 ± 5 days	

Stage	Nodes	Harvest
V3 3	09/18 ± 3 days	
V3 3	09/30 ± 4 days	
V3 3	10/11 ± 5 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	0%	0%	0%

Drought stress is estimated by the cumulative crop transpiration reduction.