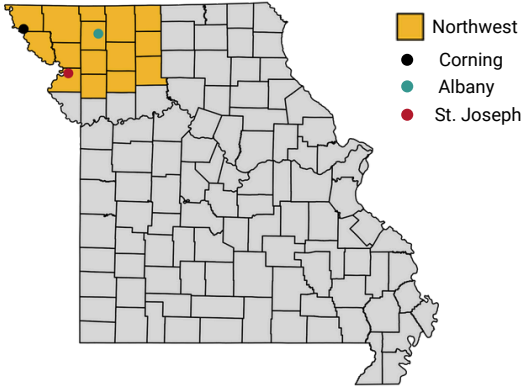




SOYBEAN GROWTH MONITORING

WEEK: 06/26 - NORTHWEST - 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
+14%	+14%	+16%	+12%	+12%	+12%	+8%	+6%	+7%	+3%	+4%	+3%

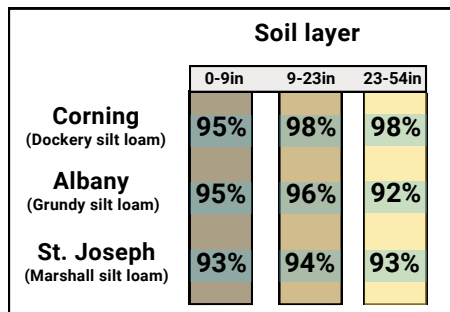
Historical Baseline Yield*

Corning (Holt County) 57 bu/acre	Albany (Gentry County) 48 bu/acre	St. Joseph (Buchanan County) 54 bu/acre
---	--	--

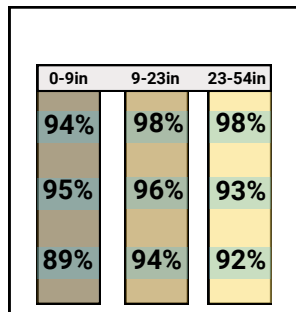
- **Obs 1:** The 2024 yield prediction is relative to the normal yield of the same maturity group planted on the same date.
- **Obs 2:** *The historical baseline yield is the average from 2019 to 2023 reported by USDA-NASS Survey Program.

Soil water content

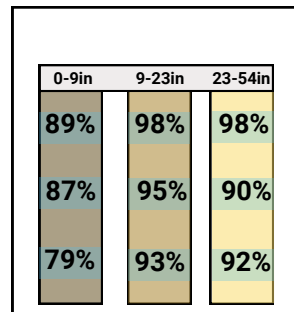
Planting date: 04-05-2024



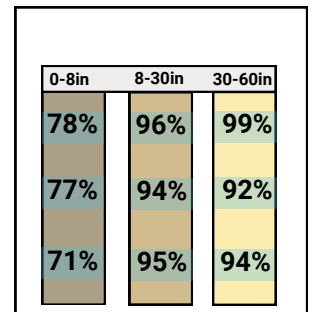
04-26-2024



05-17-2024

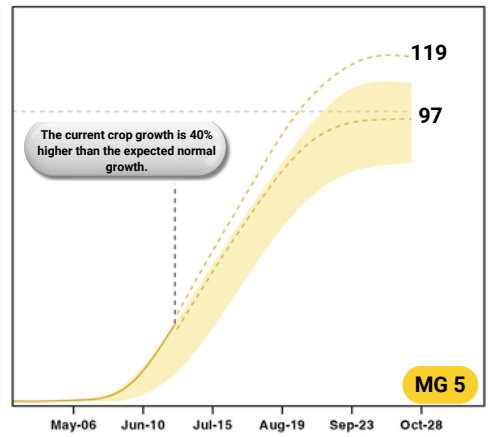
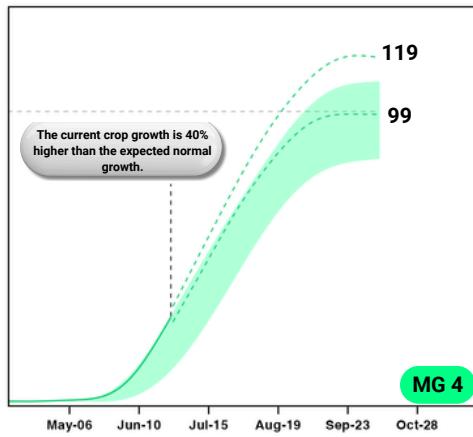
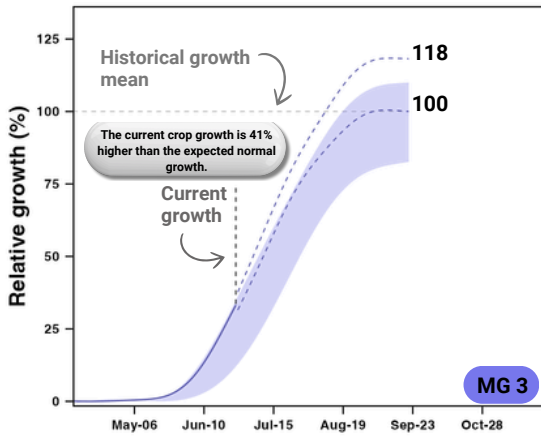


06-07-2024

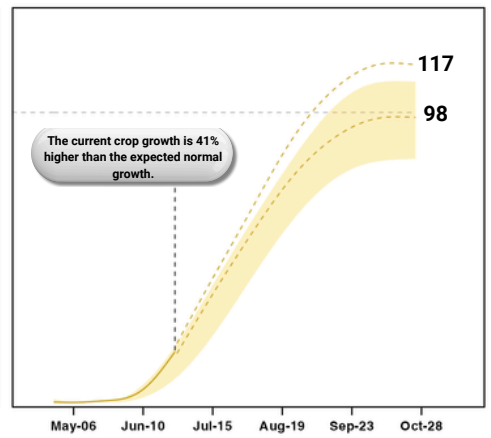
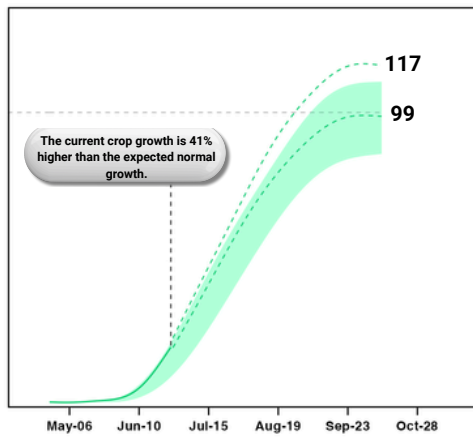
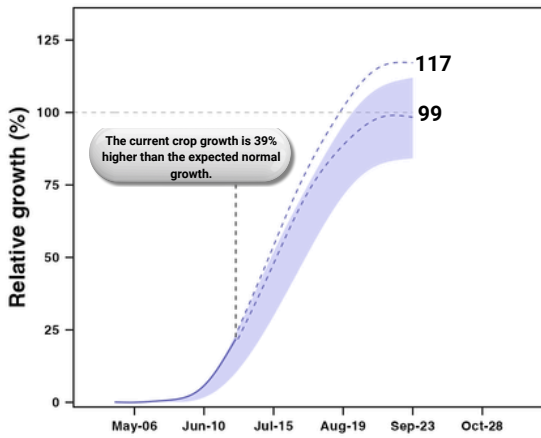


End-of-season growth prediction

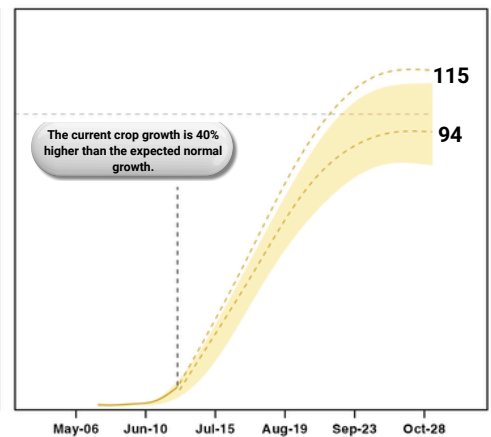
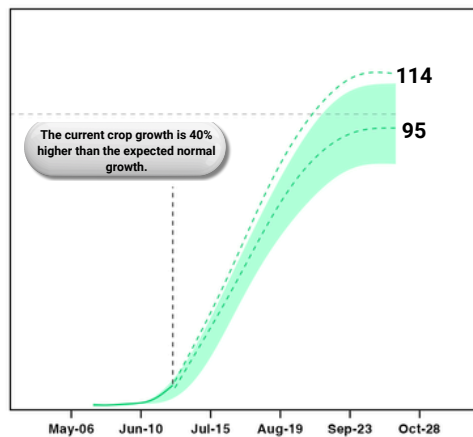
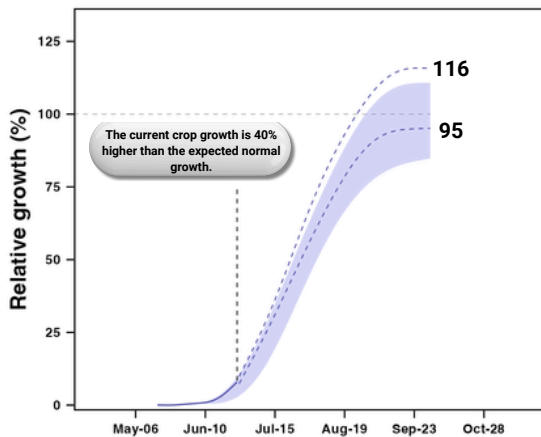
Planting date: 04-05-2024



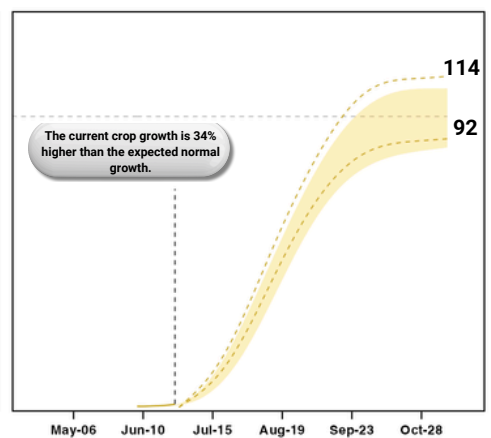
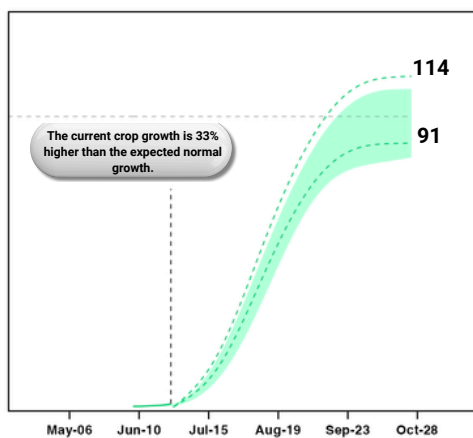
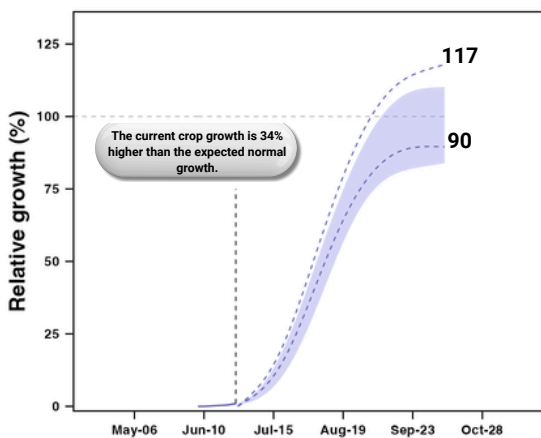
Planting date: 04-26-2024



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	13	08/25 ± 2 days
MG 4 R1	13	09/09 ± 3 days
MG 5 R1	13	09/23 ± 4 days

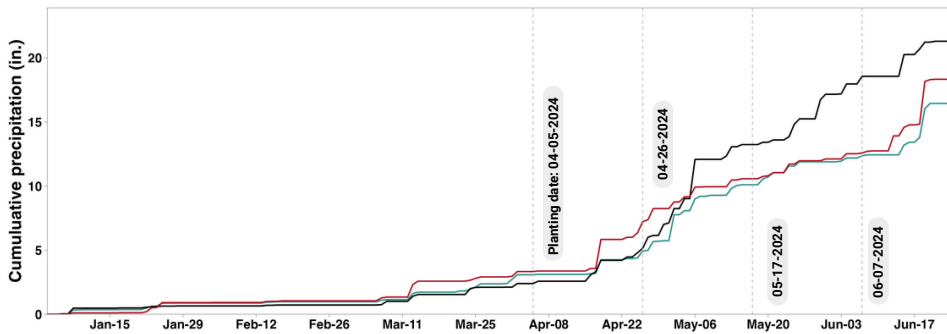
Stage	Nodes	Harvest
R1	11	09/01 ± 2 days
R1	11	09/16 ± 3 days
V11	11	09/29 ± 4 days

Stage	Nodes	Harvest
V8	8	09/10 ± 2 days
V8	8	09/24 ± 3 days
V8	8	10/05 ± 4 days

Stage	Nodes	Harvest
V3	3	09/21 ± 3 days
V3	3	10/04 ± 4 days
V3	3	10/14 ± 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.