



Crop Progress and Condition

Week Ending July 22, 2012

Agricultural Summary

No rain equated to 6.9 **days suitable for fieldwork**. Now experiencing extreme drought, statewide **topsoil moisture** rated 90 percent very short, 9 percent short, and only 1 percent adequate. **Subsoil moisture** was 85 percent very short, 14 percent short, and 1 percent adequate. Grass fires continue to be a concern. Well pumps have been lowered to account for dropping ground water levels.

Field Crops Report

Corn silked and beyond was 95 percent, 13 days ahead of last year and 18 days ahead of normal (5-year average). Corn dough stage and beyond was 61 percent, 15 days ahead of last year, and 17 days ahead of normal. Corn dented was 26 percent, 16 days ahead of last year, and 18 days ahead of normal. Corn condition rated 48 percent very poor, 31 percent poor, 16 percent fair, 4 percent good, and 1 percent excellent. Rain will not help most of the corn crop at this point. Some producers cut silage and baled corn to salvage it due to low yields. **Soybeans** blooming and beyond were 60 percent, 1 week ahead of last year, and 10 days ahead of normal. Soybeans setting pods and beyond were 16 percent, 5 days ahead of last year and normal. Soybean condition was 31 percent very poor, 37 percent poor, 24 percent fair, 7 percent good, and 1 percent excellent. Extreme drought conditions and excessive heat prevented some soybeans from flowering, and there were several reports of soybeans not setting pods. **Cotton** squaring and beyond was 98 percent, 8 days ahead of last year, and 1 week ahead of normal. Cotton setting bolls and beyond was 31 percent, 4 days behind last year, and 9 days behind normal. Cotton condition was 12 percent very poor, 31 percent poor, 42 percent fair, 13 percent good, and 2 percent excellent. **Rice** headed was 22 percent, 16 days ahead of last year, and 3 days ahead of normal. Rice condition was 5 percent poor, 23 percent fair, 52 percent good, and 20 percent excellent. **Sorghum** headed was 47 percent, 16 days ahead of last year, and 11 days ahead of normal. Sorghum turning color and beyond was 7 percent, 16 days ahead of last year, and 11 days ahead of normal. Sorghum condition was 19 percent very poor, 34 percent poor, 35 percent fair, 11 percent good, and 1 percent excellent. **Alfalfa hay** 3rd cutting was 36 percent, 10 days ahead of last year, and 2 weeks ahead of normal. Many areas were not able to have a 3rd cutting due to the drought.

Pasture & Livestock

Pasture condition dropped to 74 percent very poor, 22 percent poor, and only 4 percent adequate. **Supply of hay and other roughages** was 39 percent very short, 40 percent short, and 21 percent adequate. **Stock water supplies** were 48 percent very short, 36 percent short, and 16 percent adequate. Large ponds have dropped several feet, and small ponds were getting low.

Weather Summary

Temperatures were 4 to 8 degrees above average around the state except the southeast district was 2 to 4 degrees above average. Precipitation averaged 0.05 of an inch.

Audio Commentary

Weekly Crop Progress and Condition Audio Commentary is available

http://www.nass.usda.gov/Statistics_by_State/Missouri/Publications/Audio/

Weather Data

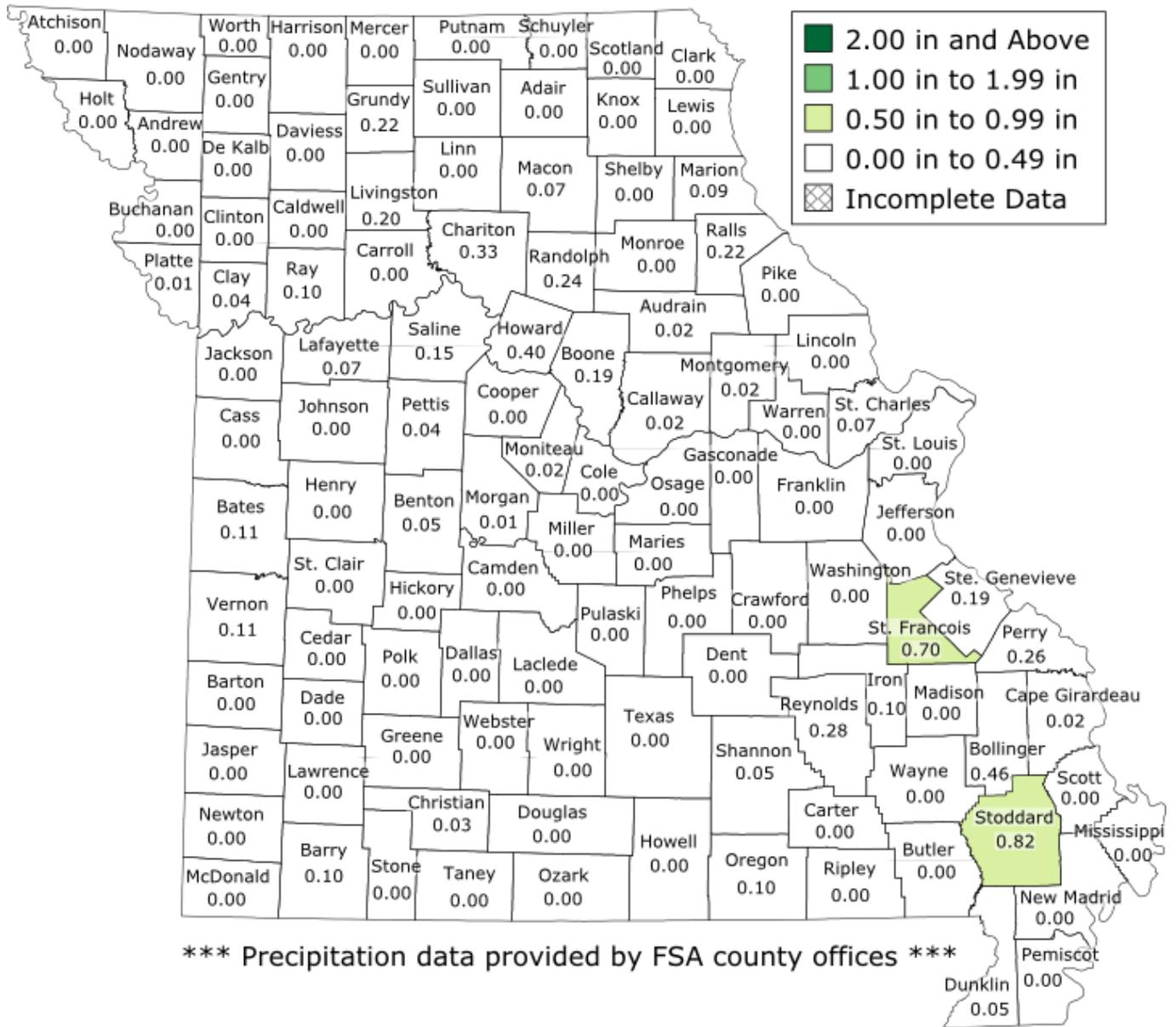
Hourly and daily weather data from stations throughout the state is available at:

<http://agebb.missouri.edu/weather/history/>

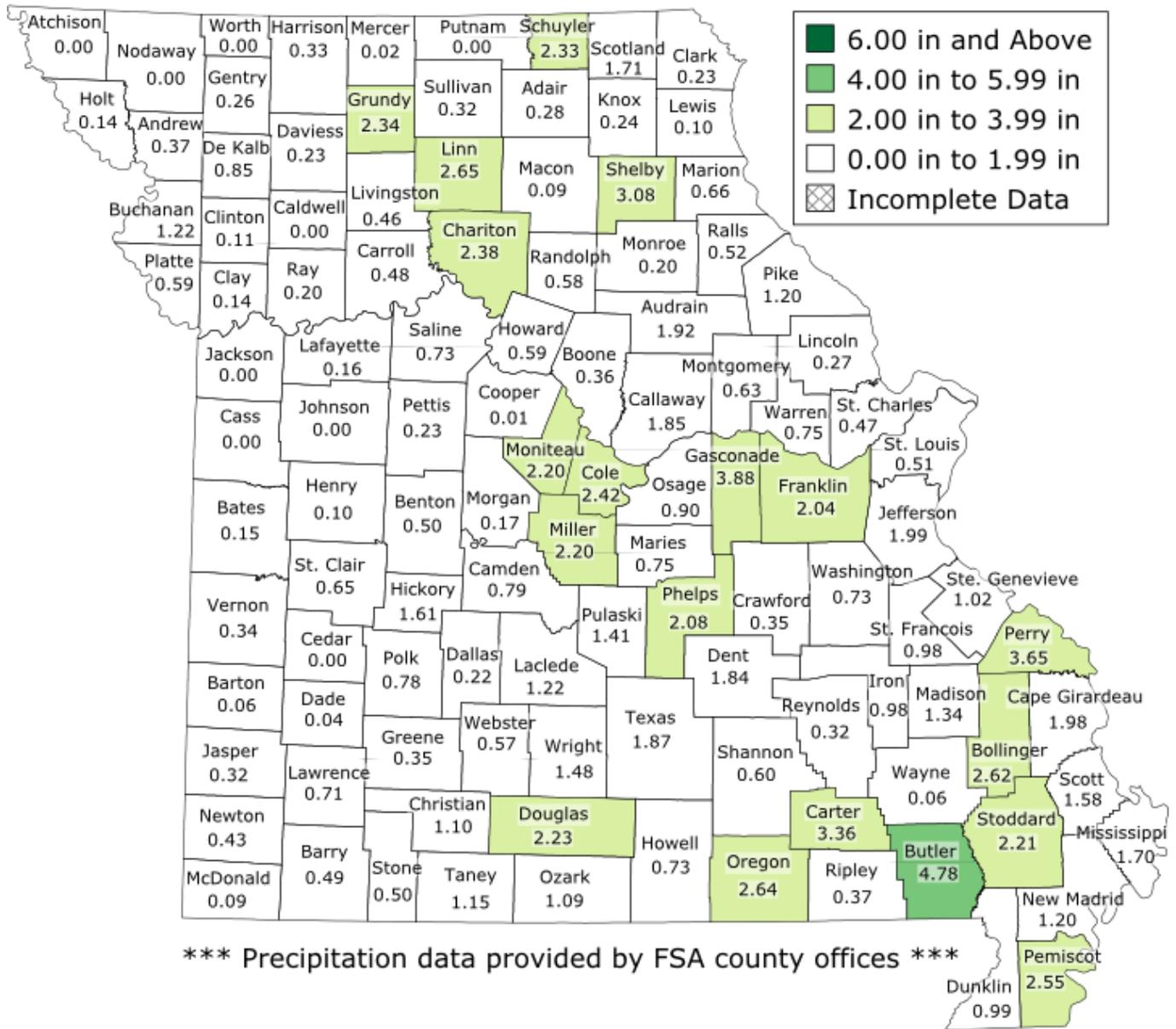
District Summaries As Of July 22, 2012

	Missouri	NW	NC	NE	WC	C	EC	SW	SC	SE
Days Suitable For Fieldwork										
This Year	6.9	7.0	6.9	7.0	7.0	6.8	6.1	7.0	7.0	6.8
Last Year	6.8	6.5	6.9	6.9	7.0	6.7	6.6	7.0	6.8	7.0
Topsoil Moisture Supply										
Very Short	90	89	86	98	92	96	92	93	92	70
Short	9	10	14	2	8	4	8	7	8	24
Adequate	1	1	0	0	0	0	0	0	0	6
Surplus	0	0	0	0	0	0	0	0	0	0
Subsoil Moisture Supply										
Very Short	85	81	79	95	86	96	82	93	96	58
Short	14	17	20	5	14	4	18	7	4	37
Adequate	1	2	1	0	0	0	0	0	0	5
Surplus	0	0	0	0	0	0	0	0	0	0
Corn Dough Stage and Beyond, Percent										
This Year	61	53	48	49	77	65	47	97	49	80
Last Year	21	19	9	14	23	15	7	18	11	52
Normal	21									
Corn Dented, Percent										
This Year	26	19	21	8	27	39	16	79	32	41
Normal	0									
Soybeans Blooming and Beyond, Percent										
This Year	60	77	71	68	57	53	50	41	80	50
Last Year	45	54	55	51	39	50	24	38	26	34
Normal	39									
Soybeans Setting Pods and Beyond, Percent										
This Year	16	24	22	16	1	9	14	20	50	16
Last Year	9	15	11	9	4	8	1	0	6	11
Normal	9									
Sorghum Headed and Beyond, Percent										
This Year	47	70	13	50	59	41	37	83	75	45
Last Year	10	23	9	4	27	11	7	4	23	15
Normal	24									
Corn Condition										
Very Poor	48	30	56	56	58	63	40	41	41	33
Poor	31	29	30	31	33	29	31	41	23	28
Fair	16	33	14	13	9	6	16	18	26	18
Good	4	7	0	0	0	2	13	0	10	14
Excellent	1	1	0	0	0	0	0	0	0	7
Soybean Condition										
Very Poor	31	31	35	29	21	52	26	40	35	27
Poor	37	39	41	31	48	32	42	37	23	31
Fair	24	26	21	34	29	16	19	23	29	24
Good	7	3	3	6	2	0	13	0	13	16
Excellent	1	1	0	0	0	0	0	0	0	2
Supply of Hay and Other Roughages										
Very Short	39	58	40	24	22	44	47	11	59	49
Short	40	33	43	35	55	31	40	50	36	51
Adequate	21	9	17	37	23	25	13	39	5	0
Surplus	0	0	0	4	0	0	0	0	0	0
Stock Water Supplies										
Very Short	48	30	33	22	40	65	54	36	66	69
Short	36	46	45	42	32	29	38	46	31	17
Adequate	16	24	22	34	28	6	8	18	3	14
Surplus	0	0	0	2	0	0	0	0	0	0
Pasture Condition										
Very Poor	74	71	68	66	71	83	77	66	76	80
Poor	22	26	25	25	25	14	20	30	24	18
Fair	4	3	7	7	4	3	3	4	0	1
Good	0	0	0	2	0	0	0	0	0	1
Excellent	0	0	0	0	0	0	0	0	0	0
Average Precipitation	0.05	0.01	0.09	0.03	0.03	0.04	0.10	0.01	0.06	0.11

Precipitation for Week Ending July 22, 2012



Precipitation for Four Weeks Ending July 22, 2012





Missouri Corn and Soybean Condition Supplement



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 800-551-1014 - www.nass.usda.gov

July 23, 2012

Contact: Robert Garino

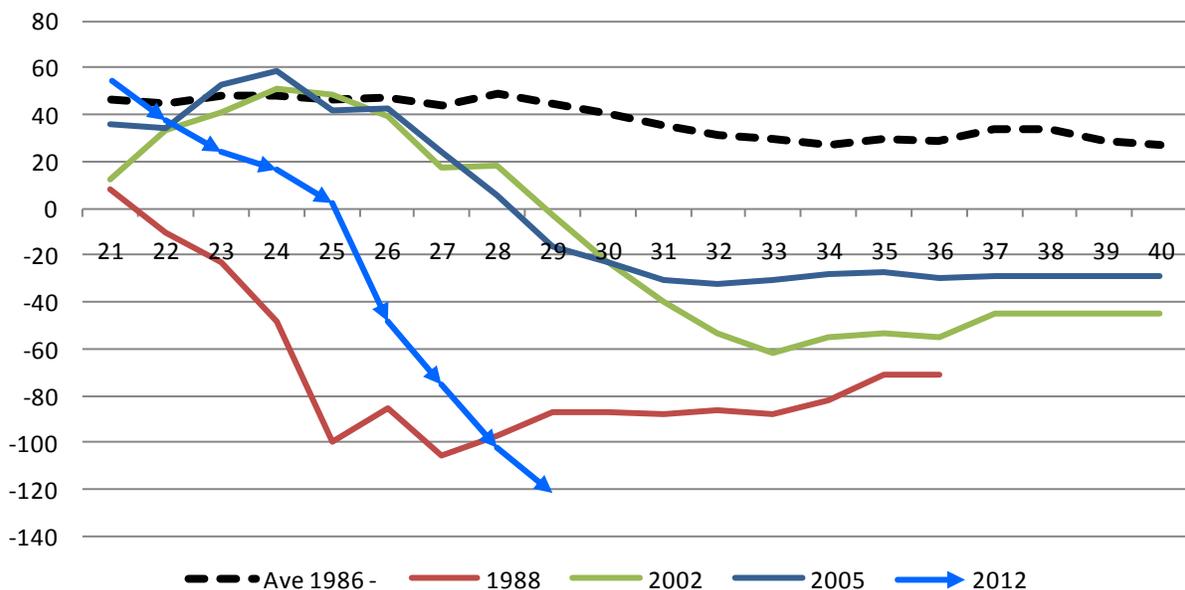
(Columbia, MO) As a way to put this year in a historical perspective, crop condition data from 1986 through 2012 were compared. This data is available on The USDA-NASS website at www.nass.usda.gov. For the purpose of comparison, an index was created where the percent of acres assigned to each condition category (excellent, good, fair, poor, very poor) for the week was multiplied by a factor as shown in the table on the right. The numbers were then totaled. A total

of zero would mean on average the crop is in fair condition. Positive scores mean better than fair on average, with the highest possible total, 200, meaning 100% of crop in the state is in excellent condition. Likewise, a total of a negative 200 (-200), means 100% of the crop in the state is in very poor condition.

Percent of Acreage	Multiplier
Excellent	2
Good	1
Fair	0
Poor	-1
Very Poor	-2

We can compare this number, and the numbers each week, to previous years to get a better idea of how this year compares to previous years. The chart below compares the corn weekly

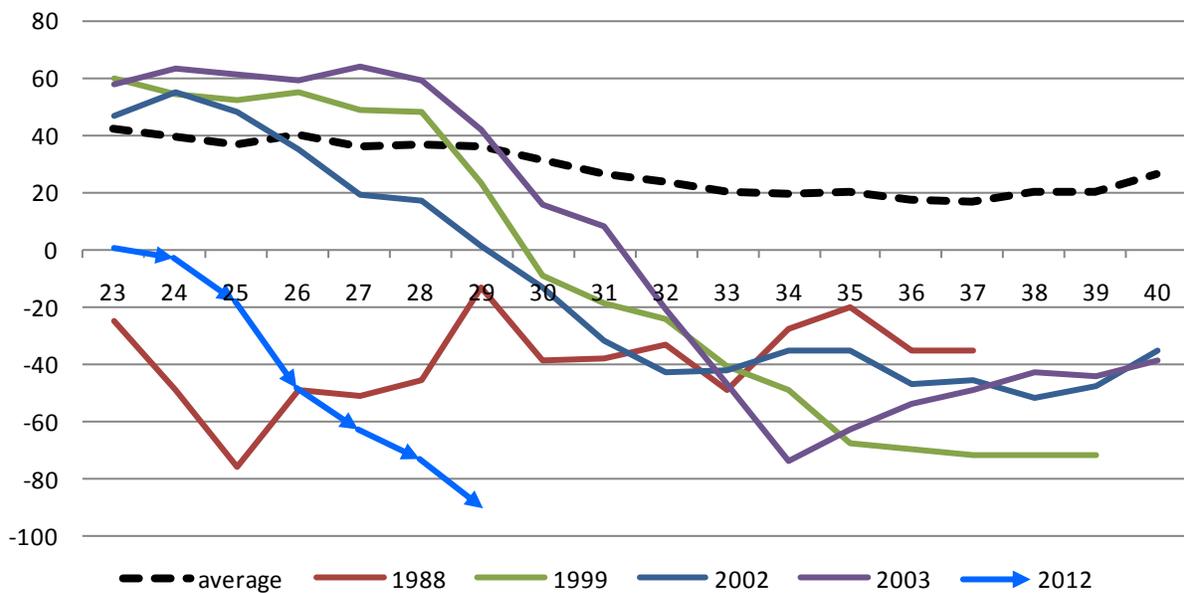
Corn Condition Index by Week



index so far this year to the average for all years since 1986 and to the only three years since 1986 for which the average index score for the entire season was negative. Those three years were 1988, 2002 and 2005. Note that the chart tracks from week 21 through week 40 except for this year and for 1988 where data is available only through week 38. **This is week 29.**

For soybeans there have been four years that the soybean index was negative, on average, for the entire year: 1988, 1999, 2002 and 2003. The chart below tracks week 23 through week 40, except for the years 1988 and 1999 when data was available only through weeks 37 and 39, respectively.

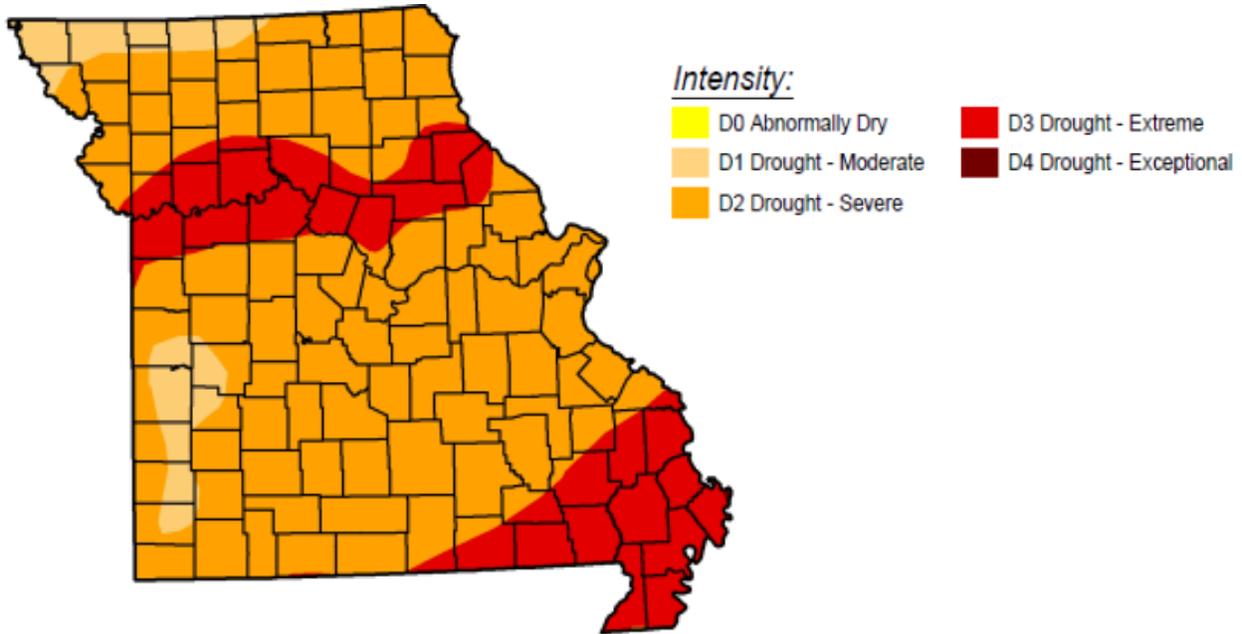
Soybean Condition Index by Week



This condition index is for comparison of corn and soybean crop conditions at this point in the current year to past years for informational purposes. It is not a statement of official NASS estimates for future crop conditions, yield or production. It is not a prediction that current crop conditions will continue into

Drought Monitor

July 17, 2012



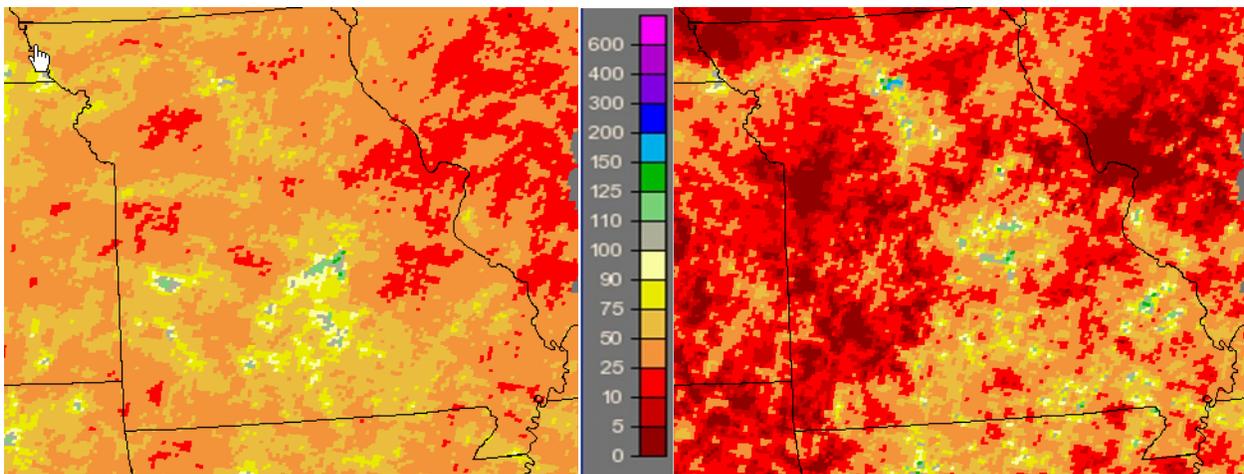
Source: National Drought Mitigation Center, a partnership with USDA, U.S. Department of Commerce/NOAA, <http://droughtmonitorunl.edu>

Percent of Normal Precipitation

July 23, 2012

Last 60 Days

Last 30 Days



Source: National Weather Service, www.nws.noaa.gov
