

Drought of 2012: A Land Grant Extension Perspective

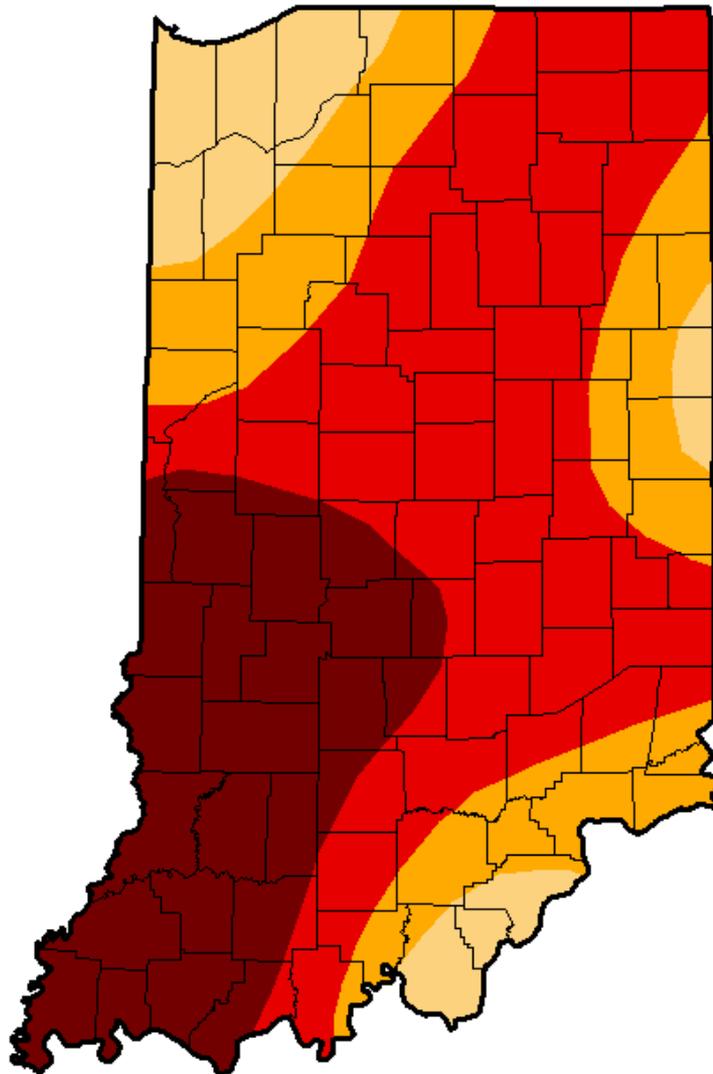
Hans Schmitz

US Drought Monitor Forum

3 April 2017

U.S. Drought Monitor Indiana

August 7, 2012
(Released Thursday, Aug. 9, 2012)
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	100.00	89.75	68.56	25.00
Last Week <i>7/31/2012</i>	0.00	100.00	99.59	84.85	59.05	24.26
3 Months Ago <i>5/8/2012</i>	88.34	11.66	0.00	0.00	0.00	0.00
Start of Calendar Year <i>1/3/2012</i>	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year <i>9/27/2011</i>	55.11	44.89	6.08	0.00	0.00	0.00
One Year Ago <i>8/9/2011</i>	26.94	73.06	30.35	0.00	0.00	0.00

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

Mark Svoboda
National Drought Mitigation Center



It Begins...

Record amount of corn planted on April 5 (SW)

U.S. Drought Monitor Indiana



April 3, 2012

(Released Thursday, Apr. 5, 2012)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	88.91	11.09	0.00	0.00	0.00	0.00
Last Week <i>3/27/2012</i>	100.00	0.00	0.00	0.00	0.00	0.00
3 Months Ago <i>1/3/2012</i>	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year <i>1/3/2012</i>	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year <i>9/27/2011</i>	55.11	44.89	6.08	0.00	0.00	0.00
One Year Ago <i>4/5/2011</i>	66.72	33.28	0.00	0.00	0.00	0.00

Intensity:



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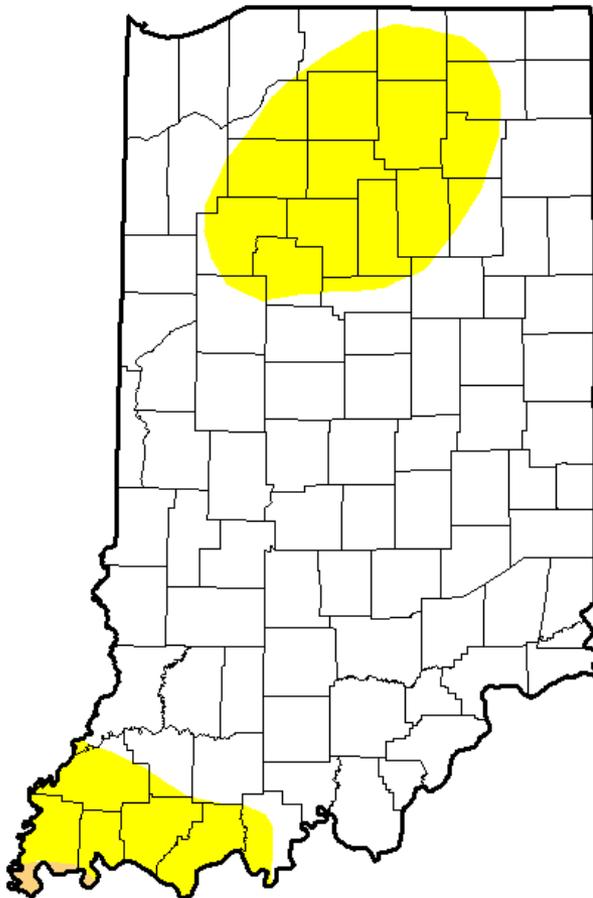
Author:

Brian Fuchs
National Drought Mitigation Center



May is Quiet

U.S. Drought Monitor Indiana



May 15, 2012

(Released Thursday, May. 17, 2012)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	78.86	21.14	0.31	0.00	0.00	0.00
Last Week <i>5/8/2012</i>	88.34	11.66	0.00	0.00	0.00	0.00
3 Months Ago <i>2/14/2012</i>	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year <i>1/3/2012</i>	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year <i>9/27/2011</i>	55.11	44.89	6.08	0.00	0.00	0.00
One Year Ago <i>5/17/2011</i>	100.00	0.00	0.00	0.00	0.00	0.00

Intensity:



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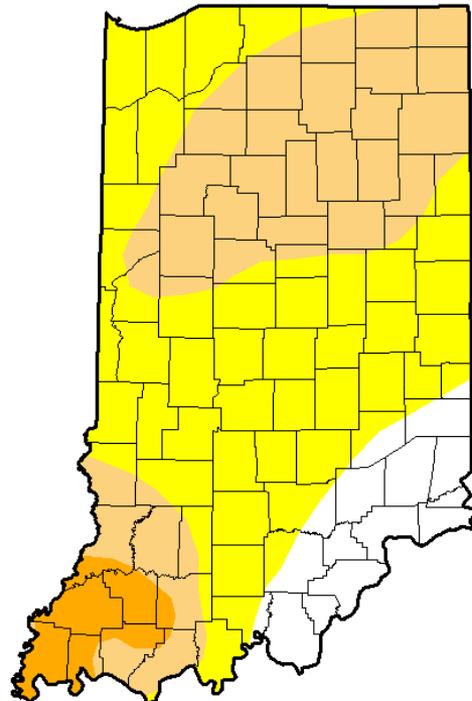
*Brad Rippey
U.S. Department of Agriculture*



Early June

Recognition of expanding drought begins pictures, Climate Office communication

U.S. Drought Monitor Indiana



June 12, 2012

(Released Thursday, Jun. 14, 2012)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	11.60	88.40	39.44	5.16	0.00	0.00
Last Week <i>6/5/2012</i>	50.05	49.95	18.49	1.40	0.00	0.00
3 Months Ago <i>3/13/2012</i>	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year <i>1/2/2012</i>	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year <i>9/27/2011</i>	55.11	44.89	6.08	0.00	0.00	0.00
One Year Ago <i>6/14/2011</i>	100.00	0.00	0.00	0.00	0.00	0.00

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

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Author:

David Miskus
NOAA/NWS/NCEP/CPC



<http://droughtmonitor.unl.edu/>

Late June

Panic begins, website developed

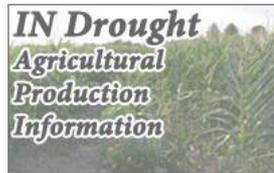
PURDUE
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Home Events Disaster Topics Flooding 2015 Climate Change

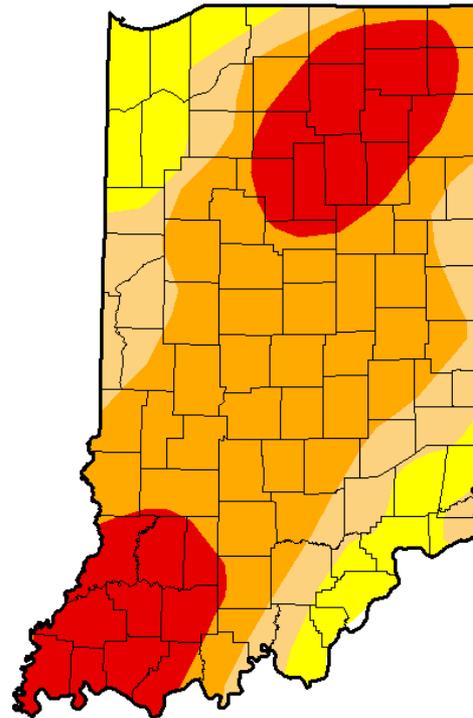
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Purdue Extension has information about the drought and its effects on homeowners and community leaders.

Purdue Extensions will continue to monitor the drought and update here, contact your Purdue Extension county office. Please call for Purdue Extension in your county. Or email extension@purdue.edu



U.S. Drought Monitor Indiana



June 26, 2012

(Released Thursday, Jun. 28, 2012)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.14	99.86	87.03	68.58	23.46	0.00
Last Week <i>6/19/2012</i>	0.14	99.86	78.24	36.31	5.20	0.00
3 Months Ago <i>3/27/2012</i>	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year <i>1/8/2012</i>	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year <i>9/27/2011</i>	55.11	44.89	6.08	0.00	0.00	0.00
One Year Ago <i>6/28/2011</i>	100.00	0.00	0.00	0.00	0.00	0.00

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
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- D4 Exceptional Drought

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Author:

Richard Heim
NCDC/NOAA



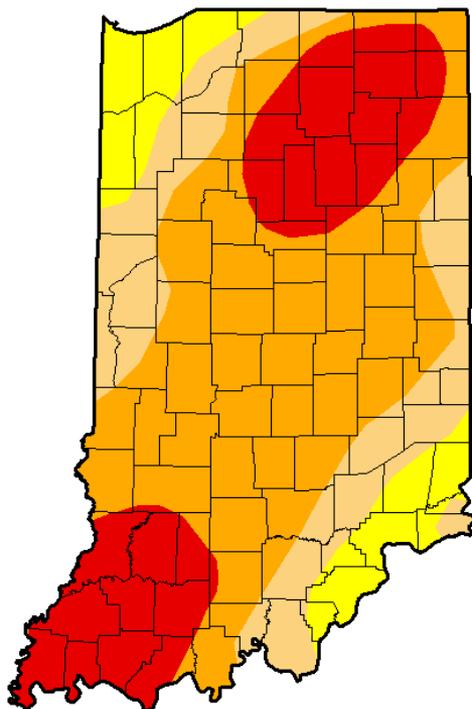
<http://droughtmonitor.unl.edu/>



July 5

Statewide Media Conference to Address Ag Concerns (FB, ISDA, Ext., etc.), SILAGE!?

U.S. Drought Monitor Indiana



July 3, 2012

(Released Thursday, Jul. 5, 2012)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	89.02	68.84	23.46	0.00
Last Week 6/26/2012	0.14	99.86	87.03	68.58	23.46	0.00
3 Months Ago 4/3/2012	88.91	11.09	0.00	0.00	0.00	0.00
Start of Calendar Year 1/3/2012	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year 9/27/2011	55.11	44.89	6.08	0.00	0.00	0.00
One Year Ago 7/5/2011	100.00	0.00	0.00	0.00	0.00	0.00

Intensity:

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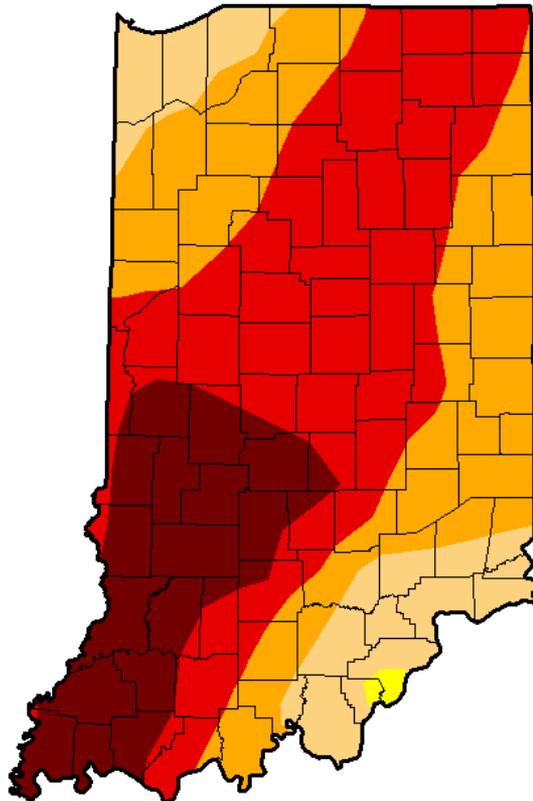
Richard Tinker
CPC/NOAA/NWS/NCEP



Late July

Drought fungal concerns recognized

U.S. Drought Monitor Indiana



July 24, 2012

(Released Thursday, Jul. 26, 2012)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	99.59	87.23	57.75	18.67
Last Week 7/17/2012	0.00	100.00	99.40	87.04	53.61	0.49
3 Months Ago 4/24/2012	76.01	23.99	0.00	0.00	0.00	0.00
Start of Calendar Year 1/3/2012	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year 9/27/2011	55.11	44.89	6.08	0.00	0.00	0.00
One Year Ago 7/26/2011	66.52	33.48	0.00	0.00	0.00	0.00

Intensity:

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- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

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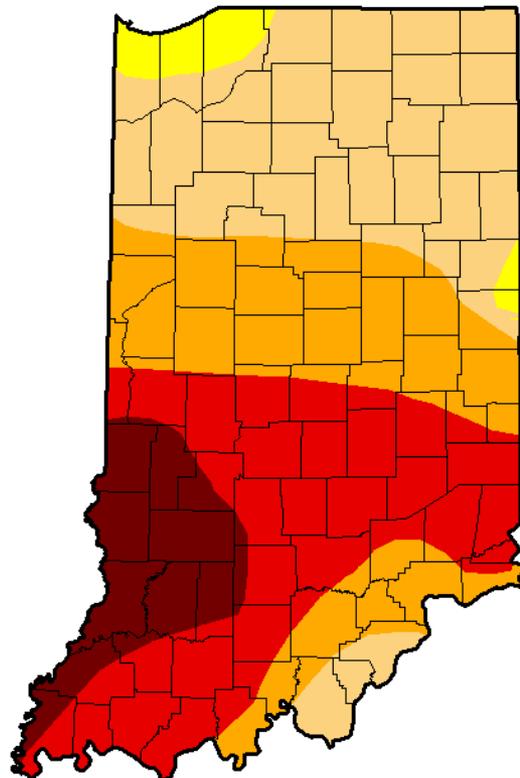
Richard Heim
NCDC/NOAA



Late August

Harvest begins in earnest, hay concerns high

U.S. Drought Monitor Indiana



August 28, 2012

(Released Thursday, Aug. 30, 2012)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	96.94	64.07	39.22	10.80
Last Week 8/21/2012	0.00	100.00	98.14	81.48	37.09	10.77
3 Months Ago 5/29/2012	50.05	49.95	15.21	0.00	0.00	0.00
Start of Calendar Year 1/3/2012	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year 9/27/2011	55.11	44.89	6.08	0.00	0.00	0.00
One Year Ago 8/30/2011	16.91	83.09	44.15	2.75	0.00	0.00

Intensity:



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Author:

Brian Fuchs

National Drought Mitigation Center

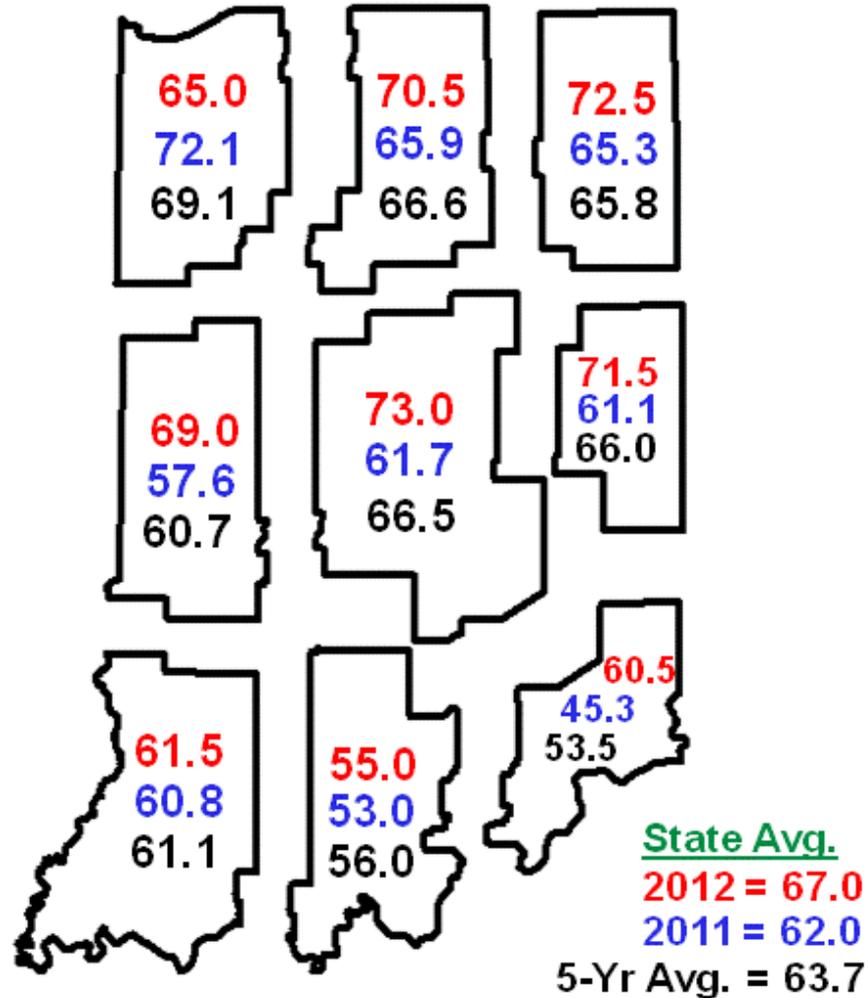


Farmers – Corn and Bean Production

- USDA – 122 bu/acre (down 25.2 from '11)
- Indiana – 100 bu/acre (down 46 from '11)
 - 839.5 to 605 million bushels on 300K MORE acres
- Gibson County – 0-300 bu/acre
- Early beans slightly below average (41 bu/acre)
- Late beans frosted out, too small, etc.

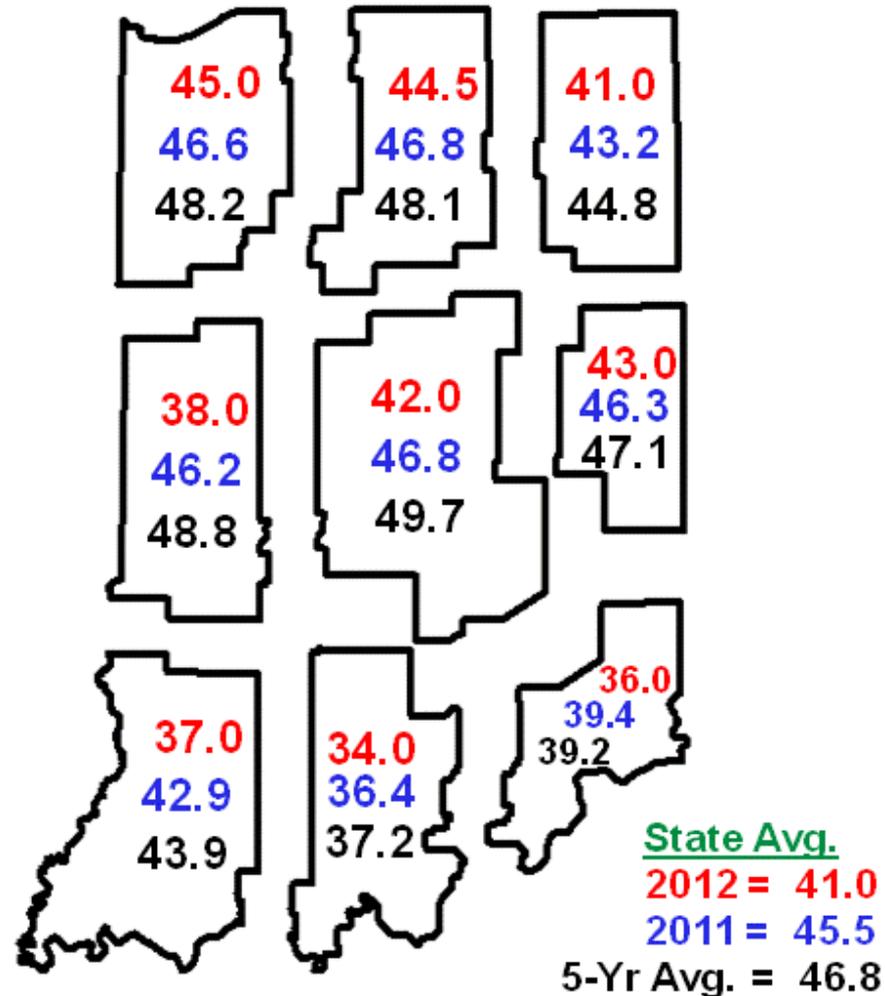
LESS SUPPLY, LESS MONEY

Indiana District Wheat Yields August 1, 2011-2012



Source: USDA, NASS, Indiana Field Office

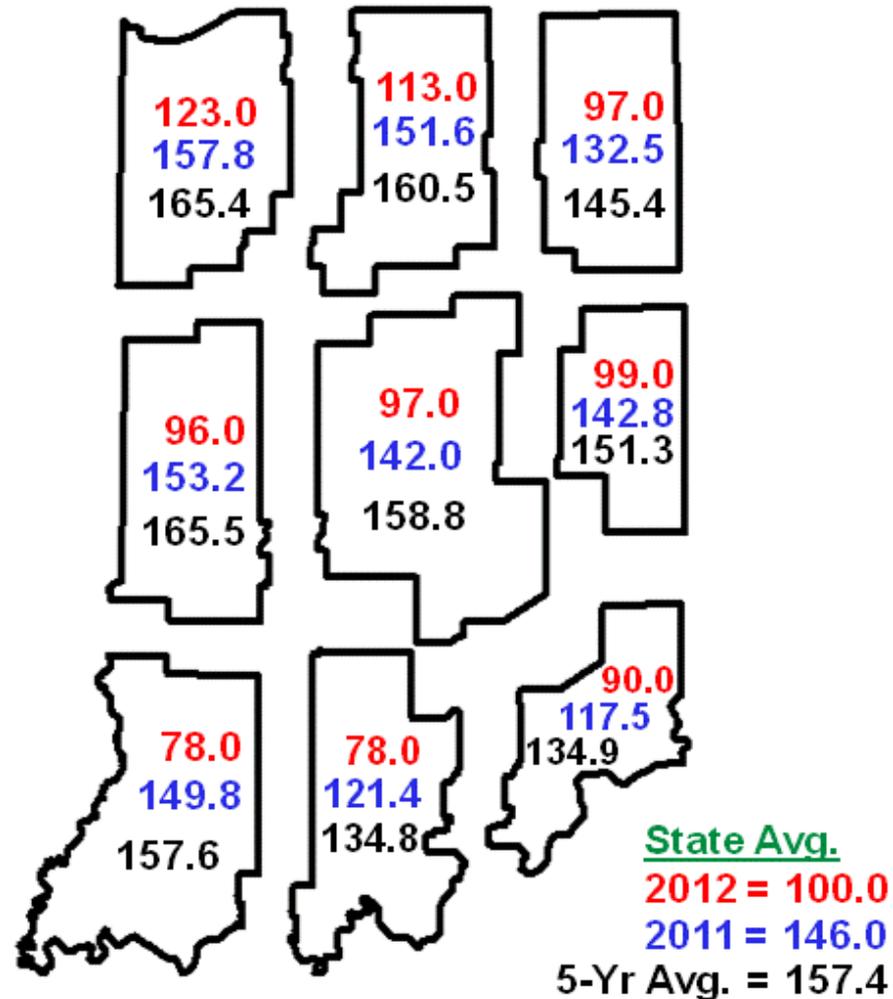
Indiana District Soybean Yields October 1, 2011-2012



Source: USDA, NASS, Indiana Field Office

Indiana District Corn Yields

October 1, 2011-2012



Source: USDA, NASS, Indiana Field Office

Farmers - Livestock

- Cull, cull, cull
- Less breeders
- Less young 'uns
- Less to market
- Higher prices
- More breeders
- Less to market
- High price maintained

2012



2013



2014

Overall Ag Economy

- Expansion of markets for Brazil, Argentina
- Made the price fall more severe

Export  Import

Homeowners (through 2016)

- Dying trees, shrubs
 - Insects --> Woodpeckers
 - Disease
- Dead trees
 - High seed production
 - Soft Rots
- Biennial bearing fruits
 - Remove some buds



Homeowners

- Lawn considerations
 - To overseed or to reseed?
 - Weed control
 - Fertilizer considerations?
 - Who should I hire?