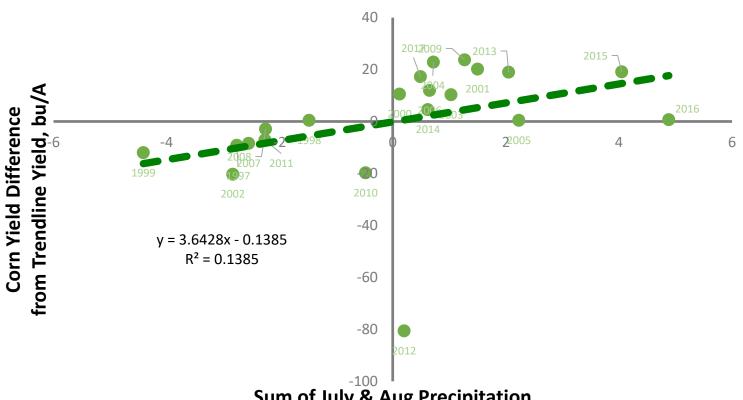
## Kentucky Corn Yield vs July & August Precipitation (20 Year Normal)

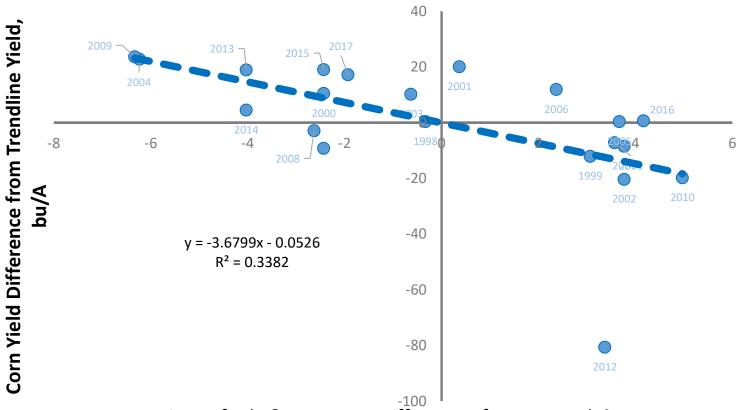


Sum of July & Aug Precipitation
Differences from Normal, inches

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## **Kentucky Corn Yield vs July & August Temperatures** (20 Year Normal)

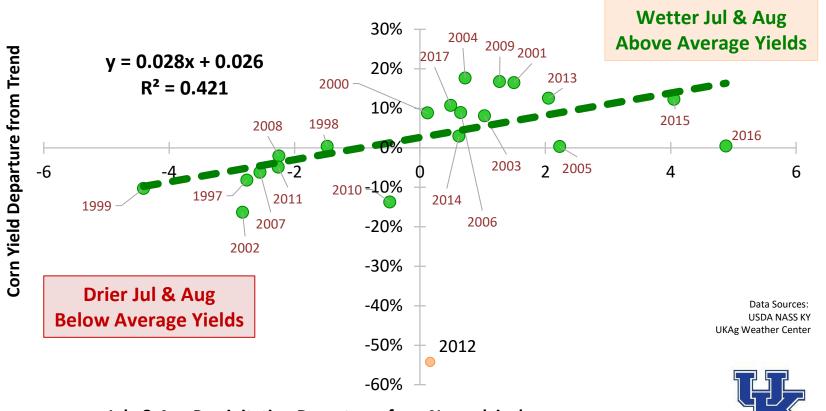


Sum of July & Aug Temp Differences from Normal, °F

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## KY Corn Yield Departure vs July & August Precipitation Departure (2012 Excluded from Calculations)



July & Aug Precipitation Departures from Normal, inches

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KY Corn Yield Departure vs July & August Rainfall-Temp Index Cooler & Wetter Jul & Aug (2012 Excluded from Calculations) **Above Average Yields** 20% 2009 2004 v = 0.019x + 0.0262001 **Corn Yield Departure from Trend**  $R^2 = 0.720$ 15% 2006 2017 2000 10% 2015 2013 2003 1998 5% 2005 2011 <sup>'</sup>2007 **-8** -10 2 4 8 10 2014 -5% 2016 2008 -10% 1997 1999 Data Sources: USDA NASS KY **UKAg Weather Center** 2010 -15% 2002 -20% **Hotter & Drier Jul & Aug** July & Aug Rainfall-Temp Departure Index

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**Below Average Yields** 

