

Grains Center of Excellence



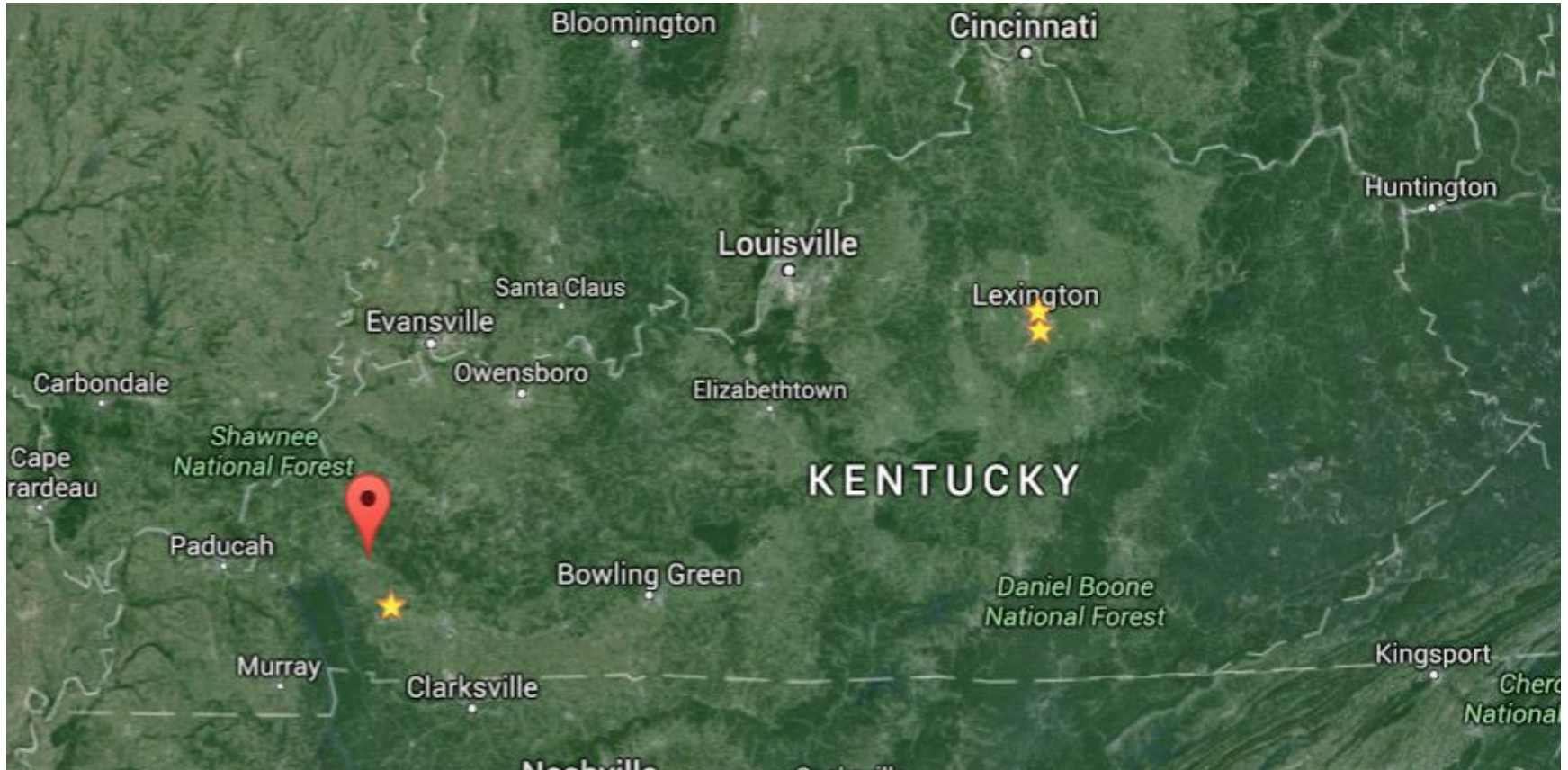
Grain Crops & Water Quality



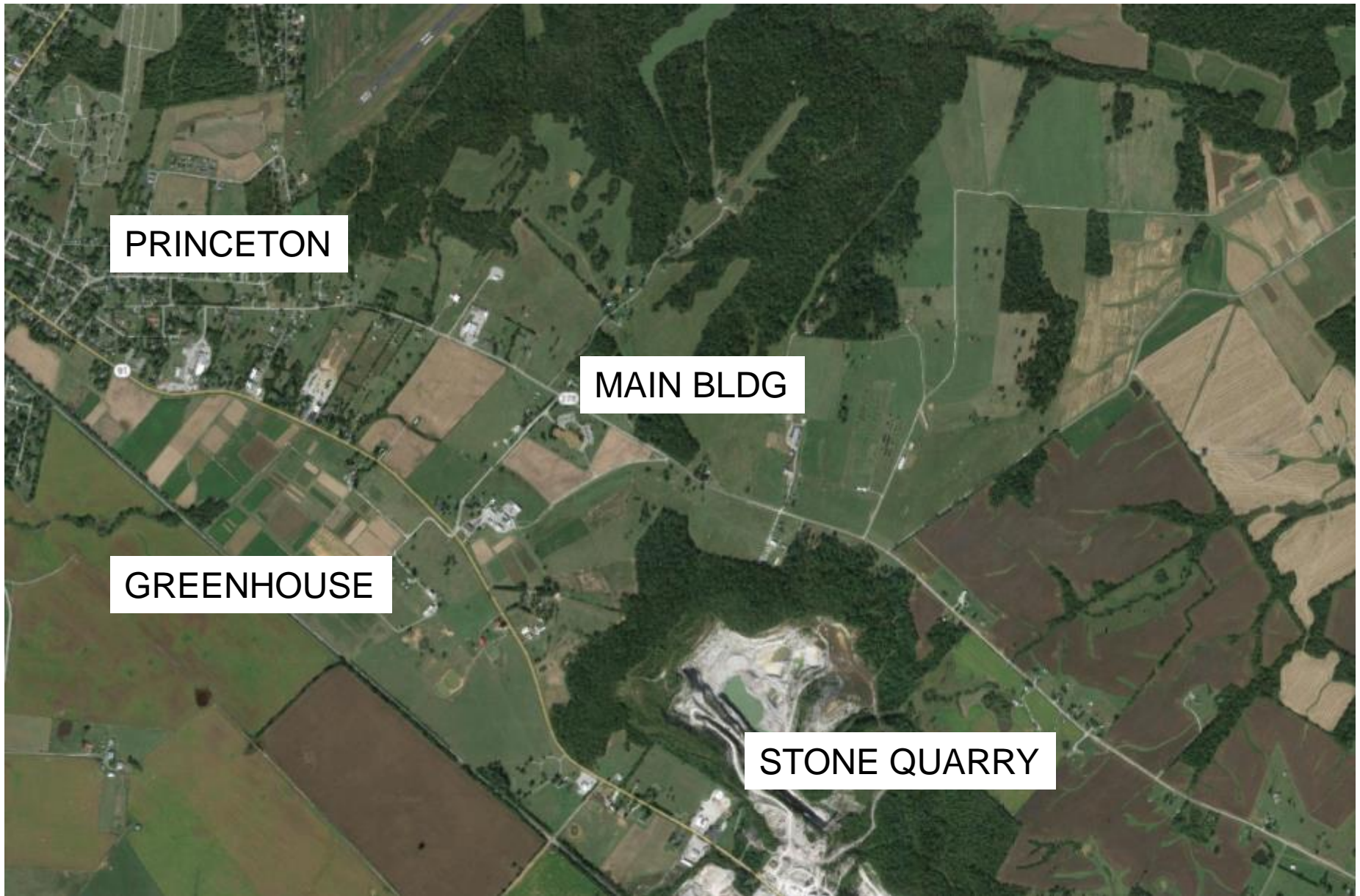
Efficient Yields also means Minimal Environmental Impact.

Grains Center of Excellence

housed at the Research and Education Center







Soil Map—Caldwell County, Kentucky



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

3/12/2015
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Proposed Research Areas

- **Produce grain crops more efficiently on land best suited to grain crops while minimizing the impact on the environment.**



Proposed Research Areas

- **Irrigation – scheduling, variable rate, fertilizer management, populations, etc.**
- **Run-off – monitor water quality exiting our research fields**

The “Hargis” Field



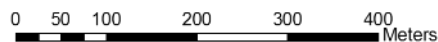
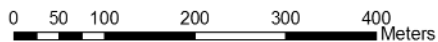
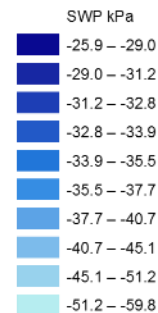
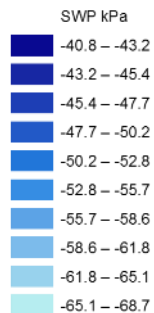
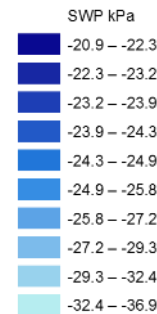
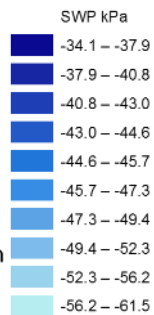
SWP June 10 20 cm

Soil water potential

SWP June 10 60 cm

SWP July 14 20 cm

SWP July 14 60 cm



Grains Center of Excellence

- **Land with irrigation and monitoring systems will allow us to closely link intensive agricultural production and ground water quality.**
- **The treatments we impose will help us accomplish the goals of increasing efficiency and minimizing environmental impact.**



Grains Center of Excellence Task Force

First Name	Last Name	Representing
David	Beck	Ky Farm Bureau
Ryan	Bivens	Ky Soybean Assn.
Richard	Coffey	UK - Animal & Food Science
Nancy	Cox	UK - Dean
Todd	Davis	UK - Ag Economics
Debbie	Ellis	Ky Soybean Assn.
Tripp	Furches	Ky Farm Bureau
Don	Halcomb	KSGGA
Clint	Hardy	UK - Ag Agent Daviess Co
Curt	Judy	UK - Ag Agent Todd Co.
Laura	Knoth	KyCorn & KySmall Grain
Carrie	Knott	UK - PSS
Phillip	McCoun	Ky Corn Assn. (Chairman)
Eddie	Melton	Ky Farm Bureau
Tom	Miller	UK - Ag Agent Ballard Co
Lloyd	Murdock	UKREC - Interim Director
Todd	Pfeiffer	UK - PSS
Russel	Schwenke	Ky Corn Assn. (President)
Keith	Tapp	Ky Soybean Assn.
Steve	Workman	UK Assoc. Dean
Paul	Hornback	KY Senate
Tom	McKee	KY House
Roger	Thomas	GOAP
Sam	Moore	Ag Development Board
Chad	Lee	UK - PSS



Our Vision

The Kentucky Grains Center of Excellence Should be:

1. People who tackle important issues in grains agriculture.
2. A recognized center in the region.
3. People connected with local producers, industries and citizens.
4. State of the art facilities that allow these goals to be achieved.

Current Facilities – Main Building

- Built 1980
- Offices
- Meeting Rooms
- Labs







SOUTHWEST VIEW



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 UNIVERSITY OF KENTUCKY RESEARCH AND EDUCATION CENTER
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