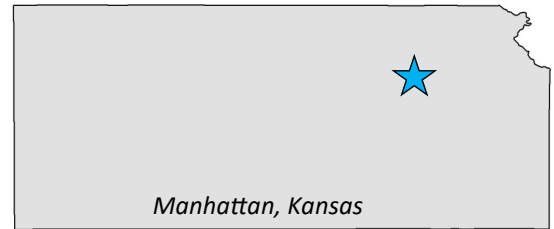


Kansas State University Green Roofs

Project Description: Kansas State University has implemented a number of green roofs on campus, the first being the Seaton Hall upper green roof (305 square feet), followed by the Seaton Hall lower green roof (315 square feet). A 300-gallon cistern that collects storm water for this roof was later added. Two green roofs were also added to the World War I Memorial Stadium. These roofs combined cover 43,050 square feet. The architecture, planning and design department’s experimental green roof constructed on top of Regnier Hall is the most recent project and covers 1,650 square feet. These projects continue to serve as research for native plant performance and soil quality. Butterfly communities have also been studied as indicators to the health of the roofs.



Project Location: Kansas State University, Manhattan, Kansas

Project Partners: Many people were involved in these projects. Please visit K-State’s Green Roofs webpage for full listings of all sponsors, research teams and design teams for each project.

Project Funding:

Seaton Hall		Memorial Stadium	APDesign
<i>Upper</i>	<i>Lower</i>		
WaterLINK Water Quality Restoration and Protection Service Learning Mini-Grant	Kansas Department of Health and Environment	Mary K. Jarvis Endowment	Mary K. Jarvis Endowment
Kansas Department of Health and Environment	Environment Clean Water Neighbor Grant	Jeffrey L. Bruce & Company LLC	K-State University Small Research Grant funds
Cistern and pump		The K-State Green Action Fund	
K-State Green Action Fund Grant		The Pollinator Partnership	
		The Garden Club of America	

Construction completed:

Seaton Hall Upper Green Roof	2009
Seaton Hall Lower Green Roof	2012
Cistern	2014
Memorial Stadium	2016
APDesign	2017

Green infrastructure components:

- Green roofs
- Native plants
- Cistern for rainwater capture

Environmental benefits:

- Captures and reuses storm water for use on site
- Provides habitat for pollinators
- Reduces surface-area temperature of the roof and inside the building; as a result, lowers air-conditioning bills and amount of energy used
- Reduces runoff by absorbing storm water

