

Stewardship for Sustainable Soils

The land will go on for much longer than I'll be here, and it's a much bigger story outside of myself, so I feel a responsibility to share that bigger story of what's happening with other people as a part of our stewardship.

Justin Knopf, Kansas Hard Red Winter Wheat Farmer

As a 5th generation farmer and father of three working alongside his own father and brother, Justin Knopf recognizes his responsibility as a steward of the land for the next generation both on and off the farm. On the 4,000 acre farm in central Kansas, the Knopf family grows hard red winter wheat, alfalfa, grain sorghum, soybeans and corn on the same land the family originally homesteaded in the 1860's. Justin is passionate about being involved in the industry and says outreach is an important part of agricultural sustainability. "What I do impacts consumers, so it's important to take time and energy to be transparent with them and share the bigger story of what's happening in our landscape," he says. "I've been given a gift to be able to work with the land and that comes with responsibility."



AGRONOMIC ADVANCES

Justin strives to maximize his production per unit of resources by utilizing the tools, research and continued education opportunities available to farmers.



ECONOMICS

The Knopf family practices making economically sustainable decisions for their farm. If a farmer goes broke, he says, then his efforts to be environmentally sustainable are not going to impact the environment long term.



THRIVING COMMUNITIES

There is also a human element to sustainability. Justin recognizes the value of family and community, and spends time focusing on the health and happiness of his young family, their small town and the neighbors that farm alongside them.



Superior Soils

Quality soils are crucial for crops to reach their full potential, but abuse can quickly lead to nutrient loss, erosion and reduced productivity. Farmers on the Plains witnessed the cost of over-plowing their soil in the Dust Bowl of the 1930s and since then have fought hard to protect their most precious resource. The Knopf family has invested in soil health through cover crops, no-till farming and crop rotations. The changes have not only improved the soil health, but also increased soil moisture, contributed to better crop fertility, helped reduce inputs like fertilizer and fuel and ultimately increased yields. But these changes didn't happen easily or overnight. Adding these new management practices required a financial investment, continued education and dedication from Justin and his family.

