



KERNZA DUAL USE CROP



Kernza Grain









Biomass for Animal Feed



Spring harvest



Fall harvest



- Save on fuel use and reduce pollution
- Reduce tillage-released carbon
- Deep roots fix carbon
- reduced soil and water erosion
- reduced soil nitrate leaching



We have 20 plus acres of farmland which grow winter oats. We have a pilot project of growing Kernza to test the climate and other factors with the support from SARE.





OUR FINDINGS SO FAR

- 1. Kernza has successfully grown in our local climate in Alpine CA as a perennial for 2 years.
- 2. The grains form despite mild winter and can germinate without problems the next year.
- 3. Animals love to eat the biomass. Critters create problems for the young plants.
- 4. This is the first report of growing Kernza in the most southern part of the country so far.
- 5. Further large field test with mechanically planted seeds is still needed.



LOCAL AND REGIONAL IMPLICATIONS

- There are 500 plus acres of farmland currently managed by students from Grossmont Union High School District to grow winter oats.
- Other East San Diego towns such as Campo has hundreds of acres idle farmland.
- Farmers in Imperial County grow thousands of acres of wheat and hay.
- Switching to perennial Kerza corps will potentially bring economic and environmental benefits to the farmers and reduce the overall carbon footprint of the regions.

THANK YOU

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