Sustainable Agriculture Research Education (S.A.R.E) Grant Initiative

Research evaluates different tropical cover crops and there ability to be terminated with a roller crimper to produce surface sheet mulch for improved weed suppression and soil moisture retention in the following vegetable crop rotation.

Control

Sunn Hemp

Multiple Use Crops:
Did you know that many cover crops can serve multiple functions at once? Here we can see bees foraging pollen and nectar from sunflowers planted as a cover crop.

Sunn Hemp provides protein to sheep.

Direct seeding using a “No-Till” Drill to plant Sunn Hemp into Hurricane Grass to improve pasture quality!

Biofuel Production in a Changing Climate

STX can serve as a model for climate change research. Here we see Guinea Grass evaluated as a potential biofuel.

Custom built Roller-Crimper and the termination of the Sunn Hemp cover crop resulting in a thick layer of surface sheet mulch.