

The regenerative agricultural project will follow these regenerative agricultural principal

- 1) living roots in the soil as much as possible
- 2) Know the context of your soil and your system
- 3) Least amount of chemicals and physical disturbance possible
- 4) Diversity of plants and animals
- 5) Keep soil covered
- 6) Animals integrated into the system

Guidelines

- Develop sustainable land management systems that decrease reliance on off-site inputs.
- Prioritize dual land use
- Using good land stewardship stack benefits for compounding results
- The regenerative agriculture project shall establish a project policy to replace each tree displaced with 2 of significant agricultural importance type.
- The regenerative project will give consideration of impacts to wildlife movement be modified as follows: When considering proposed discretionary development and fencing decision-makers shall minimize the development's potential project-specific and cumulative impacts on the movement of wildlife.
- The regenerative project will reduce reliance on fossil fuels the tenants shall promote the development and use of renewable energy resources like solar grazing using adaptive rotational grassing practices and written plans such as described in USDA NRCS publication 528.
- The Regenerative agricultural project shall address wetland habitat following NRCS management outlined in guides 644 and 659 for enhancement.
- Wetland creation can be used as NRCS guide 658 along with other commonly applied conservation measures.

- Should the project require stream crossing NRCS code 578 practices will be followed along with any commonly associated practices.
- Habitat available that can successfully support Ky native Fish species will be stocked according to KY department of fish and wildlife recommendations to add diversity to the space.
- The project will increase land access for beginning small-scale farmers The project shall support increasing land access for small-scale commercial farming on blocks from one to ten acres that avoid tillage by using minimally disruptive tools, such as a broad fork, no till, cover crops and maximize crop diversity and productivity.
- The project will facilitate Carbon farming in a regenerative agriculture framework adopting regenerative agriculture practices that sequester carbon and reduce pesticides and artificial nitrogen.
- The project will transition to an organic operating system with half of the space fully organic by the end of 10years.
- End use of registered chemical materials with signal words DANGER and WARNING during organic
- The project encourages the Connections to Local Products and strive to enhance access to locally grown products honey fruits and vegetables and grass-fed meats.
- Promote the demonstration and the training for socially disadvantaged farmers and ranchers to use organic and regenerative practices.
- The project will request and hire the services from area 4H and FFA chapters to provide landscaping and Maintenance at gates and entrance points to support area young leaders.
- NRCS conservation practice 325 High tunnel systems shall be considered to help in educational and meeting the regenerative job goals of doubling the # of jobs previously employed by the space.
- NRCS composting facility code 317 may be implemented for the project and the county if desires may grind charismas trees one day as needed and approved yard waste that meets sites organic guidelines may be received at the direction of the sites farm manager up to capacity of composting unit to be used on site production operations.

Typical results of the regenerative solar farm applications

1. Reduce chemical inputs to the space by 75 %
2. Prioritize dual land use
3. Reduce synthetic commercial inputs such as fertilizer and chemicals
4. Increase ground water quality
5. Stabilize soil and reduce run off after installation
6. Change part of the space to a pasture-based system
7. Increase pollinator habitat 10-fold
8. Increase jobs
9. Support local youth actives
10. Purchase from local business
11. Add beauty by naturalizing the landscape
12. Calm the landscape with reduced noise from mowing and larger machinery
13. Increase wildlife bird's bats and small mammals
14. Increases carbon sequestration for the space
15. Increase diversity of plants and biology
16. Increase energy production 1 to 5% with reflective ground cover plants and cooling effects of evapotranspiration