List of Farm-Based Solutions to Climate Change:

1. Eliminate use of chemical Nitrogen fertilizers on farm
2. Switch to No-Till or Low-Till cropping system
3. Adopt agro-forestry or Silvopasture land use practices
4. Install on-farm solar or wind generation
5. Use organic matter amendments like compost, mulch, or biochar
6. Adopt holistic grazing management for animal agriculture
7. Market directly to local consumers to reduce food transport distances
8. Plant a cover crop to give nutrients back to the soil over the winter
9. Reduce use of mechanized farm equipment like mowers, cultivators, tractors, etc.
10. Replace diesel use with plant-based biofuels
11. Practice intercropping and crop rotation to keep diverse crops in the field year-round
12. Plant perennial grains, herbs and shrubs
13. Plant hedgerows and riparian corridors to attract pollinators and reduce erosion
14. Restore degraded soils and land areas on the farm
15. Install energy-efficient or gravity-fed water pumping infrastructure
16. Dig root cellars for passive cooling storage areas