

336 – Soil Carbon Amendment Implementation Requirements

Producer:

Project or Contract:

Location:

County:

Farm Name:

Tract Number:



Practice Lifespan – 1 year

Practice Purpose(s): (check all that apply)

- ☐ Improve or maintain soil organic matter.
- ☐ Sequester carbon and enhance soil carbon (C) stocks
- ☐ Improve soil aggregate stability
- ☐ Improve habitat for soil organisms

Description of work:

Type of Soil Carbon Amendment to be used: _____

Source of Soil Carbon Amendment: _____

Material was produced in accordance with State guidelines (where applicable) Y/N: _____

Soil Health Field Assessment (or 216 Soil Testing) report for all fields utilizing this practice is attached Y/N: _____

NRCS Review Only

Designed By:

Date

Checked By:

Date

Approved By:

Date

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If biochar SCA, document source material used: _____ Pyrolysis temperature: _____ N/A
(Do not create biochar from crop residues that could otherwise be left on the field to provide soil protection and improve soil organism habitat.) Organic Carbon must be > 80%, and Lead (Pb) < 10ppm.

If biochar, show test results (and attach to plan):

Carbon: _____ Nitrogen: _____ Phosphorous: _____ Potassium: _____ pH: _____

If biochar, any fields which utilize a current Nutrient Management Plan must be applied at rates within the specifications of the NMP.

Planned application rate of SCA is determined to not be in excess of the NMP allowed rates for N and P. N/A

If compost SCA, approved analysis meets the following Y/N: Y N N/A
Maturity index rating of “mature” or “very mature”
Carbon to nitrogen ratio (C:N) between 15:1 and 30:1 at maturity
40-60% moisture (60-40% solids) at maturity

If compost SCA utilizing manure, any field where this practice is applied must have a current Nutrient Management Plan.
Planned application rate of SCA is determined to not be in excess of the NMP allowed rates for N and P.

If compost, show test results (and attach to plan); Lead (Pb) must be < 10 ppm.

Carbon: _____ Nitrogen: _____ Phosphorous: _____ Potassium: _____ pH: _____

Soluble Salts (electroconductivity): _____ Organic Matter: _____ Bulk Density: _____

Compost will not be applied if phosphorus risk assessments indicate a high or very high risk for phosphorus transport. Indicate fields where this applies. N/A

If Other type of SCA, Indicate type: _____ N/A
Amendment analysis or certification is attached. NB. Organic Carbon must be >10% and Lead (Pb) <10 ppm.

Any fields which utilize a current Nutrient Management Plan must be applied at rates within the specifications of the NMP.
Planned application rate of SCA is determined to not be in excess of the NMP allowed rates for N and P. N/A

Planned Soil Carbon Amendment Fields and Specifications

Field Number	Acres	Soil SMU (Primary)	Planned Crop	Amendment Type	Method of Application	Rate of Application	Timing of Application	Method of Incorporation (if applicable)

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Operation and Maintenance:

- Monitor fields in accordance with Land Grant University guidance and State law. A follow-up soil analysis should be taken at least a year after application to determine the effectiveness of the application.
- Inspect and evaluate after the first heavy precipitation event to assure that material is stable and not impacting non-target areas.
- Calibrate application equipment to ensure accurate distribution of material at planned rates.
- Evaluate the effectiveness of the amendment (application, amount of cover provided, durability, etc.) and adjust future management or type of compost to better meet the intended purpose(s).

Specific Additional Operation and Maintenance Requirements For Your Practice:

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A map(s) showing all fields planned for Soil Carbon Amendment is attached. The map shows:

The location of sensitive areas

Required setbacks,

Planned dates for implementation of SCA

A soil map(s) for all fields planned for Soil Carbon Amendment is attached, The map(s) and any attached soils data includes: soil type, slope and drainage class.

If you have questions about this planned **Soil Carbon Amendments** practice contact:

Name:		Tel:		Email:	
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