

STATEMENT OF WORK
Seasonal High Tunnel System for Crops (798)
North Carolina

The deliverables listed below apply to this individual practice. For other planned practice deliverables refer to those specific Statements of Work.

DESIGN

Deliverables:

1. Design documents that demonstrate criteria in NRCS practice standard have been met and are compatible with planned and applied practices.
 - a. Practice purpose(s) as identified in the conservation plan
 - b. List of required permits to be obtained by the client.
 - c. Impacts on adjacent properties and structures.
 - d. Compliance with NRCS national and state utility safety policy.
 - e. Practice standard criteria-related computations and analyses to develop plans and specifications including but not limited to:
 - i. Location
 - ii. Outlet considerations (e.g. Water Quality and Quantity, Surface Drainage, Erosion)
 - iii. Construction operations
 - iv. Vegetation
 - v. Environmental considerations
2. Written plans and specifications including manufacturers material lists, details, sketches, and drawings shall be provided to the client that adequately describes the requirements to install the practice and obtain necessary permits. Plans and specifications shall be developed in accordance with the requirements of conservation practice standard Seasonal High Tunnel System for Crops (Code 798).
3. Operation and Maintenance Plan.
4. Certification that the design meets practice standard criteria and complies with applicable laws and regulations.
5. Design modifications during installation as required.
6. List of conservation resource concerns to be addressed with the seasonal high tunnel system.
7. Written documentation of sheet and rill erosion at the site of the seasonal high tunnel system, before installation of the structure, using RUSLE2.

INSTALLATION

Deliverables

1. Pre Installation conference with client and contractor.
2. Verification that client has obtained required permits.
3. Staking and layout according to plans and specifications including applicable layout notes.
4. Installation inspection (according to inspection plan as appropriate).
 - a. Actual materials used.
 - b. Inspection records
5. Facilitate and implement required design modifications with client and original designer.
6. Advise client on compliance issues with all federal, state, tribal, and local laws, regulations and NRCS policies during installation.
7. Certification that the installation process and materials meets design and permit requirements.

CHECK OUT

Deliverables

1. As-Built documentation.
 - a. Extent of practice units applied
 - b. Drawings
 - c. Final quantities
2. Certification that the installation meets NRCS standards and specifications.
3. Progress reporting.

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REPORTING FOR INTERIM PRACTICE EVALUATION

Deliverables

1. Producer Report to NRCS – first year.
 - a. Cost of the seasonal high tunnel system, including copies of all bills
 - b. First year maintenance requirements and associated costs
 - c. Two years of cropping history before installation of seasonal high tunnel system, for the same crops to be grown in the seasonal high tunnel:
 - i. Crop type
 - ii. Yield
 - iii. Nutrient application rates (nitrogen, phosphorus, and potash)
 - iv. Pesticide application rates (product and rate)
 - d. First year's crop data:
 - i. Crop type
 - ii. Yield
 - iii. Nutrient application rates (nitrogen, phosphorus, and potash)
 - iv. Pesticide application rates (product and rate)
 - e. Growing season data for 2 years of cropping history before installation of seasonal high tunnel system, plus the first year of crop grown within the seasonal high tunnel (dates and length of growing season)
 - f. Observed benefits for plant quality, soil quality, and water quality
 - g. Additional observations and recommendations.
2. Producer Reports – years 2 and 3.
 - a. Annual maintenance requirements and associated costs
 - b. Annual crop data:
 - i. Crop type
 - ii. Yield
 - iii. Nutrient application rates (nitrogen, phosphorus, and potash)
 - iv. Pesticide application rates (product and rate)
 - c. Growing season dates and length
 - d. Observed benefits for plant quality, soil quality, and water quality
 - e. Additional observations and recommendations
3. NRCS-NC Report to National Headquarters – annual and final.
 - a. Summarized data from all producer reports
 - b. Summarized data from evaluations of sheet and rill erosion at each site, prior to installation of the high tunnel structures,
 - c. Summarized list of conservation resource concerns being addressed with the interim seasonal high tunnel systems installed, organized according to magnitude of positive practice effect
 - d. Summarized list of additional drainage or erosion features installed as supporting practices, along with an evaluation of the effectiveness of each supporting practice
 - e. Additional observations and recommendations.

REFERENCES

- North Carolina NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard – Seasonal High Tunnel System for Crops, 798
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook