

**FY 2011 Seasonal High Tunnel System for Crops – State Summary**  
**Interim Conservation Practice Standard Code 798**

Date:

The State summary data is to be completed by NRCS for the Interim Conservation Practice Standard (CPS) Code 798, Seasonal High Tunnel Systems for Crops for tunnel systems, for FY11, for systems that have been in operation for at least one production season.

Avg. Square Feet of Seasonal High Tunnel:

Range in Square Feet of Seasonal High Tunnel:

Avg. Cost of High Tunnel:

Range in Cost of High Tunnel:

**List up to five most common associated support practices that were needed to fully implement the Interim CPS Code 798, Seasonal High Tunnel Systems for Crops, in your State (e.g., Diversion, Underground Outlet, Irrigation, etc.):**

- Associated Support Practice (1):
- Avg. Cost of Associated Practice (1):
  
- Associated Support Practice (2): :
- Avg. Cost of Associated Practice (2):
  
- Associated Support Practice (3):
- Avg. Cost of Associated Practice (3): :
  
- Associated Support Practice (4):
- Avg. Cost of Associated Practice (4): :
  
- Associated Support Practice (5): :
- Avg. Cost of Associated Practice (5):

1. What purpose(s) and for which conservation resource concern(s) was Interim CPS Code 798 planned to address (enter the summary results from the evaluated sites):

The Number for: Improve Plant Quality

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The Number for: Improve Soil Quality

The Number for: Reduce Nutrient and Pesticide Transport

The Number for: Improve Air Quality Through Reduced Transport Inputs

The Number for: Reduce Energy Use Through Local Consumption

Other - enter from those evaluated:

**2 A.** Before implementing the Seasonal High Tunnel - if Plant Quality was the purpose check the appropriate **benchmark** Plant quality condition (enter the summary results from the evaluated sites):

The Number for: Plants not adapted to the site to meet the client's objective.

The Number for: Plants do not produce the yields, quality, or soil cover to meet client objectives.

Other - enter from those evaluated:

**2 B.** After implementing the Seasonal High Tunnel - if Plant Quality was the purpose check the appropriate **achieved** Plant quality condition (enter the summary results from the evaluated sites):

The Number for: The site was adapted to produce the desired crops to meet the client's objective.

The Number for: The quality of the crops produced was improved to meet the client's objective.

Other – enter from those evaluated:

**3 A.** Before implementing the Seasonal High Tunnel - if Soil Quality was the purpose check the appropriate **benchmark** soil quality condition (enter the summary results from the evaluated sites):

The Number for: Soil organic matter has been lowered or is diminished to a level that degrades soil quality.

The Number for: Compressed soil particles and aggregates caused by mechanical compaction adversely affect plant-soil-moisture relationships.

Other - enter from those evaluated:

**3 B.** After implementing the Seasonal High Tunnel - if Soil Quality was the purpose check the appropriate **achieved** soil quality condition (enter the summary results from the evaluated sites):

The Number for: Increased the SCI within the High Tunnel from a Negative to a Positive value.

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The Number for: Increased the positive SCI to a higher positive SCI value.

The Number for: Reduced mechanical compactions and created a desirable plant-soil-moisture relationship.

Other - enter from those evaluated:

**4 A.** Before implementing the Seasonal High Tunnel - if Nutrient and/or Pesticide Transport was the purpose check the appropriate **benchmark** Nutrient and Pesticide Transport condition (enter the summary results from the evaluated sites):

The Number for: Nutrients are identified as a resource concern in the ground water.

The Number for: Nutrients are identified as a resource concern in the surface water.

The Number for: Pesticides are identified as a resource concern in the ground water.

The Number for: Pesticides are identified as a resource concern in the surface water.

The Number for: Nutrients and Pesticides are identified as a resource concern in the ground water.

The Number for: Nutrients and Pesticides are identified as a resource concern in the surface water.

Other - enter from those evaluated:

**4 B.** After implementing the Seasonal High Tunnel - if Nutrient and/or Pesticide Transport was the purpose check the appropriate **achieved** Nutrient and Pesticide Transport condition (enter the summary results from the evaluated sites):

The Number for: Nutrients were adequately mitigated as an identified concern in the ground water by applying 798, and/or 590 Nutrient Management, and/or 449 Irrigation Water Management.

The Number for: Nutrients were adequately mitigated as an identified concern in the surface water by applying 798, and/or 590 Nutrient Management, and/or 449 Irrigation Water Management.

The Number for: Pesticides were adequately mitigated as an identified concern in the ground water by applying 798, and/or 595 Integrated Pest Management, and/or 449 Irrigation Water Management.

The Number for: Pesticides were adequately mitigated as an identified concern in the surface water by applying 798, and/or 595 Integrated Pest Management, and/or 449 Irrigation Water Management.

The Number for: Nutrients and Pesticides were adequately mitigated as an identified concern in the ground water by applying 798, and/or 595 Integrated Pest Management, and/or 449 Irrigation Water Management.

The Number for: Nutrients and Pesticides were adequately mitigated as an identified concern in the surface water by applying 798, and/or 595 Integrated Pest Management, and/or 449 Irrigation Water Management

The Number for: The practice did not meet the client objectives.

Other - enter from those evaluated:

**5 A.** Before implementing the Seasonal High Tunnel - if Improving Air Quality Through Reduced Transportation Inputs was the purpose check the **benchmark** Air Quality condition (enter the summary results from the evaluated sites):

The Number for: Vehicles used to transport inputs and harvested crops contributed to the reduction of an identified air quality (e.g., greenhouse gas) concern.

Other - enter from those evaluated:

**5 B.** After implementing the Seasonal High Tunnel - if Improving Air Quality Through Reduced Transportation Inputs was the purpose check the **achieved** Air Quality condition (enter the summary results from the evaluated sites):

The Number for: The High Tunnel installation and operation reduces the transportation miles of inputs into the production of crops and the reduced transportation miles of the harvested crops.

Other - enter from those evaluated:

**6 A.** Before implementing the Seasonal High Tunnel - if Reducing Energy Use was the purpose check the **benchmark** Energy condition (enter the summary results from the evaluated sites):

The Number for: The crops produced prior to the installation and operations of the 798 “High Tunnel” were transported out of the local area (nearest town).

Other - enter from those evaluated:

**6 B.** After implementing the Seasonal High Tunnel - if Reducing Energy Use was the purpose check the **achieved** Energy condition (enter the summary results from the evaluated sites):

The Number for: The crops produced after the installation and operations of the 798 “High Tunnel” were transported within the local area (nearest town).

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Other - enter from those evaluated:

7. When completing the CPA 52, did the installation or operation of the 798 Season High Tunnel System for Crops affect any Threatened or Endangered Species (enter the summary results from the evaluated sites):

Yes            No

If yes, summarize the descriptions of the species and conditions:

8. Issues/Concerns/Observations about the 798 Season High Tunnel System for Crops Interim Standard:

Positive Experiences:

Negative Experiences:

9. (Optional) Client comments:

Positive Experiences:

Negative Experiences:

10. Client's future plans for using Seasonal High Tunnel System for Crops (enter the summary results from the evaluated sites):

The Number for: Plans to continue to use the Seasonal High Tunnel System for Crops for the lifespan of the structure.

The Number for: Plans to add additional Seasonal High Tunnels to the farming operation.

Other - enter from those evaluated:

11. The number of Seasonal High Tunnel systems that were installed:

Number of systems on existing cropland and will stay in the same location each year.

Number of systems on existing cropland but will move to a new location each year.

Number of systems on land converted to cropland and will stay in the same location each year.

Number of systems on land converted to cropland but will move to a new location each year.

- 12.** The number of Seasonal High Tunnels that had (check all that apply):
- Number of systems with automated ventilation systems installed.
  - Number of systems with manual ventilation systems installed.
  - Number of systems using electric portable fans.
  - Number of systems with electric fans installed (fixed).
  - Number of systems with drip irrigation installed.
  - Number of systems with overhead sprinkler irrigation installed.
  - Number of systems with a portable sprinkler irrigation system.
- 13.** Number of systems not meeting client objectives: Summary of comments for not meeting client objectives:
- 14.** Other Comments/Observations on the use and effect of 798 Seasonal High Tunnels:
- 15.** Please send the respective digital photos of the Seasonal High Tunnels.