

Membership Form

Upper Suwanee Conservation Tillage Alliance

Name: _____

County of Residence: _____

Mailing Address: _____

City: _____

State: _____ Zip: _____

Home Phone: _____

Mobile Phone: _____

Fax: _____

Email: _____

Annual Membership Fee is \$25.00 and includes membership in Georgia Conservation Tillage Alliance (GCTA), and is renewable December 31st of each year.

Mail this form and a check payable to USCTA to:

USCTA

Sheila Hobbs
USCTA Executive Secretary
P.O. Box 2564
Ashburn, GA 31714

Brochure by

Sheila Hobbs

Indigo Custom Services, Ashburn, GA

229-567-9403



Crop residues provide shelter and food for wildlife, such as game birds and small animals.



Conservation tillage is environmentally friendly and extremely beneficial to wildlife.



USCTA

Upper Suwanee

Conservation Tillage Alliance

A Core 4 Conservation Alliance



The Upper Suwanee Conservation Tillage Alliance (USCTA) is a farmer group organized in Turner, Tift, Irwin and Ben Hill Counties. Its purpose is to promote and provide assistance to farmers in their efforts toward conservation tillage. Conservation tillage is environmentally friendly in that it results in less soil erosion, less fertilizer and pesticide runoff, and lower water requirements.

The USCTA provides educational programs, and assistance for farmers working to improve their efforts toward reducing tillage.



TOP 10 BENEFITS OF CONSERVATION TILLAGE

Conservation tillage systems offer numerous benefits that intensive or conventional tillage simply can't match:

1 Reduces labor, saves time

As little as one trip for planting compared to two or more tillage operations means fewer hours on a tractor and fewer labor hours to pay ... or more acres to farm. For instance, on 500 acres the time savings can be as much as 225 hours per year. That's almost four 60-hour weeks.

2 Saves fuel

Save an average 3.5 gallons an acre or 1,750 gallons on a 500-acre farm.

3 Reduces machinery wear

Fewer trips save an estimated \$5 per acre on machinery wear and maintenance costs—a \$2,500 savings on a 500-acre farm.

4 Improves soil tilth

A continuous no-till system increases soil particle aggregation (small soil clumps) making it easier for plants to establish roots. Improved soil tilth also can minimize compaction. Of course, compaction is also reduced by reducing trips across the field.

5 Increases organic matter

The latest research shows the more soil is tilled, the more carbon is released to the air and the less carbon is available to build organic matter for future crops. In fact, carbon accounts for about half of organic matter.

6 Traps soil moisture to improve water availability

Keeping crop residue on the surface traps water in the soil by providing shade. The shade reduces water evaporation. In addition, residue acts as tiny dams slowing runoff and increasing the opportunity for water to soak into the soil. Another way infiltration increases is by the channels (macropores) created by earthworms and old plant roots. In fact, continuous no-till can result in as much as two additional inches of water available to plants in late summer.

7 Reduces soil erosion

Crop residues on the soil surface reduce erosion by water and wind. Depending on the amount of residues present, soil erosion can be reduced by up to 90% compared to an unprotected, intensively tilled field.



8 Improves water quality

Crop residue helps hold soil along with associated nutrients (particularly phosphorous) and pesticides on the field to reduce runoff into surface water. In fact, residue can cut herbicide runoff rates in half. Additionally, microbes that live in carbon-rich soils quickly degrade pesticides and utilize nutrients to protect groundwater quality.

9 Increases wildlife

Crop residues provide shelter and food for wildlife, such as game birds and small animals.

10 Improves air quality

Crop residue left on the surface improves air quality because it: Reduces wind erosion, thus it reduces the amount of dust in the air; Reduces fossil fuel emissions from tractors by making fewer trips across the field; and Reduces the release of carbon dioxide into the atmosphere by tying up more carbon in organic matter.



NO-TILL DRILL

available for rent

(\$6.00/acre—\$100 minimum)

by USCTA members

For More Information, Contact

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Chula, GA 31733

229-388-3772—mobile

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