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<http://energytools.sc.egov.usda.gov/>



The Natural Resources Conservation Service (NRCS) has developed four energy tools designed to increase energy awareness in agriculture and to help farmers and ranchers identify where they can reduce their energy costs. The results generated by these tools are estimates based on NRCS models and are illustrative of the magnitude of savings. Please contact your local NRCS office for additional assistance.

### Spotlights



#### Energy Estimator: Animal Housing

The Energy Estimator for Animal Housing tool is designed to enable you to estimate potential energy savings associated with swine, poultry or dairy cows housing operations on your farm or ranch. This tool evaluates major energy costs in lighting, ventilation and heating costs for swine and poultry. It evaluates major energy costs with lighting air circulation, milk cooling, water heating and milk harvesting costs for typical dairy. This tool does not provide site specific recommendations.



#### Energy Estimator: Nitrogen

The Energy Estimator for Nitrogen tool enables you to calculate the potential cost-savings related to nitrogen use on your farm or ranch. NRCS agronomists developed this model to integrate general technical information on nitrogen use with farm-specific information on fertilizer types, costs, timing, and placement. This tool does not provide field-specific recommendations.



#### Energy Estimator: Tillage

The Energy Estimator for Tillage tool estimates diesel fuel use and costs in the production of key crops in your area and compares potential energy savings between conventional tillage and alternative tillage systems. The crops covered are limited to the most predominant crops in 74 Crop Management Zones (CMZ's). NRCS agronomists have identified these crops and estimated the fuel use associated with common tillage systems. The Energy Estimator gives you an idea of the magnitude of diesel fuel savings under different levels of tillage.

### Energy Tools

#### All NRCS Energy Tools

#### Energy Estimators

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