



USDA NATURAL RESOURCES CONSERVATION SERVICE
CONSERVATION PRACTICE SPECIFICATION
ARIZONA

RESIDUE MANAGEMENT--SEASONAL

(Acres)
CODE 344
LIFESPAN: 1 Year

Cooperator	Design Date
Conservation District	Field Office
Land Unit(s)	Program
Practice Amount	County
Land Ownership	

Purpose: (Check those that apply or delete those that do not apply)

- Reduce sheet and rill erosion
- Reduce wind erosion and associated airborne particulate matter
- Manage snow to increase plant available moisture
- Harvest and utilize renewable bioenergy feedstocks
- Provide food and escape cover for wildlife

Required Criteria

- Period of residue protection between crops must be at least 30 days
- High-residue crops such as small grains, corn, sorghum, etc. are eligible if the residue:
 - Is left un-disturbed for the required period of residue protection, **or**
 - At least 30% residue cover remains on the field after any tillage operation during the period of residue protection (this is the definition of conservation tillage), **or**
 - The remaining surface residue has a Flat Small Grain Equivalent (SGe) of at least 800 lbs/acre. The WEPS Detail summary may be used to estimate both standing mass and flat mass of residue after harvest and any tillage; to equate these numbers to SGe, see National Agronomy Manual, Part 502, Subpart G, Exhibits, Figures a1 through d8.
- Low-medium residue crops such as cotton are also eligible if the above criteria are met.
 - The required cotton plow-down must be considered – if planting of the next crop is not more than 60 days after actual cotton plow-down of a field, and the previous cotton residue was maintained, to the extent allowed by law, this will be considered eligible.
- Low-residue crops such as vegetables and dry beans, especially those with significant soil surface disturbance during harvest, are not considered suitable for documentation of this practice, **unless:**
 - At least 30% residue cover remains on the field after harvest and any tillage operations, **and**
 - The remaining surface residue has a Flat Small Grain Equivalent (SGe) of at least 800 lbs/acre.

Planned Crop Residue Management Period

Year 1

Crop	Harvest Date	Plant Date (seedbed prep)	Residue Mgmt Period between Crops (in days or months)
Crop 1			
Crop 2			
etc			

Year 2

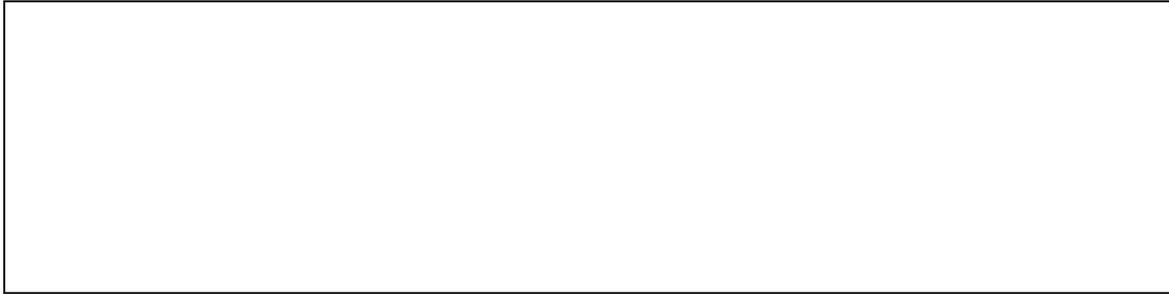
Crop	Harvest Date	Plant Date (seedbed prep)	Residue Mgmt Period between Crops (in days or months)
Crop 1			
Crop 2			
etc			

Year 3

Crop	Harvest Date	Plant Date (seedbed prep)	Residue Mgmt Period between Crops (in days or months)
Crop 1			
Crop 2			
etc			

Residue Treatment Requirements

- a) Residue shall not be burned
- b) Residues are uniformly distributed over entire field
- c) Tillage operations, during residue management period shall be limited to implements that minimize residue flattening or burial
- d) List other requirements, in text box below, based on the selected purpose for this practice.



General Specifications

If NRCS financial assistance is provided, you must comply with the planned residue management period (+/- 2 weeks) for the planned crop. NRCS will meet with you at least annually to determine if any adjustments are needed in the planned crops or residue management periods. Contact NRCS if additional adjustments are needed due to unusual circumstances (economics, water problems, diseases or pest outbreaks, etc.) to make changes to these specifications.

Notes: The RUSLE2 erosion prediction program will be used to determine the Soil Condition Index (SCI) and the Predicted Soil Loss value from precipitation events. To meet Arizona Quality Criteria the SCI index score must be positive and predicted soil loss cannot exceed T for the planned soil. **Attach the appropriate RUSLE2 profile to this specification.**

The WEPS program will be used to predict soil loss from wind erosion. To meet Arizona Quality Criteria the predicted soil loss cannot exceed T for the planned soil. **Attach the appropriate WEPS Run and Management Summaries to this specification.**

Operation and Maintenance

No operation and maintenance requirements, national in scope, have been identified for this practice.

Required Producer Records

Crops grown, planting & harvest dates, yields, and tillage/planting operations conducted. If there are changes from the planned Crop or Residue Management Period in the above table then the Producer shall provide actual crop planted and reason(s) for the change.

Cooperator Acknowledgement

I acknowledge that:

1. I have received a copy of these specifications, including any attachments, and that I understand the contents, and the requirements for installation of this practice.
2. Maintenance of the installed work is necessary for proper performance for the life of the practice. For federally funded practices, this practice must be maintained for the expected life of the practice.

Accepted by _____

Date _____

NRCS Planner/Certification

Designed by: _____ Approval Authority: _____ Date _____

I certify that this conservation practice was applied according to NRCS standards and this specification.

Certified by: _____ Approval Authority: _____ Date _____