

**Can you afford unnecessary tillage?**

PO Box 37  
Ephrata WA 98823

 WASHINGTON STATE UNIVERSITY  
GRANT/ADAMS COUNTY EXTENSION

# High Residue Farming Under Irrigation

**Wednesday, December 6th, 2006**  
**Moses Lake, Washington**  
**Room 1870, ATEC Building**  
**Big Bend Community College**

***Do you want to  
Reduce irrigation costs?  
Cut labor costs?  
Improve soils?  
Come find out how...***

## **Workshop topics:**

- **System management**
- **Soil Organic Matter**
- **Local experience**
- **Midwest experience**
- **How to start**

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## **Workshop Program**

- 8:30 am** *Registration*
- 9:00** *Why consider high residue farming in the Columbia Basin?*  
Andy McGuire, WSU Extension
- 9:30** *Who is this Beck guy, and why should I listen to him?*  
Dwayne Beck, South Dakota State University, Dakota Lakes Research Farm
- 10:30** *Break*
- 10:50** *How does this work on the farm?*  
Mark Watson, Alliance, Nebraska
- 11:50** *Lunch*
- 1:00** *Do you C what I C?*  
Dwayne Beck
- 2:00** *How much water will high residue farming save under irrigation?*  
Andy McGuire
- 2:30** *Break*
- 2:50** *What is the PNDSA and what can it do for you?*  
Russ Evans, Executive director, Pacific Northwest Direct Seed Association
- 3:10** *Challenges and opportunities in high residue farming*  
Panel discussion: Dwayne Beck, Will Reed, Mark Watson, Alan Williamson
- 4:00** *How do I get started?*  
Dwayne Beck
- 4:30** *Workshop ends*

## Benefits of High Residue Farming

### Improves water availability

Crop residues shade the soil reducing water evaporation. In addition, residue slows runoff and increases the opportunity for water to soak into the soil.

### 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.

### Saves fuel

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

### Reduces machinery wear

Fewer trips save an estimated \$5 per acre or more on machinery wear and maintenance costs.

### Increases organic matter

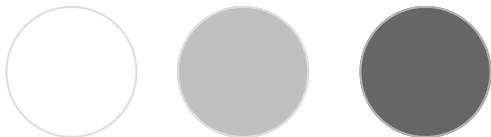
The latest research shows the more soil is tilled, the more carbon is released to the air and the less carbon is available to build organic matter for future crops.

### Reduces soil erosion

Crop residues on the soil surface reduce erosion by water and wind.

### Improves air quality

Crop residue left on the surface 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.



## Registration information

Registration is available on a first-come/first-served basis. **The first 30 people registered will receive a DVD of last year's workshop.** Refunds cannot be given after Nov. 28th. Receipts will be available the day of the workshop.

**Please register as early as possible.**

*Send registration form and check to:*

WSU Extension

High Residue Farming Under Irrigation  
PO Box 37

Ephrata, WA 98823

## Directions:

From South: take Hwy 17 through Moses Lake. On North side of town, take a right on Patton Blvd. Follow Patton towards Grant Co. Airport. Turn left on Bolling St. and continue to parking at ATEC

From East and West: Take exit 179 off of I-90 and turn North on Hwy 17. Follow directions above for travelers approaching from the South.

## Workshop sponsors:

WSU Extension, Grant-Adams Area

WSU Columbia Plateau Wind Erosion/Air Quality Project

WSU Center for Sustaining Ag and Natural Resources

## Contact

Andy McGuire, amcguire@wsu.edu,

509-754-2011 ext. 413

WSU Extension programs and employment are available to all without discrimination. Evidence of discrimination may be reported through your local Extension office.

## Registration Form

### High Residue Farming under Irrigation

**Fee before Nov. 29: \$25 per person**  
**Nov. 29 and after: \$35 per person**  
**includes lunch and refreshments**

**Make checks payable to**  
**Washington State University**

**We cannot accept credit card payments.**

**On-site registration starts at 8:30 am.**

*Please Type or Print*

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Name(s)

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Business/Organization

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Mailing Address

---

City

State

---

ZIP

Phone

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Email

Check here if you want to be added to our high residue farming mailing list.

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