

**Budget Justification for the 2017 USDA SARE Graduate Student  
Competitive Grant**

**Project Title: Establishment and maintenance of disease-suppressive soils with  
green manures in the Pacific Northwest**

**Travel:**

**Year 1:**

Trips to grower fields to collect samples in Washington and Oregon:

- Car fuel: 80 gallons of fuel @ ~ \$4/gallon: \$320
- Per diem: ~ \$17 for lunch x 4 collecting trips: \$68

**Year 2:**

Trips to field days, conferences and grower fields to collect samples in Washington, Oregon, and Idaho

- Car fuel: 120 gallons of fuel @ ~ \$4/gallon: \$480
- Per diem: ~ \$17 for lunch x 4 collecting trips: \$68

**Materials & Supplies:**

**Year 1:**

- Greenhouse space, pots and media:  
\$100/month x 4 months: \$ 400 + \$300 for pots and media: \$700
- Petri-plates, media, and consumables: \$720

**Year 2:**

- PCR reagents and consumables: \$800
- DNA sequencing: estimated 200 samples @ \$3/sample: \$600

**Publication costs:**

**Year 2:**

- *Plant Disease* and or *Phytopathology* manuscripts: 2 @  
\$300/manuscript: \$600
- Extension Bulletin: \$100

**Conferences and Workshops:**

- Conference registration: ~ \$300 for APS, others conferences are free for presenters.
- Hotel room for APS: ~ \$ 70/night x 2 nights: \$140

**Indirect costs:**

**Year 1:**

- 30% overhead: \$542.40

**Year 2:**

- 30% overhead: \$926.40

**Grand Total:**

- \$6,364