**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