

Budget Justification

2015 SARE Graduate Student Competitive Grant

Project Title: Identification of peony diseases in the Pacific Northwest and Alaska

Hourly Labor

Year 1: Temporary employee for 100 hours @ \$15/hour to help with isolating from samples, maintaining and archiving isolates, preparation of growth media, and maintaining plant material = \$1,500

Fringe Benefits

Year 1: 10% of \$1,500 for temporary employee salary as required by Washington State University = \$150

Materials and Supplies

Year 1: \$500 for petri plates; \$300 for growth media; \$1,500 for PCR supplies/reagents; \$500 for DNA sequencing (100 samples @ \$5 per); \$100 misc. lab supplies = \$2,900

Year 2: \$100 for misc. supplies for conducting workshop = \$100

Travel (domestic)

Year 1: 5 day-trips to local growers in OR and WA within driving distance to collect samples @ 0.575/mile for 400 miles (\$1,150), \$15 lunch per diem (\$75); misc funds for local travel to acquire supplies or visit unanticipated farms (\$200); travel to Alaska during summer for 10 days (9 nights) for two people (graduate student and advisor) to collect samples from peony growers @ \$292 per diem (\$5,256), round trip airfare @ \$700 each (\$1400), car rental (\$1,400); 40 gallons fuel @ \$4/gallon (\$160); airport parking (\$150) = \$9,791

Year 2: Travel to Alaska for two people for 4 nights during winter to conduct disease identification workshop @ \$192 per diem each (\$1,536), round trip airfare @ 700 each (\$1,400), car rental (\$350), 10 gallons fuel @ \$4/gallon (\$40), airport parking (\$75); travel for graduate student to American Phytopathological Society Pacific Division meeting to present abstract and poster (location TBD) estimated cost of round trip airfare (est. @ \$500), conference registration (\$290), 4 night hotel stay @ \$159/night (\$636); per diem @ 60/day (\$240) = \$5,067

Publication costs

Year 2: 1 extension bulletin (\$100); first reports (\$600) and journal article (\$300) = \$1,000

All other direct costs

Year 1: \$400 for maintaining plant material at the PREC to conduct pathogenicity trials; \$500 for overnight FedEx shipping to receive samples from growers of diseased foliage = \$900

Year 2: \$1000 for rental for space to conduct workshop in Alaska; \$300 for printing of material for workshop = \$1,300

Indirect costs

Year 1: 10% overhead = \$1,524.10

Year 2: 10% overhead = \$746.70

Grand total = \$24,978.80