Sclerotinia Initiative Funded Projects – 2017

1. Characterizing pathogenicity effectors of *Sclerotinia sclerotiorum* preferentially expressed under acidic conditions and during plant infection

   Weidon Chen
   USDA-ARS, Pullman, WA
   $56,240

2. Screening for resistance sources to *Sclerotinia* white mold in recently acquired germplasm of cool season grain legumes

   Weidon Chen
   USDA-ARS, Pullman, WA
   $49,575

3. Characterizing resistance and pathogenicity genes associated with infection of *B. napus* by *S. sclerotiorum*

   Luis del Rio
   North Dakota State University, Fargo, ND
   $58,411

4. Improving resistance to *Sclerotinia sclerotiorum* in spring canola

   Luis del Rio
   North Dakota State University, Fargo, ND
   $39,879

5. Fine mapping of loci for resistance to *Sclerotinia* stem rot in Glycine latifolia

   Les Domier
   USDA-ARS, Pullman, WA
   $69,336

6. Using genomic selection to optimize prediction of *Sclerotinia* and agronomic phenotypes for more efficient breeding

   Brent S. Hulke
   USDA-ARS, Fargo, ND
   $128,319

7. Developing environmental friendly fungicides for managing white mold

   Shin-Yi Marzano
   South Dakota State University, Brookings, SD
   $42,616

8. White mold resistance-QTL: identification, interactions, and fine mapping in common bean

   Phil McClean
   North Dakota State University, Fargo, ND
   $48,008

   Phillip N. Miklas
   USDA-ARS, Prosser, WA
   $55,000

   James Myers
   Oregon State University, Corvallis, OR
   $46,279

9. QTL mapping of *Sclerotinia* basal stalk rot resistance derived from sunflower wild species

   Lili Qi
   USDA-ARS, Fargo, ND
   $111,206

10. Improved white mold resistance in dry and snap beans through multi-site screening and pathogen characterization throughout major production areas

    James R. Steadman
    University of Nebraska, Lincoln, NE
    $71,916

11. Identification of *Sclerotinia sclerotiorum* virulence determinants relevant to infection of multiple host plants by association mapping

    William R. Underwood
    USDA-ARS, Fargo, ND
    $52,340

12. Improving stalk rot phenotyping by evaluation of environment, pathogen, and host factors for S. sclerotiorum infection in sunflower disease nurseries

    William R. Underwood
    USDA-ARS, Fargo, ND
    $9,864

13. Enhancing soybean for resistance to *Sclerotinia* stem rot

    Dechun Wang
    Michigan State University, East Lansing, MI
    $52,008