Sclerotinia Initiative Funded Projects – 2016

1. Expression Profiling of the Pea-*Sclerotinia sclerotiorum* Interaction for Genomics Assisted Breeding

   Martin Chilvers
   Michigan State University, East Lansing, MI
   $38,762

2. Characterizing Resistance and Pathogenicity Genes Associated with Infection of *B. napus* by *S. sclerotiorum*

   Luis del Rio
   North Dakota State University, Fargo, ND
   $78,680

3. Improving Resistance to *Sclerotinia sclerotiorum* in Spring Canola

   Luis del Rio
   North Dakota State University, Fargo, ND
   $57,505

4. Using Genomic Selection to Optimize Prediction of Sclerotinia and Agronomic Phenotypes for more Efficient Breeding

   Brent S. Hulke
   USDA-ARS, Fargo, ND
   $116,500

5. Transferring Sclerotinia Resistance Genes from Wild *Helianthus* Species into Cultivated Sunflower

   Chao-Chien Jan
   USDA-ARS, Fargo, ND
   $100,858

6. White Mold Resistance-QTL: Identification, Interactions, and Fine Mapping in Common Bean

   James Kelly
   Michigan State University, East Lansing, MI
   $17,476

   Phil McClean
   North Dakota State University, Fargo, ND
   $48,261

   Phillip N. Miklas
   USDA-ARS, Prosser, WA
   $59,254

   James Myers
   Oregon State University, Corvallis, OR
   $42,352

7. Identification of major genes-QTL for Sclerotinia resistance in cultivated sunflower and wild Helianthus

   Lili Qi
   USDA-ARS, Fargo, ND
   $100,937

8. Enhancing basal resistance to *Sclerotinia sclerotiorum* in Brassica

   Jeffrey Rollins
   University of Florida, Gainesville, FL
   $69,496

9. 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
   $51,377

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

    William R. Underwood
    USDA-ARS, Fargo, ND
    $56,972

11. Enhancing Soybean for Resistance to Sclerotinia Stem Rot

    Dechun Wang
    Michigan State University, East Lansing, MI
    $45,268

12. Improved Head Rot Resistance Screening in Sunflowers and Impacts and implications of Sclerotinia infection timing in dry bean, soybean, and sunflower

    Michael J. Wunsch
    North Dakota State University, Carrington, ND
    $52,689