

Please sign the ballot so that I know that I have received a valid ballot. _____

_____ I will be at the Hershey Meeting

_____ I do not plan to attend the Meeting

SHAP RESEARCH COMMITTEE - First Ballot - January 4, 2018

Total Requested = \$257,101 4 Continuing Projects = \$55,491 15 New Projects = \$201,610

- _____ 1. G.Krawczyk - Utilization of insecticide treated nets as an alternative method to monitor and manage BMSB
\$23,167 (New – Year 1 of 2)
- _____ 2. H. Peterson/G. Krawczyk - Utilizing the Samurai Wasp as a potential control tool against BMSB
\$6,777 (New – Year 1 of 2)
- _____ 3. J.R Schupp - Strategic management of Golden Delicious and Gala apple crop load
\$10,161 (Continuing – Year 2 of 2)
- _____ 4. J.R Schupp - Development of a high density, highly mechanized, pedestrian peach system
\$10,148 (New – Year 1 of 7)
- _____ 5. K. Peter - Investigating the role of viruses in rapid apple decline
\$23,558 (New – 1 Year)
- _____ 6. K. Peter - Continuing the quest for fire blight management alternatives: Optimizing native bacterial antagonists and plant immune stimulation
\$15,824 (New – 1 Year)
- _____ 7. K. Peter - Assessment of resistance to pre- and postharvest site-specific fungicides in populations of *Colletotrichum fioriniae* (Bitter rot fungus) in Pennsylvania orchards
\$11,894 (New – 1 Year)
- _____ 8. R. Crassweller - Apple rootstock and cultivar evaluations 2018
\$22,285 (Continuing – Year 3 of 5)
- _____ 9. R.Crassweller - Third generation apple systems trials 2018
\$9,000 (New – Year 1 of 4)
- _____ 10. R.Crassweller - Effects of maintenance of training systems to a hedgerow 2018
\$13,753 (New – Year 1 of 4)
- _____ 11. R. Crassweller/ J. Sommer - Buy-and-fly orchard management using unmanned aircraft (UA) 2018
\$14,400 (Continuing – Year 2 of 3)
- _____ 12. K. Hockett - Understanding why biocontrol fails to protect against fire blight in the Eastern US
\$16,562 (New – 1 Year)
- _____ 13. L. He - A sensor-based irrigation test system for apple orchards
\$14,024 (New – 1 of 2) – Total of \$28,048

- _____14. D. Choi - Evaluation of effective canopy depths of apple trees for optimal machine sensing performance
\$14,184 (New – Year 1 of 2) – Total of \$27,069
- _____15. J. Timer - Feasibility, cost effectiveness, and showcasing of haskap (Honeyberry), *Lonicera caerulea* and hardy kiwi (*Actinidia arguta*) production in Pennsylvania
\$5,532 (New – 1 Year)
- _____16. N. Shariat - Development of phage therapy to mitigate fire blight
\$8,645 (Continuing - Year 3 of 4)
- _____17. H. Medeiros - Bloom intensity estimation using your smartphone: Machine learning algorithms for species- independent visual recognition of flowers
\$20,200 (New – 1 Year)
- _____18. W. Jurick - Evaluation the efficacy of a new postharvest fungicide and developing tools to monitor fungicide resistance in blue mold populations
\$9,643.20 (New – 1 Year)
- _____19. C.S. Walsh - Monitoring and utilizing fruit maturity to improve harvest and storage disorders of Honeycrisp
\$7,343.80 (New – Year 1 of 2)