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

SHAP RESEARCH COMMITTEE - First Ballot - January 15, 2022

Total Requested =$195,294.50 4 Continuing Projects = $58,456.00 10 New Projects = $136,838.50

_____1. J. Schupp – Apple Rootstock and Cultivar Evaluations
$13,574 (Continuing – Year 7 of 6)

_____2. K. Peter - Problem Postharvest Rots Lurking: Investigating Bull's Eye Rot and Alternaria Rot in PA and MD Packhouses
$14,000 (Continuing – Year 3 of 3)

_____3. K. Peter - Investigating the Role of Viruses, Soil Fertility, Nematodes, and Herbicides in Rapid Apple Decline
$15,000 (Continuing – Year 3 of 3)

_____4. G. Krawczyk – Evaluating Solutions for Codling Moth and Oriental Fruit Moth Management Challenges
$15,882 (Continuing – Year 2 of 2)

_____5. D. Biddinger - Controlling Plum Curculio in Mid-Atlantic Apple Orchards
$11,000 (New – 1 Year)

_____6. C. Walsh - Disease Tolerance and Fruit Quality Assessments in Superior York Seedling Selections for the Mid-Atlantic Apple Fresh Market and Processing Industries
$16,546 (New – Year 1 of 2)

_____7. T.McNellis - Auxotrophic Erwinia amylovora Biopesticide Characterization and Efficacy Testing
$12,083 (New – 1 Year)

_____8. L. He - Orchard Canopy Stress Monitoring with In-Field and Remote Sensing Technologies
$14,719 (New – 1 Year)

_____9. T. Collum - Investigation of Host Molecular Markers Linked with Response to Rapid Apple Decline
$12,000 (New – 1 Year)

_____10. T.Leskey - Evaluating the Use of Mating Disruption for Management of Codling Moth in Small Acreage Apple Orchard Blocks
$12,642 (New – 2 Year - $17,329 Total)

_____11. A. Bierer - Quantification of Drought Stress Tolerance: A 3-Dimensional Approach Using Precision Automated Irrigation and Topological Data Analysis
$15,780 (New – 2 Year - $27,428 Total)

_____12. L. Tang - Identifying Belowground Response to Water Deficits and Developing Tools for Mitigating Drought Stress in Apple Trees
$17,996 (New – 2 Year - $28,102 Total)

_____13. M. Farcuh - Comparing the Impact of ReTain® and HarvistaTM on Fruit Quality, Ethylene

Production and Preharvest Drop Control of Commercially Important Apple Cultivars Grown in the Mid-Atlantic Region.
$14,885 (New – 1 Year)

_____14. M. Farcuh – Interaction of Extenday Reflective Ground Cover with ReTain Applications on Mid-Atlantic Apple Cultivars: Impact on Red Coloration, Fruit Quality and Canopy Light Distribution
$9,187.50 (New – 1 Year)