

PROCINORTE

2017 Annual Workplan & Budget – Tree Fruit

Member	Specific Objective	Planned Activities	Expected Results	Date	Venue	Delivery Instrument	Resource Implications	Funding Mechanism	Participants
TREE FRUIT	Completion of existing data set processing and analysis of visible/near infrared spectra for avocado samples with varying dry matter content. Validation of spectral analysis with a new spectral model.	Completion of correlation analysis of Vis-NIR with harvest maturity Completion of analyses/measures to determine fruit skin's temperature stability of spectral analysis under varying field temperature conditions.	Nov. 2017	Mexico	Report of analysis of data	\$--	\$40,000 INIFAP, AAFC, ARS/USDA (In-kind) \$10,000 Industry	R. Goenaga S. Salazar, P. Toivonen J. Osuna	
	Initiate research to use spectroscopy to measure quality in major Mexican mango varieties.	Preliminary results for use of spectroscopy for measuring quality of Mexican mango varieties (Tommy Atkins and Ataulfo).	Dec. 2017	Mexico	Field work and data collection	\$12,000	\$20,000 INIFAP, AAFC, ARS/USDA (In-kind) \$5,000 Industry	R. Goenaga S. Salazar, P. Toivonen J. Osuna	
	Evaluating sweet cherry and mamey sapote quality using spectral analysis.	Correlate Vis-NIR with harvest maturity under field conditions; validation of measurement protocols.	Dec. 2017	Mexico Puerto Rico	Field work and data collection	\$--	\$10,000 INIFAP, AAFC, ARS/USDA (In-kind) \$3,000 Industry	R. Goenaga S. Salazar, P. Toivonen J. Osuna	
	Improve and update the taskforce web site.	Disseminate Taskforce accomplishments.	July 2017		Website content	\$--	\$7,000 ARS/USDA (In-kind)	R. Goenaga S. Salazar, P. Toivonen J. Osuna	
	Taskforce meeting, participation in the V Latin-American Avocado Congress	Discuss current research progress; update congress on progress with non-destructive measurement of maturity/dry matter in avocado Prepare Action Plan 2018.	Sept. 2017	Jalisco, Mexico	Presentation in Congress and Task Force Meeting	\$6,000	\$5,000 INIFAP, AAFC, ARS/USDA (In-kind)	R. Goenaga S. Salazar, P. Toivonen J. Osuna	
	TREE FRUITS SUBTOTAL							\$18,000.00	