

### FY 2011 Base Evaluation Monitoring Projects

Proposal No.	Title	Principal Investigator	Year	FY 2011 Allocation	Unit-Fundcode
INT-EM-B-10-01	White pine blister rust in the Southwest: Monitoring the health of southwestern white pine	Dr. Kristen Waring - Northern Arizona	2 of 3	\$56,000	R3-SPFH
INT-EM-B-10-03	The influence of mountain pine beetle outbreaks on carbon and nitrogen cycling in lodgepole pine ecosystems	Matt Hansen, USFS-RMS	2 of 3	\$20,000	RMS-SPFH
INT-EM-B-10-04	Rapid aspen decline on the southwestern edge of its range	Margaret M. Moore - NAU	2 of 2	\$26,000	R3-SPFH
INT-EM-B-11-01	Assessing Limber Pine Stand Conditions after Mountain Pine Beetle Outbreaks	K. S. Burns - R2	1 of 3	\$65,000	R2-SPFH
INT-EM-B-11-03	Monitoring walnut health and decline in response to thousand cankers disease and infestation by the walnut twig beetle, <i>Pityophthorus juglandis</i> , in southern California and New Mexico	Graves - R3 FHP	1 of 2	\$36,000	R3-SPFH
INT-Regional				\$30,000	R2-SPFH
NC-EM-09-02	Assessment of Beech Bark Disease in Michigan: Rate of Spread and Impacts on Stand Composition and Down Woody Material	Deborah G. McCullough, MSU	3 of 3	\$47,000	NA-SPCH
NC-EM-B-10-01	Distribution and intensification of bur oak blight in Iowa and the Midwest	Tom Harrington, ISU	2 of 3	\$50,000	NA-SPS5
NC-EM-B-10-02	Sugar maple dieback in the upper great lakes region	Andrew Storer, MTU	2 of 3	\$60,000	NA-SPCH
NC-EM-B-11-01	Beech Bark Disease Monitoring in Wisconsin: Establishment of a Beech Bark Disease Monitoring & Impact Assessment System (BBDMIAS)	Petrillo - Univ WI	1 of 2	\$25,000	NA-SPS5

NC-EM-B-11-03	Evaluation and monitoring of ash trees tolerant to long-term exposure to emerald ash borer	Storer - MI Tech	1 of 2	\$56,000	NA-SPCH
NC-Regional				\$30,000	NA-SPFH
NE-EM-B-10-01	Investigating Causes of Mortality in Vermont and Adjacent States	Robert DeGues, VT Dept. For.	2 of 3	\$17,000	NA-SPFH
NE-EM-B-10-03	The role of <i>Phytophthora cinnamomi</i> in recent oak mortalities in northeastern	Yilmaz Balci, Univ of MD	2 of 3	\$50,000	NA-SPCH
NE-EM-B-11-01	Multi-state beech bark disease (BBD) survey & beech scale resistance	Gladders - DE State Forestry	1 of 1	\$20,000	NA-SPCH
NE-EM-B-11-03	Survey for Beech Bark Disease Resistant American Beech Trees (on the Hiawatha and Monangahela National Forests)	Koch-NRS	1 of 3	\$43,000	NRS-SPFH
NE-Regional				\$30,000	NA-SPCH
SO-EM-09-01	Assessing Forest Tree Risk of Extinction and Genetic Degradation from Climate Change	Bill Hargrove, SRS	3 of 3	\$33,000	SRS-SPFH
SO-R-09-01	Yellow Birch in the Southern Appalachians as an Indicator of Acidified Soils and Forest Susceptibility to Climate Change and Other Regional Stressors	Ken Stolte, SRS	3 of 3	\$38,000	SRS-SPFH
SO-EM-B-11-01	Thousand Cankers Disease in Tennessee: For How Long?	Randolph, Oswald, Rose, USFS-SRS-FIA	1 of 1	\$9,000	SRS-SPFH
SO-Regional				\$30,000	R8-SPFH
WC-EM-09-02	Monitoring Mountain Pine Beetle Life Cycle Timing and Phloem Temperatures at Multiple Elevations and Latitudes in California	Barbara Bentz, RMS	3 of 3	\$21,000	RMS-SPFH
WC-EM-B-10-01	Alder ( <i>Alnus tenuifolia</i> ) Mortality Agent Complex Effects on Riparian Zone Habitat,	Jim Kruse, FHP R10	2 of 2	\$20,000	R10-SPFH

WC-EM-B-11-01	Impacts of Swiss Needle Cast in the Cascade Mountains of Northern Oregon: Monitoring of Permanent Plots after Ten Years	Filip- FHP R6	1 of 1	\$33,000	R6-SPFH
WO-Regional				\$30,000	R6-SPFH
<b>Total</b>				<b>\$875,000</b>	