

Table. Simulated spruce beetle disturbance rotation period (# years required to disturb an area equal to the eligible area) for eligible cover types under the HRV disturbance scenario on the San Juan National Forest, Colorado. Rotation period was based the area disturbed over a single 800-year simulation run, after excluding the first 100 year equilibration period (N = 70 time steps). The mean and range (minimum, maximum) in observed rotation periods across 5 simulation runs are given by mortality level. Low mortality disturbances do not kill the majority (<75%) of the overstory plant individuals and either maintain the stand in its current condition or accelerate its succession transition to a later stage of development; high mortality disturbances kill >75% of the overstory plant individuals and always result in stand initiation.

Cover Type	Eligible Area (ha)	Rotation Period (yrs)		
		Low Mortality	High Mortality	Any Mortality
Warm Dry Mixed-Conifer Forest	49,237	179,375 (111,412 - 216,251)	20,346 (12,587 - 24,161)	18,274 (11,309 - 21,734)
Warm Dry Mixed-Conifer with Aspen Forest	48,204	108,998 (73,700 - 131,234)	12,011 (8,206 - 14,772)	10,819 (7,383 - 13,277)
Cool Moist Mixed-Conifer Forest	34,287	4,175 (2,895 - 4,774)	469 (321 - 554)	422 (289 - 496)
Cool Moist Mixed-Conifer with Aspen Forest	78,407	4,045 (2,930 - 4,816)	451 (324 - 528)	405 (292 - 476)
Spruce-Fir Forest	153,982	1,691 (1,284 - 2,043)	188 (142 - 230)	169 (128 - 207)
Spruce-Fir-Aspen Forest	67,500	1,740 (1,424 - 2,103)	194 (160 - 231)	175 (143 - 208)
Total (all eligible)	431,617	2,726 (2,085 - 3,280)	304 (232 - 367)	273 (209 - 330)