

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 Uncompahgre Plateau Landscape, Colorado. Rotation period was based the area disturbed over five 800-year simulation runs, after excluding the first 100 year equilibration period (N = 350 time steps). 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 of the host species and may either maintain the stand in its current condition, accelerate its succession transition to a later stage of development, or result in stand in stand initiation if concomitant with other disturbance agents, depending on the cover type and stand condition at the time of the disturbance.

Cover Type	Eligible Area (ha)	Rotation Period (yrs)		
		Low Mortality	High Mortality	Any Mortality
Warm Dry Mixed-Conifer Forest	9,288	29,563 (18,746 - 36,867)	3,317 (2,027 - 4,090)	2,982 (1,829 - 3,682)
Warm Dry Mixed-Conifer with Aspen Forest	1,056	26,794 (18,428 - 36,294)	2,971 (2,138 - 3,975)	2,674 (1,916 - 3,583)
Cool Moist Mixed-Conifer Forest	1,124	3,724 (2,354 - 4,690)	415 (262 - 473)	373 (235 - 430)
Cool Moist Mixed-Conifer with Aspen Forest	4,540	3,379 (2,004 - 4,109)	390 (228 - 490)	349 (205 - 438)
Spruce-Fir Forest	7,787	2,413 (1,672 - 2,848)	269 (187 - 303)	242 (168 - 273)
Spruce-Fir-Aspen Forest	22,984	2,474 (1,617 - 3,015)	275 (176 - 335)	247 (159 - 302)
Total (all eligible)	46,780	3,214 (2,110 - 3,794)	359 (233 - 423)	323 (209 - 381)