

Table 2. Timing of bark beetles' life cycle events

Factor	Mountain pine beetle	Spruce beetle	Douglas-fir beetle
Main adult flight	July through August	May through June	April through July
Host preference	living trees	windfall/slash, or living trees	windfall/slash, or living trees
Normal length of life cycle	1 year	2 years ^a	1 year
Overwintering stage	larvae	larvae and adult ^b	larvae and adult

- a) The length of the spruce beetle life cycle is highly dependent on the rate of heat accumulation. In warm summers, spruce beetle can complete its life cycle in one year. The duration of the life cycle affects the assessment of risk and hazard of damage.
- b) Spruce beetle must overwinter as an adult before emerging to attack new host material. In the normal life cycle of two years, spruce beetle overwinters as a larva in the first year and as an adult in the second.