

**Table 3. Blue Ridge:** Modeled climatic habitat for species for five consecutive 30-year climate normal periods, including two historic periods (1960s and 1990s) and three future periods (2020s, 2050s, and 2080s). Species values represent an estimated proportion of the land base, assuming no human disturbance. An estimated percent of climate conditions suitable for cropland or rangeland use, are provided as well as climate conditions not supporting forested ecosystems

Scientific name	Common name	1960s	1990s	2020s	2050s	2080s
	Non-Forested	32.35	32.73	36.23	39.03	37.38
	Agriculture	15.35	10.76	24.33	29.2	15.18
<i>Populus tremuloides</i>	quaking aspen	21.34	17.66	20.99	21.93	10.45
<i>Picea mariana</i>	black spruce	14.47	15.83	13.33	11.62	4.59
<i>Pinus contorta</i>	lodgepole pine	11.32	13.79	9.08	7.23	1.87
<i>Picea glauca</i>	white spruce	10	10.58	9.58	8.73	3.04
<i>Populus balsamifera</i>	balsam poplar	4.25	2.94	4.13	4.37	1.79
<i>Larix laricina</i>	tamarack	2.04	2.03	1.99	1.84	1.23
<i>Betula papyrifera</i>	paper birch	1.29	1.29	1.38	1.38	1.35
<i>Abies balsamea</i>	balsam fir	0.66	0.87	0.64	0.61	2.95
<i>Pinus banksiana</i>	jack pine	0.23	0.14	0.16	0.18	0.53
<i>Picea engelmannii</i>	Engelmann spruce	0.11	0.13	0.06	0.03	0.04
<i>Abies lasiocarpa</i>	subalpine fir	0.05	0.1	0.03	0.02	0.01
<i>Pseudotsuga menziesii</i>	Douglas fir	0.01	0.04	0.01	0.09	0.4
<i>Pinus strobus</i>	eastern white pine	0	0	0	0.02	1.54
<i>Thuja occidentalis</i>	northern white cedar	0	0	0	0.06	2.38
<i>Fraxinus nigra</i>	black ash	0	0	0	0.05	0.87
<i>Fraxinus pennsylvanica</i>	green ash	0	0	0	0.05	0.13
<i>Pinus resinosa</i>	red pine	0	0	0	0.05	1.96
<i>Acer rubrum</i>	red maple	0	0	0	0.04	5.2
<i>Acer saccharum</i>	sugar maple	0	0	0	0.03	8.23
<i>Tilia americana</i>	American basswood	0	0	0	0.02	1.61
<i>Quercus rubra</i>	northern red oak	0	0	0	0.01	1.24
<i>Populus grandidentata</i>	bigtooth aspen	0	0	0	0.01	0.8
<i>Betula alleghaniensis</i>	yellow birch	0	0	0	0	1.15
<i>Ulmus americana</i>	American elm	0	0	0	0	0.23
<i>Pinus ponderosa</i>	ponderosa pine	0	0	0	0	0.34
<i>Tsuga canadensis</i>	eastern hemlock	0	0	0	0	1.77
<i>Prunus serotina</i>	black cherry	0	0	0	0	1.1
<i>Acer saccharinum</i>	silver maple	0	0	0	0	0.02
<i>Fraxinus americana</i>	white ash	0	0	0	0	1.35
<i>Fagus grandifolia</i>	American beech	0	0	0	0	0.8
<i>Picea abies</i>	Norway spruce	0	0	0	0	0.28
<i>Pinus sylvestris</i>	Scots pine	0	0	0	0	0.18
<i>Quercus alba</i>	white oak	0	0	0	0	0.15
<i>Carya cordiformis</i>	bitternut hickory	0	0	0	0	0.11
<i>Quercus prinus</i>	chestnut oak	0	0	0	0	0.1