

**Table 4. Bois Francs:** 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	33.67	33.2	49.42	46.98	28.11
	Agriculture	22.74	13.88	23.58	24.79	30.12
<i>Abies balsamea</i>	balsam fir	11.63	11.32	1.78	0.58	0.13
<i>Acer rubrum</i>	red maple	7.92	8.62	8.53	9.99	12.92
<i>Thuja occidentalis</i>	northern white cedar	5.95	6.54	1.53	0.59	0.05
<i>Acer saccharum</i>	sugar maple	5.78	4.78	6.22	3.49	3.84
<i>Betula papyrifera</i>	paper birch	4.53	3.68	1.06	0.54	0.45
<i>Populus tremuloides</i>	quaking aspen	4.51	3.55	1.66	0.79	0.66
<i>Picea rubens</i>	red spruce	4.29	4.59	1.09	0.56	0.17
<i>Betula alleghaniensis</i>	yellow birch	3.88	3.58	2.16	1.27	0.85
<i>Picea mariana</i>	black spruce	2.7	1.97	0.14	0.02	0.01
<i>Tsuga canadensis</i>	eastern hemlock	2.28	3.91	4.26	4.7	5.46
<i>Picea glauca</i>	white spruce	2.18	1.62	0.33	0.06	0.04
<i>Fagus grandifolia</i>	American beech	1.64	1.89	2.38	1.76	1.59
<i>Pinus strobus</i>	eastern white pine	1.46	3.06	4.12	7.89	8.17
<i>Larix laricina</i>	tamarack	0.82	0.68	0.25	0.13	0.16
<i>Populus grandidentata</i>	bigtooth aspen	0.67	0.78	0.87	0.49	0.61
<i>Fraxinus americana</i>	white ash	0.65	0.91	2.55	2.06	3.16
<i>Pinus banksiana</i>	jack pine	0.49	0.41	0.08	0.03	0.02
<i>Fraxinus nigra</i>	black ash	0.35	0.42	0.49	0.23	0.06
<i>Populus balsamifera</i>	balsam poplar	0.32	0.18	0.09	0.03	0
<i>Quercus rubra</i>	northern red oak	0.26	0.42	1.5	3.93	6.49
<i>Pinus resinosa</i>	red pine	0.25	0.38	0.51	0.35	0.35
<i>Tilia americana</i>	American basswood	0.16	0.18	0.78	0.52	0.51
<i>Prunus serotina</i>	black cherry	0.12	0.22	1.66	1.82	2.47
<i>Acer saccharinum</i>	silver maple	0.09	0.09	0.26	0.31	0.35
<i>Ulmus americana</i>	American elm	0.08	0.11	0.7	0.67	0.76
<i>Picea abies</i>	Norway spruce	0.07	0.07	0.34	0.19	0.23
<i>Fraxinus pennsylvanica</i>	green ash	0.05	0.06	0.24	0.24	0.29
<i>Quercus velutina</i>	black oak	0.03	0.02	0.07	1.49	2.36
<i>Quercus alba</i>	white oak	0.02	0.02	0.18	1.4	3.75
<i>Carya cordiformis</i>	bitternut hickory	0.01	0.01	0.23	0.22	0.31
<i>Juniperus virginiana</i>	eastern redcedar	0	0	0.06	0.25	0.44
<i>Pinus sylvestris</i>	Scots pine	0	0.01	0.22	0.17	0.13
<i>Carya ovata</i>	shagbark hickory	0	0	0.08	0.36	0.7