



New-growth trees used *e.g.* in electric guitars is systematically heavier/denser and less resonant than old-growth wood. It also tends to have higher mineral content. The grain in new-growth Sitka spruce tends to be wider than in old-growth Sitka – its warmer now than it used to be a few centuries ago – thus tree ring growth per year is commensurately more also... New growth Sitka spruce also tends to have significantly more knots than old-growth Sitka – soundboards must be knot free...

World-wide, there is ever-increasing demand for lumber, for use in building new houses, for furniture, paper, boats as well as musical instruments. Just for the latter category alone, saw nearly a tripling in U.S. production of all guitars in the decade from 1996-2006:

