Shown here are balsam poplars breaking bud and leafing out in growth chambers. *PopClock* researchers are studying poplars under controlled conditions to understand genetic variation in phenology among trees that have adapted to different climate conditions. *PopClock* citizen scientists are an important element of this research; by contributing observations from natural stands of balsam poplar and quaking aspen, we are working together to link how genes and climate interact to control phenology in nature.