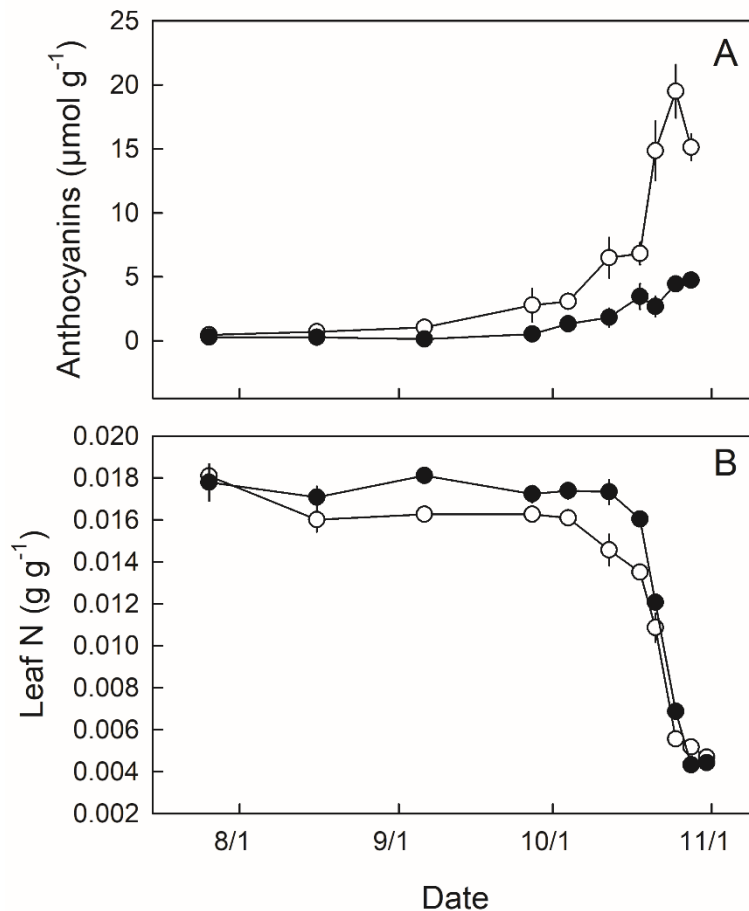


Supplementary Material



Supplementary Figure 1. Seasonal changes in dry mass-based leaf anthocyanins content (A), and leaf N content (B) in the outer- (open) and the inner-canopy (closed symbols) leaves of fullmoon maple. Leaves were sampled from an adult tree of fullmoon maple (height: ≈ 10 m, age: 50 years old) grown in the arboretum of Hokkaido Research Center, Forestry and Forest Products Research Institute (43.0°N , 141.4°E ; 180 m a.s.l.). Outer-canopy leaves had higher amount of anthocyanins than inner-canopy leaves during leaf senescence, whereas leaf senescence progressed synchronously. Values are mean \pm se (n=4).