Title: Seasonal nitrogen cycling in temperate trees: Transport and regulatory mechanisms are key missing links

Authors: Benjamin A. Babst, Gary D. Coleman

PII: S0168-9452(18)30132-8
DOI: https://doi.org/10.1016/j.plantsci.2018.02.021
Reference: PSL 9765

To appear in: *Plant Science*

Received date: 31-1-2018
Accepted date: 22-2-2018

Please cite this article as: Benjamin A.Babst, Gary D.Coleman, Seasonal nitrogen cycling in temperate trees: Transport and regulatory mechanisms are key missing links, Plant Science https://doi.org/10.1016/j.plantsci.2018.02.021

Review Article

Review: Seasonal nitrogen cycling in temperate trees: Transport and regulatory mechanisms are key missing links

Benjamin A. Babst[a,b,*] , Gary D. Coleman[c]

[a] Arkansas Forest Resources Center, Division of Agriculture, University of Arkansas System, Monticello, AR 71656, USA
[b] School of Forestry and Natural Resources, University of Arkansas at Monticello, Monticello, AR 71656, USA
[c] Department of Plant Science and Landscape Architecture, University of Maryland, College Park, MD 20742, USA

Abbreviations: GS, glutamine synthetase; SE-CC, sieve element-companion cell complex; AMT, ammonium transporter; CAT, cationic amino acid transporter; BSP, bark storage protein; SD, short-day photoperiod; NAGK, *N*-acetylglutamate kinase.

* Corresponding author at: School of Forestry and Natural Resources, University of Arkansas at Monticello, 110 University Ct, Monticello, AR 71656, USA

Email addresses: babst@uamont.edu (B.A. Babst), gcoleman@umd.edu (G.D. Coleman)

Table of Contents

Declarations of interest: none

Graphical abstract