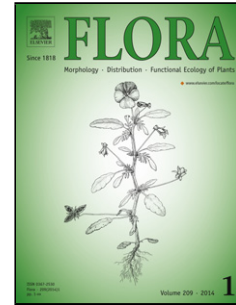


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**Phosphorus addition reduces the competitive ability of the invasive weed *Solidago canadensis* under high nitrogen conditions**

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### **Highlights**

- Effects of P addition on the invasive plant under high N condition are analyzed.
- P addition results in N becoming a critical limiting factor for plant growth.
- The ratio of N:P is critical in determining the species-specific competitive ability.

### **Abstract**

Changes in resource supply ratios affect interspecific competition; however, the effects on the plant invasions are still relatively unknown. To determine the effects of phosphorus (P) availability on the competitive ability of the invasive herb *Solidago canadensis* in an

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