



Evaluating Non-Indigenous Plant Species Dynamics in the Greater Yellowstone Ecosystem: Human Dispersal and Factors Affecting Establishment

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Practical Importance

Name _____ Date _____ **QUIZ 1**
Please circle the correct answer. Only one correct choice per question.

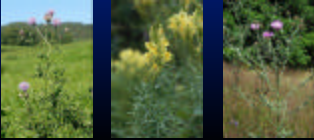
1. People, time, and funding for projects in Federal and State Agencies are all:

- A) Limitless
- B) Limited
- C) Nonexistent

Practical Importance

Implications in terms of dealing with Non-Indigenous Species (NIS) in the Greater Yellowstone Ecosystem (GYE)


- Mandates to control NIS
- Cannot be everywhere, all the time, controlling NIS
- Need help limiting introductions and directing control efforts



Task 1: Limiting Introductions




(How do they get there???)

- Natural events
- Dispersal by humans



Research Part 1

- Vehicular transport of NIS
 - How much seed/distance?
 - How far can it be transported?
 - Dispersal Models






Task 2: Directing Effort

(Why are NIS here but not there???)

- Probability of Occurrence

Environment characteristics



Research Part 2

- Effects of elevation (and related variables) on NIS growth and reproduction.
 - Risk of spread in high elevation areas
 - Effects of climate change



Lower Elevation



Higher Elevation

Outcomes

- Information for policy makers regarding vehicular use
- More information to help managers prioritize control efforts



In the Classroom

- Responses of plants to the environment
- Opportunities to explore experimental design
- Dirt!!!