

Less than 10% of original grassland remains in most areas of North America

Due to

- > Land use change
- > Invasive species





## Reseeding is challenging

Re-invasion Low diversity

High cost prevents large scale revegetation efforts







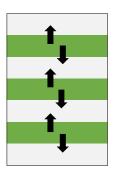
## Spatially patterned methods

Dense patches of seeds

Seeded species disperse to non-seeded areas

Strip seeding

Horizontal patches





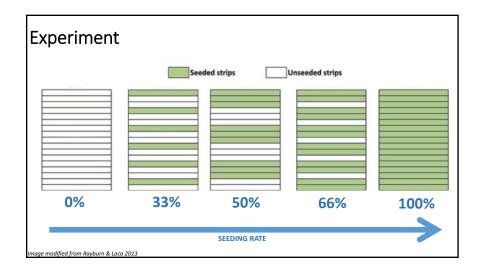
## Potential benefits

Dense seeding of grasses
• Higher chance of establishment
Increased invasion resistance
Lower seed and labor cost
Easy implementation
Erosion control





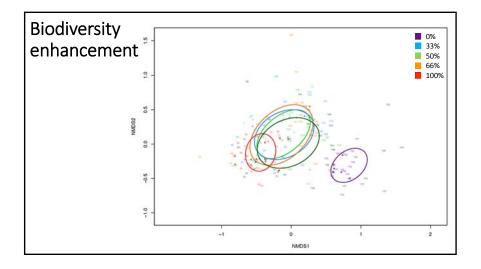


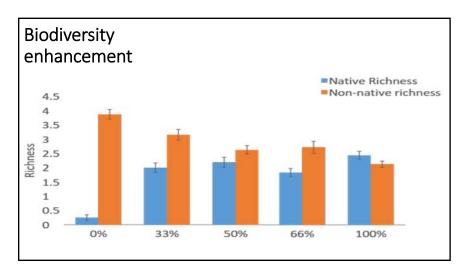


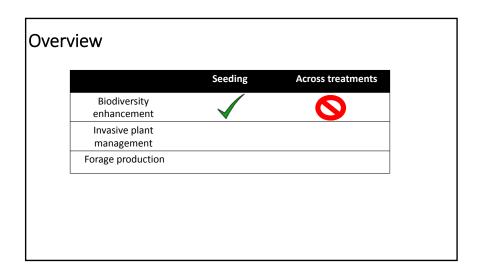




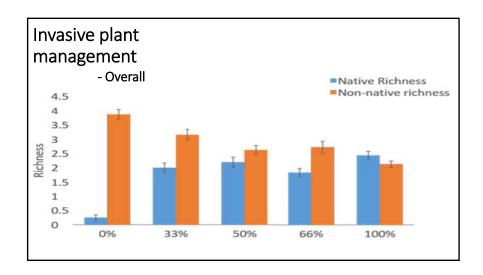


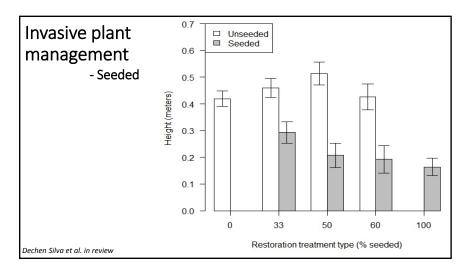


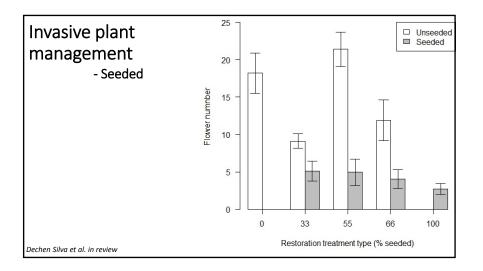


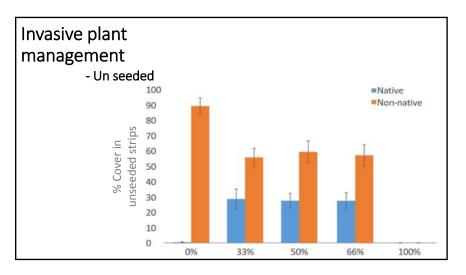


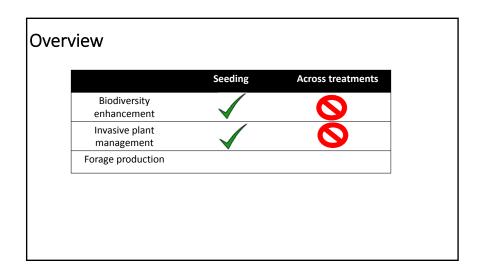




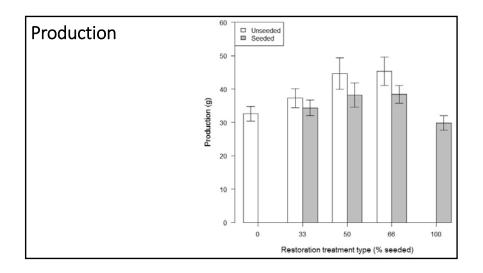


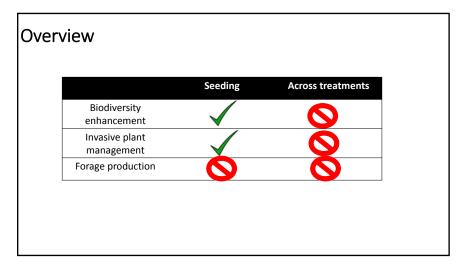












## Overview

The use of seeding of native species provides utility for:

Enhancing biodiversity
Reducing invasive species
Providing invasion resilience

So far, we have not found evidence that area seeded matters, so we suggest that seeding 33% of degraded areas in a strip seeding program could provide effective achievement of management goals within 5 years

