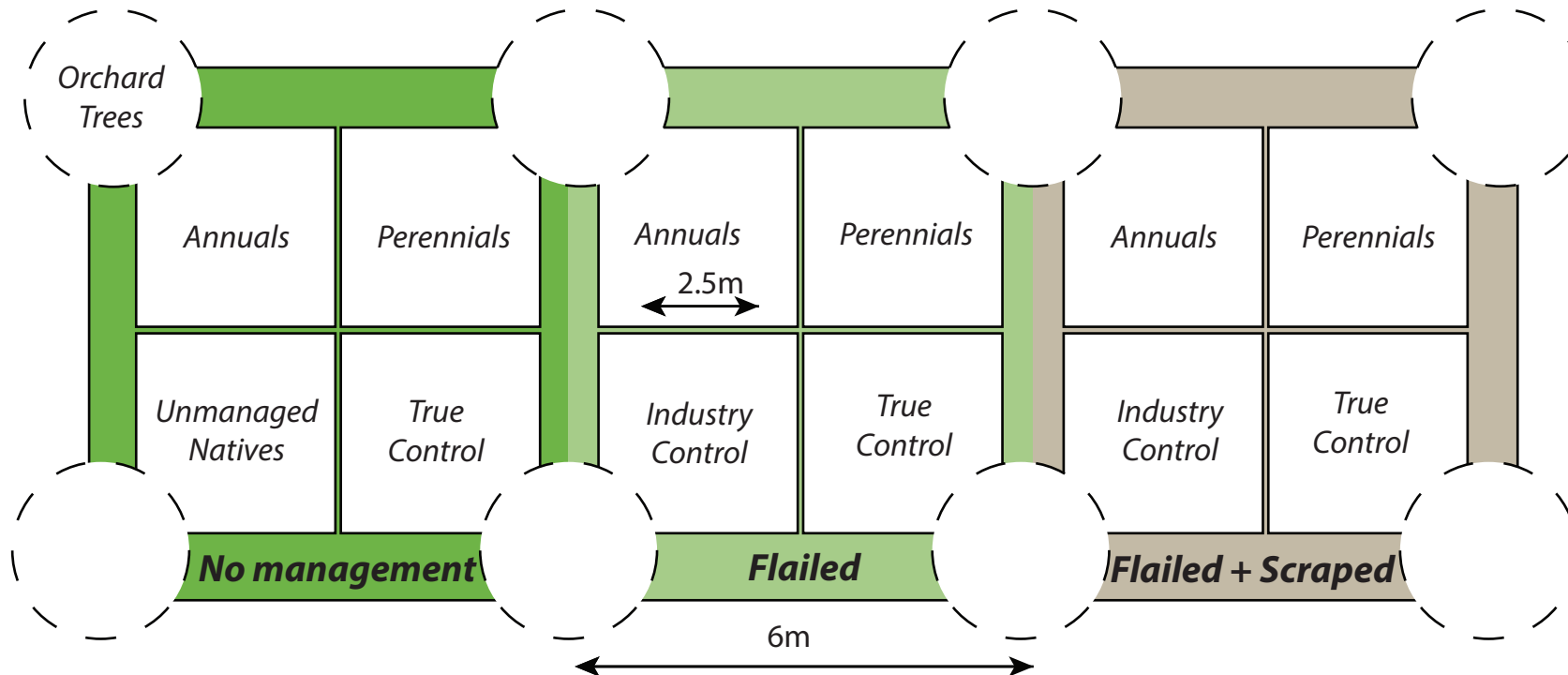


hazelnut prairie-savanna experimental design

a) Plot Layout

x6 replicates/orchard
x4 orchards (5, 15, 40, 60 year old)



b) Plot Treatments (draft)

Setup: All plots sprayed/burned to clear vegetation. Each plot seeded with 8g/m² of seed mixes described below evenly divided between species (n=8, n=19, n=4). Ongoing management of each plot described below:

No Management: No intervention of farm activities, excepting occasional vehicle/foot traffic.

Flailed: Repeated mowing (4-6x) from late spring post seed-set (June) through nut harvest (October).

Flailed + Scraped: In addition to the flail treatment, plot scraped with a floating scraper mid to late summer. This treatment most closely mimics standard operating procedures throughout the orchard.

c) Seed Mixes

Native Annual Forbs

- *Collomia grandiflora*
- *Amsinckia menziesii*
- *Clarkia purpurea*
- *Epilobium densiflorum*
- *Gilia capitata*
- *Lotus purshianus*
- *Plectritis congesta*
- *Sanguisorba annua*

Native Perennial Forbs

- *Achillea millefolium*
- *Agoseris grandiflora*
- *Lomatium nudicaule*
- *Potentilla gracilis*
- *Prunella vulgaris*
- *Viola praemorsa*
- *Geum macrophyllum*
- *Eriophyllum lanatum*

Unmanaged Natives

- All above +
- *Danthonia californica*
- *Festuca roemerii*
- *Carex tumulicola*

Industry Control:

- Winter barley
- oats
- Common vetch
- Pea(?).