

Why?

We need to address pollinator basic needs

 Flowering plants throughout the growing season

- Egg laying/nesting sites

Overwintering habitat

Nesting needs

- Bare ground = ground nesting bees
- Tree cavities/twigs = mason bees, carpenter bees, leafcutter bees
- Stems/dead vegetation = carpenter bees, sweat bees

Several species require an individual plant or plant family to complete its life cycle

But why pollinators?

- Nearly 80% of crops require animal pollination
 - We need them!

 Pollinators make up the main food source for grassland birds especially right after hatching – Wildlife need them!



How do we increase diversity?

- Identify appropriate/necessary species (seasonality) and seed sources
- Identify method of interseeding
- Prep for interseeding
- Plant
- Manage



We are failing with spring ephemerals

- Often expensive
- Hard to find seed
- Spiderwort, puccoon, violets, Indian paintbrush, hyacinth, golden alexanders, wood betony, cream indigo – (photo taken April 28th)
- Wild ryes, June grass, river oats, native fescue







Preparation

Haying

 This can be used for multiple seasons or multiple times in a season, prior to interseeding, to set back aggressive native grasses or simply remove that years' growth and prep for seeding

Burning

 Burning is often necessary to remove thatch, especially when broadcasting. Harrowing/dragging after seeding may be necessary if not completed early in the winter

Grazing

 Grazing can be used to keep vegetation growth minimal the year prior to seeding

Ready to plant your reconstruction or native pasture

Management - Herbicide

- Manage winter annuals, when necessary, especially prior to planting
- Native pastures and plateau herbicide
- Grass selective herbicides



Management - Burning

 Late fall/early winter is best for wildflower diversity

 Late summer to early fall burning can be used to suppress aggressive grasses

 More frequent burning simply seems to amplify the results (at least every 2-3 years)



Management - Grazing

- Grazing during plant establishment
 - This often means resting the planted area until late in the growing season or one entire season
 - If it is a diversification of existing native pasture, light grazing during the growing season could benefit seedlings by reducing competition
- Grazing timing
 - Seasonality of grazing is an important consideration, e.g., spring ephemerals





Diversity is key

- Diversity drives the system
 - More resilient to invasive species
 - More resilient to changes in weather patterns
 - Provides greater resources to wildlife
 - Provides year-round, whole life cycle habitat

