

**Title and Number of Planting:** Dot & Doug Wade Prairie 2021 Planting 136

**Authors of this History:** Alan and Mary Meier

**Revision Date:** 09/30/2022

**Site Conditions:**

**Location:** Ogle County, Taylor Township 22N, Range 10E, Section 16. This planting is approximately 2 acres in size. The southern, northern, and eastern boundaries are all straight lines. The western boundary is irregularly shaped. The GPS coordinates of the boundary corners are:

Southwest corner:	N 41°53'35.6', W 089°21'07.7'
Northwest corner:	N 41°53'37.4', W 089°21'06.1'
Northeast corner:	N 41°53'37.7', W 089°21'03.4'
Southeast corner:	N 41°53'35.5', W 089°21'03.6'

The site is bordered by the Dot & Doug Wade Prairie 2013 Planting #110 on the north and west, Dot's Knob prairie remnant on the south, and a firebreak/two-track and fence line, beside a pine woodland filled with invasive Asian bush honeysuckle (off Nachusa Grasslands property) on the east.

**Topographic Features:** The planting is a rolling, upland area located on the north side of Dot's Knob that slopes downhill towards the lowland prairie plantings to the west.

**Site History:**

In the middle of the twentieth century, this area, which was probably still virgin prairie, was planted in pine trees. At that time, the federal government was encouraging planting trees as a cash crop for wood pulp production. The trees were not harvested until around 2010, when The Nature Conservancy paid to have the trees removed and taken to a pulp mill. For the next decade, Alan and Mary, stewards of the Dot and Doug Prairie unit, worked every year to remove unwanted woody vegetation, mostly hundreds of Asian bush honeysuckles, multi-flora rose, and other invasives from the site. Bill Kleiman ground down the stumps from the logged pines.

In 2020, it was determined that the native prairie species had not naturally returned to this area and that the woody vegetation was pretty much under control. Thus, it was time to attempt restoration of this site the following year.

**Site Preparations:**

In both the summer and fall of 2021, Bill Kleiman boom sprayed the site with Glyphosate to kill off most of the vegetation covering the area with the goal of eliminating competition for the new native plants. Alan Meier used a backpack sprayer to put down

Glyphosate around the trees, which could not be accessed with a tractor. Since we wanted to keep the numerous black oak trees on the site, care was taken to not kill these trees.

### Seed Planting:

On November 19, Alan and Mary and Matt Nugent, a seasonal crew member, mixed the seed in the Morton building. After taking the barrels of mixed seeds to the site, Matt planted most of the seed using a small Kubota tractor with an attached pendulum broadcast spreader. He made at least two passes over the site. Alan moved orange cones to direct Matt Nugent. Because the tractor could not be maneuvered around the trees, Mary hand sowed seed around them. In the afternoon, Kevin Kaltenbach also helped hand sow seeds around the trees and the edges of the planting.

### Seed List:

Throughout the spring, summer, and fall, Alan and Mary Meier hand-collected seed, often assisted by Saturday workday volunteers. Approximately 370 pounds of seed (including chaff) were planted. A total of 112 species were included. The bulk seed per acre average weight was 185 pounds. Both prairie and savanna species were picked.

Scientific Name	Common Name	Total lbs
<i>Agastache scrophulariaefolia</i>	Purple Giant Hyssop	1.20
<i>Allium cernuum</i>	Nodding Wild Onion	1.20
<i>Amorpha canescens</i>	Lead Plant	7.85
<i>Andropogon (Schizachyrium) scoparium</i>	Little Bluestem	4.55
<i>Anemone cylindrica</i>	Thimbleweed	1.00
<i>Antennaria neglecta</i>	Field Cat's Foot	0.20
<i>Antennaria plantaginifolia</i>	Pussy Toes	2.20
<i>Apocynum androsaemifolium</i>	Spreading Dogbane	0.20
<i>Aristida purpurascens</i>	Arrow Feather (three-awn grass)	0.01
<i>Artemisia caudata (campestris)</i>	Beech Wormwood	4.30
<i>Asclepias syriaca</i>	Common Milkweed	3.25
<i>Asclepias verticillata</i>	Whorled Milkweed	0.30
<i>Aster azureus (oolentangiensis)</i>	Sky-blue Aster	0.80
<i>Aster ericoides</i>	Heath Aster	4.60
<i>Aster laevis</i>	Smooth Aster	3.30
<i>Aster linariifolius</i>	Stiff Aster	1.40
<i>Aster novae-angliae</i>	New England Aster	1.45
<i>Aster ptarmicoides</i>	White Aster	0.01
<i>Aster sericeus</i>	Silky Aster	1.65
<i>Astragalus canadensis</i>	Canada Milk Vetch	0.55
<i>Baptisia leucantha</i>	White Wild Indigo	17.75
<i>Baptisia leucophaea</i>	Cream Wild Indigo	5.75
<i>Bouteloua curtipendula</i>	Side Oats Gramma	1.10
<i>Cacalia atriplicifolia</i>	Pale Indian Plantain	1.55

<i>Carex bicknellii</i>	Bicknell's Sedge	1.00
<i>Castilleja sessiliflora</i>	Downy Yellow Painted Cup	0.80
<i>Ceanothus americanus</i>	New Jersey Tea	0.20
<i>Chrysopsis camporum (Heterotheca)</i>	Golden Prairie Aster	0.30
<i>Cirsium hillii</i>	Hill's Thistle	0.10
<i>Coreopsis lanceolata</i>	Sand Coreopsis	0.10
<i>Coreopsis palmata</i>	Prairie Coreopsis	6.60
<i>Coreopsis tripteris</i>	Tall Coreopsis	3.85
<i>Danthonia spicata</i>	Poverty Oat Grass	0.10
<i>Desmodium illinoense</i>	Illinois Tick Trefoil	0.15
<i>Dodecantheon meadia</i>	Shooting Star	2.90
<i>Echinacea pallida</i>	Pale Purple Coneflower	78.75
<i>Elymus canadensis</i>	Canada Wild Rye	2.20
<i>Elymus virginicus</i>	Virginia Wild Rye	0.30
<i>Erigeron pulchellus</i>	Robin's Plantain	0.01
<i>Erigeron strigosus</i>	Daisy Fleabane	0.20
<i>Eryngium yuccifolium</i>	Rattlesnake Master	5.50
<i>Eupatorium purpureum</i>	Purple Joe Pye Weed	0.80
<i>Euphorbia corollata</i>	Flowering Spurge	2.20
<i>Gaura biennis pitcheri (longiflora)</i>	Common Gaura	0.20
<i>Gentiana (alba) flavida</i>	Cream Gentian	8.05
<i>Geum triflorum</i>	Prairie Smoke	0.01
<i>Helianthemum canadense</i>	Common Rockrose (Frostweed)	1.20
<i>Helianthus occidentalis</i>	Western Sunflower	6.15
<i>Heliopsis helianthoides</i>	False Sunflower	1.65
<i>Heuchera richardsonii grayana</i>	Alum Root	1.45
<i>Hieracium longipilum</i>	Hairy Hawkweed	0.15
<i>Juncus interior</i>	Inland Rush	1.10
<i>Koeleria cristata (macrantha)</i>	Prairie June Grass	4.10
<i>Krigia virginica</i>	Dwarf Dandelion	0.01
<i>Kuhnia (Brickellia) eupatorioides</i>	False Boneset	3.80
<i>Lechea tenuifolia</i>	Slender-Leaved Pinweed	0.85
<i>Lechea villosa (mucronata)</i>	Hairy Pinweed	0.35
<i>Lespedeza capitata</i>	Round-Headed Bush Clover	13.45
<i>Liatris aspera</i>	Rough Blazing Star	16.95
<i>Liatris pycnostachya</i>	Prairie Blazing Star, Tall Gayfeather	2.65
<i>Lithospermum incisum</i>	Fringed Puccoon	0.01
<i>Lupinus perennis</i>	Wild Lupine	3.40
<i>Monarda fistulosa</i>	Wild Bergamot	1.70
<i>Monarda punctata villicualis</i>	Horse Mint	0.70
<i>Oenothera clelandii (rhombipetala)</i>	Sand Evening Primrose	0.01
<i>Onosmodium hispidissimum</i>	Marbleseed	0.70
<i>Panicum villosissimum</i>	White-Haired Panic Grass	0.10
<i>Panicum virgatum</i>	Prairie Switch Grass	0.85
<i>Parthenium integrifolium</i>	Wild Quinine	31.40
<i>Penstemon digitalis</i>	Foxglove Beard Tongue	2.05
<i>Penstemon hirsutis</i>	Hairy Beard Tongue	.25
<i>Petalostemum (Dalea) candidum</i>	White Prairie Clover	1.75
<i>Petalostemum (Dalea) purpurea</i>	Purple Prairie Clover	9.10

<i>Physocarpus opulifolius</i>	Ninebark	0.10
<i>Polygala sanguinea</i>	Field Milkwort	0.01
<i>Polytaenia nuttallii</i>	Prairie Parsley	0.10
<i>Potentilla arguta</i>	Prairie Tall Cinquefoil	3.20
<i>Prenanthes aspera</i>	Rough White Lettuce	0.01
<i>Pseudognaphalium obtusifolium</i>	Sweet Everlasting	0.55
<i>Pycnanthemum tenuifolium</i>	Slender Mountain Mint	7.85
<i>Ratibida pinnata</i>	Yellow Coneflower	1.20
<i>Rosa carolina</i>	Pasture Rose	0.45
<i>Rubus flagellaris</i>	Dewberry	0.01
<i>Rudbeckia hirta</i>	Black-eyed Susan	1.20
<i>Rudbeckia subtomentosa</i>	Sweet Black Eyed Susan	2.40
<i>Salix humilis</i>	Prairie Willow	0.20
<i>Scrophularia lanceolata</i>	Early Figwort	0.01
<i>Senecio (Packera) pauperculus</i>	Balsam Ragwort	1.65
<i>Silene antirrhina</i>	Sleepy Catchfly	0.01
<i>Silphium integrifolium</i>	Rosin Weed	1.60
<i>Silphium laciniatum</i>	Compass Plant	8.90
<i>Silphium perfoliatum</i>	Cup Plant	3.30
<i>Silphium terebinthinaceum</i>	Prairie Dock	2.05
<i>Sisyrinchium albidum</i>	Common Blue-Eyed Grass	0.01
<i>Solidago (Euthamia) graminifolia</i>	Viscid Bushy Goldenrod	1.85
<i>Solidago grammifolia</i>	Grass-Leaved Goldenrod	7.15
<i>Solidago missouriensis</i>	Missouri Goldenrod	0.90
<i>Solidago nemoralis</i>	Old Field Goldenrod	1.75
<i>Solidago speciosa</i>	Showy Goldenrod	3.65
<i>Sporobolus heterolepis</i>	Prairie Dropseed	5.95
<i>Stipa spartea</i>	Porcupine Grass	0.90
<i>Talinum rugospermum</i>	Sand Fameflower	0.01
<i>Tephrosia virginiana</i>	Goat's Rue	5.70
<i>Tradescantia ohiensis</i>	Common Spiderwort	5.50
<i>Triosteum aurantiacum</i>	Orange Fruited Horse Gentian	0.01
<i>Verbena hastata</i>	Blue Vervain	1.65
<i>Verbena stricta</i>	Hoary Vervain	5.95
<i>Verbena urticifolia</i>	White Vervain	1.35
<i>Veronicaastrum virginicum</i>	Culver's Root	5.15
<i>Viola pedata</i>	Birdsfoot Violet	0.01
<i>Zizia aptera</i>	Heart-leaved Meadow Parsnip	0.45
<i>Zizia aurea</i>	Golden Alexander	1.20

Map:



Aerial Image of the Dot and Doug Wade Prairie Unit With 2021 Planting Outlined

**Photos:**



Alan Meier and Matt Nugent mixing seed  
Photo by Mary Meier



Alan Meier and Mary Meier with barrels of mixed collected seeds  
Photo by Matt Nugent



The new planting before seeding  
Photo by Alan Meier



Matt Nugent planting seed with Kubota tractor and pendulum spreader  
Photo by Alan Meier

## **2022 Follow up notes**

In late June, Alan and Mary Meier planted a small amount of birdsfoot violet (*Viola pedata*) seeds and a large amount (thousands of seeds) of violet wood sorrel (*Oxalis violacea*) that had been picked shortly before that date. These seeds were planted on the hillside at the western edge of the planting.

In late summer Alan and Mary pulled thousands of invasive Queen Anne's lace and removed hundreds of mullein seedheads from the planting.