

**Title and Number of Planting:** Dot & Doug Wade Prairie 2012 Planting #106

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

**Revision Date:** 4/5/2016

**Site Conditions:**

**Location:** Ogle County, Taylor Township 22N, Range 10E, Section 16. This planting is approximately 2.6 acres in size. The planting is rectangular in shape, except for an area in the southeastern corner, which follows the northern border of a large uncultivated area. The GPS coordinates of the boundary corners are:

Southwest corner:	N 41°53'38.6', W 089°21'20.3'
Northwest corner:	N 41°53'40.6', W 089°21'19.9'
Northeast corner:	N 41°53'40.3', W 089°21'11.7'
Southeast corner:	N 41°53'39.8', W 089°21'12.0'
East corner:	N 41°53'38.4', W 089°21'14.9'

The site is bordered by the Dot & Doug Wade Prairie 2010 Planting #99 on the south, a heavily wooded area on the west (off preserve), cornfields (future restorations) on the north and east, and a 1/8 acre weedy drainage area on the southeast corner. The weedy drainage area is referred to as Fallow Area 2 in the planting history for the 2010 Planting #99.

**Soil Types:** According to the Ogle County Soil Survey, soils include:

Most of the planting: #727B Waukee loam, 1 to 5% slopes  
Western edge of the planting: #761D Eleva fine sandy loam, 7-15% slopes  
Eastern edge of the planting: #233B Birkbeck silt loam, 2 to 5% slopes

**Topographic Features:** The entire planting slopes gently from north to south. There are two drainage areas that affect the site. One drainage is at the eastern edge of the planting, coming down from the northeast cornfield and flowing into the large weedy area at the southeast corner of the planting. The second drainage is in the central portion of the site, running from north to south. In our prior restorations, these drainages have been subject to erosion and invasion of undesirable species.

**Site History:**

This planting probably had been in row crop production from at least 1939 until 1994. The 1939 aerial photo is a little dark over this area, but it appears to already be in row crops. The 1958 aerial clearly shows that the planting was in row crops at that time and continuously until 1994, when Bill Kleiman, Kevin Kaltenbach, and a few other stewards spread combine mix, not hand-collected mix, over the entire field that includes this planting. The mix contained mostly little bluestem. They did not plant enough seed, nor did they cover the planting evenly. They had expected to add more seed, but ran out.

This planting did poorly, filling in with cool season grasses, some native prairie plants, and a lot of *Rubus*, invasive honeysuckle, and box elder seedlings from the fence line to the west.

Bill soon wanted to put the site back in corn, but Gene St. Louis, the unit's steward, decided to over-seed it instead. The field languished for a decade. It was mowed once or twice a year to knock down the woody plants. Gene over-seeded a good mix of species, but there was no apparent improvement. After several years of over-seeding, Bill had a farmer spray the area in the fall with a mix of Crossbow and Roundup. Then the farmer plowed it and planted corn in the spring. The corn was in this planting for nine years.

**Site Preparations:**

After the 2012 corn crop was harvested, stewards Al and Mary Meier staked out the planting. In mid-November, the crew attempted to burn the corn stubble, but very little actually burned. John Heneghan harrowed the field on the morning of November 17.

**Seed Planting:**

Al and Mary Meier and six volunteers from local colleges mixed the seeds in the Morton building on November 17. On that same afternoon and the following day, Mary and Al planted the general seed mix using a drop seeder/lime spreader pulled by a UTV. Three complete passes were made over the planting, with Mary driving the UTV and Al moving orange cones to direct the path of the seeder. The dry, wet mesic, and savanna mixes were hand-planted on subsequent dates, with all planting being concluded by December 1, 2012. The wet mesic mix was spread in the two drainage areas mentioned in the Topographic Features section, and the dry mix was sown primarily in the northwest section of the planting. The savanna mix was spread along the western edge of the planting.

**Seed List:**

Approximately 234 pounds of seed (including chaff and stems) were planted. A total of 132 species were included. Most of the seed was hand-harvested by Al and Mary Meier, all of it in 2012. No machine-harvested little bluestem was available this year. The bulk seed per acre average was 90 pounds.

Scientific Name	Common Name	Weight	Mix
<i>Agrimonia pubescens</i>	Soft Agrimony	0.25	Wet Mesic
<i>Allium canadense</i>	Wild Garlic	0.03	General
<i>Allium cernuum</i>	Nodding Wild Onion	0.35	General
<i>Amorpha canescens</i>	Lead Plant	12.04	General
<i>Amorpha fruticosa</i>	Indigo Bush	0.01	Wet Mesic
<i>Andropogon (Schizachyrium) scoparium</i>	Little Bluestem	15.75	General
<i>Anemone canadensis</i>	Meadow Anemone	0.03	General
<i>Anemone cylindrica</i>	Thimbleweed	1.41	General
<i>Anemone virginiana</i>	Tall Thimbleweed	0.01	General

<i>Antennaria neglecta</i>	Field Cat's Foot	0.24	General
<i>Antennaria plantaginifolia</i>	Pussy Toes	1.06	General
<i>Apocynum androsaemifolium</i>	Spreading Dogbane	0.12	General
<i>Aristida purpurascens</i>	Three-awn grass	0.46	Dry
<i>Artemisia caudata (campestris)</i>	Beech Wormwood	1.62	General
<i>Asclepias incarnata</i>	Swamp Milkweed	0.10	Wet Mesic
<i>Asclepias verticillata</i>	Whorled Milkweed	0.09	General
<i>Aster azureus (oolentangiensis)</i>	Sky-blue Aster	4.06	General
<i>Aster ericoides</i>	Heath Aster	5.64	General
<i>Aster laevis</i>	Smooth Aster	2.97	General
<i>Aster linariifolius</i>	Stiff Aster	0.94	General
<i>Aster novae-angliae</i>	New England Aster	1.61	Wet Mesic
<i>Aster oblongifolius</i>	Aromatic Aster	0.12	General
<i>Aster ptarmicoides</i>	White Aster	0.10	Dry
<i>Aster sericeus</i>	Silky Aster	2.38	General
<i>Aster umbellatus</i>	Flat-topped Aster	0.20	Wet Mesic
<i>Astragalus canadensis</i>	Canada Milk Vetch	1.23	General
<i>Baptisia leucantha</i>	White Wild Indigo	12.26	General
<i>Baptisia leucophaea</i>	Cream Wild Indigo	2.00	General
<i>Bouteloua curtipendula</i>	Side Oats Grama	0.15	General
<i>Bouteloua hirsuta</i>	Moustache Grass	0.01	Dry
<i>Cacalia atriplicifolia</i>	Pale Indian Plantain	0.88	General
<i>Carex bicknellii</i>	Bicknell's Sedge	1.76	General
<i>Carex muehlenbergii</i>	Sand Bracted Sedge (Muhlenberg's)	0.03	General
<i>Cassia fasciculata</i>	Partridge Pea	0.01	General
<i>Castilleja sessiliflora</i>	Downy Yellow Painted Cup	0.03	Dry
<i>Chrysopsis camporum (Heterotheca)</i>	Golden Prairie Aster	0.26	General
<i>Cirsium hillii</i>	Hill's Thistle	0.05	Dry
<i>Comandra umbellata</i>	False Toadflax	0.06	General
<i>Coreopsis lanceolata</i>	Sand Coreopsis	0.01	General
<i>Coreopsis palmata</i>	Prairie Coreopsis	3.79	General
<i>Coreopsis tripteris</i>	Tall Coreopsis	0.68	General
<i>Cyperus filiculmis</i>	Slender Sand Sedge	0.05	Dry
<i>Desmanthus illinoense</i>	Ill. Bundleflower	0.21	General
<i>Desmodium illinoense</i>	Illinois Tick Trefoil	0.01	General
<i>Dodecantheon meadia</i>	Shooting Star	0.12	General
<i>Echinacea pallida</i>	Pale Purple Coneflower	40.92	General
<i>Elymus canadensis</i>	Canada Wild Rye	6.35	General
<i>Equisetum hyemale affine</i>	Scouring Rush	0.01	General
<i>Eragrostis spectabilis</i>	Purple Love Grass	0.06	General
<i>Erigeron strigosus</i>	Daisy Fleabane	0.38	General
<i>Eryngium yuccifolium</i>	Rattlesnake Master	3.76	General
<i>Eupatorium altissimum</i>	Tall Boneset	0.24	General
<i>Eupatorium maculatum</i>	Spotted Joe Pye Weed	0.95	Wet Mesic
<i>Eupatorium perfoliatum</i>	Boneset	0.85	Wet Mesic
<i>Euphorbia corollata</i>	Flowering Spurge	1.94	General
<i>Gaura biennis pitcheri (longiflora)</i>	Common Gaura	0.24	General
<i>Gentiana (alba) flavida</i>	Cream Gentian	0.47	General

<i>Gentiana puberulenta</i>	Prairie Gentian	0.12	General
<i>Geum triflorum</i>	Prairie Smoke	0.01	Dry
<i>Helenium autumnale</i>	Sneezeweed	0.20	Wet Mesic
<i>Helianthemum canadense</i>	Frostweed	0.32	General
<i>Helianthus occidentalis</i>	Western Sunflower	2.50	General
<i>Helianthus rigidus (laetiflorus)</i>	Prairie Sunflower	0.03	General
<i>Heliopsis helianthoides</i>	False Sunflower	0.50	General
<i>Heuchera richardsonii grayana</i>	Alum Root	0.12	General
<i>Hieracium longipilum</i>	Hairy Hawkweed	0.01	General
<i>Juncus interior</i>	Inland Rush	0.74	General
<i>Juncus tenuis</i>	Path Rush	0.09	General
<i>Koeleria cristata (macrantha)</i>	Prairie June Grass	1.32	General
<i>Krigia biflora</i>	Two-flowered Cynthia (False Dandelion)	0.03	General
<i>Kuhnia (Brickellia ) eupatorioides</i>	False Boneset	2.79	General
<i>Lechea villosa (mucronata)</i>	Hairy Pinweed	0.03	General
<i>Lespedeza capitata</i>	Round-headed Bush Clover	6.64	General
<i>Liatris aspera</i>	Rough Blazing Star	5.75	General
<i>Liatris pycnostachya</i>	Prairie Blazing Star	0.68	General
<i>Linum sulcatum</i>	Grooved Yellow Flax	0.01	Dry
<i>Lithospermum incisum</i>	Fringed Puccoon	0.01	Dry
<i>Lobelia spicata</i>	Pale-spiked Lobelia	0.02	General
<i>Lupinus perennis</i>	Wild Lupine	0.76	General
<i>Monarda fistulosa</i>	Wild Bergamot	0.59	General
<i>Monarda punctata villicualis</i>	Horse Mint	0.18	General
<i>Oenothera biennis canescens</i>	Common Evening Primrose	0.12	General
<i>Oenothera clelandii (rhombipetala)</i>	Sand Evening Primrose	0.09	General
<i>Panicum leibergii</i>	Prairie Panic Grass	0.05	Dry
<i>Panicum oligoanthos</i>	Scribner's Panic Grass	1.32	General
<i>Panicum villosissimum</i>	White-Haired Panic Grass	0.05	Dry
<i>Panicum virgatum</i>	Prairie Switch Grass	0.24	General
<i>Parthenium integrifolium</i>	Wild Quinine	12.14	General
<i>Paspalum ciliatifolium muhlenbergii</i>	Hairy Lens Grass	0.09	General
<i>Penstemon digitalis</i>	Foxglove Beard Tongue	0.71	General
<i>Penstemon hirsutus</i>	Hairy Beard tongue	0.24	General
<i>Petalostemum (Dalea) candidum</i>	White Prairie Clover	2.97	General
<i>Petalostemum (Dalea) purpurea</i>	Purple Prairie Clover	7.82	General
<i>Polygala polygama obtusata</i>	Purple Milkwort	0.01	Dry
<i>Polygala sanguinea</i>	Field Milkwort	0.01	General
<i>Polytaenia nuttallii</i>	Prairie Parsley	0.03	General
<i>Potentilla arguta</i>	Prairie Tall Cinquefoil	1.76	General
<i>Pseudognaphalium obtusifolium</i>	Sweet Everlasting	0.24	General
<i>Pycnanthemum tenuifolium</i>	Slender Mountain Mint	2.29	General
<i>Pycnanthemum virginianum</i>	Mountain mint	2.38	Wet Mesic
<i>Ratibida pinnata</i>	Yellow Coneflower	0.09	General
<i>Rosa carolina</i>	Pasture Rose	1.35	General
<i>Rudbeckia hirta</i>	Black-eyed Susan	0.59	General
<i>Rudbeckia subtomentosa</i>	Sweet Black eyed Susan	0.97	General
<i>Scrophularia lanceolata</i>	Early Figwort	0.30	Savanna

<i>Scutellaria parvula leonardi</i>	Small Skullcap	0.01	General
<i>Senecio pauperculus</i>	Balsom Ragwort	0.32	General
<i>Silphium integrifolium</i>	Rosin Weed	1.94	General
<i>Silphium laciniatum</i>	Compass Plant	7.53	General
<i>Silphium perfoliatum</i>	Cup Plant	0.85	Wet Mesic
<i>Silphium terebinthinaceum</i>	Prairie Dock	0.88	General
<i>Sisyrinchium albidum</i>	Common Blue-eyed Grass	0.12	General
<i>Solidago (Euthamia) graminifolia</i>	Viscid Bushy Goldenrod	0.56	General
<i>Solidago grammifolia</i>	Grass-leaved Goldenrod	5.91	General
<i>Solidago missouriensis</i>	Missouri Goldenrod	0.76	General
<i>Solidago nemoralis</i>	Old Field Goldenrod	1.56	General
<i>Solidago speciosa</i>	Showy Goldenrod	0.44	General
<i>Sporobolus heterolepis</i>	Prairie Dropseed	0.97	General
<i>Stipa spartea</i>	Porcupine Grass	0.10	Dry
<i>Talinum rugospermum</i>	Sand Fameflower	0.01	Dry
<i>Tephrosia virginiana</i>	Goat's Rue	3.82	General
<i>Tradescantia ohiensis</i>	Common Spiderwort	7.85	General
<i>Triosteum aurantiacum</i>	Orange-fruited Horse Gentian	1.59	General
<i>Verbena hastata</i>	Blue Vervain	0.95	Wet Mesic
<i>Verbena stricta</i>	Hoary Vervain	2.62	General
<i>Verbena urticifolia</i>	White Vervain	1.12	General
<i>Veronicastrum virginicum</i>	Culver's Root	1.29	General
<i>Viola pedata</i>	Birdsfoot Violet	0.02	Dry
<i>Viola sagittata</i>	Arrow-leaved Violet	0.03	General
<i>Wulfenia bullii (Bessey)</i>	Kittentails	0.02	General
<i>Zizia aptera</i>	Heart-leaved Meadow Parsnip	0.21	General
<i>Zizia aurea</i>	Golden Alexander	1.59	General
Total species count = 132	Total seed weight	233.74	

Map:





Stewards Al & Mary Meier  
Photo by Kathy Neil



## 2013 Follow up notes

The following items were planted in 2013.

Scientific Name	Common Name	Total lbs
<i>Liatriis aspera</i>	Rough Blazing Star	26.65
<i>Liatriis pycnostachya</i>	Prairie Blazing Star	6.30
	Total seed weight	32.95

## 2014 Follow up notes

In November 2014, 28.4 lbs. of Little Bluestem (*Andropogon scoparium*) were overseeded on the planting.

## 2015 Follow up notes

The planting was burned for the first time in the spring of 2015. In December 2015, nearly 205 lbs of hand-picked seeds, representing 77 species were distributed over the entire planting by stewards Al and Mary Meier and Keith Kauffmann. The list of seeds is shown below:

Scientific Name	Common Name	Total lbs
<i>Allium cernuum</i>	Nodding Wild Onion	0.47
<i>Amorpha canescens</i>	Lead Plant	3.52
<i>Anemone canadensis</i>	Meadow Anemone	0.03
<i>Anemone cylindrica</i>	Thimbleweed	2.34
<i>Apocynum androsaemifolium</i>	Spreading Dogbane	0.03
<i>Artemisia caudata</i>	Beech Wormwood	3.68
<i>Asclepias syriaca</i>	Common Milkweed	1.15
<i>Aster ericoides</i>	Heath Aster	1.99
<i>Aster laevis</i>	Smooth Aster	2.40
<i>Aster novae-angliae</i>	New England Aster	0.37
<i>Aster sericeus</i>	Silky Aster	0.22
<i>Astragalus canadensis</i>	Canada Milk Vetch	1.90
<i>Baptisia leucantha</i>	White Wild Indigo	6.32
<i>Bouteloua curtipendula</i>	Side Oats Gramma	0.19
<i>Cacalia atriplicifolia</i>	Pale Indian Plantain	1.15
<i>Carex bicknellii</i>	Bicknell's sedge	4.77
<i>Carex vulpinoidea</i> & mul	Fox Sedge	0.34
<i>Chrysopsis camporum</i> ( <i>Heterotheca</i> )	Golden Prairie Aster	1.46
<i>Coreopsis palmata</i>	Prairie Coreopsis	0.84
<i>Coreopsis tripteris</i>	Tall Coreopsis	5.42
Daisy Fleabane	<i>Erigeron strigosus</i>	0.09
<i>Dodecantheon meadia</i>	Shooting Star	1.40



<i>Echinacea pallida</i>	Pale Purple Coneflower	27.95
<i>Elymus canadensis</i>	Canada Wild Rye	3.77
<i>Eryngium yuccifolium</i>	Rattlesnake Master	5.86
<i>Euphorbia corollata</i>	Flowering Spurge	1.65
<i>Gentiana (alba) flavida</i>	Cream Gentian	0.25
<i>Helianthemum canadense</i>	Common Rockrose (Frostweed)	1.18
<i>Helianthus occidentalis</i>	Western Sunflower	2.15
<i>Heliopsis helianthoides</i>	False Sunflower	2.06
<i>Juncus interior</i>	Inland Rush	1.50
<i>Koeleria cristata</i>	Prairie June Grass	6.64
<i>Kuhnia eupatorioides</i>	False Boneset	1.59
<i>Lechea tenuifolia</i>	Slender-Leaved Pinweed	0.72
<i>Lespedeza capitata</i>	Round-headed Bush Clover	9.19
<i>Liatrix aspera</i>	Rough Blazing Star	5.73
<i>Liatrix pycnostachya</i>	Prairie Blazing Star	6.14
<i>Lupinus perennis</i>	Wild Lupine	2.80
<i>Monarda fistulosa</i>	Wild Bergamot	1.84
<i>Monarda punctata villicualis</i>	Horse Mint	0.78
<i>Oenothera clelandii (rhombipetala)</i>	Sand Evening Primrose	0.50
<i>Onosmodium hispidissimum</i>	Marbleseed	0.09
<i>Parthenium integrifolium</i>	Wild Quinine	14.36
<i>Penstemon digitalis</i>	Foxglove Beard Tongue	0.90
<i>Penstemon hirsutus</i>	Hairy Beard tongue	2.15
<i>Petalostemum candidum</i>	White Prairie Clover	0.75
<i>Petalostemum purpurea</i>	Purple Prairie Clover	7.82
<i>Polytaenia nuttallii</i>	Prairie Parsley	0.06
<i>Potentilla arguta</i>	Prairie Tall Cinquefoil	1.09
<i>Pycnanthemum tenuifolium</i>	Slender Mountain Mint	4.21
<i>Pycnanthemum virginianum</i>	Mountain mint	1.12
<i>Ratibida pinnata</i>	Yellow Coneflower	0.50
<i>Rudbeckia hirta</i>	Black-eyed Susan	0.81
<i>Rudbeckia subtomentosa</i>	Sweet Black Eyed Susan	2.31
<i>Salix humilis</i>	Prairie Willow	0.12
<i>Scrophularia lanceolata</i>	Early Figwort	0.37
<i>Senecio pauperculus</i>	Balsom Ragwort	0.62
<i>Silphium integrifolium</i>	Rosin Weed	2.12
<i>Silphium laciniatum</i>	Compass Plant	5.27
<i>Silphium perfoliatum</i>	Cup Plant	1.93
<i>Silphium terebinthinaceum</i>	Prairie Dock	1.00
<i>Solidago grammifolia</i>	Grass-Leaved Goldenrod	3.77
<i>Solidago gymnospermoides</i>	Viscid Grass-leaved Goldenrod	0.41
<i>Solidago missouriensis</i>	Missouri Goldenrod	0.25
<i>Solidago nemoralis</i>	Old Field Goldenrod	2.21
<i>Solidago speciosa</i>	Showy Goldenrod	4.17
<i>Sporobolus heterolepis</i>	Prairie Dropseed	1.34
<i>Tephrosia virginiana</i>	Goat's Rue	3.02
<i>Tradescantia ohiensis</i>	Common Spiderwort	7.20

Triosteum aurantiacum	Orange-fruited Horse Gentian	0.37
Verbena hastata	Blue Vervain	3.24
Verbena stricta	Hoary vervain	2.27
Verbena urticifolia	White Vervain	2.96
Veronicaastrum virginicum	Culver's Root	1.46
Wulfenia bullii	Kittentail	0.09
Zizia aptera	Heart-leaved Meadow Parsnip	0.78
Zizia aurea	Golden Alexander	1.46
	Total seed weight	204.98

## 2016 Follow up notes

The planting was burned in March 2016. The burn was very thorough over the entire planting.

On April 1, 2016 36.15 lbs of hand-picked seeds, representing 77 species were distributed over the weedy drainage area referred to in these planting histories as Fallow Area 2. Stewards Al and Mary Meier and Keith Kauffmann spread the seed by hand shortly after the area was burned. Please refer to the **2015 Follow up notes** in this document for a complete list of the species included in that mix.