

**Title and Number of Planting:** Dot & Doug Wade Prairie 2013 Planting #109

**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 3.25 acres in size. The planting is rectangular in shape, except for an area in the northwestern corner, which follows the border of a one-quarter acre old field area near the entrance gate off of Stone Barn road. The GPS coordinates of the boundary corners are:

Southwest corner: N 41°53'40.7", W 089°21'20.1'  
Northwest corner: N 41°53'42.7", W 089°21'19.6'  
Northeast corner: N 41°53'43.1", W 089°21'11.8'  
Southeast corner: N 41°53'40.7", W 089°21'11.8'

The site is bordered by the Dot & Doug Wade Prairie 2012 Planting #106 on the south, a two-track and then a heavily wooded area (off preserve) on the southwest, an old field on the northwest, Stone Barn Road and roadside on the north, and a cornfield (future restoration) on the east.

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

Northwestern-most corner: #440B Jasper loam, 2 to 5% slopes  
Northwest corner: #363C2 Griswold loam, 5 to 10% slopes, eroded  
Western edge: #761D Eleva sandy loam, 7 to 15% slopes  
Central portion of the planting: 727B Waukee loam, 1 to 5% slopes  
Eastern edge of the planting: #223C2 Varna silt loam, 5 to 10% slopes

**Topographic Features:** The entire planting slopes from north to south, dropping approximately ten feet in elevation. The planting also slopes from both the eastern and western edges towards the middle. There is a drainage that runs north to south in this middle of the planting. A culvert feeds this drainage where the runoff from Stone Barn Road and the areas north of Stone Barn are funneled. In our prior restorations, these drainages have been subject to erosion and invasion of undesirable species. The northwest corner of the planting is on the edge of a sandy ridge.

**Site History:**

Several farm buildings once stood in what is now the northwest corner of this planting. The rest of 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 ten years.

### **Site Preparations:**

After the 2013 corn crop was harvested, steward Al Meier staked out the planting. On November 15, the crew burned the corn stubble, which burned thoroughly. Dave Crites used the Bobcat to move a large pile of rocks and concrete from the old-field area northwest of the planting. He dropped most of the rocks just south of the drainage culvert on the north central edge of the planting. It is hoped that will help prevent erosion in this drainage.

### **Seed Planting:**

Al and Mary Meier and twelve volunteers, mostly from local colleges, mixed the seeds in the Morton building on November 16. On November 25, Al planted the General seed mix on one inch of snow, which had fallen the previous day. He used a McCormick drop seeder/lime spreader pulled by a UTV. Three complete passes were made over the entire planting. On the first pass, Al used the tire tracks in the snow to direct the path of the seeder. On the subsequent passes, orange cones were used to mark the route of the seeder.

The Dry, Wet Mesic, and Step-in mixes were hand-planted on November 27 and 28 by Al and Mary, after the snow had melted. The Wet Mesic mix was spread in the drainage area mentioned in the Topographic Features section, and the Dry mix was sown in the sandy ridge area, also mentioned in the Topographic Features section. Cody Considine harrowed the planting on December 2, after it had had a chance to dry out. Al completed the final hand-planting on December 3.

### **Seed List:**

Approximately 304 pounds of seed (including chaff and stems) were planted. A total of 139 species were included. Most of the seed was hand-harvested by Alan and Mary Meier, all of it in 2013. No machine-harvested little bluestem was available this year. The bulk seed per acre average weight was 93 pounds.

Scientific Name	Common Name	Lbs.	Mix and Comments
<i>Agrimonia pubescens</i>	Soft Agrimony	0.10	50% General; 50% Wet Mesic
<i>Allium cernuum</i>	Nodding Wild Onion	0.73	General
<i>Amorpha canescens</i>	Lead Plant	12.80	80% General; 20% Step-in
<i>Anemone canadensis</i>	Meadow Anemone	0.13	Wet Mesic
<i>Anemone cylindrica</i>	Thimbleweed	1.55	General
<i>Antennaria neglecta</i>	Field Cat's Foot	0.13	General
<i>Antennaria plantaginifolia</i>	Pussy Toes	1.53	General
<i>Apocynum androsaemifolium</i>	Spreading Dogbane	0.28	General
<i>Aristida purpurascens</i>	Arrow Feather (3-awn grass)	0.28	Dry
<i>Artemisia caudata (campestris)</i>	Beech Wormwood	0.38	General
<i>Asclepias amplexicaulis</i>	Sand Milkweed	0.03	Hand plant
<i>Asclepias syriaca</i>	Common Milkweed	0.03	General
<i>Asclepias verticillata</i>	Whorled milkweed	0.68	General
<i>Aster azureus</i>	Sky-blue Aster	2.28	General
<i>Aster ericoides</i>	Heath Aster	4.48	General
<i>Aster laevis</i>	Smooth Aster	4.18	General
<i>Aster linariifolius</i>	Stiff Aster	1.95	Dry
<i>Aster novae-angliae</i>	New England Aster	0.58	General
<i>Aster oblongifolius</i>	Aromatic Aster	0.60	75% General; 25% Dry
<i>Aster ptarmicoides</i>	White Aster	0.05	Dry
<i>Aster sericeus</i>	Silky Aster	1.95	General
<i>Astragalus canadensis</i>	Canada Milk Vetch	0.75	General
<i>Baptisia leucantha</i>	White Wild Indigo	11.08	General
<i>Baptisia leucophaea</i>	Cream Wild Indigo	13.83	75% General; 25% Step-in
<i>Bouteloua curtipendula</i>	Side Oats Gramma	2.50	General
<i>Cacalia atriplicifolia</i>	Pale Indian Plantain	1.48	General
<i>Cacalia plantaginea (tuberosa)</i>	Indian Plantain	0.30	Wet Mesic
<i>Carex bicknellii</i>	Bicknell's sedge	1.60	General
<i>Carex muehlenbergii</i>	Sedge Mix	0.35	General
<i>Carex pennsylvanica</i>	Common Oak (Penn) Sedge	0.08	Step-in
<i>Carex vulpinoidea</i>	Brown Fox Sedge	0.40	Wet Mesic
<i>Cassia fasciculata</i>	Partridge Pea	0.03	Dry
<i>Castilleja sessiliflora</i>	Downy Yellow Painted Cup	0.25	Dry
<i>Chrysopsis camporum</i>	Golden Prairie Aster	0.30	General
<i>Comandra umbellata</i>	False Toadflax	0.18	General
<i>Coreopsis lanceolata</i>	Sand Coreopsis	0.08	Dry
<i>Coreopsis palmata</i>	Prairie Coreopsis	4.90	General
<i>Coreopsis tripteris</i>	Tall Coreopsis	0.90	General
<i>Cyperus filiculmis</i>	Slender Sand Sedge	0.08	Dry
<i>Danthonia spicata</i>	Poverty Oat Grass	0.45	Dry
<i>Desmodium illinoense</i>	Illinois Tick Trefoil	0.25	General
<i>Dodecantheon meadia</i>	Shooting Star	1.60	General
<i>Echinacea pallida</i>	Pale Purple Coneflower	35.15	General

<i>Elymus canadensis</i>	Canada Wild Rye	4.60	General
<i>Eragrostis spectabilis</i>	Purple Love Grass	0.30	General
<i>Erigeron strigosus</i>	Daisy Fleabane	0.48	General
<i>Eryngium yuccifolium</i>	Rattlesnake Master	3.05	50% General; 50% Wet Mesic
<i>Eupatorium altissimum</i>	Tall Boneset	0.15	General
<i>Euphorbia corollata</i>	Flowering Spurge	3.48	General
<i>Gaura biennis pitcheri</i>	Common Gaura	0.13	General
<i>Gentiana (alba) flavida</i>	Cream Gentian	0.75	General
<i>Gentiana puberulenta</i>	Prairie Gentian	0.60	67% Step-in; 33% General
<i>Geum triflorum</i>	Prairie Smoke	0.01	Dry hand plant
<i>Helianthemum canadense</i>	Common Rockrose (Frostweed)	1.45	50% General; 50% Step-in
<i>Helianthus occidentalis</i>	Western Sunflower	3.38	General
<i>Helianthus rigidus (laetiflorus)</i>	Prairie Sunflower	0.05	General
<i>Heliopsis helianthoides</i>	False Sunflower	0.98	50% General; 50% Wet Mesic
<i>Heuchera richardsonii grayana</i>	Alum Root	0.08	General
<i>Hieracium longipilum</i>	Hairy Hawkweed	0.03	Dry
<i>Houstonia longifolia</i>	Long-Leaved Bluets	0.05	Dry
<i>Hypoxis hirsuta</i>	Yellow Star Grass	0.01	Step-in
<i>Juncus interior</i>	Inland Rush	1.40	General
<i>Juncus tenuis</i>	Path Rush	0.05	General
<i>Koeleria cristata</i>	Prairie June Grass	2.75	General
<i>Krigia virginica</i>	Dwarf Dandelion	0.03	Dry
<i>Kuhnia eupatorioides</i>	False Boneset	3.60	General
<i>Lechea stricta</i>	Bushy Pinweed	0.10	50% Step-in; 50% General
<i>Lechea tenuifolia</i>	Slender-Leaved Pinweed	1.35	General
<i>Lechea villosa</i>	Hairy Pinweed	0.50	30% Step-in; 70% General
<i>Lespedeza capitata</i>	Round-headed Bush Clover	5.60	General
<i>Liatris aspera</i>	Rough Blazing Star	21.25	General
<i>Liatris cylindracea</i>	Dwarf Blazingstar	0.08	Dry
<i>Liatris pycnostachya</i>	Prairie Blazing Star	5.00	General
<i>Linaria canadensis</i>	Blue Toadflax	0.03	Dry
<i>Linum sulcatum</i>	Grooved Yellow Flax	0.01	Dry
<i>Lithospermum canescens</i>	Hoary Puccoon	0.01	Step-in
<i>Lithospermum incisum</i>	Fringed Puccoon	0.01	Dry
<i>Lobelia spicata</i>	Pale-spiked Lobelia	0.03	Step-in
<i>Lupinus perennis</i>	Wild Lupine	0.35	General
<i>Monarda fistulosa</i>	Wild Bergamot	0.80	50% General; 50% Wet Mesic
<i>Monarda punctata villicualis</i>	Horse Mint	0.30	General
<i>Oenothera clelandii</i>	Sand Evening Primrose	0.15	General
<i>Oenothera clelandii</i>	Sand Evening Primrose	0.05	General
<i>Onosmodium hispidissimum</i>	Marbleseed	0.20	60% Dry; 40% General
<i>Oxalis violacea</i>	Violet Wood Sorrel	0.04	Step-in

<i>Panicum oligosanthos</i>	Scribner's Panic Grass	0.60	General
<i>Panicum villosissimum</i>	White-Haired Panic Grass	0.08	Dry
<i>Panicum virgatum</i>	Prairie Switch Grass	0.10	General
<i>Parthenium integrifolium</i>	Wild Quinine	12.85	General
<i>Penstamon hirsutus</i>	Hairy Beard tongue	1.38	General
<i>Penstemon digitalis</i>	Foxglove Beard Tongue	0.70	General
<i>Penstemon grandiflorus</i>	Large beard-tongue	0.03	Dry
<i>Petalostemum (Dalea) candidum</i>	White Prairie Clover	1.63	General
<i>Petalostemum (Dalea) purpurea</i>	Purple Prairie Clover	15.35	General
<i>Physocarpus opulifolius</i>	Ninebark	0.18	General
<i>Polygala polygama obtusata</i>	Purple Milkwort	0.01	Dry
<i>Polygala sanguinea</i>	Field Milkwort	0.01	Step-in
<i>Polytaenia nuttallii</i>	Prairie Parsley	0.05	General
<i>Potentilla arguta</i>	Prairie Tall Cinquefoil	2.40	General
<i>Pseudognaphalium obtusifolium</i>	Sweet Everlasting	0.08	General
<i>Pycnanthemum tenuifolium</i>	Slender Mountain Mint	1.08	General
<i>Pycnanthemum virginianum</i>	Mountain mint	1.80	General
<i>Ratibida pinnata</i>	Yellow Coneflower	0.18	Wet Mesic
<i>Rosa carolina</i>	Pasture Rose	6.28	General (incl some stems)
<i>Rudbeckia hirta</i>	Black-eyed Susan	0.63	General
<i>Rudbeckia subtomentosa</i>	Sweet Black Eyed Susan	0.93	Wet Mesic
<i>Salix humilis</i>	Prairie Willow	0.20	General
<i>Schizachyrium scoparium</i>	Little Bluestem	30.25	General (hand cut)
<i>Scrophularia lanceolata</i>	Early Figwort	0.13	General
<i>Scutellaria parvula leonardi</i>	Small Skullcap	0.01	Dry
<i>Senecio pauperculus</i>	Balsom Ragwort	0.23	General
<i>Silene antirrhina</i>	Sleepy Catchfly	0.01	Dry
<i>Silphium integrifolium</i>	Rosin Weed	2.43	60% General; 40% Wet Mesic
<i>Silphium laciniatum</i>	Compass Plant	5.50	General
<i>Silphium perfoliatum</i>	Cup Plant	1.03	40% General; 60% Wet Mesic
<i>Silphium terebinthinaceum</i>	Prairie Dock	1.20	General
<i>Sisyrinchium albidum</i>	Common Blue-eyed Grass	0.10	General
<i>Solidago (Euthamia) graminifolia</i>	Viscid Bushy Goldenrod	1.40	General
<i>Solidago grammifolia</i>	Grass-Leaved Goldenrod	3.65	General
<i>Solidago missouriensis</i>	Missouri Goldenrod	0.65	General
<i>Solidago nemoralis</i>	Old Field Goldenrod	1.78	General
<i>Solidago speciosa</i>	Showy Goldenrod	0.70	General
<i>Sporobolus heterolepis</i>	Prairie Dropseed	5.53	General (cut, not stripped)
<i>Stipa spartea</i>	Porcupine Grass	0.08	Dry hand plant (800+)
<i>Talinum rugospermum</i>	Sand Farnflower	0.01	Dry
<i>Tephrosia virginiana</i>	Goat's Rue	7.70	General
<i>Tradescantia ohiensis</i>	Common Spiderwort	6.78	General

<i>Triosteum aurantiacum</i>	Orange-fruited Horse Gentian	3.45	General
<i>Venus' Looking Glass</i>	Specularia perfoliata	0.01	Dry
<i>Verbena hastata</i>	Blue Vervain	0.70	General
<i>Verbena stricta</i>	Hoary vervain	2.43	General
<i>Verbena urticifolia</i>	White Vervain	1.10	General
<i>Veronicastrum virginicum</i>	Culver's Root	2.90	General
<i>Viola pedata</i>	Birdsfoot Violet	0.04	Step-in
<i>Viola pedatifida</i>	Prairie Violet	0.10	Step-in
<i>Viola sagittata</i>	Arrow-leaved Violet	0.01	Step-in
<i>Wulfenia bullii</i>	Kittentails	0.63	General
<i>Zizia aptera</i>	Heart-leaved Meadow Parsnip	0.70	General
<i>Zizia aurea</i>	Golden Alexander	1.73	General

Total seed weight                      304.05  
Total species count                      139

In addition, 56 pounds of seed were sown in the one-quarter acre old-field area northwest of the planting and along the northern edge of the planting (between the old cornfield edge and the fence line). The following seeds were included in that mix:

<b>Scientific Name</b>	<b>Common Name</b>	<b>Lbs.</b>
<i>Baptisia leucantha</i>	White Wild Indigo	4.85
<i>Carex bicknellii, muehlenbergii, &amp; vulpinoidea</i>	Sedge Mix	1.65
<i>Echinacea pallida</i>	Pale Purple Coneflower	17.55
<i>Elymus canadensis</i>	Canada Wild Rye	0.75
<i>Eryngium yuccifolium</i>	Rattlesnake Master	0.75
<i>Helianthus occidentalis</i>	Western Sunflower	1.60
<i>Juncus interior</i>	Inland Rush	0.90
<i>Lespedeza capitata</i>	Round-headed Bush Clover	2.30
<i>Liatris aspera</i>	Rough Blazing Star	12.05
<i>Liatris pycnostachya</i>	Prairie Blazing Star	1.90
<i>Panicum virgatum</i>	Prairie Switch Grass	0.15
<i>Parthenium integrifolium</i>	Wild Quinine	11.55

**Map:**



Stewards Al & Mary Meier Photo by Dee Hudson



Seed processing workday Photo by Emmylou Studier





### **2014 Follow up notes**

In November 2014, 22.45 lbs. of Little Bluestem (*Andropogon scoparium*) were overseeded on the planting.

### **2015 Follow up notes**

In 2015 the bison fence was built along the northern edge of this planting, and the bison tunnel across Stone Barn road was installed exiting into the northcentral portion of this planting. Approximately 19 pounds of seed representing 77 species was planted in these areas in order to re-vegetate areas that were damaged due to these infrastructure projects. Please refer to the 2015 follow up notes in the Dot & Doug Prairie 2012 Planting #106 document for a listing of the 77 species included in the mix.

### **2016 Follow up notes**

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