

Planting 120, Sanders new field

2014 Planting History

High diversity planting

Prepared by Bill Kleiman 1/4/18 after I noticed the folder was empty for this planting. So this is from memory.

3 acres total

Site Conditions

Location:

General Location – located east of Lowden rd. just north of Stonebarn Road on the Sanders addition we purchased a few years before this planting.

GPS: Elevation:

County: Ogle

Soil Types Left blank

Topography

The topography is quite flat with a tiny stream draining out of the east and cutting across the south edge of the planting. It is wet enough in the SW corner to get stuck in a tractor or truck. The ground gently builds as you walk north.

Agricultural History

The site has been in row crop for some time. In 2014 the entire planting was in corn/bean rotation. I don't remember which crop was the last crop.

Site preparations

The Crops were harvested fall 2014.

I don't remember if we mowed corn stubble. My fire maps don't show a burn across this field in fall 2014 which suggests it was in soybean. If it was in corn back then we would have likely burned off the corn stubble.

Planting the seed

We planted the same seed mix as the "7 knobs unit redo" 112 planting of that year, 2014, which I paste below. We would have used the mesic and wet mixes.

SCIENTIFIC NAME	COMMON NAME	Dry - 12.7 ac lbs/acre	Mesic - 22.9 ac lbs/acre	Wet - 12.5 ac lbs/acre	Savanna 1.100
Acorus Calamus	Sweet Flag				
Actinomeris (Verbesina) alternifolia	Wingstem	0.000	0.000	0.088	

<i>Agastache scrophulariaefolia</i>	Purple Giant Hyssop	0.000	0.000	0.000	0.450
<i>Agrimonia parviflora</i>	Swamp Agrimony	0.000	0.146	0.560	
<i>Agalinis purpurea</i>	Purple false foxglove	0.000	0.009	0.040	
<i>Agalinis tenuifolia</i>	Slender False foxglove	0.000	0.000	0.340	
<i>Agrostis hymenalis</i>	Tickle Grass	0.000	0.000	0.000	
<i>Alisma subcordatum</i> (<i>Plantagoaquatica amer.</i>)	Common Water Plantain	0.000	0.000	0.032	
<i>Allium cernuum</i>	Nodding Wild Onion	0.000	0.522	0.000	
<i>Amphicarpa bracteata comesa</i>	Lowland hog peanut	0.000	0.000	0.000	
<i>Amelanchier humilis</i>	Serviceberry	0.000	0.000	0.000	
<i>Amelanchier leavis</i>	Allegheny Shadblow	0.000	0.000	0.000	
<i>Amorpha canescens</i>	Leadplant	2.362	1.310	0.000	
<i>Amorpha fruticosa</i>	Indigo Bush	0.000	0.000	0.000	
<i>Andropogon gerardii</i>	Big Bluestem; Turkeyfoot	0.000	0.000	0.000	
<i>Schizachyrium scoparium</i>	Little Bluestem	0.000	0.000	0.000	
<i>Angelica grandifolia</i>	Great Angelica	0.000	0.000	0.000	
<i>Anemone canadensis</i>	Meadow Anemone	0.000	0.022	0.008	
<i>Anemone caroliniana</i>	Caroline Anemone	0.000	0.000	0.000	
<i>Anemone cylindrica</i>	Thimbleweed	0.000	0.000	0.000	
<i>Anemone patens</i> (<i>Pulsatilla p.</i>)	Pasque Flower	0.000	0.000	0.000	
<i>Anemone quinquefolia</i>	Wood Anemone	0.000	0.000	0.000	
<i>Anemone virginiana</i>	Tall Thimbleweed	0.000	0.000	0.000	
<i>Angelica atropurpurea</i>	Alexander's Angelica; Great Angelica	0.000	0.000	0.000	
<i>Antennaria neglecta</i>	Field Cat's Foot	0.000	0.000	0.000	
<i>Antennaria plantaginifolia</i>	Pussy Toes (Everlasting)	0.709	0.000	0.000	2.550
<i>Apocynum androsaemifolium</i>	Spreading Dogbane	0.000	0.000	0.000	
<i>Apocynum cannabinum</i> (X medium)	Dogbane (Indian Hemp)	0.031	0.087	0.000	
<i>Apocynum sibiricum</i>	Prairie Indian Hemp	0.000	0.000	0.000	
<i>Aquilegia canadensis</i>	Wild Columbine	0.000	0.000	0.000	
<i>Arenaria (Minuartia) stricta</i>	Stiff Sandwort	0.000	0.000	0.000	
<i>Arenaria (Moehringia) lateriflora</i>	Wood Sandwort	0.000	0.000	0.000	
<i>Arisaema dracontium</i>	Green dragon	0.000	0.000	0.000	
<i>Arisaema triphyllum</i> (<i>atrorubens</i>)	Jack-in-the-Pulpit	0.000	0.000	0.000	
<i>Aristida longiseta</i>	3 awn grass	0.945	0.000	0.000	
<i>Aristida purpurascens</i>	Arrow Feather	0.000	0.000	0.000	
<i>Aronia (Pyrus) prunifolia</i> (<i>melanocarpa</i>)	Black Chokeberry	0.000	0.000	0.000	
<i>Artemisia caudata</i> (<i>campestris</i>)	Beach Wormwood	1.181	0.487	0.000	
<i>Asclepias amplexicaulis</i>	Sand Milkweed	0.000	0.000	0.000	
<i>Asclepias hirtella</i>	Hairy / tall Green Milkweed	0.000	0.000	0.000	

<i>Asclepias incarnata</i>	Swamp Milkweed	0.000	0.000	0.076	
<i>Asclepias lanuginosa</i> **	Woolly Milkweed	0.000	0.000	0.000	
<i>Asclepias purpurascens</i>	Purple Milkweed	0.000	0.000	0.000	
<i>Asclepias syriaca</i>	Common Milkweed	0.049	0.027	0.000	
<i>Asclepias tuberosa interior</i>	Butterfly Weed	0.000	0.000	0.000	
<i>Asclepias verticillata</i>	Whorled Milkweed	0.236	1.150	0.000	
<i>Asclepias hirtella</i>		0.000	0.000	0.000	
<i>Asclepias sullivantii</i>	Prairie Milkweed	0.000	0.000	0.000	
<i>Asclepias viridiflora</i>	Short Green Milkweed	0.000	0.000	0.000	
<i>Aster azureus</i> (oolentangiensis)	Sky-blue Aster	0.472	0.044	0.000	0.800
<i>Aster ericoides</i> (prostratus)	Heath Aster	1.575	0.131	0.000	
<i>Aster furcatus</i> ***	Forked Aster	0.000	0.000	0.000	
<i>Aster laevis</i>	Smooth (Blue) Aster	0.000	1.469	0.000	
<i>Aster lateriflorus</i>	Calico (Starved) Aster	0.000	0.000	0.000	
<i>Aster linariifolius</i>	Stiff Aster (Flax-Leaved)	0.287	0.000	0.000	
<i>Aster novae-angliae</i>	New England Aster	0.000	0.000	0.000	
<i>Aster oblongifolius</i>	Aromatic Aster	0.409	0.000	0.000	
<i>Aster ontarionis</i> (missouriensis)	Ontario Aster	0.000	0.000	0.000	
<i>Aster pilosus</i>	Hairy Aster	0.000	0.000	0.000	
<i>Aster praealtus</i>	Willow Aster	0.000	0.000	0.000	
<i>Aster ptarmicoides</i>	White Aster (Stiff Aster)	0.028	0.000	0.000	
<i>Aster puniceus</i>	Swamp (Purple-stemmed) Aster	0.000	0.000	0.000	
<i>Aster puniceus firmus</i> (?)	Shining Aster	0.000	0.000	0.000	
<i>Aster sagittifolius drummondii</i>	Drummond's Aster	0.000	0.000	0.000	
<i>Aster sericeus</i>	Silky Aster	0.709	0.105	0.000	
<i>Aster shortii</i>	Short's Aster	0.000	0.000	0.000	
<i>Aster umbellatus</i>	Flat-topped Aster	0.000	0.000	0.144	
<i>Astragalus canadensis</i>	Canadian Milk Vetch	0.000	0.000	0.000	
<i>Athyrium filix-femina michauxii</i> (angustum)	Lady Fern	0.000	0.000	0.000	
<i>Aureolaria</i> (Gerardia) <i>grandiflora pulchra</i>	Yellow False Foxglove	0.000	0.000	0.000	
<i>Aureolaria</i> (Gerardia) <i>pedicularia ambigens</i>	Clammy False Foxglove	0.000	0.000	0.000	
<i>Baptisia leucantha</i>	White Wild Indigo	6.850	3.799	0.000	
<i>Baptisia leucophaea</i>	Cream Wild Indigo	0.535	0.437	0.000	
<i>Bidens comosa</i> (tripartia)	Swamp Tickseed	0.000	0.000	0.056	
<i>Boltonia latisquama</i> ** (asteroides)	False Aster	0.000	0.000	0.944	
<i>Botrychium virginianum</i>	Rattlesnake Fern	0.000	0.000	0.000	
<i>Bouteloua curtipendula</i>	Side-Oats Grama	0.768	0.000	0.000	
<i>Bouteloua hirsuta</i>	Hairy Grama	0.114	0.000	0.000	

<i>Brachyelytrum erectum</i>	long awned wood grass	0.000	0.000	0.000	2.250
<i>Bromus kalmii</i>	Prairie brome	0.000	0.000	0.000	
<i>Cacalia atriplicifolia</i>	Pale Indian Plantain	0.315	0.441	0.000	
<i>Cacalia plantaginea (tuberosa)</i>	Indian Plantain	0.000	0.011	0.008	
<i>Cacalia suaveolens</i>	Sweet-scented Indian Plantain	0.000	0.000	0.332	
<i>Calamagrostis canadensis</i>	Blue Joint Grass	0.000	0.000	0.000	
<i>Callirhoe triangulata</i>	Clustered Poppy Mallow	0.000	0.000	0.000	
<i>Caltha palustris</i>	Marsh Marigold	0.000	0.000	0.000	
<i>Carex annectens xanthocarpa</i>	Small Yellow Fox Sedge	0.000	0.000	0.000	
<i>Carex bicknellii</i>	Copper-shouldered oval Sedge	4.094	0.286	0.000	
<i>Carex blanda</i>	Common wood sedge	0.000	0.000	0.000	
<i>Carex hystencinia</i>		0.000	0.000	0.000	
<i>Carex haydenii (stricta)</i>	Long-scaled Tussock sedge	0.000	0.000	0.000	
<i>Carex medeii</i>	Meads sedge	0.000	0.000	0.000	
<i>Carex muhlenbergii (enervis)</i>	Sand Bracted Sedge (Muhlenberg's)	0.118	0.046	0.000	
<i>Carex normalis</i>	Spreading Oval sedge	0.000	0.000	0.000	
<i>Carex pellita (lanuginosa)</i>	Broad-leaved Woolly Sedge	0.000	0.000	0.000	
<i>Carex pennsylvanica</i>	Common Oak (Penn) Sedge	0.000	0.000	0.000	
<i>Carex richardsonii</i>	Prairie Hummock sedge	0.000	0.000	0.000	
<i>Carex Springelii</i>	Long-beaked sedge	0.000	0.000	0.000	0.010
<i>Cares spp.</i>		0.000	0.000	0.000	
<i>Carex stipata</i>	Common Fox Sedge	0.000	0.000	0.000	
<i>Carya ovata</i>	shag bark hickory	0.000	0.000	0.000	
<i>Carex scopana</i>		0.000	0.000	0.000	
<i>Carex stipata</i>		0.000	0.000	0.000	
<i>Carex stricta</i>	Tussock Sedge	0.000	0.000	0.000	
<i>Carex vulpoides</i>		0.000	0.000	0.000	
<i>Cassia fasciculata</i>	Partridge Pea	0.315	0.306	0.000	
<i>Cassia hebecarpa</i>	Wild Senna	0.000	0.000	0.280	
<i>Cassia nictitans</i>	Wild sensitive plant	0.000	0.000	0.000	
<i>Castilleja sessiliflora **</i>	Downy Yellow Painted Cup	0.583	0.044	0.000	
<i>Ceanothus americanus</i>	New Jersey Tea	0.008	0.000	0.000	
<i>Cephalanthus occidentalis</i>	Buttonbush	0.000	0.000	0.672	
<i>Chelone glabra</i>	Turtlehead	0.000	0.002	0.024	
<i>Chrysopsis camporum (Heterotheca)</i>	Golden Prairie Aster	0.213	0.044	0.000	
<i>Cinna arundinacea</i>	Common Wood Reed	0.000	0.000	0.000	
<i>Circaea lutetiana canadensis</i>	Enchanter's Nightshade	0.000	0.000	0.000	
<i>Cirsium discolor</i>	Pasture Thistle	0.000	0.000	0.000	

<i>Cirsium hillii</i> *** (<i>pumilum</i>)	Hill's Thistle	0.000	0.000	0.000	
<i>Cirsium muticum</i>	Swamp Thistle	0.000	0.000	0.008	
<i>Claytonia virginica</i>	Spring Beauty	0.000	0.000	0.000	
<i>Clematis virginiana</i>	Virgin's Bower	0.000	0.000	0.000	
<i>Comandra umbellata</i> (<i>richardsiana</i>)	False Toadflax	0.000	0.000	0.000	
<i>Convolvulus</i> (<i>Calystegia</i>) <i>sepium</i>	Hedge Bindweed	0.000	0.000	0.000	
<i>Coreopsis lanceolata</i>	Sand Coreopsis	0.457	0.000	0.000	
<i>Coreopsis palmata</i>	Prairie Coreopsis	0.630	0.199	0.000	
<i>Coreopsis tripteris</i>	Tall Coreopsis	0.787	1.144	0.400	
<i>Corylus americana</i>	American Hazelnut	0.000	0.000	0.000	
<i>Cuscuta campestris</i>	field dodder	0.000	0.000	0.000	
<i>Crataegus</i> sp	Hawthorn	0.000	0.000	0.000	
<i>Cyperus filiculmis</i>	Slender Sand Sedge	0.135	0.000	0.000	
<i>Danthonia spicata</i>	Poverty Oat Grass	0.157	0.000	0.000	
<i>Desmanthus illinoensis</i>	Ill. Bundle Flower	0.000	0.000	0.000	
<i>Desmodium canadense</i>	Showy Tick Trefoil	0.000	0.000	0.000	
<i>Desmodium glutinosum</i>	Pointed Tick Trefoil	0.000	0.000	0.000	0.150
<i>Desmodium illinoense</i>	Ill. Tick Trefoil	0.024	0.000	0.000	
<i>Dicentra cucullaria</i>	Dutchman's Breeches	0.000	0.000	0.000	
<i>Diarrhena americana</i>	beak grass	0.000	0.000	0.000	
<i>Dodecatheon meadia</i>	Shooting Star	0.425	0.000	0.000	0.100
<i>Echinacea pallida</i>	Pale Purple Coneflower	9.587	2.620	0.000	
<i>Echinocystis lobata</i>	Wild Cucumber	0.000	0.000	0.000	
<i>Elymus canadensis</i>	Prairie Wild Rye	1.941	1.048	0.000	
<i>Elymus riparius</i>	Riverbank Wild Rye	0.000	0.000	0.000	
<i>Elymus villosus</i>	Silky Wild Rye	0.000	0.000	0.000	
<i>Elymus virginicus</i>	Va. Wild Rye	0.000	0.000	0.000	1.200
<i>Epilobium coloratum</i>	Cinnamon Willow Herb	0.000	0.000	0.036	
<i>Eragrostis spectabilis</i>	Purple Love Grass	0.272	0.000	0.000	
<i>Erechtites hieracifolia</i>	Fireweed	0.000	0.028	0.050	
<i>Erigeron annuus</i>	Annual Fleabane	0.000	0.000	0.000	
<i>Erigeron philadelphicus</i>	Marsh Fleabane	0.000	0.000	0.000	
<i>Erigeron strigosus</i>	Daisy Fleabane	0.823	0.218	0.000	
<i>Eryngium yuccifolium</i>	Rattlesnake Master	0.000	3.930	1.920	
<i>Eupatorium altissimum</i>	Tall Boneset	0.236	0.190	0.080	
<i>Eupatorium maculatum</i>	Spotted Joe Pye Weed	0.000	0.000	1.068	
<i>Eupatorium perfoliatum</i>	Boneset	0.000	0.437	0.384	
<i>Eupatorium purpureum</i>	Purple Joe-Pye Weed	0.000	0.000	0.080	2.000
<i>Eupatorium rugosum</i>	White Snakeroot	0.000	0.000	0.000	

<i>Eupatorium serotinum</i>	Late Boneset	0.000	0.000	0.000	
<i>Euphorbia corollata</i>	Flowering Spurge	1.260	0.105	0.000	
<i>Festuca obtusa</i> (subverticillata)	Nodding Fescue	0.000	0.000	0.000	0.450
<i>Filipendula rubra</i> **	Queen-of-the-Prairie	0.000	0.000	0.000	
<i>Galium borale</i>	Northern Bedstraw	0.000	0.105	0.192	
<i>Gaura biennis</i> pitcheri (longiflora)	Common Gaura	0.185	0.100	0.000	
<i>Gentiana</i> (alba) flavida	Cream Gentian	0.000	0.961	0.416	
<i>Gentiana</i> (Gentianopsis) crinita	Fringed Gentian	0.000	0.022	0.140	
<i>Gentiana andrewsii</i>	Bottle (or Closed) Gentian	0.000	0.044	0.280	
<i>Gentiana purberulenta</i>	Prairie Gentian	0.016	0.007	0.000	
<i>Gentiana saponaria</i>	Soapwort Gentian	0.000	0.000	0.000	
<i>Geranium maculatum</i>	Wild Geranium	0.000	0.000	0.000	
<i>Geum aleppicum</i> strictum	Yellow Avens	0.000	0.000	0.000	
<i>Geum canadense</i>	White Avens; Wood Avens	0.000	0.000	0.000	
<i>Geum triflorum</i>	Prairie Smoke (Long-plumed Purple Avens)	0.001	0.000	0.000	
<i>Gnaphalium obtusifolium</i>	Sweet Everlasting (Old-Field Balsam)	0.220	0.000	0.000	
<i>Habenaria leucophea</i>	E. Prairie Fringed Orchid	0.000	0.000	0.000	
<i>Hedoma hispida</i>	Rough Pennyroyal	0.000	0.000	0.000	
<i>Helenium autumnale</i>	Sneezeweed	0.000	0.087	0.876	
<i>Helianthemum bicknellii</i>	Rock Rose	0.028	0.000	0.000	0.350
<i>Helianthemum canadense</i>	Common Rockrose (Frostweed)	0.748	0.000	0.000	2.400
<i>Helianthus divaricatus</i>	Woodland Sunflower	0.000	0.000	0.132	
<i>Helianthus grosseserratus</i>	Sawtooth Sunflower	0.000	0.031	0.000	
<i>Helianthus hirsutus</i>	Hispid sunflower	0.000	0.000	0.000	
<i>Helianthus mollis</i>	Hairy Sunflower	0.000	0.000	0.000	
<i>Helianthus occidentalis</i>	Western Sunflower; Naked S.	1.220	0.655	0.000	
<i>Helianthus rigidus</i> (laetiflorus)	Prairie Sunflower	0.197	0.022	0.000	
<i>Helianthus</i> spp.	Sunflower Woods	0.000	0.000	0.000	
<i>Helianthus tuberosus</i>	Jerusalem Artichoke	0.000	0.000	0.000	
<i>Heliopsis helianthoides</i>	False Sunflower; " Ox-eye "	0.063	0.013	0.000	
<i>Hepatica acutiloba</i>	Sharp-lobed Hepatica	0.000	0.000	0.000	
<i>Heuchera richardsonii</i> grayana	Rough Heuchera; Alum root	0.012	0.000	0.000	0.050
<i>Hibiscus palustris</i>	Swamp Rose Mallow	0.000	0.000	0.000	
<i>Hieracium gronovii</i>	Hairy Hawkweed	0.000	0.000	0.000	
<i>Hieracium longipilum</i>	Long-Bearded Hawkweed	0.020	0.000	0.000	
<i>Hieracium scabrum</i>	Rough Hawkweed	0.000	0.000	0.000	0.010
<i>Hierochloa odorata</i>	Sweet or Vanilla Grass	0.000	0.000	0.000	
<i>Houstonia</i> (Hedyotis) longifolia (canadense)	Long-Leaved Bluets	0.000	0.000	0.000	

<i>Humulus lupulus</i>	Common Hop	0.000	0.000	0.000	
<i>Hypericum mutilum</i>	Weak St. Johnswort	0.000	0.000	0.008	
<i>Hypericum majus</i>	Sand St. Johnswort	0.000	0.000	0.000	
<i>Hypericum punctatum</i>	Spotted St. Johnswort	0.000	0.000	0.000	
<i>Hypericum pyramidatum</i>	Great St. Johnswort	0.000	0.087	0.064	
<i>Hypericum spaerocarpum</i>	Round-fruited St. Johnswort	0.000	0.000	0.000	
<i>Hypoxis hirsuta</i>	Yellow Star Grass	0.000	0.000	0.000	
<i>Hystrix patula</i> (<i>Elymus hystrix</i>)	Bottlebrush Grass	0.000	0.000	0.000	1.300
<i>Impatiens capensis</i> (<i>biflora</i>)	Spotted Touch-Me-Not (Jewelweed)	0.000	0.000	0.000	
<i>Impatiens pallida</i>	Pale Touch-Me-Not (Jewelweed)	0.000	0.000	0.000	
<i>Iris versicolor</i>	tall blue flag iris	0.000	0.000	0.000	
<i>Iris virginica shrevei</i>	Blue Flag	0.000	0.000	0.000	
<i>Juglans Cinerea</i>	butternut	0.000	0.000	0.000	1.400
<i>Isanthus (Trichostema) brachiatus</i> (m)	False Pennyroyal	0.000	0.000	0.000	
<i>Juncus dudleyi</i>	Dudley's Rush	0.000	0.000	0.000	
<i>Juncus greenei</i>	Greene's Rush	0.000	0.000	0.000	
<i>Juncus interior</i>	Inland Rush	0.224	0.242	0.000	
<i>Juncus tenuis</i>	Path Rush	0.000	0.000	0.000	
<i>Juncus torreyi</i>	Torrey's Rush	0.000	0.013	0.012	
<i>Koeleria cristata (macrantha)</i>	Prairie June Grass	2.362	1.310	0.000	
<i>Krigia biflora</i>	Two-flowered Cynthia (False Dandelion)	0.000	0.000	0.000	
<i>Krigia virginica</i>	Dwarf Dandelion	0.000	0.000	0.000	
<i>Kuhnia (Brickellia) eupatoroides</i> <i>corymbulosa</i>	False Boneset	0.980	0.172	0.000	
<i>Lactuca canadensis</i>	Wild Lettuce	0.000	0.000	0.000	
<i>Lactuca floridana</i>	Blue Lettuce	0.000	0.000	0.000	
<i>Leachea minor</i>		0.000	0.000	0.000	
<i>Lechea stricta</i>	Bushy Pinweed	0.000	0.000	0.000	
<i>Lechea tenuifolia</i>	Slender-Leaved Pinweed	0.122	0.000	0.000	0.200
<i>Lechea villosa (mucronata)</i>	Hairy Pinweed	0.110	0.066	0.000	0.200
<i>Leersia oryzoides</i>	Rice Cut Grass	0.000	0.000	0.000	
<i>Leptoloma cognatum</i>	Fall Witch Grass	0.000	0.000	0.000	
<i>Lespedeza capitata</i> --	Round-headed Bush Clover	6.402	3.550	0.000	
<i>Lespedeza leptostachya</i> ****	Prairie Bush Clover	0.000	0.000	0.000	
<i>Liatris aspera</i>	Rough Blazing-star (Rough Gayfeather)	5.453	1.397	0.000	
<i>Liatris cylindracea</i>	Dwarf Blazingstar	0.008	0.000	0.000	
<i>Liatris pycnostachya</i>	Tall Gayfeather; Prairie Blazing Star	0.000	1.727	0.660	

<i>Lilium michiganense</i>	Turk's Cap lily	0.008	0.013	0.000	
<i>Lilium philadelphicum andinum</i>	Prairie Lily; Wood Lily; Western Lily	0.000	0.000	0.000	
<i>Linaria canadensis</i>	Blue Toadflax	0.000	0.000	0.000	
<i>Linum sulcatum</i>	Groved Yellow Flax	0.000	0.000	0.000	
<i>Lithospermum croceum</i>	Hairy Puccoon	0.001	0.000	0.000	
<i>Lithospermum canescens</i>	Hoary Puccoon	0.000	0.000	0.000	
<i>Lithospermum incisum</i>	Fringed (Narrow-leaved) Puccoon	0.071	0.004	0.000	
<i>Lobelia cardinalis</i>	Cardinal Flower	0.000	0.000	0.000	
<i>Lobelia inflata</i>	Indian Tobacco	0.000	0.000	0.000	
<i>Lobelia siphilitica</i>	Great Lobelia	0.000	0.000	0.124	
<i>Lobelia spicata</i>	Pale-spike Lobelia	0.000	0.004	0.000	
<i>Lonicera prolifera</i>	Yellow Honeysuckle	0.000	0.000	0.000	
<i>Ludwigia alternifolia</i>	Seed Box	0.000	0.000	0.000	
<i>Lupinus perennis</i>	Wild Lupine	0.035	0.000	0.000	2.500
<i>Lycopus americanis</i>	common horehound	0.000	0.000	0.008	
<i>Lysimachia ciliata</i>	Fringed Loosestrife	0.000	0.000	0.000	
<i>Lysimachia lanceolata</i>	Lance-Leaved Loosestrife	0.000	0.000	0.000	
<i>Lysimachia quadriflora</i>	Narrow-Leaved (Whorled) Loosestrife	0.000	0.004	0.060	
<i>Lysimachia thrysiflora</i>	Tufted Loosestrife	0.000	0.000	0.000	
<i>Lythrum alatum</i>	Winged Loosestrife	0.000	0.000	0.000	
<i>Malus ioensis</i>	Iowa Crab	0.000	0.000	0.000	
<i>Menispermum canadense</i>	Moonseed	0.000	0.000	0.000	
<i>Mertensia virginica</i>	Virginia Bluebells	0.000	0.000	0.000	
<i>Mimulus glabratus fremontii</i> **	Yellow Monkey Flower	0.000	0.000	0.000	
<i>Mimulus ringens</i>	Monkey Flower	0.000	0.003	0.006	
<i>Monarda fistulosa</i>	Wild Bergamot	0.157	0.131	0.033	
<i>Monarda punctata villicualis</i>	Horse Mint	0.370	0.000	0.000	
<i>Napaea dioica</i>	Glade Mallow	0.000	0.087	0.032	
<i>Oenothera biennis canescens</i>	Common Evening Primrose	0.079	0.234	0.000	
<i>Oenothera clelandii (rhombipetala)</i>	Sand Evening Primrose	0.000	0.000	0.000	
<i>Onoclea sensibilis</i>	Sensitive Fern	0.000	0.000	0.000	
<i>Onosmodium hispidissimum</i>	Marbleseed	0.047	0.009	0.000	1.200
<i>Opuntia humifusa (compressa)</i>	Prickly Pear Cactus	0.008	0.000	0.000	
<i>Orchis (Galearis) spectabilis</i>	Showy Orchis	0.000	0.000	0.000	
<i>Osmorhiza claytonii</i>	Hairy Sweet Cicely	0.000	0.000	0.000	
<i>Osmorhiza longistylis</i>	Smooth Sweet Cicely	0.000	0.000	0.000	
<i>Osmunda claytoniana</i>	Interrupted Fern	0.000	0.000	0.000	
<i>Oxalis stricta (dillenii)</i>	Yellow Wood Sorrel	0.000	0.000	0.000	

<i>Oxalis violacea</i>	Violet Wood-sorrel	0.059	0.000	0.000
<i>Oxypolis rigidor</i>	Cowbane	0.000	0.000	0.000
<i>Panicum implicatum (languinosa)</i>	Old-field Panic Grass	0.000	0.000	0.000
<i>Panicum latifolium (boscii)</i>	Braod-leaved Panic Grass	0.000	0.000	0.000
<i>Panicum leibergii</i>	Prairie Panic Grass	0.002	0.001	0.000
<i>Panicum lindheimeri</i>	Smooth Wolly Panic Grass	0.000	0.000	0.000
<i>Panicum oligosanthos scribneria</i>	Scribner's Panic Grass	0.394	0.000	0.000
<i>Panicum perlongum</i>	Long-stalked Panic Grass	0.001	0.000	0.000
<i>Panicum villosissimum</i>	White-Haired Panic Grass	0.701	0.000	0.000
<i>Panicum virgatum</i>	Prairie Switch Grass	0.051	0.061	0.000
<i>Parnassia glauca</i>	Grass of parnassus	0.000	0.000	0.000
<i>Parthenium integrifolium</i>	Wild Quinine (Feverfew)	5.433	0.616	0.000
<i>Paspalum ciliatifolium muhlenbergii</i>	Hairy Lens Grass	0.142	0.000	0.000
<i>Pedicularis canadensis</i>	Wood Betony	0.031	0.017	0.000
<i>Pedicularis lanceolata</i>	Fen (Swamp) Betony; Lousewort	0.000	0.007	0.560
<i>Penthorum sedoides</i>	Ditch Stone crop	0.000	0.000	0.000
<i>Penstemon digitalis</i>	Foxglove Beardtongue	0.059	0.262	0.000
<i>Penstemon grandiflorus</i>	Large Flowered Beardtongue	0.012	0.000	0.000
<i>Penstemon hirsutus</i>	Hairy Beard tongue	0.106	0.000	0.000
<i>Penstemon pallidus</i>	Pale Beard Tongue	0.000	0.000	0.000
<i>Petalostemum (Dalea) candidum</i>	White Prairie Clover	2.134	2.368	0.000
<i>Petalostemum (Dalea) purpureum</i>	Purple Prairie Clover	6.551	2.135	0.000
<i>Phlox bifida</i>	Sand Phlox	0.000	0.000	0.000
<i>Phlox divaricata</i>	Woodland Phlox (Blue Phlox)	0.000	0.000	0.000
<i>Phlox maculata</i>	Sweet William Phlox	0.000	0.000	0.000
<i>Phlox pilosa</i>	Prairie phlox	0.021	0.012	0.000
<i>Phyrma leptostachya</i>	Lopseed	0.000	0.000	0.000
<i>Physocarpus opulifolius</i>	Ninebark	0.000	0.072	0.000
<i>Physostegia virginiana arenaria</i>	Prairie Obedient Plant	0.000	0.000	0.000
<i>Polemonium reptans</i>	Jacob's Ladder	0.000	0.000	0.000
<i>Polygala incarnata **</i>	Pink Milkwort	0.000	0.000	0.000
<i>Polygala polygama obtusata</i>	Purple Milkwort	0.047	0.000	0.000
<i>Polygala sanguinea</i>	Field Milkwort	0.000	0.004	0.000
<i>Polygala verticillata isocycla</i>	Short Whorled Milkwort	0.000	0.000	0.000
<i>Polygonatum canaliculatum (commutatum)</i>	Smooth Solomon's Seal	0.000	0.000	0.000
<i>Polygonum tenue</i>	Slender Knotweed	0.000	0.000	0.000
<i>Polypodium virginianum (vulgare)</i>	Polypody	0.000	0.000	0.000
<i>Polytaenia nuttallii</i>	Prairie Parsley	0.000	0.000	0.000

<i>Potentilla arguta</i>	Prairie Cinquefoil	0.079	0.210	0.000	
<i>Prenanthes aspera</i>	rough white lettuce	0.000	0.000	0.000	
<i>Prunus americana</i>	Wild Plum	0.024	0.011	0.000	0.050
<i>Ptelea trifoliata</i>	Wafer Ash, Hop Tree	0.000	0.000	0.000	
<i>Pycnanthemum tenuifolium</i>	Narrow-leaved Mountain Mint	0.000	0.000	0.000	
<i>Pycnanthemum virginianum</i>	Mountain mint (Prairie Hyssop)	0.394	1.266	1.200	
<i>Quercus alba</i>	White Oak	0.000	0.000	0.000	
<i>Quercus coccinea (ellipsoidalis)</i>	Scarlet Oak	0.000	0.000	0.000	
<i>Quercus macrocarpa</i>	Bur Oak	0.000	0.000	0.000	
<i>Quercus rubra</i>	Red Oak	0.000	0.000	0.000	
<i>Quercus velutina</i>	Black Oak	0.000	0.000	0.000	0.200
<i>Ratibida pinnata</i>	Yellow Coneflower	0.000	0.000	0.000	
<i>Rhexia virginica</i>	Meadow Beauty	0.000	0.000	0.000	
<i>Rhus aromatica</i>	fragrant sumac	0.039	0.000	0.000	0.200
<i>Rhus glabra</i>	Smooth Sumac	0.000	0.000	0.000	
<i>Rosa blanda</i>	Early wild Rose	0.000	0.000	0.000	
<i>Rosa carolina</i>	Pasture Rose	0.551	0.183	0.000	
<i>Rudbeckia hirta</i>	Black-eyed Susan	0.118	0.218	0.000	
<i>Rudbeckia laciniata</i>	Wild Golden Glow	0.000	0.000	0.000	
<i>Rudbeckia subtomentosa</i>	Sweet Blackeyed Susan	0.079	0.262	0.080	0.750
<i>Ruellia humilis</i>	Wild Petunia	0.067	0.000	0.000	
<i>Rumex orbiculatus</i>	Great Water dock	0.000	0.000	0.200	
<i>Salix humilis</i>	Prairie Willow	0.000	0.000	0.000	
<i>Sambucus canadensis</i>	Elderberry	0.000	0.000	0.008	
<i>Saxifraga pennsylvanica</i>	Swamp Saxifrage	0.000	0.000	0.000	
<i>Scirpus atrovirens</i>	Dark Green Rush	0.000	0.000	0.000	
<i>Scirpus cyperinus</i>	Wool Grass	0.000	0.000	0.000	
<i>Scirpus fluviatilis</i>	River Bulrush	0.000	0.000	0.000	
<i>Scirpus validus creber (tabernaemontanii)</i>	Great Bulrush	0.000	0.000	0.000	
<i>Scrophularia lanceolata</i>	Early figwort	0.000	0.000	0.000	2.200
<i>Scrophularia marilandica</i>	Late Figwort	0.000	0.000	0.000	
<i>Scutellaria lateriflora</i>	Mad-dog Skullcap	0.000	0.000	0.000	
<i>Scutellaria ovata versicolor</i>	Heart-leaved Skullcap	0.000	0.000	0.000	
<i>Scutellaria parvula leonardi</i>	Small Skullcap	0.000	0.000	0.000	
<i>Selaginella rupestris</i>	Sand Club moss	0.000	0.000	0.000	
<i>Senecio pauperculus</i>	Balsam Ragwort	0.000	0.131	0.044	
<i>Senecio plattensis</i>	Prairie Ragwort	0.000	0.000	0.000	
<i>Sicyos angulatus</i>	Bur Cucumber	0.000	0.000	0.000	

<i>Silene antirrhina</i>	Sleepy Catchfly	0.000	0.000	0.000	
<i>Silene stellata</i>	Starry Champion	0.000	0.007	0.000	1.000
<i>Silphium integrifolium</i>	Rosinweed	0.000	2.031	0.000	
<i>Silphium integrifolium deamii</i>	Rosinweed	0.000	0.000	0.000	
<i>Silphium laciniatum</i>	Compass plant	1.917	1.083	0.000	
<i>Silphium perfoliatum</i>	Cup-plant	0.000	0.238	0.436	
<i>Silphium terebinthaceum</i>	Prairie Dock	0.378	0.448	0.000	
<i>Sisyrinchium albidum</i>	Common Blue-eyed Grass	0.079	0.017	0.000	
<i>Sisyrinchium angustifolium</i>	Narrow-leaved Blue-eyed Grass	0.000	0.000	0.000	
<i>Smilacina stellata</i>	Starry False Solomons plume	0.000	0.000	0.000	
<i>Smilacina racemosa</i>	Solomons Plume	0.000	0.000	0.000	
<i>Solidago (Euthamia) graminifolia</i>	Viscid Bushy Goldenrod	0.000	0.000	0.000	
<i>Solidago (Euthamia) graminifolia nuttallii</i>	Grass-leaved Goldenrod	0.000	0.000	1.060	
<i>Solidago (Euthamia) gymnospermoides</i>	Viscid Grass-leaved Goldenrod	2.969	0.502	0.000	
<i>Solidago missouriensis fasciculata</i>	Missouri Goldenrod	2.252	0.537	0.000	
<i>Solidago nemoralis</i>	Gray Goldenrod; Oldfield	1.575	0.814	0.000	
<i>Solidago ohioensis</i>	Ohio Goldenrod	0.000	0.000	0.000	
<i>Solidago patula</i>	Swamp Goldenrod	0.000	0.000	0.336	
<i>Solidago riddellii</i>	Riddell's goldenrod	0.000	0.004	0.072	
<i>Solidago rigida</i>	Stiff Goldenrod	0.315	0.218	0.164	
<i>Solidago speciosa</i>	Showy Goldenrod	1.417	0.299	0.000	
<i>Solidago ulmifolia</i>	Elm-leaved Goldenrod	0.000	0.000	0.000	
<i>Sorghastrum nutans</i>	Indian Grass	0.000	0.000	0.000	
<i>Spartina pectinata</i>	Prairie Cord Grass	0.000	0.175	0.800	
<i>Specularia (Triodanis) perfoliata</i>	Venus' Looking Glass	0.000	0.000	0.000	
<i>Spiraea alba</i>	Meadowsweet	0.000	0.020	0.192	
<i>Spiranthes cernua</i>	Nodding Ladies Tresses	0.000	0.000	0.000	
<i>Spiranthes lacera</i>	Slender Ladies Tresses	0.002	0.000	0.000	0.025
<i>Sporobolus cryptandrus</i>	Sand Dropseed	0.000	0.000	0.000	
<i>Sporobolus heterolepis</i>	Prairie Dropseed	0.000	0.000	0.000	
<i>Stachys palustris homotricha</i>	Woundwort	0.000	0.002	0.032	
<i>Stipa spartea</i>	Porcupine Grass	0.465	0.000	0.000	
<i>Symplocarpus foetidus</i>	Skunk Cabbage	0.000	0.000	0.000	
<i>Talinum rugospermum</i> ***	Sand Fameflower	0.008	0.000	0.000	
<i>Tephrosia virginiana</i>	Goat's Rue	2.579	0.000	0.000	2.950
<i>Teucrium canadense</i>	American Germander (Wood Sage)	0.000	0.000	0.000	
<i>Teucrium occidentale</i>	Gray Germander	0.000	0.000	0.000	
<i>Thalictrum dasycarpum</i>	Purple Meadow Rue	0.000	0.000	0.000	

Tradescantia ohiensis	Ohio Spiderwort	2.343	0.838	0.000	1.600
Trillium recurvatum	Red (Prairie) Trillium	0.000	0.000	0.000	
Triosteum aurantiacum	Early Horse Gentian (Orange-fruited)	0.000	0.000	0.000	
Triosteum perfoliatum	Horse Gentian (Feverwort)(Tinker's Weed)	0.142	0.079	0.000	
Verbena hastata	Blue Vervain	0.000	0.655	0.428	
Verbena stricta	Hoary Vervain	0.945	0.203	0.000	
Verbena urticifolia	Hairy White Vervain	0.059	0.031	0.000	3.000
Vernonia fasciculata	Common Ironweed	0.000	3.600	0.000	
Veronicastrum virginicum	Culver's Root	0.000	0.568	0.920	
Viburnum lentago	Nannyberry Viburnum	0.000	0.000	0.000	
Viburnum prunifolium	Black Haw	0.000	0.000	0.000	
Viola fimbriatula	Sand Violet	0.000	0.000	0.000	
Viola lanceolata	Lance-leaved Violet	0.000	0.000	0.000	
Viola pedata lineariloba	Birdsfoot Violet	0.016	0.000	0.000	
Viola pedatifida	Prairie Violet	0.118	0.000	0.000	
Viola sagittata	Arrow-leaved violet	0.000	0.000	0.000	
Viola sororia (pratincola) (papilionacea)	Common blue Violet	0.000	0.000	0.000	
Viola subsinuata (triloba)	Lobed Blue Violet	0.000	0.000	0.000	
Wulfenia bullii *** (Besseyia)	Kittentails	0.000	0.000	0.000	
Zizia aptera	Heart-leaved Meadow Parsnip	0.024	0.000	0.000	
Zizia aurea	Golden Alexanders	0.000	1.310	1.536	
	Common Water Plantain	0.000	0.000	0.000	
		0.000	0.000	0.000	
		0.000	0.000	0.000	
ODD MIXES		0.000	0.000	0.000	
mo gr grass leaved gr oldfield		0.000	0.000	0.000	
TCP - Dry, dry mesic, Cor pal, Amo can, Par int, great mix		0.000	0.000	0.000	
TCP - Aster mix		0.000	0.000	0.000	
Wet sedges and juncus		0.000	0.000	0.000	
WET MIX 2011	14 species	0.000	0.000	3.760	
Wet Aster mix		0.000	0.131	0.452	
Mesic mix		0.000	0.000	0.000	
Savanna mix 2011 -Eup pur, Ast sho, Pre alt, Hie can, Cin arv	5 species	0.000	0.000	0.000	3.500
Bills Mesic mix		0.000	0.000	0.000	
Mesic mix		0.000	0.000	0.000	
dry mix		0.114	0.000	0.000	0.100
dry mesic mix		0.000	0.000	0.000	

Aster mix: smooth, sky blue	0.173	0.000	0.000
solidago miss, oldfield, grassleaved	0.000	0.000	0.000
Wool grass and Bullrush	0.000	0.000	0.000
Weedy species-Rat pin, Men fit, etc	0.000	0.000	0.000
Seed stripped Little blue	0.000	0.000	0.000
Combine Little blue yellow house	8.189	8.199	0.000
Little blue mixed with thimble	2.362	1.417	0.000
little blue mixed with il ticktrefoil	0.000	0.000	0.000
Little blue with cut stems no pure seed in 2012 and 2013	0.000	0.000	0.000
Thimble weed mixed with little blue	0.000	0.000	0.000
Dropseed Garden Combine Mix	5.232	5.240	0.000
Northern Drop seed cut with stems	0.000	0.000	0.000
bushy, hairy pin weed and frost weed	0.000	0.000	0.000
sweet ever, lia asp, rose, purple love,	0.000	0.000	0.000
woodland grass mix	0.000	0.000	0.000
prairie coreopsis and w sunflower	0.000	0.000	0.000
bicnells sedge and Sally's sedgemoadow crew mistake mixed them together	0.000	0.000	0.000
tall grasses combine - big blue and indian	0.000	0.249	0.000
woodland grass mix	0.000	0.000	0.000
Ayres Hallowell mix 37 species for uplands	8.189	0.000	0.000
TOTAL Pounds	39.350789	81.1972973	286.915
NUMBER OF SPECIES	114	108	59

Weather:

Planting Map:



End.