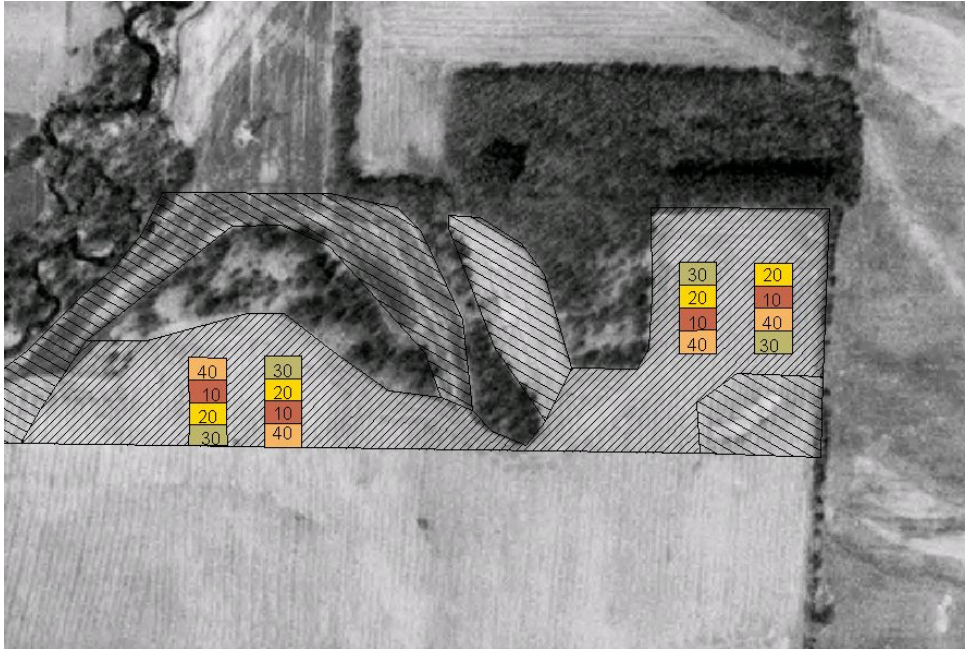


Planting #63 – Clear Creek Knolls (Dropseed Hills Buffer) - Fall of 2005

By Bill Kleiman

Description:

40 acre unit that is currently hay, row crops, remnant prairie and a wooded creek corridor. The unit is located in the Northern ½ of the SW ¼ quarter of the SE ¼ quarter and the Northern ½ of the SE ¼ quarter of the SW ¼ quarter Section 10 T 22N R10E. See Map below.



Map of the planting 63. The right leaning hash marks is the 15-acre dry seed mix area. The left leaning heavier hash marks is the 10-acre mesic seed mix area. The colored blocks was the seed rate experiment that did not work out as the driver could not control the rate of seed spread accurately enough.

History:

During the 2004-2005 crop season the fields were planted to corn. These areas we planted have been in row crop production for decades. Tree removal along the creek opened space for the wetland mix. Steward Mary Vieregg has been managing the Dropseed Hills area and collected 127 lbs of seed from 138 species for overseeding. Crew of Austin Saylor, Ryan Klopff, Nathan Hill, Bill Kleiman, Katie Schoenfeldt, Kelly Weise, Cody Considine, Adam Rex and Andy Muth collected the seed for this planting with a goal of 200 species.

Planting Description:

October 27, 2005 We burned off the 26 acres of corn stubble after we mowed it all down.

November 21, 2005 both dry and mesic mixes were spread with Airmax air seeder across the areas on the attached GPS maps. The remaining mix was over-seeded at HLP planting #62. Airmax seeding cost \$2,100

Specialty Seed Planting Needed:

Several bags of specialty seeds were planted by hand.

Seed:

Weight is calculated with the ADAM scale using 12lbs tare weight for barrel and lid

2005 Planting #63 at CCK

MIX	ACRES	FORB		GRASS*		TOTAL
		RATE #s/ac	TOTAL #s	RATE #s/ac	TOTAL #s	
DRY	15	20	300	9	135	435
MESIC	10	25	250	9	90	340
Total for AirMAXX			550		225	775
WET**	3	33	100			
TOTAL			650			875

** Hand Planted and planted with pendulum broadcast spreader.

This wet mix was planted along Clear Creek on the east side of the creek from the Bishop tract south to the creek ford.

*The mesic mix grass is about 40% Indian and Big Blue harvested by combine, the remaining 60% weight would be little bluestem.

The other grasses are in with all the forbs (Canada rye, northern dropseed, panicums...)

Total Crew Seed Collection for 2005:

883 lbs from 175 species for all of the forbs

250 lbs of Little Bluestem

500+ lbs of Big Blue and Indian

Seed mix species list:

Below is a list of all the species and their weights we collected. We collected 375 pounds of dry mix and planted 300 pounds of that on this planting 63 in the dry area. So the pounds listed for each species should be multiplied by 0.80. Where did the 20% of dry seed go? We over-seeded it onto HLP planting 62.

115 species in Dry Mix (We used 80% of this mix in this planting 63)

Scientific Name	Common Name	Dry lbs
Agrostis hymenalis	Tickle Grass	0.6
Allium cernuum	Nodding Wild Onion	0.12
Amelanchier humilis	Serviceberry	0.0125
Amorpha canescens	Leadplant	16.25
Anemone cylindrica	Thimbleweed	2.1
Antennaria plantaginifolia	Pussy Toes (Everlasting)	0.3378
Apocynum cannabinum (X medium)	Dogbane (Indian Hemp)	0.0625
Aristida purpurascens	Arrow Feather	5.325
Artemisia caudata (campestris)	Beach Wormwood	3.575
Asclepias syriaca	Common Milkweed	0.075
Asclepias verticillata	Whorled Milkweed	1.365
Aster azureus (oolentangiensis)	Sky-blue Aster	2.2
Aster ericoides (prostratus)	Heath Aster	6.42
Aster linariifolius	Stiff Aster (Flax-Leaved)	4.5225
Aster oblongifolius	Aromatic Aster	0.075
Aster ptarmicoides	White Aster (Stiff Aster)	0.0375
Aster sericeus	Silky Aster	1.6425

<i>Astragalus canadensis</i>	Canadian Milk Vetch	7.81
<i>Baptisia leucantha</i>	White Wild Indigo	17.45
<i>Baptisia leucophaea</i>	Cream Wild Indigo	4.70965
<i>Bouteloua curtipendula</i>	Side-Oats Grama	7.344
<i>Bouteloua hirsuta</i>	Hairy Grama	0.75
<i>Carex bicknellii</i>	Copper-shouldered oval Sedge	7.6128
<i>Carex muhlenbergii</i> (enervis)	Sand Bracted Sedge (Muhlenberg's)	3.2375
<i>Castilleja sessiliflora</i> **	Downy Yellow Painted Cup	1
<i>Ceanothus americanus</i>	New Jersey Tea	0.0625
<i>Chrysopsis camporum</i> (Heterothea)	Golden Prairie Aster	0.891
<i>Cirsium hillii</i> *** (pumilum)	Hill's Thistle	0.125
<i>Comandra umbellata</i> (richardsiana)	False Toadflax	0.313
<i>Coreopsis lanceolata</i>	Sand Coreopsis	0.18
<i>Coreopsis palmata</i>	Prairie Coreopsis	2.9628
<i>Coreopsis tripteris</i>	Tall Coreopsis	1.0688
Coyote Pt Mix		2.4
<i>Cyperus filiculmis</i>	Slender Sand Sedge	0.72
<i>Danthonia spicata</i>	Poverty Oat Grass	0.475
Delicious Medley		3.5
<i>Desmodium canadense</i>	Showy Tick Trefoil	0.4
<i>Desmodium illinoense</i>	Ill. Tick Trefoil	1
<i>Dodecatheon meadia</i>	Shooting Star	0.4314
<i>Echinacea pallida</i>	Pale Purple Coneflower	14.328
<i>Elymus canadensis</i>	Prairie Wild Rye	8.6625
<i>Eragrostis spectabilis</i>	Purple Love Grass	0.344
<i>Eryngium yuccifolium</i>	Rattlesnake Master	0.49
<i>Eupatorium altissimum</i>	Tall Boneset	1
<i>Eupatorium serotinum</i>	Late Boneset	1.2
<i>Euphorbia corollata</i>	Flowering Spurge	7.469
<i>Gentiana purberulenta</i>	Prairie Gentian	0.13125
<i>Geum triflorum</i>	Prairie Smoke (Long-plumed Purple Avens)	0.0625
<i>Gnaphalium obtusifolium</i>	Sweet Everlasting (Old-Field Balsam)	0.2625
Goldenrod mix		3.375
<i>Helianthemum canadense</i>	Common Rockrose (Frostweed)	1.320475
<i>Helianthus occidentalis</i>	Western Sunflower; Naked S.	7.506
<i>Helianthus rigidus</i> (laetiflorus)	Prairie Sunflower	0.25
<i>Heliopsis helianthoides</i>	False Sunflower; " Ox-eye "	3.4295
<i>Heuchera richardsonii</i> grayana	Rough Heuchera; Alum root	0.15
Hidden Prarie Mix		2.1
<i>Hieracium gronovii</i>	Hairy Hawkweed	0.35
<i>Juncus interior</i>	Inland Rush	4.6
<i>Juncus tenuis</i>	Path Rush	0.15

<i>Knaphthaleum obtusifolium</i>	Sweet Everlasting	0.225
<i>Koeleria cristata (macrantha)</i>	Prairie June Grass	16.8
<i>Kuhnia (Brickellia) eupatoroides corymbulosa</i>	False Boneset	4.90875
<i>Lechea stricta</i>	Bushy Pinweed	0.3756
<i>Lechea tenuifolia</i>	Slender-Leaved Pinweed	1.375
<i>Lechea villosa (mucronata)</i>	Hairy Pinweed	0.4752
<i>Leptoloma cognatum</i>	Fall Witch Grass	3.85
<i>Lespedeza capitata --</i>	Round-headed Bush Clover	6.5625
<i>Lespedeza leptostachya ****</i>	Prairie Bush Clover	0.225
<i>Liatris aspera</i>	Rough Blazing-star (Rough Gayfeather)	17.615
<i>Liatris cylindracea</i>	Dwarf Blazingstar	0.1875
<i>Lithospermum canescens</i>	Hoary Puccoon	0.0625
<i>Lithospermum incisum</i>	Fringed (Narrow-leaved) Puccoon	0.125
<i>Lupinus perennis</i>	Wild Lupine	0.1875
Mix - Cor.qui, indigo		3.4
Mix o Stuff		0.264
<i>Monarda fistulosa</i>	Wild Bergamot	3.5
<i>Monarda punctata villicualis</i>	Horse Mint	2.625
<i>Oenothera biennis canescens</i>	Common Evening Primrose	0.3784
<i>Oenothera clelandii (rhombipetala)</i>	Sand Evening Primrose	0.175
<i>Onosmodium hispidissimum</i>	Marbleseed	0.175
<i>Opuntia humifusa (compressa)</i>	Prickly Pear Cactus	0.25
<i>Oxalis violacea</i>	Violet Wood-sorrel	0.2504
<i>Panicum depauperatum</i>	Starved Panic Grass	0.15
<i>Panicum leibergii</i>	Prairie Panic Grass	1.9878
<i>Parthenium integrifolium</i>	Wild Quinine (Feverfew)	11.5625
<i>Paspalum ciliatifolium muhlenbergii</i>	Hairy Lens Grass	0.42
<i>Penstemon digitalis</i>	Foxglove Beardtongue	9.4
<i>Penstemon hirsutus</i>	Hairy Beard tongue	0.3
<i>Petalostemum (Dalea) candidum</i>	White Prairie Clover	0.40625
<i>Petalostemum (Dalea) purpureum</i>	Purple Prairie Clover	12.075
<i>Physocarpus opulifolius</i>	Ninebark	0.2
<i>Polygala sanguinea</i>	Field Milkwort	0.0625
<i>Potentilla arguta</i>	Prairie Cinquefoil	14.875
<i>Prenanthes alba</i>	White Lettuce, Lion's Foot	0.03125
<i>Prunus americana</i>	Wild Plum	0.15
<i>Pycnanthemum virginianum</i>	Mountain mint (Prairie Hyssop)	0.3875
<i>Ratibida pinnata</i>	Yellow Coneflower	0.5
<i>Rosa carolina</i>	Pasture Rose	5.6
Rosin, Quinine,Compass Mix		1.125
<i>Rudbeckia hirta</i>	Black-eyed Susan	4.8375
Sand Farm mix		0.9191

Scutellaria parvula leonardi	Small Skullcap	0.0125
Silphium integrifolium	Rosinweed	3.5175
Silphium laciniatum	Compass plant	8.25
Sisyrinchium albidum	Common Blue-eyed Grass	0.45
Solidago (Euthamia) graminifolia nuttallii	Grass-leaved Goldenrod	4.6875
Solidago missouriensis fasciculata	Missouri Goldenrod	0.7
Solidago nemoralis	Gray Goldenrod; Oldfield	0.4
Solidago rigida	Stiff Goldenrod	0.5
Solidago speciosa	Showy Goldenrod	5
Sorghastrum nutans	Indian Grass	0.25
Spiranthes lacera	Slender Ladies Tresses	0.01
Sporobolus heterolepis	Prairie Dropseed	1.2096
Stipa spartea	Porcupine Grass	7.5
Talinum rugospermum ***	Sand Fameflower	0.25
TCP stripper Mix		8
Tephrosia virginiana	Goat's Rue	6.28125
Tradescantia ohiensis	Ohio Spiderwort	10.125
Triosteum aurantiacum	Early Horse Gentian (Orange-fruited)(Feverwort)(Tinker's Weed)	2.5
Unknown mix 2		7.0128
Unknown mix 3		0.875
Upland Mix		8
Verbena stricta	Hoary Vervain	2.34375
Viola pedata lineariloba	Birdsfoot Violet	0.0125
Wulfenia bullii *** (Besseyia)	Kittentails	0.1813
Zizia aptera	Heart-leaved Meadow Parsnip	0.25
Zizia aurea	Golden Alexanders	1.8125

122 species in Mesic Mix (Multiply weight here by 0.72 because we used 72% of this seed mix on this planting 63.)

SCIENTIFIC NAME	COMMON NAME	MESIC POUNDS
Actinomeris (Verbesina) alternifolia	Wingstem	0.775
Agalinis (Gerardia) tenuifolia	Slender False Foxglove	0.4126
Agrostis hymenalis	Tickle Grass	0.4
Allium cernuum	Nodding Wild Onion	0.84
Amorpha canescens	Leadplant	13
Amorpha fruticosa	Indigo Bush	1.925
Anemone canadensis	Meadow Anemone	0.0375
Anemone cylindrica	Thimbleweed	2.1
Angelica grandifolia	Great Angelica	0.15
Antennaria plantaginifolia	Pussy Toes (Everlasting)	0.2252

<i>Apocynum cannabinum</i> (X medium)	Dogbane (Indian Hemp)	0.1875
<i>Aristida purpurascens</i>	Arrow Feather	3.55
<i>Artemisia caudata</i> (campestris)	Beach Wormwood	2.925
<i>Asclepias syriaca</i>	Common Milkweed	0.05
<i>Asclepias verticillata</i>	Whorled Milkweed	1.26
<i>Aster ericoides</i> (prostratus)	Heath Aster	4.28
<i>Aster linariifolius</i>	Stiff Aster (Flax-Leaved)	1.5075
<i>Aster novae-angliae</i>	New England Aster	0.0375
<i>Aster oblongifolius</i>	Aromatic Aster	0.05
<i>Aster ptarmicoides</i>	White Aster (Stiff Aster)	0.025
<i>Aster sericeus</i>	Silky Aster	0.1825
<i>Astragalus canadensis</i>	Canadian Milk Vetch	11.715
<i>Baptisia leucantha</i>	White Wild Indigo	17.45
<i>Baptisia leucophaea</i>	Cream Wild Indigo	3.85335
<i>Bidens frondosa</i>	Beggar's Ticks	0.04
<i>Bouteloua curtipendula</i>	Side-Oats Grama	0.816
<i>Cacalia suaveolens</i>	Sweet-scented Indian Plantain	0.0375
<i>Callirhoe triangulata</i>	Clustered Poppy Mallow	0.03
<i>Carex bicknellii</i>	Copper-shouldered oval Sedge	5.0752
<i>Carex muhlenbergii</i> (enervis)	Sand Bracted Sedge (Muhlenberg's)	1.3875
<i>Carex vulpinoidea</i>	Brown Fox Sedge	0.0188
<i>Cassia hebecarpa</i>	Wild Senna	0.0078
<i>Ceanothus americanus</i>	New Jersey Tea	0.0625
<i>Chrysopsis camporum</i> (Heterotheca)	Golden Prairie Aster	0.297
<i>Cirsium discolor</i>	Pasture Thistle	0.0125
<i>Coreopsis lanceolata</i>	Sand Coreopsis	0.02
<i>Coreopsis palmata</i>	Prairie Coreopsis	1.9752
<i>Coreopsis tripteris</i>	Tall Coreopsis	7.4816
Coyote Pt Mix		1.6
<i>Cyperus filiculmis</i>	Slender Sand Sedge	0.08
Delicious Medley		5.25
<i>Desmodium canadense</i>	Showy Tick Trefoil	0.6
<i>Desmodium illinoense</i>	Ill. Tick Trefoil	1
<i>Dodecatheon meadia</i>	Shooting Star	0.2157
<i>Echinacea pallida</i>	Pale Purple Coneflower	14.328
<i>Elymus canadensis</i>	Prairie Wild Rye	8.6625
<i>Equisetum hyemale affine</i>	Tall Scouring Rush	0.1302
<i>Eragrostis spectabilis</i>	Purple Love Grass	0.2752
<i>Eryngium yuccifolium</i>	Rattlesnake Master	20.825
<i>Eupatorium altissimum</i>	Tall Boneset	1
<i>Eupatorium serotinum</i>	Late Boneset	0.3
<i>Euphorbia corollata</i>	Flowering Spurge	7.469
<i>Gaura biennis pitcheri</i> (longiflora)	Common Gaura	0.02
<i>Gentiana purberulenta</i>	Prairie Gentian	0.05625
<i>Gnaphalium obtusifolium</i>	Sweet Everlasting (Old-Field Balsam)	0.09375
Goldenrod mix		3.375
<i>Helenium autumnale</i>	Sneezeweed	3.09375
<i>Helianthemum canadense</i>	Common Rockrose (Frostweed)	0.60945

<i>Helianthus grosseserratus</i>	Sawtooth Sunflower	0.6405
<i>Helianthus occidentalis</i>	Western Sunflower; Naked S.	5.004
<i>Helianthus rigidus</i> (laetiflorus)	Prairie Sunflower	0.25
<i>Heliopsis helianthoides</i>	False Sunflower; " Ox-eye "	3.4295
<i>Heuchera richardsonii</i> grayana	Rough Heuchera; Alum root	0.05
Hidden Prairie Mix		1.4
<i>Hieracium gronovii</i>	Hairy Hawkweed	0.15
<i>Hypericum pyramidatum</i>	Great St. Johnswort	0.3
<i>Juncus interior</i>	Inland Rush	6.9
<i>Juncus tenuis</i>	Path Rush	0.45
<i>Knaphaleum obtusifolium</i>	Sweet Everlasting	0.15
<i>Koeleria cristata</i> (macrantha)	Prairie June Grass	11.2
<i>Kuhnia</i> (<i>Brickellia</i>) <i>eupatoroides</i> <i>corymbulosa</i>	False Boneset	4.71625
<i>Lechea stricta</i>	Bushy Pinweed	0.2504
<i>Lechea villosa</i> (mucronata)	Hairy Pinweed	0.4752
<i>Leptoloma cognatum</i>	Fall Witch Grass	1.65
<i>Lespedeza capitata</i> --	Round-headed Bush Clover	6.5625
<i>Lespedeza leptostachya</i> ****	Prairie Bush Clover	0.225
<i>Liatris aspera</i>	Rough Blazing-star (Rough Gayfeather)	8.13
<i>Liatris pycnostachya</i>	Tall Gayfeather; Prairie Blazing Star	0.53275
<i>Lobelia spicata</i>	Pale-spike Lobelia	0.225
Mix - Cor,qui, indigo		0.6
Mix o Stuff		0.176
Mixed wet sedges		0.0344
<i>Monarda fistulosa</i>	Wild Bergamot	3.5
<i>Monarda punctata</i> villicualis	Horse Mint	2.625
<i>Oenothera biennis</i> canescens	Common Evening Primrose	0.3096
<i>Oenothera clelandii</i> (rhombipetala)	Sand Evening Primrose	0.075
<i>Onosmodium hispidissimum</i>	Marbleseed	0.075
<i>Panicum depauperatum</i>	Starved Panic Grass	0.075
<i>Panicum leibergii</i>	Prairie Panic Grass	1.3252
<i>Parthenium integrifolium</i>	Wild Quinine (Feverfew)	11.5625
<i>Paspalum ciliatifolium</i> muhlenbergii	Hairy Lens Grass	0.28
<i>Penstemon digitalis</i>	Foxglove Beardtongue	14.1
<i>Penstemon hirsutus</i>	Hairy Beard tongue	0.175
<i>Petalostemum</i> (<i>Dalea</i>) <i>candidum</i>	White Prairie Clover	7.71875
<i>Petalostemum</i> (<i>Dalea</i>) <i>purpureum</i>	Purple Prairie Clover	8.05
<i>Physocarpus opulifolius</i>	Ninebark	0.1
<i>Polygala sanguinea</i>	Field Milkwort	0.0625
<i>Polytaenia nuttallii</i>	Prairie Parsley	0.025
<i>Potentilla arguta</i>	Prairie Cinquefoil	14.875
<i>Prenanthes alba</i>	White Lettuce, Lion's Foot	0.03125
<i>Prunus americana</i>	Wild Plum	0.15
<i>Pycnanthemum virginianum</i>	Mountain mint (Prairie Hyssop)	1.9375
<i>Ratibida pinnata</i>	Yellow Coneflower	0.5
<i>Rosa carolina</i>	Pasture Rose	2.4
Rosin, Quinine,Compass Mix		0.0625

Rudbeckia hirta	Black-eyed Susan	4.8375
Rudbeckia subtomentosa	Sweet Blackeyed Susan	1.25
Sand Farm mix		0.3939
Scirpus cyperinus	Wool Grass	0.65
Scrophularia marilandica	Late Figwort	0.01565
Silphium integrifolium	Rosinweed	1.5075
Silphium laciniatum	Compass plant	8.25
Silphium terebinthaceum	Prairie Dock	2.3545
Sisyrinchium albidum	Common Blue-eyed Grass	0.3
Solidago (Euthamia) graminifolia nuttallii	Grass-leaved Goldenrod	4.6875
Solidago missouriensis fasciculata	Missouri Goldenrod	0.3
Solidago nemoralis	Gray Goldenrod; Oldfield	0.4
Solidago rigida	Stiff Goldenrod	0.5
Solidago speciosa	Showy Goldenrod	4
Sorghastrum nutans	Indian Grass	0.375
Spiraea alba	Meadowsweet	0.825
Sporobolus heterolepis	Prairie Dropseed	1.344
TCP stripper Mix		2
Tephrosia virginiana	Goat's Rue	0.41875
Tradescantia ohiensis	Ohio Spiderwort	10.125
Triosteum aurantiacum	Early Horse Gentian (Orange-fruited)(Feverwort)(Tinker's Weed)	2.5
Unknown mix 1		6
Unknown mix 2		4.6752
Unknown mix 3		0.875
Upland Mix		8
Verbena hastata	Blue Vervain	1.63125
Verbena stricta	Hoary Vervain	0.78125
Vernonia fasciculata	Common Ironweed	0.2126
Veronicastrum virginicum	Culver's Root	4.75
Zizia aptera	Heart-leaved Meadow Parsnip	0.25
Zizia aurea	Golden Alexanders	1.8125

53 species in Wet Mix (All this wet mix went along the east side of Clear Creek from the Bishop line south to the creek ford).

SCIENTIFIC	COMMON	WET MIX Weight in LBS
Actinomeris (Verbesina) alternifolia	Wingstem	3.1
Agalinis (Gerardia) tenuifolia	Slender False Foxglove	1.6504
Agastache nepetoides	Yellow Giant Hyssop	0.7125
Agrimonia parviflora	Swamp Agrimony	0.5625
Allium cernuum	Nodding Wild Onion	0.24
Amorpha fruticosa	Indigo Bush	1.4
Anemone canadensis	Meadow Anemone	0.3375
Angelica grandifolia	Great Angelica	1.35
Apocynum cannabinum (X medium)	Dogbane (Indian Hemp)	0.0625

<i>Asclepias incarnata</i>	Swamp Milkweed	0.1875
<i>Aster novae-angliae</i>	New England Aster	0.15
<i>Baptisia leucantha</i>	White Wild Indigo	4.3625
<i>Bidens frondosa</i>	Beggar's Ticks	0.36
<i>Cacalia suaveolens</i>	Sweet-scented Indian Plantain	3.7125
<i>Caltha palustris</i>	Marsh Marigold	0.0625
<i>Carex vulpinoidea</i>	Brown Fox Sedge	0.0752
<i>Cassia hebecarpa</i>	Wild Senna	0.1482
<i>Chelone glabra</i>	Turtlehead	0.01
<i>Coreopsis tripteris</i>	Tall Coreopsis	2.1376
<i>Elymus canadensis</i>	Prairie Wild Rye	0.9625
<i>Elymus villosus</i>	Silky Wild Rye	0.45
<i>Equisetum hyemale affine</i>	Tall Scouring Rush	0.0558
<i>Eryngium yuccifolium</i>	Rattlesnake Master	3.185
<i>Eupatorium maculatum</i>	Spotted Joe Pye Weed	10.875
Fen Bridge Mix		6.2
<i>Galium borale</i>	Northern Bedstraw	0.313
<i>Gaura biennis pitcheri (longiflora)</i>	Common Gaura	0.18
<i>Gentiana (Gentianopsis) crinita</i>	Fringed Gentian	2.125
<i>Gentiana andrewsii</i>	Bottle (or Closed) Gentian	0.625
<i>Helenium autumnale</i>	Sneezeweed	9.28125
<i>Helianthus grosseserratus</i>	Sawtooth Sunflower	1.9215
<i>Hypericum pyramidatum</i>	Great St. Johnswort	4.7
<i>Juncus tenuis</i>	Path Rush	0.15
Left-over Mix		2.094
<i>Liatris pycnostachya</i>	Tall Gayfeather; Prairie Blazing Star	1.59825
<i>Lobelia spicata</i>	Pale-spike Lobelia	0.15
Mixed wet sedges		0.6536
<i>Parnassia glauca</i>	Grass of Parnassus	0.1
<i>Pedicularis lanceolata</i>	Fen (Swamp) Betony; Lousewort	0.5
<i>Polytaenia nuttallii</i>	Prairie Parsley	0.1
<i>Pycnanthemum virginianum</i>	Mountain mint (Prairie Hyssop)	5.425
<i>Rudbeckia hirta</i>	Black-eyed Susan	0.5375
<i>Rudbeckia subtomentosa</i>	Sweet Blackeyed Susan	1.25
<i>Scirpus cyperinus</i>	Wool Grass	2.6
<i>Scrophularia marilandica</i>	Late Figwort	0.1565
<i>Silphium terebinthaceum</i>	Prairie Dock	0.4155
<i>Solidago patula</i>	Swamp Goldenrod	2.125
<i>Spartina pectinata</i>	Prairie Cord Grass	2.125
<i>Spiraea alba</i>	Meadowsweet	1.925
<i>Symplocarpus foetidus</i>	Skunk Cabbage	1.5
<i>Verbena hastata</i>	Blue Vervain	9.24375
<i>Verbena urticifolia</i>	Hairy White Vervain	0.375
<i>Vernonia fasciculata</i>	Common Ironweed	0.8504
<i>Veronicastrum virginicum</i>	Culver's Root	4.75
<i>Zizia aurea</i>	Golden Alexanders	1.8125
Wet Mix		0.44
TOTALS		102

Study Plots Established:

How much seed is enough? We set up 4 random blocks (60'X100') with 4 rates of application in each (10, 20, 30 & 40 lbs/ac). Prior to planting the areas were flagged and colored to correspond to the application rates. See attached plot attachment maps. These blocks were seeded with the Airmaxx and was set with two settings full and 1/2 rate corresponding to the 20 and 10 lbs /ac for application. The 30 and 40 acre plots were done twice. During the airmaxx application in blocks CCKSP##3 and CCKSP##4 the airmaxx ran out of seed. The bin of the airmaxx was first filled with dry mix and the entire mesic mix was poured on top then the dry plots were finished.

Blocks #1 and #2 appear to have been planted correctly but overall this method did not work.

Overseeding Study for Planting #63 at CCK

DRY MIX	ACRES	FORB		GRASS		TOTAL
		RATE #s/ac	TOTAL #s	RATE #s/ac	TOTAL #s	
LOW	0.6	10	6	3.1	1.86	8
MED	0.6	20	12	6.2	3.72	16
HI	0.6	30	18	9.3	5.58	24
VERY HIGH	0.6	40	24	12.4	7.44	31
			60		18.6	79

