

Hahnaman Prairie South Planting History Planting 134B

Prepared by Cody Considine

Planting date: February 2&3 2021

Total acres: 32.8

Purchased Seed plus Combine Seed Acres

Middle Rock Conservation Partners (Yellow polygon) – 20.9 acres

Com Ed (Purple polygon) – 3.67 acres

Pure live seed was mixed prior to planting. See species list and amounts below. At time of planting, the PLS mix was mixed in with combine seed on each load within the Vicon pendulum seeder. Two passes were completed on number 50 setting of the planter. First pass was planted in concentric circles to cover the area. Second pass was planted going back and forth. Seed was planted very heavily as evident in photos.

Three quarters of a full grain wagon of a good combine mix was used. This seed was harvested from Nachusa's 2009 and 2013 planting.

Snow was ~6" in most places, deeper in drifting areas. A day after the planting was complete, it snowed several more inches and temps dropped to well below freezing.

The prairie planting was previously a corn crop and harvested in the fall of 2020.

A few species of the mix were left out to be planted in the spring of 2021 in the most suitable habitat within the planting.

Combine Seed Only acres

MRCP (Blue polygon) ~ 4 acres

Com Ed (Blue polygon) ~ 4 acres

One heavy pass on setting 65 on the planter was completed in the blue area. I would have liked planted the entire area west of the substation but ran out of seed.

A quarter of the grain wagon was used to plant these 8 acres.

The west half of this planting was harvested corn and the other half had been left fallow for a year or two.

Seed Mix

PLS was purchased from Taylor Creek Restoration Nurseries. Both purchased seed orders were mixed and planted as one planting.

Com Ed seed purchased:

Species	Common Name	Qty	Unit	Price per Unit	Extension
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<i>Bouteloua curtipendula</i>	Side oats grama	48.00	oz	\$ 0.49	\$ 23.52
<i>Elymus canadensis</i>	Canada wild rye	48.00	oz	\$ 0.80	\$ 38.40
<i>Hesperostipa spartea*</i>	Porcupine grass	6.00	oz	\$ 15.00	\$ 90.00
<i>Koeleria macrantha</i>	June grass	3.00	oz	\$ 15.00	\$ 45.00
<i>Schizachyrium scoparium</i>	Little bluestem	48.00	oz	\$ 1.00	\$ 48.00
<i>Spartina pectinata</i>	Prairie cord grass	6.00	oz	\$ 7.00	\$ 42.00
<i>Sporobolus heterolepis</i>	Prairie dropseed	36.00	oz	\$ 15.00	\$ 540.00
<i>Carex bicknellii</i>	Bicknell's sedge	2.25	oz	\$ 15.00	\$ 33.75
<i>Carex muehlenbergii</i>	Sand bracted sedge	2.25	oz	\$ 30.00	\$ 67.50
<i>Juncus tenuis</i>	Path rush	0.30	oz	\$ 32.00	\$ 9.60
<i>Allium cernuum</i>	Nodding wild onion	3.75	oz	\$ 16.00	\$ 60.00
<i>Amorpha canescens</i>	Leadplant	4.50	oz	\$ 14.00	\$ 63.00
<i>Asclepias syriaca</i>	Common milkweed	1.50	oz	\$ 9.75	\$ 14.63
<i>Asclepias verticillata</i>	Whorled milkweed	1.50	oz	\$ 40.00	\$ 60.00
<i>Baptisia alba</i>	White wild indigo	2.25	oz	\$ 14.50	\$ 32.63
<i>Boltonia asteroides</i>	False aster	0.75	oz	\$ 8.00	\$ 6.00
<i>Brickellia eupatorioides</i>	False boneset	0.75	oz	\$ 17.00	\$ 12.75
<i>Chamaecrista fasciculata</i>	Partridge pea	18.00	oz	\$ 2.50	\$ 45.00
<i>Coreopsis palmata</i>	Prairie coreopsis	1.50	oz	\$ 46.00	\$ 69.00
<i>Coreopsis tripteris</i>	Tall coreopsis	3.00	oz	\$ 22.00	\$ 66.00
<i>Dalea candida</i>	White prairie clover	3.00	oz	\$ 15.60	\$ 46.80
<i>Dalea purpurea</i>	Purple prairie clover	12.00	oz	\$ 3.00	\$ 36.00
<i>Desmodium illinoense</i>	Illinois tick trefoil	1.50	oz	\$ 9.60	\$ 14.40
<i>Dodecatheon meadia*</i>	Shooting star		oz	\$	\$

		0.75		78.40	58.80
<i>Potentilla arguta</i>	Prairie cinquefoil	0.75	oz	\$ 14.00	\$ 10.50
<i>Echinacea pallida</i>	Pale purple coneflower	4.50	oz	\$ 13.00	\$ 58.50
<i>Eryngium yuccifolium</i>	Rattlesnake master	3.00	oz	\$ 20.00	\$ 60.00
<i>Euphorbia corollata</i>	Flowering spurge	1.50	oz	\$ 49.00	\$ 73.50
<i>Helianthus pauciflorus</i>	Prairie sunflower	2.25	oz	\$ 26.40	\$ 59.40
<i>Heterothica villosa</i>	Golden Aster	1.50	oz	\$ -	\$ -
<i>Lespedeza capitata</i>	Round-headed bush clover	3.00	oz	\$ 11.00	\$ 33.00
<i>Liatris aspera</i>	Rough blazing star	2.25	oz	\$ 31.00	\$ 69.75
<i>Liatris pycnostachya</i>	Prairie blazing star	4.50	oz	\$ 11.00	\$ 49.50
<i>Monarda fistulosa</i>	Wild bergamot	1.50	oz	\$ 12.00	\$ 18.00
<i>Parthenium integrifolium</i>	Wild quinine	9.00	oz	\$ 7.20	\$ 64.80
<i>Penstemon pallidus</i>	Pale beard tongue	1.50	oz	\$ 80.00	\$ 120.00
<i>Penstemon digitalis</i>	Beardtongue	3.00	oz	\$ 16.00	\$ 48.00
<i>Phlox pilosa</i>	Sand prairie phlox	0.45	oz	\$ 88.00	\$ 39.60
<i>Pycnanthemum tenuifolium</i>	Slender mountain mint	1.50	oz	\$ 34.00	\$ 51.00
<i>Ratibida pinnata</i>	Yellow coneflower	6.00	oz	\$ 12.00	\$ 72.00
<i>Rosa carolina</i>	Carolina rose	1.50	oz	\$ 32.00	\$ 48.00
<i>Rudbeckia hirta</i>	Black-eyed Susan	6.00	oz	\$ 2.00	\$ 12.00
<i>Rudbeckia subtomentosa</i>	Sweet black-eyed susan	1.50	oz	\$ 14.00	\$ 21.00
<i>Silphium integrifolium</i>	Rosin weed	3.00	oz	\$ 12.00	\$ 36.00
<i>Silphium laciniatum</i>	Compass plant	6.00	oz	\$ 23.45	\$ 140.70
<i>Silphium terebinthinaceum</i>	Prairie dock	6.00	oz	\$ 17.00	\$ 102.00
<i>Sisyrinchium albidum*</i>	Common blue-eyed grass	0.30	oz	\$ 68.00	\$ 20.40

<i>Solidago juncea</i>	Early goldenrod	1.50	oz	\$ 20.00	\$ 30.00
<i>Solidago nemoralis</i>	Old-field goldenrod	1.50	oz	\$ 20.00	\$ 30.00
<i>Solidago speciosa</i>	Showy goldenrod	1.50	oz	\$ 26.00	\$ 39.00
<i>Symphyotrichum ericoides</i>	Heath aster	0.75	oz	\$ 102.00	\$ 76.50
<i>Symphyotrichum oolentangiense</i>	Sky-blue aster	0.75	oz	\$ 40.00	\$ 30.00
<i>Symphyotrichum sericeum</i>	Silky aster	0.75	oz	\$ 32.00	\$ 24.00
<i>Tephrosia virginiana</i>	Goats rue	1.50	oz	\$ 25.00	\$ 37.50
<i>Teucrium canadense</i>	Wood germander	2.25	oz	\$ 23.00	\$ 51.75
<i>Verbena stricta</i>	Hoary vervain	3.00	oz	\$ 8.00	\$ 24.00
<i>Veronicastrum virginicum</i>	Culver's root	0.75	oz	\$ 65.00	\$ 48.75
<i>Zizia aurea</i>	Golden alexanders	6.00	oz	\$ 8.00	\$ 48.00
Totals:					
				SUBTOTAL	\$ 3,169.92
<i>Estimates do not reserve material.</i>				SALES TAX	
				TOTAL	

MRCP seed purchased:

Number / Description	Unit Price	Qty Ordered	Total Price
BOUCUR-SD - Bouteloua curtipendula-SEED	\$ 0.49	320 oz	\$ 156.80
HESSPA-SD - Hesperostipa spartea-SEED	\$ 15.00	40 oz	\$ 600.00
KOEMAC-SD - Koeleria macrantha-SEED	\$ 15.00	20 oz	\$ 300.00
SPOHET-SD - Sporobolus heterolepis-SEED	\$ 15.00	280 oz	\$ 4,200.00
CXBICK-SD - Carex bicknellii--SEED	\$ 15.00	15 oz	\$ 225.00
CXMUHL-SD - Carex muhlenbergii-SEED	\$ 30.00	15 oz	\$ 450.00
JUNTEN-SD - Juncus tenuis-SEED	\$ 32.00	2 oz	\$ 64.00
ALLCER-SD - Allium cernuum-SEED	\$ 16.00	25 oz	\$ 400.00
AMOCAN-SD - Amorpha canescens-SEED	\$ 14.00	30 oz	\$ 420.00
ASCSYR-SD - Asclepias syriaca-SEED	\$ 9.75	10 oz	\$ 97.50
ASCVER-SD - Asclepias verticillata-SEED	\$ 40.00	10 oz	\$ 400.00
BAPALB-SD - Baptisia alba-SEED	\$ 14.50	15 oz	\$ 217.50
BOLAST-SD - Boltonia asteroides-SEED	\$ 8.00	5 oz	\$ 40.00

Number / Description	Unit Price	Qty Ordered	Total Price
BRIEUP-SD - Brickellia eupatorioides-SEED	\$ 17.00	5 oz	\$ 85.00
CHAFAS-SD - Chamaecrista fasciculata-SEED	\$ 2.50	120 oz	\$ 300.00
CORPAL-SD - Coreopsis palmata-SEED	\$ 46.00	10 oz	\$ 460.00
DALCAN-SD - Dalea candida-SEED	\$ 15.60	20 oz	\$ 312.00
DALPUR-SD - Dalea purpurea-SEED	\$ 3.00	80 oz	\$ 240.00
DESILI-SD - Desmodium illinoensis-SEED	\$ 9.60	10 oz	\$ 96.00
DODMEA-SD - Dodecatheon meadia-SEED	\$ 78.40	5 oz	\$ 392.00
POTARG-SD - Potentilla arguta-SEED	\$ 14.00	5 oz	\$ 70.00
ECHPAL-SD - Echinacea pallida-SEED	\$ 13.00	30 oz	\$ 390.00
ERYYUC-SD - Eryngium yuccifolium-SEED	\$ 20.00	20 oz	\$ 400.00
EUPCOR-SD - Euphorbia corollata-SEED	\$ 49.00	10 oz	\$ 490.00
HELPAU-SD - Helianthus pauciflorus-SEED	\$ 26.40	15 oz	\$ 396.00
LESCAP-SD - Lespedeza capitata-SEED on order SS	\$ 11.00	20 oz	\$ 220.00
LIAPYC-SD - Liatris pycnostachya-SEED	\$ 11.00	30 oz	\$ 330.00
MONFIS-SD - Monarda fistulosa-SEED	\$ 12.00	10 oz	\$ 120.00
PARINT-SD - Parthenium integrifolium-SEED	\$ 7.20	60 oz	\$ 432.00
PENDIG-SD - Penstemon digitalis-SEED	\$ 16.00	20 oz	\$ 320.00
PYCTEN-SD - Pycnanthemum tenuifolium-SEED	\$ 34.00	10 oz	\$ 340.00
RATPIN-SD - Ratibida pinnata-SEED	\$ 12.00	40 oz	\$ 480.00
RUDHIR-SD - Rudbeckia hirta-SEED	\$ 2.00	40 oz	\$ 80.00
RUDSUB-SD - Rudbeckia subtomentosa-SEED	\$ 14.00	10 oz	\$ 140.00
SILINT-SD - Silphium integrifolium-SEED	\$ 12.00	20 oz	\$ 240.00
SILLAC-SD - Silphium laciniatum-SEED	\$ 23.45	40 oz	\$ 938.00
SILTER-SD - Silphium terebinthinaceum-SEED	\$ 17.00	40 oz	\$ 680.00
SOLJUN-SD - Solidago juncea-SEED	\$ 20.00	10 oz	\$ 200.00
SOLNEM-SD - Solidago nemoralis-SEED	\$ 20.00	10 oz	\$ 200.00
SYMOOL-SD - Symphyotrichum oolentangienseSEED	\$ 40.00	5 oz	\$ 200.00
SYMSEER-SD - Symphyotrichum sericeum-SEED	\$ 32.00	5 oz	\$ 160.00
TEPVIR-SD - Tephrosia virginiana-SEED	\$ 25.00	10 oz	\$ 250.00

Number / Description	Unit Price	Qty Ordered	Total Price
VERSTR-SD - Verbena stricta-SEED	\$ 8.00	20 oz	\$ 160.00
VERVIR-SD - Veronicastrum virginicum-SEED	\$ 65.00	5 oz	\$ 325.00
ZIZAUR-SD - Zizia aurea-SEED	\$ 8.00	40 oz	\$ 320.00
SCHSCO-SD - Schizachyrium scoparium-SEED	\$ 1.00	320 oz	\$ 320.00
PHLGLA-SD - Phlox glaberrima-SEED	\$ 124.00	1 oz	\$ 124.00
LIACYL-SD - Liatris cylindracea-SEED	\$ 43.00	40 oz	\$ 1,720.00
PENHIR-SD - Penstemon hirsutus-SEED	\$ 18.00	10 oz	\$ 180.00
CAMSCI-SD - Camassia scilloides-SEED	\$ 55.00	3.75 oz	\$ 206.25
LILMIC-SD - Lilium michiganese-SEED	\$ 174.40	2.5 oz	\$ 436.00
OLIRID-SD - Oligoneuron riddellii-SEED	\$ 25.00	10 oz	\$ 250.00
OLIALB-SD - Oligoneuron album-SEED	\$ 20.00	40 oz	\$ 800.00
SPAPEC-SD - Spartina pectinata-SEED	\$ 8.00	40 oz	\$ 320.00
IRIVIS-SD - Iris virginica shrevei-SEED	\$ 15.00	20 oz	\$ 300.00
Total:		2,049.25	

Approval: _____ Date: _____

Terms and Conditions: Prices are valid for 30 days and do not include actual shipping or taxes. Sales tax will be applied if applicable. All items are subject to availability. PLS is available on most common items. A monthly charge of 1.5% will be charged on all overdue invoices. Please refer to your order number when responding to this estimate. Items held more than 5 business days after requested ship date may be subject to storage fees. Cancelled contract grow orders are subject to penalty. Other canceled orders are subject to a 25% restocking fee – if cancelled within 2 weeks of scheduled ship time. Mixed seed orders cannot be cancelled or returned. Please allow 5-10 working days after order confirmation for delivery and pick-up, unless otherwise agreed upon.

Subtotal:	\$ 21,993.05
Sales Tax:	\$ 0.00
Total:	\$ 21,993.05

Map



Yellow = MRCP: PLS and combine seed planted very heavily, two passes

Purple = Com Ed: PLS and combine seed planted very heavily, two passes

Blue = Com Ed and MRCP combine seed only

Photos:



