

**PRAIRIE INVENTORY
HERBERT HOOVER NATIONAL
HISTORIC SITE**

1999

Prepared by:

**Paul Christiansen, PhD
Vegetation Consultant
554 Linn Ridge Road
Mt. Vernon, IA 52314**

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Herbert Hoover NHS Prairie Inventory, 1998

Table A5. Plant Names.

Species	Common name	Plant family
<i>Ambrosia artemisiifolia</i>	common ragweed	Asteraceae
<i>Ambrosia trifida</i>	giant ragweed	Asteraceae
<i>Amorpha canescens</i>	lead plant	Fabaceae
<i>Andropogon gerardii</i>	big bluestem	Poaceae
<i>Anemone canadensis</i>	Canada anemone	Ranunculaceae
<i>Apocynum sibiricum</i>	Indian hemp	Apocynaceae
<i>Asclepias syriaca</i>	common milkweed	Asclepiadaceae
<i>Asclepias tuberosa</i>	butterfly weed	Asclepiadaceae
<i>Aster azureus</i>	sky-blue aster	Asteraceae
<i>Aster laevis</i>	smooth blue aster	Asteraceae
<i>Aster novae-angliae</i>	New England aster	Asteraceae
<i>Aster pilosus</i>	hairy aster	Asteraceae
<i>Astragalus canadensis</i>	milk vetch	Fabaceae
<i>Baptisia lactea</i>	white wild indigo	Fabaceae
<i>Bouteloua curtipendula</i>	side-oats grama	Poaceae
<i>Bromus inermis</i>	smooth brome	Poaceae
<i>Calystegia sepium</i>	field bindweed	Convolvulaceae
<i>Carex sp.</i>	sedge	Cyperaceae
<i>Cirsium arvense</i>	Canada thistle	Asteraceae
<i>Cirsium discolor</i>	field thistle	Asteraceae
<i>Coreopsis tripteris</i>	tall tickseed	Asteraceae
<i>Cornus sp.</i>	dogwood	Cornaceae
<i>Dalea candida</i>	white prairie clover	Fabaceae
<i>Dalea purpurea</i>	purple prairie clover	Fabaceae
<i>Daucus carota</i>	Queen Anne's lace	Apiaceae
<i>Desmodium canadense</i>	showy tick-trefoil	Fabaceae
<i>Echinacea pallida</i>	pale coneflower	Asteraceae
<i>Elymus canadensis</i>	Canada wildrye	Poaceae
<i>Equisetum arvense</i>	common horsetail	Equisetaceae
<i>Erigeron annuus</i>	annual fleabane	Asteraceae
<i>Eryngium yuccifolium</i>	rattlesnake master	Apiaceae
<i>Geum canadense</i>	white avens	Rosaceae
<i>Helenium autumnale</i>	sneezeweed	Asteraceae
<i>Helianthus grosseserratus</i>	saw-tooth sunflower	Asteraceae
<i>Helianthus rigidus</i>	prairie sunflower	Asteraceae
<i>Heliopsis helianthoides</i>	ox-eye	Asteraceae
<i>Hypericum pyramidatum</i>	giant St. John's wort	Hypericaceae
<i>Lactuca canadensis</i>	wild lettuce	Asteraceae
<i>Lespedeza capitata</i>	round-headed bush clover	Fabaceae
<i>Liatris aspera</i>	rough blazing star	Asteraceae
<i>Lonicera tatarica</i>	Tartarian honeysuckle	Caprifoliaceae
<i>Medicago lupulina</i>	black medic	Fabaceae
<i>Melilotus sp.</i>	sweet clover	Fabaceae

Table A5 (cont.). Plant Names.

Species	Common name	Plant family
<i>Monarda fistulosa</i>	wild bergamot	Lamiaceae
<i>Morus alba</i>	white mulberry	Moraceae
<i>Muhlenbergia racemosa</i>	marsh muhly	Poaceae
<i>Panicum virgatum</i>	switchgrass	Poaceae
<i>Pastinaca sativa</i>	wild parsnip	Apiaceae
<i>Pedicularis canadensis</i>	lousewort	Scrophulariaceae
<i>Phalaris arundinacea</i>	reed canary grass	Poaceae
<i>Physalis heterophylla</i>	ground cherry	Solanaceae
<i>Physostegia parviflora</i>	obedient plant	Lamiaceae
<i>Poa pratensis</i>	Kentucky bluegrass	Poaceae
<i>Potentilla arguta</i>	tall cinquefoil	Rosaceae
<i>Ratibida pinnata</i>	yellow coneflower	Asteraceae
<i>Rubus sp.</i>	raspberry	Rosaceae
<i>Rudbeckia hirta</i>	black-eyed Susan	Asteraceae
<i>Rudbeckia triloba</i>	brown-eyed Susan	Asteraceae
<i>Schizachyrium scoparium</i>	little bluestem	Poaceae
<i>Senecio plattensis</i>	prairie ragwort	Asteraceae
<i>Setaria sp.</i>	foxtail	Poaceae
<i>Silphium integrifolium</i>	rosinweed	Asteraceae
<i>Silphium laciniatum</i>	compass plant	Asteraceae
<i>Silphium perfoliatum</i>	cup plant	Asteraceae
<i>Solanum americanum</i>	black nightshade	Solanaceae
<i>Solanum carolinense</i>	horse nettle	Solanaceae
<i>Solidago canadensis</i>	tall goldenrod	Asteraceae
<i>Solidago rigida</i>	stiff goldenrod	Asteraceae
<i>Solidago speciosa</i>	showy goldenrod	Asteraceae
<i>Sorghastrum nutans</i>	Indian grass	Poaceae
<i>Taraxacum officinale</i>	dandelion	Asteraceae
<i>Thalictrum dasycarpum</i>	purple meadow-rue	Ranunculaceae
<i>Toxicodendron radicans</i>	poison ivy	Anacardiaceae
<i>Tradescantia sp.</i>	spiderwort	Commelinaceae
<i>Trifolium hybridum</i>	alsike clover	Fabaceae
<i>Trifolium pratense</i>	red clover	Fabaceae
<i>Ulmus pumila</i>	Siberian elm	Ulmaceae
<i>Vernonia fasciculata</i>	ironweed	Asteraceae
<i>Veronicastrum virginicum</i>	Culver's root	Scrophulariaceae
<i>Vitis riparia</i>	riverbank grape	Vitaceae
<i>Zizia aurea</i>	golden alexanders	Apiaceae

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Table 1. Composite of Percent Relative Cover of Walking Transects.

Species	Walk 1	Walk 2	Walk 3	Walk 4	Walk 5	% Rel Cover
Prairie Grasses						
big bluestem	37.41	44.38	26.77	27.51	47.38	38.13
Indian grass	4.84	2.03	4.17	10.06	7.92	6.57
switchgrass		2.03	0.76	1.25	1.85	1.32
Canada wildrye		1.62	2.65		1.54	1.16
sedge	0.85					0.12
				Subtotal		47.31
Weedy Grasses						
Kentucky bluegrass	4.55	13.13	3.79	3.16	0.67	3.97
smooth brome	0.85	4.47			0.31	0.86
reed canary grass	0.85					0.12
				Subtotal		4.95
Prairie Forbs						
tall goldenrod	29.87	18.13	30.18	32.92	33.95	30.37
prairie ragwort	0.85	4.19	5.66	10.39	2.67	4.77
wild bergamot	10.67	0.81		0.08		1.63
rattlesnake master				4.07		0.89
wild lettuce	1.00	0.81		1.75	0.31	0.75
common horsetail			1.89	1.06	0.31	0.62
prairie sunflower				2.83		0.62
saw-tooth sunflower			0.76	1.75		0.50
hairy aster	0.85			0.50	0.62	0.45
showy tick-trefoil		0.81	1.89			0.40
milk vetch		2.03				0.28
field thistle	0.85		0.76			0.23
tall cinquefoil				1.00		0.22
tall coneflower	0.85					0.12
yellow coneflower	0.85					0.12
Canada anemone	0.85					0.12
Daisy fleabane	0.85					0.12
rigid sunflower			0.76			0.11
tall tickseed				0.50		0.11
ox-eye					0.31	0.11
				Subtotal		42.54
Weedy Forbs						
dandelion	1.00				0.31	0.25
field bindweed		0.95		0.08		0.15
Canada thistle					0.31	0.11
				Subtotal		0.51
Annual/biennial Weeds						
sweet clover		0.81	17.66			2.75
wild parsnip	2.56	2.98		0.50	1.23	1.32
giant ragweed			0.76			0.11
				Subtotal		4.18
Trees and Shrubs						
dogwood		0.81	0.76			0.23
riverbank grape			0.76	0.08		0.13
raspberry				0.50		0.11
poison ivy					0.31	0.11
				Subtotal		0.58

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Table 2. Composite of Percent Relative Cover of Permanent Plots.

Species	Percent Relative Cover										Average % Rel Cover
	PP1	PP2	PP3	PP4	PP5	PP6	PP7	PP8	PP10		
Prairie Grasses											
big bluestem	17.14	25.85	33.61	29.36	40.63	48.87	29.97	32.33	34.86		32.51
Indian grass	7.56	6.58	3.20	14.90	4.12	9.17	13.59	9.40	12.34		8.98
switchgrass	2.42	8.62		2.09		3.97	3.00	0.67	2.85		2.62
Canada wildrye					1.3	0.57	0.60	0.67	0.52		0.41
little bluestem								0.67	2.16		0.31
side-oats grama									0.52		0.06
sedge	0.10								0.52		0.07
										Subtotal	44.97
Weedy Grasses											
Kentucky bluegrass				3.77	0.52					4.14	0.94
foxtail species		2.04									0.23
smooth brome				0.98							0.11
										Subtotal	1.27
Prairie Forbs											
tall goldenrod	43.25	47.28	1.97	23.17	32.39	26.09	35.06	35.12	17.69		29.11
prairie ragwort	23.08		9.67	5.75	3.03	11.15	7.59	0.67	6.82		7.53
prairie sunflower				16.31							1.81
saw-tooth sunflower				15.66		0.11					1.75
common horsetail			2.05	10.37			0.09	2.40			1.66
hairy aster	0.20	0.68				4.55	0.57	1.80	3.02	1.12	1.33
golden alexanders									8.05		0.89
wild lettuce	1.81	0.68	1.31			1.30		1.20	0.67	0.09	0.78
wild bergamot			5.90								0.66
field thistle	2.52		0.49	0.61	0.11				0.22		0.44
showy tick-trefoil									3.69		0.41
clammy ground cherry						0.65			0.67	0.52	0.20
white avens	0.71										0.08
common milkweed								0.67			0.07
										Subtotal	46.73
Weedy Forbs											
dandelion	0.60		1.07	0.52	2.93			0.60	0.11	0.52	0.71
Canada thistle		0.68	0.49						1.34		0.28
horse nettle					0.65				1.34		0.22
field bindweed				0.65							0.07
										Subtotal	1.28
Annual/biennial Weeds											
sweet clover				12.72	0.11					14.67	3.06
wild parsnip		7.60	0.49		7.37						1.72
giant ragweed									0.67		0.07
common ragweed					0.11						0.01
										Subtotal	4.86
Trees and Shrubs											
raspberry			2.95								0.33
riverbank grape								2.70		0.17	0.32
dogwood								1.50			0.17
Siberian elm	0.60									0.52	0.12
white mulberry						0.09					0.01
Tartarian honeysuckle		0.08									0.01
										Subtotal	0.94

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Table 3. Percent Relative Cover of Permanent Plots 11 and 12.

Species	PP 11	PP 12	Mean Rel Cover	Code*	Category Total
big bluestem	13.86	3.08	8.47 PG		
Indian grass	8.87	4.66	6.77 PG		
side-oats grama	3.99	2.48	3.24 PG		
little bluestem		2.38	1.19 PG		
switchgrass		0.60	0.30 PG		
sedge		0.60	0.30 PG		20.25
Kentucky bluegrass	39.02	15.38	27.20 WG		
smooth brome	1.66	0.10	0.88 WG		28.08
yellow coneflower	11.97	17.36	14.67 PF		
tall goldenrod	9.87	19.35	14.61 PF		
ox-eye	4.43	2.08	3.26 PF		
stiff goldenrod	0.78	3.17	1.98 PF		
round-headed bush clover	0.67	3.08	1.87 PF		
smooth blue aster		3.67	1.84 PF		
ground cherry	0.67	2.78	1.72 PF		
showy goldenrod	1.33	1.79	1.56 PF		
tall cinquefoil		3.08	1.54 PF		
sky-blue aster		1.49	0.74 PF		
wild lettuce	0.67		0.33 PF		
New England aster		0.60	0.30 PF		
black-eyed Susan		0.10	0.05 PF		44.45
alsike clover	0.78	9.23	5.00 WF		
dandelion	1.33		0.67 WF		5.67
black medic		1.19	0.60 WA/B		
red clover		1.19	0.60 WA/B		
wild parsnip	0.11		0.06 WA/B		1.25
white mulberry		0.60	0.30 T/S		0.30
*/ Code=PG-prairie grass, WG-weedy grass, PF-prairie forb, WF-weedy forb WS/B-weedy annual or biennial, T/S-tree or shrub					100.00

*/ Code=PG-prairie grass, WG-weedy grass, PF-prairie forb, WF-weedy forb
WS/B-weedy annual or biennial, T/S-tree or shrub

Table 4. Percent Relative Cover of Permanent Plots 13 and 14..

Species	PP 13	PP 14	Mean Rel Cover	Code*	Category Total
big bluestem	2.32		1.16 PG		
marsh muhly		0.86	0.43 PG		1.59
reed canary grass	50.33	20.14	35.24 WG		
Kentucky bluegrass	0.66	14.00	7.33 WG		
smooth brome		0.86	0.43 WG		43.00
wild bergamot	13.91	23.86	18.88 PF		
brown-eyed Susan	10.60	26.00	18.30 PF		
cup plant	1.99	6.14	4.06 PF		
obedient plant	1.66	3.86	2.76 PF		
common horsetail	1.99		0.99 PF		
tall goldenrod	1.99		0.99 PF		
golden alexanders	0.66	0.86	0.76 PF		
sneezeweed		0.86	0.43 PF		
purple meadow-rue		0.86	0.43 PF		
field thistle	0.11		0.06 PF		47.66
black nightshade	11.15		5.57 WA/B		
wild parsnip	2.65		1.32 WA/B		
giant ragweed		0.86	0.43 WA/B		
Queen Anne's lace		0.86	0.43 WA/B		7.76
*/ Code=PG-prairie grass, WG-weedy grass, PF-prairie forb, WF-weedy forb WS/B-weedy annual or biennial, T/S-tree or shrub					100.00

*/ Code=PG-prairie grass, WG-weedy grass, PF-prairie forb, WF-weedy forb
WS/B-weedy annual or biennial, T/S-tree or shrub

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Table 5. Summary of Forb Transect Observations*.

Species	Forb 1				Forb 2			
	#Flo	#NF	#NoLo	#Pull	#Flo	#NF	#NoLo	#Pull
Bigtooth sunflower	2							
Compass plant	2	1	1		6	2		
Dogbane			2					
Golden alexanders	2		1		4			
Horsemint	1	2		1 dead				
Ironweed					1			
Lousewort					1			
Oxeye	1	1			6		1	
Pale coneflower	18	2	2		14	3	1	1
Purple prairie clover	1							
Rattlesnake master	1			1	25	1	2	1
Rigid goldenrod	1							
Rosinweed	5		1		9			
Smooth aster			1					
Spiderwort	2				2			
Tall bushclover	3		1		1			
Tall cinquefoil	4	2			40	2	2	1
Tick trefoil	3	1	13	21	6	2	1	8,1 dead
White false indigo	3				11	1	1	1
White prairie clover	5	1	1	1 dead	1			
Yellow coneflower	2	5	1		4	16		3

*#Flo=number flowering, #NF=number not flowering,
 #NoLo=number not located, #Pull=numbr of tags removed.