

Edwards Planting Project

History – pre-European settlement (1830's) – soil type indicates forest, not prairie, cover type

- annual row crop and pasture cover since before 1938
- 1977 abandoned, and plant succession proceeded into invasive shrubs and scattered tree cover

Soil Moisture-holding capacity: dry-mesic and xeric soils

Site Preparation Activities: 1993 – 2014 – woody invasive plant control; removal of all scattered young trees except black oak retained for future savanna-like conditions

2014 - 2016 - herbicide treatment of residual herbaceous “old field” cover

Planted – April 2017, into 3 separate burning units **Seed Source** – “**Regional Ecotype**” = \$681/acre cost (Upper Midwest – Iowa)

Area – 9.3 ac. of “warm season” native prairie species for savanna/prairie development

2.0 ac. of “cool-season” non-native spp. (orchard grass, timothy, ladino clover) for firebreaks

Burn Schedule (spring) – 2019 (all); 2020 - 2023 (one of 3 units, on rotation) then continuing rotation

Funding Sources: Indiana DNR Div. of Wildlife (\$2,035)

Total Project Cost= \$887/acre

- cost of site prep herbaceous weed control
- partial cost of seed

U.S Fish and Wildlife Service (\$3,350)

- partial cost of native seed

Pheasants Forever conservation organization (\$2,210)

- cost of pre-plant herbaceous weed control
- cost of planting seed

Ducks Unlimited Conservation organization (\$500)

- partial cost of seed

Grasses Planted

D-M= “dry-mesic”

X= “xeric”

big bluestem (<i>Andropogon gerardii</i>)	(D-M, X)	Canada wild rye (<i>Elymus canadensis</i>)	(D-M, X)
side-oats grama (<i>Bouteloua curtipendula</i>)	(D-M, X)	switchgrass (<i>Panicum virgatum</i>)	(D-M)
little bluestem (<i>Schizachyrium scoparium</i>)	(D-M, X)		

Forbs Planted

black-eyed Susan (<i>Rudbeckia hirta</i>)	(X, D-M)	false sunflower (<i>Heliopsis helianthoides</i>)	(X, D-M)
tall anemone (<i>Anemone virginiana</i>)	(X, D-M)	tall coreopsis (<i>Coreopsis tripteris</i>)	(X, D-M)
smooth penstemon (<i>Penstemon digitalis</i>)	(D-M)	showy goldenrod (<i>Solidago speciosa</i>)	(X)
hairy penstemon (<i>Penstemon hirsutus</i>)	(X)	stiff goldenrod (<i>Solidago rigida</i>)	(X-DM)
rough blazing star (<i>Liatris aspera</i>)	(X, D-M)	Ohio spiderwort (<i>Tradescantia ohiensis</i>)	(X, D-M,)
savanna blazing star (<i>Liatris scariosa</i>)	(X, D-M)	slender mountain mint (<i>Pycnanthemum tenuifolium</i>)	(X D-M)
wild bergamot (<i>Monarda fistulosa</i>)	(X, D-M)	butterfly weed (<i>Asclepias tuberosa</i>)	(X, D-M)
New England aster (<i>Aster novae-angliae</i>)	(D-M)	rosin weed (<i>Silphium integrifolium</i>)	(D-M)
smooth aster (<i>Aster laevis</i>)	(X)	cup plant (<i>Silphium perfoliatum</i>)	(D-M)
wild quinine (<i>Parthenium integrifolium</i>)	(X, D-M)	prairie dock (<i>Silphium terebinthinaceum</i>)	(X, D-M)
showy tick-trefoil (<i>Desmodium canadense</i>)	(X, D-M)	Missouri ironweed (<i>Vernonia missurica</i>)	(D-M)
round-headed bushclover (<i>Lespedeza capitata</i>)	(X, D-M)	white wild indigo (<i>Baptisia leucantha</i>)	(X, D-M)
grey-headed coneflower (<i>Ratibida pinnata</i>)	(X, D-M)	hoary vervain (<i>Verbena stricta</i>)	(X)