

327 CONSERVATION COVER POLLINATOR HABITAT

Seed Mix Design

DATE 1/6/2023

LANDOWNER

MN PF 327 Pollinator- CP2, CP42

N/A

TRACT/FIELD

COPY TO SEEDING PLAN

PLANNER

Pheasants Forever

N/A 0

Acres To Seed 1.00

Seed Tag type

(Set To N/A for Mix Design)

Background Information

Copy to Certifica

GRASS SPECIES	Input desired PLS	N/A	N/A	PLANNED % OF GRASS COMPONENT BY SEEDS/SQ. FOOT	Planned PLS/ Acre in lbs.	TOTAL SEEDS/ SQ. FOOT	% OF GRASS MIX BY SEEDS/FT 1/		SEEDS/lb.	SEEDS/ SQ. FOOT At 1 lb/ac Rate	POUNDS PLS
Big Bluestem	0.5			0 to 25	0.50	2.02	23.5	OK	176000	4.0	0.50
select Can or Virginia Wildrye				0 to 20	0.00	0.00	0.0	OK	96000	2.2	0.00
Little Bluestem	0.4			0 to 50	0.40	2.63	30.5	OK	286000	6.6	0.40
Prairie Dropseed				0 to 50	0.00	0.00	0.0	OK	224000	5.1	0.00
Rough Dropseed	0.19			0 to 25	0.19	2.09	24.3	OK	480000	11.0	0.19
Side-oats grama	0.45			0 to 25	0.45	1.86	21.6	OK	180000	4.1	0.45
					0.00	0.00	0.0	OK		0.0	0.00
					0.00	0.00	0.0	OK		0.0	0.00
					0.00	0.00	0.0	OK		0.0	0.00
					0.00	0.00	0.0	OK		0.0	0.00
TOTAL - Pounds PLS Drill Seeding					1.54	8.60	100.0				

1/ ACTUAL SEEDS PER SQUARE FOOT SHALL BE WITHIN THE RANGE SPECIFIED IN PLANNED CONDITION

FORB SPECIES	Input desired PLS	N/A	N/A		Planned PLS/ Acre in ounces.	TOTAL SEEDS/ SQ. FOOT	% OF FORB MIX BY SEEDS/FT 2/		SEEDS/oz	SEEDS/ SQ. FOOT At 1 oz/ac Rate	Bloom Period	BLOOM COLOR	OUNCES PLS
											Early = April-June Mid = June-August Late = August-Oct.		
DRY TO MESIC													
Butterfly Weed				Legume	0.00	0.00	0.0	OK	4300	0.10	Mid	Orange	0.00
Canada Milkvetch*	1				1.00	0.39	1.5	OK	17000	0.39	Mid	Cream	1.00
Compass Plant					0.00	0.00	0.0	OK	660	0.02	Mid	Yellow	0.00
Culvers Root	0.16				0.16	2.94	11.1	OK	800000	18.37	Mid	White	0.16
Dotted Blazingstar					0.00	0.00	0.0	OK	7000	0.16	Mid	Rose	0.00
Evening Primrose	1.6				1.60	3.31	12.5	OK	90000	2.07	Mid	Yellow	1.60
Foxglove Beardtongue	0.8				0.80	2.39	9.0	OK	130000	2.98	Early	Yellow	0.80
Ground Plum					0.00	0.00	0.0	OK	5200	0.12	Early	Purple	0.00
Hoary Vervain	0.24				0.24	0.15	0.6	OK	28000	0.64	Mid	Blue	0.24
Lance-leaved Coreopsis					0.00	0.00	0.0	OK	20000	0.46	Early	White	0.00
Leadplant	0.72			Legume	0.72	0.26	1.0	OK	16000	0.37	Mid	Purple	0.72
Long-headed Coneflower					0.00	0.00	0.0	OK	42000	0.96	Mid	Yellow	0.00
Ontario Blazingstar					0.00	0.00	0.0	OK	14000	0.32	Late	Purple	0.00
Purple Coneflower, Narrow Leaved					0.00	0.00	0.0	OK	7000	0.16	Mid	Pink	0.00
Purple Coneflower, Eastern	2				2.00	0.32	1.2	OK	7000	0.16	Mid	Pink	2.00
Rough Blazingstar					0.00	0.00	0.0	OK	16000	0.37	Late	Purple	0.00
Showy Goldenrod	0.1				0.10	0.22	0.8	OK	95000	2.18	Late	Yellow	0.10
Large-flowered Penstemon					0.00	0.00	0.0	OK	14000	0.32	Early	Lavender	0.00
Silky Aster					0.00	0.00	0.0	OK	26000	0.60	Late	Purple	0.00
Sky Blue Aster					0.00	0.00	0.0	OK	80000	1.84	Late	Blue	0.00
Smooth Aster	0.1			0.10	0.13	0.5	OK	55000	1.26	Late	Blue	0.10	
Spotted Beebalm				0.00	0.00	0.0	OK	70000	1.61	Mid	Lavender	0.00	
Stiff Sunflower				0.00	0.00	0.0	OK	4000	0.09	Mid	Yellow	0.00	
Stiff Tickseed				0.00	0.00	0.0	OK	10000	0.23	Mid	Yellow	0.00	
Wild Blue Phlox				0.00	0.00	0.0	OK	12500	0.29	Early	Blue	0.00	

Wild Columbine				Legume	0.00	0.00	0.0	OK	38000	0.87	Early	Red	0.00
Wild Lupine				Legume	0.00	0.00	0.0	OK	1100	0.03	Early	Lavender	0.00
Wild White Indigo				Legume	0.00	0.00	0.0	OK	1700	0.04	Early	White	0.00
Whorled Milkweed					0.00	0.00	0.0	OK	11000	0.25	Mid - Late	White	0.00

MESIC to WET MESIC													
Blue Vervain	1.28				1.28	2.73	10.3	OK	93000	2.13	Mid	Blue	1.28
Bottle Gentian					0.00	0.00	0.0	OK	280000	6.43	Late	Blue	0.00
Canada Tick Trefoil					0.00	0.00	0.0	OK	5500	0.13	Mid	Purple	0.00
Common Ox-eye	0.08				0.08	0.01	0.0	OK	6300	0.14	Mid	Yellow	0.08
Giant Sunflower					0.00	0.00	0.0	OK	10000	0.23	Late	Yellow	0.00
Golden Alexanders	0.24				0.24	0.06	0.2	OK	11000	0.25	Early	Yellow	0.24
Great Blue Lobelia	0.24				0.24	2.75	10.4	OK	500000	11.48	Late	Blue	0.24
Ironweed					0.00	0.00	0.0	OK	24000	0.55	Late	Purple	0.00
Meadow Blazingstar					0.00	0.00	0.0	OK	11000	0.25	Late	Purple	0.00
Mountain Mint	0.1				0.10	0.51	1.9	OK	220000	5.05	Mid	White	0.10
Partridge Pea	6.4				6.40	0.40	1.5	OK	2700	0.06	Mid	Yellow	6.40
Rattlesnake Master					0.00	0.00	0.0	OK	7500	0.17	Mid	White	0.00
Sawtooth Sunflower					0.00	0.00	0.0	OK	10000	0.23	Late	Yellow	0.00
Tall Blazingstar	0.08				0.08	0.02	0.1	OK	11000	0.25	Mid	Purple	0.08
Virginia Bluebells					0.00	0.00	0.0	OK	9700	0.22	Early	Blue	0.00
Wild Bergamot	1.6				1.60	2.57	9.7	OK	70000	1.61	Mid	Lavender	1.60
Yellow Coneflower	1.28				1.28	0.88	3.3	OK	30000	0.69	Mid	Yellow	1.28
WET													
Boneset					0.00	0.00	0.0	OK	160000	3.67	Late	White	0.00
Cup Plant					0.00	0.00	0.0	OK	1400	0.03	Mid	Yellow	0.00
Joe-pye Weed					0.00	0.00	0.0	OK	95000	2.18	Mid	Rose	0.00
New England Aster					0.00	0.00	0.0	OK	66000	1.52	Late	Purple	0.00
Panicled Aster					0.00	0.00	0.0	OK	156000	3.58	Late	White	0.00
Sneezeweed					0.00	0.00	0.0	OK	130000	2.98	Late	Yellow	0.00
Swamp Milkweed					0.00	0.00	0.0	OK	4800	0.11	Mid	Red	0.00
Wingstem					0.00	0.00	0.0	OK	9000	0.21	Mid	Yellow	0.00
DRY to WET MESIC													
Anise Hyssop	0.96				0.96	2.01	7.6	OK	91000	2.09	Mid	Purple	0.96
Black-eyed Susan	1.6				1.60	3.38	12.8	OK	92000	2.11	Late	Yellow	1.60
Common Milkweed	0.6				0.60	0.06	0.2	OK	4000	0.09	Mid	Purple	0.60
Cream Gentian					0.00	0.00	0.0	OK	140000	3.21	Late	Cream	0.00
Grassleaved Goldenrod					0.00	0.00	0.0	OK	350000	8.03	Mid	Yellow	0.00
Purple Prairie Clover	1.28				1.28	0.53	2.0	OK	18000	0.41	Mid	Purple	1.28
Maximilian Sunflower	0.16				0.16	0.05	0.2	OK	13000	0.30	Late	Yellow	0.16
Spiderworts	0.24				0.24	0.06	0.2	OK	10000	0.23	Early	Blue	0.24
Stiff Goldenrod	0.08				0.08	0.08	0.3	OK	41000	0.94	Late	Yellow	0.08
White Prairie Clover	0.5				0.50	0.22	0.8	OK	19000	0.44	Mid	White	0.50
Yellow Giant Hyssop					0.00	0.00	0.0	OK	91000	2.09	Late	Cream	0.00
ADDITIONAL APPROVED FORBS 5/													
shelly shally					0.00	0.00	0.0	OK		0.00			0.00
					0.00	0.00	0.0	OK		0.00			0.00
					0.00	0.00	0.0	OK		0.00			0.00
					0.00	0.00	0.0	OK		0.00			0.00
					0.00	0.00	0.0	OK		0.00			0.00
					0.00	0.00	0.0	OK		0.00			0.00
TOTAL - OUNCES PLS Drill Seeding					23.44	26.41	100.0						

TOTAL SEEDS/FT² 3/ OK
 PERCENT GRASS OK
 PERCENT FORBS 4/ OK

- 2/ Individual species not to exceed 20% of the forb component by seeds/ft
- 3/ Minimum 35-40 seeds/ft²
- 4/ 75-80% forbs
- 5/ Consult appropriate NRCS Area Resource Conservationist or Biologist for prior approval

Early Total	3.00
Mid Total	17.00
Late Total	6.00