

327 -420 CONSERVATION COVER POLLINATOR HABITAT

Seed Mix Design

DATE 1/2/2026

Copy to Seeding Plan

LANDOWNER

MN PF 327 Pollinator

N/A

TRACT/FIELD

PLANNER

Pheasants Forever

N/A

Acres To Seed

1.00

Seed Tag type

Seed Mix Design

Set Seed Tag Type to Seed Mix Design

Background Information

GRASS SPECIES	REF #	Input Desired PLS	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
				Planned			Can't Exceed Planned %			
Big bluestem	1	0.2		0 to 25	0.20	0.81	8.9	OK	176000	0.20
Blue grama	3	0.1		0 to 20	0.10	1.72	19.0	OK	750000	0.10
Indiangrass	7	0.2		0 to 25	0.20	0.89	9.8	OK	193000	0.20
Little bluestem	6	0.4		0 to 30	0.40	2.63	28.9	OK	286000	0.40
Prairie cordgrass	8			0 to 5	0.00	0.00	0.0	OK	183000	0.00
Prairie dropseed	10			0 to 10	0.00	0.00	0.0	OK	224000	0.00
Prairie sandreed	4			0 to 30	0.00	0.00	0.0	OK	275000	0.00
Rough dropseed	9	0.05		0 to 10	0.05	0.55	6.1	OK	480000	0.05
Side oats grama	2	0.6		0 to 30	0.60	2.48	27.3	OK	180000	0.60
Switchgrass	5			0 to 5	0.00	0.00	0.0	OK	390000	0.00
				0	0.00	0.00	0.0	OK	0	0.00
				0	0.00	0.00	0.0	OK	0	0.00
				0	0.00	0.00	0.0	OK	0	0.00
If no species entered this row	199			0	0.00	0.00	0.0	OK	0	0.00
If no species entered this row	199			0	0.00	0.00	0.0	OK	0	0.00
If no species entered this row	199			0	0.00	0.00	0.0	OK	0	0.00
Canada bluejoint	13			0 to 5	0.00	0.00	0.0	OK	4480000	0.00
Canada wild rye	14			0 to 10	0.00	0.00	0.0	OK	115000	0.00
Green needlegrass	21			0 to 10	0.00	0.00	0.0	OK	180000	0.00
Junegrass	20			0 to 5	0.00	0.00	0.0	OK	2315000	0.00
Kalms brome	12			0 to 10	0.00	0.00	0.0	OK	128000	0.00
Porcupine grass	19			0 to 10	0.00	0.00	0.0	OK	57000	0.00
Slender wheatgrass	15			0 to 10	0.00	0.00	0.0	OK	155000	0.00
Virginia wild rye	16			0 to 10	0.00	0.00	0.0	OK	96000	0.00
Western wheatgrass	22			0 to 10	0.00	0.00	0.0	OK	112000	0.00
Fringed brome	11			0 to 10	0.00	0.00	0.0	OK	160000	0.00
American mannagrass	17			0 to 10	0.00	0.00	0.0	OK	1280000	0.00
Fowl mannagrass	18			0 to 10	0.00	0.00	0.0	OK	2561328	0.00
Bicknell's sedge	23			0 to 10	0.00	0.00	0.0	OK	560000	0.00
Common fox sedge	27			0 to 10	0.00	0.00	0.0	OK	1598652	0.00
Pointed broom sedge	25			0 to 10	0.00	0.00	0.0	OK	1346000	0.00
			0							
TOTAL - Pounds PLS Drill Seeding					1.55	9.07	100.0			

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

FORB SPECIES	REF #	Input Desired PLS	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 Early = April-June Mid = June-August Late = August-Oct.	BLOOM COLOR	OUNCES PLS
DRY TO MESIC											
Butterfly weed	42			0.00	0.00	0.0	OK	4300	Mid	Orange	0.00
Canada milkvetch	44	1		1.00	0.39	1.5	OK	17000	Mid	Cream	1.00
Compass plant	67			0.00	0.00	0.0	OK	660	Mid	Yellow	0.00
Culver's root	103	0.16		0.16	2.94	11.1	OK	800000	Mid	White	0.16
Dotted blazing star	30			0.00	0.00	0.0	OK	7000	Mid	Purple	0.00
Evening primrose	117	1.6		1.60	3.31	12.5	OK	90000	Mid	Yellow	1.60
Foxglove Beardtongue	62	0.8		0.80	2.39	9.0	OK	130000	Early	White	0.80
Ground plum	28			0.00	0.00	0.0	OK	5200	Early	Purple	0.00
Hoary vervain	74	0.24		0.24	0.15	0.6	OK	28000	Mid	Blue	0.24
Lance-leaved coreopsis	48			0.00	0.00	0.0	OK	20000	Early	Yellow	0.00
Leadplant	37	0.72		0.72	0.26	1.0	OK	16000	Mid	Purple	0.72
Long-headed coneflower	64	0.336		0.34	0.32	1.2	OK	42000	Mid	Yellow	0.34
Ontario blazing star	29			0.00	0.00	0.0	OK	14000	Late	Purple	0.00
	53							0.16			
Purple Coneflower - Narrow				0.00	0.00	0.0	OK	7000	Mid	Pink	0.00
Purple Coneflower - Eastern	113			0.00	0.00	0.0	OK	7000	Mid	Pink	0.00
Rough blazing star	58			0.00	0.00	0.0	OK	16000	Late	Purple	0.00
Showy goldenrod	69	0.1		0.10	0.22	0.8	OK	95000	Late	Yellow	0.10
Large-flowered penstemon (S)	32			0.00	0.00	0.0	OK	14000	Early	Lavender	0.00
Silky aster	33			0.00	0.00	0.0	OK	26000	Late	Purple	0.00
Sky blue aster	71			0.00	0.00	0.0	OK	80000	Late	Blue	0.00
Smooth aster	70	0.1		0.10	0.13	0.5	OK	55000	Late	Blue	0.10
Spotted beebalm	60			0.00	0.00	0.0	OK	70000	Mid	Lavender/Gre	0.00
Stiff sunflower	55			0.00	0.00	0.0	OK	4000	Late	Yellow	0.00
Stiff stickseed	49			0.00	0.00	0.0	OK	10000	Mid	Yellow	0.00
Whorled milkweed	43			0.00	0.00	0.0	OK	11000	Mid	White	0.00
Wild columbine	39			0.00	0.00	0.0	OK	38000	Early	Red	0.00
Wild lupine	31			0.00	0.00	0.0	OK	1100	Early	Purple	0.00
White wild indigo	45			0.00	0.00	0.0	OK	1700	Early	White	0.00
MESIC to WET MESIC											

Copy to Certification

Blue vervain	101	1.28			1.28	2.73	10.3	OK	93000	2.13	Mid	Blue	0.00
Bottle gentian	83				0.00	0.00	0.0	OK	280000	6.43	Late	Blue	0.00
Canada tick trefoil	79				0.00	0.00	0.0	OK	5500	0.13	Mid	Purple	0.00
Common oxeye	86	0.08			0.08	0.01	0.0	OK	6300	0.14	Mid	Yellow	0.08
Giant sunflower	84				0.00	0.00	0.0	OK	10000	0.23	Late	Yellow	0.00
Golden Alexander	104	0.24			0.24	0.06	0.2	OK	11000	0.25	Early	Yellow	0.24
Great blue lobelia	91	0.24			0.24	2.75	10.4	OK	500000	11.48	Late	Blue	0.24
Ironweed	102				0.00	0.00	0.0	OK	24000	0.55	Late	Purple	0.00
Meadow blazing star	89				0.00	0.00	0.0	OK	11000	0.25	Late	Purple	0.00
Mountain mint	97	0.1			0.10	0.51	1.9	OK	220000	5.05	Mid	White	0.10
Partridge pea	46	6.4			6.40	0.40	1.5	OK	2700	0.06	Mid	Yellow	6.40
Rattlesnake master	81				0.00	0.00	0.0	OK	7500	0.17	Mid	White	0.00
Sawtooth sunflower	85				0.00	0.00	0.0	OK	10000	0.23	Late	Yellow	0.00
Tall blazing star	90	0.08			0.08	0.02	0.1	OK	11000	0.25	Late	Purple	0.08
Yellow coneflower	65	1.28			1.28	0.88	3.3	OK	30000	0.69	Mid	Yellow	1.28
Wild bergamot	94	1.6			1.60	2.57	9.7	OK	70000	1.61	Mid	Lavender	1.60
WET													
Boneset	105				0.00	0.00	0.0	OK	160000	3.67	Late	White	0.00
Cup plant	110				0.00	0.00	0.0	OK	1400	0.03	Mid	Yellow	0.00
Joe pye weed	106				0.00	0.00	0.0	OK	95000	2.18	Mid	Pink	0.00
New England aster	99				0.00	0.00	0.0	OK	66000	1.52	Late	Purple	0.00
Panicked aster	111				0.00	0.00	0.0	OK	156000	3.58	Late	White	0.00
	107									2.98			
Sneezeweed					0.00	0.00	0.0	OK	130000		Late	Yellow	0.00
Swamp milkweed	78									0.11			
					0.00	0.00	0.0	OK	4800		Mid	Pink	0.00
DRY to WET MESIC													
Anise hyssop	35	0.96			0.96	2.01	7.6	OK	91000	2.09	Mid	Purple	0.96
Black-eyed susan	120	1.6			1.60	3.38	12.8	OK	92000	2.11	Mid	Yellow	1.60
Common milkweed	112	0.6			0.60	0.06	0.2	OK	4000	0.09	Mid	Pink	0.00
Cream gentian	115				0.00	0.00	0.0	OK	140000	3.21	Late	Cream	0.00
Grass-leaved goldenrod	82				0.00	0.00	0.0	OK	350000	8.03	Mid	Yellow	0.00
Purple prairie clover	51	1.28			1.28	0.53	2.0	OK	18000	0.41	Mid	Purple	1.28
	116									0.30			
Maximilian sunflower		0.16			0.16	0.05	0.2	OK	13000		Late	Yellow	0.16
Longbract spiderwort	72	0.24			0.24	0.06	0.2	OK	10000	0.23	Early	Blue	0.24
Stiff goldenrod	118	0.08			0.08	0.08	0.3	OK	41000	0.94	Late	Yellow	0.08
White prairie clover	50	0.5			0.50	0.22	0.8	OK	19000	0.44	Mid	White	0.50
Prairie spiderwort	73				0.00	0.00	0.0	OK	8000	0.18	Early	Blue	0.00
ADDITIONAL APPROVED FORBS g/													
If no species entered this row	199				0.00	0.00	0.0	OK	0	0.00	0	0	0.00
If no species entered this row	199				0.00	0.00	0.0	OK	0	0.00	0	0	0.00
If no species entered this row	199				0.00	0.00	0.0	OK	0	0.00	0	0	0.00
If no species entered this row	199				0.00	0.00	0.0	OK	0	0.00	0	0	0.00
If no species entered this row	199				0.00	0.00	0.0	OK	0	0.00	0	0	0.00
If no species entered this row	199				0.00	0.00	0.0	OK	0	0.00	0	0	0.00
If no species entered this row	199				0.00	0.00	0.0	OK	0	0.00	0	0	0.00
If no species entered this row	199				0.00	0.00	0.0	OK	0	0.00	0	0	0.00
If no species entered this row	199				0.00	0.00	0.0	OK	0	0.00	0	0	0.00
If no species entered this row	199				0.00	0.00	0.0	OK	0	0.00	0	0	0.00
If no species entered this row	199				0.00	0.00	0.0	OK	0	0.00	0	0	0.00
If no species entered this row	199				0.00	0.00	0.0	OK	0	0.00	0	0	0.00
TOTAL - OUNCES PLS Drilled													
0					21.78	26.41	100.0						

TOTAL SEEDS/FT ² 3/				35.5	OK	2/ Individual species not to exceed 20% of the forb component by seeds/ft
PERCENT GRASS				25.57	OK	3/ Minimum 35-40 seeds/ft ²
PERCENT FORBS 4/				74.43	OK	4/ 50-75% forbs
1, Indiangrass and Switch combined are < 10% of mix				4.8	OK	5/ Consult appropriate NRCS Area Resource Conservationist or Biologist for prior approval
						6/ 25-50% grasses
						7/ Must Have 3 species from each bloom period

Total Species by Bloom Period	
Early Total	3.00
Mid Total	17.00
Late Total	6.00

Optional Trees and Shrubs				Bloom Period
American Plum			Prunus s	April - May
Black Willow			Salix nig	April - May
Button Bush			Cephal	June - August
Common Chokecherry			Prunus s	April - June
Common Ninebark			Physoca	May - July
False Indigo*			Amorph	June - August
Fragrant False Indigo*			Amorph	June - August
New Jersey Tea			Ceanoth	June - August
Pussy Willow			Salix dis	April - May
Red Osier Dogwood			Cornus s	May - August
Saskatoon Serviceberry			Amelan	April - May
Silky Dogwood			Cornus s	May - July
Wild Rose			Rosea s	June -August