

327 -420 CONSERVATION COVER POLLINATOR HABITAT

Seed Mix Design

DATE 5/24/2024

Copy to Seeding Plan

LANDOWNER MN PF 327 Pollinator

N/A

TRACT/FIELD

PLANNER Pheasants Forever

N/A 0

Acres To Seed 1.00

Seed Tag type Seed Mix Design

Set Seed Tag Type to Seed Mix Design

Background Information

Copy to Certification

GRASS SPECIES	REF #	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
					Planned			Can't Exceed	Planned %			
Big bluestem	1	0.2			0 to 25	0.20	0.81	8.9	OK	176000	4.0	0.20
Blue grama	3	0.1			0 to 20	0.10	1.72	19.0	OK	750000	17.2	0.10
Indiangrass	7	0.2			0 to 25	0.20	0.89	9.8	OK	193000	4.4	0.20
Little bluestem	6	0.4			0 to 30	0.40	2.63	28.9	OK	286000	6.6	0.40
Prairie cordgrass	8				0 to 5	0.00	0.00	0.0	OK	183000	4.2	0.00
Prairie dropseed	10				0 to 10	0.00	0.00	0.0	OK	224000	5.1	0.00
Prairie sandreed	4				0 to 30	0.00	0.00	0.0	OK	275000	6.3	0.00
Rough dropseed	9	0.05			0 to 10	0.05	0.55	6.1	OK	480000	11.0	0.05
Side oats grama	2	0.6			0 to 30	0.60	2.48	27.3	OK	180000	4.1	0.60
Switchgrass	5				0 to 5	0.00	0.00	0.0	OK	390000	9.0	0.00
					0	0.00	0.00	0.0	OK	0	0.0	0.00
					0	0.00	0.00	0.0	OK	0	0.0	0.00
					0	0.00	0.00	0.0	OK	0	0.0	0.00
If no species entered this row	199				0	0.00	0.00	0.0	OK	0	0.0	0.00
If no species entered this row	199				0	0.00	0.00	0.0	OK	0	0.0	0.00
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Canada bluejoint	13				0 to 5	0.00	0.00	0.0	OK	4480000	102.8	0.00
Canada wild rye	14				0 to 10	0.00	0.00	0.0	OK	115000	2.6	0.00
Green needlegrass	21				0 to 10	0.00	0.00	0.0	OK	180000	4.1	0.00
Junegrass	20				0 to 5	0.00	0.00	0.0	OK	2315000	53.1	0.00
Kalms brome	12				0 to 10	0.00	0.00	0.0	OK	128000	2.9	0.00
Porcupine grass	19				0 to 10	0.00	0.00	0.0	OK	57000	1.3	0.00
Slender wheatgrass	15				0 to 10	0.00	0.00	0.0	OK	155000	3.6	0.00
Virginia wild rye	16				0 to 10	0.00	0.00	0.0	OK	96000	2.2	0.00
Western wheatgrass	22				0 to 10	0.00	0.00	0.0	OK	112000	2.6	0.00
Fringed brome	11				0 to 10	0.00	0.00	0.0	OK	160000	3.7	0.00
American mannagrass	17				0 to 10	0.00	0.00	0.0	OK	1280000	29.4	0.00
Fowl mannagrass	18				0 to 10	0.00	0.00	0.0	OK	2561328	58.8	0.00
Bicknell's sedge	23				0 to 10	0.00	0.00	0.0	OK	560000	12.9	0.00
Common fox sedge	27				0 to 10	0.00	0.00	0.0	OK	1598652	36.7	0.00
Pointed broom sedge	25				0 to 10	0.00	0.00	0.0	OK	1346000	30.9	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	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	0.10	Mid	Orange	0.00
Canada milkvetch	44	1		Legume	1.00	0.39	1.5	OK	17000	0.39	Mid	Cream	1.00

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
Panicled aster	111				0.00	0.00	0.0	OK	156000	3.58	Late	White	0.00
Sneezeweed	107				0.00	0.00	0.0	OK	130000	2.98	Late	Yellow	0.00
Swamp milkweed	78				0.00	0.00	0.0	OK	4800	0.11	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			0.16
Maximilian sunflower		0.16			0.16	0.05	0.2	OK	13000		Late	Yellow	
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
TOTAL - OUNCES PLS Drilled	0				23.44	26.41	100.0						

TOTAL SEEDS/FT ² 3/	35.5	OK
PERCENT GRASS	25.57	Ok
PERCENT FORBS 4/	74.43	Ok
n, Indiangrass and Switch combined are < 10% of mix	4.8	OK

- 2/ Individual species not to exceed 20% of the forb component by seeds/ft
- 3/ Minimum 35-40 seeds/ft²
- 4/ 50-75% forbs
- 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

Early Total	3.00
Mid Total	17.00
Late Total	6.00