

Instructions

Please download this Word document (available on the Industrial Commission/Outdoor Heritage Fund Program website at <http://www.nd.gov/ndic/outdoor-infopage.htm>) to your computer and provide the information as requested. You are not limited to the spacing provided. After completing the report, save it and attach it to an e-mail and send it to outdoorheritage@nd.gov AND print it and mail it to: North Dakota Industrial Commission, ATTN: Outdoor Heritage Fund Program, State Capitol – Fourteenth Floor, 600 East Boulevard Ave. Dept. 405, Bismarck, ND 58505. If you are unable to scan attachments, mail them with your paper copy of the report. You will be sent a confirmation by e-mail of receipt of your report and attachments.

Outdoor Heritage Fund Status and Final Report Form/Guidelines			
This report is used to show progress of grant projects funded through the Outdoor Heritage Fund. Status Reports and the Final Report must be submitted as required in Contract.			
Contract Number 002-033	Report Date 12/31/2015	Period Covered by Report (01/01/15 to 12/31/15)	
Project Name North Dakota Pollinator Partnership			
Project Sponsor Name Pheasants Forever			
Responsible Official (Last, First Middle) Olson, Matthew P		Responsible Official's Title North Dakota Regional Representative	
Project Sponsor Address 504 Jackson Ave E #103			
City Lisbon	State North Dakota	Zip Code 58054	Telephone Number (701) 202-8120
<u>Financial Update</u>			
Please provide the following information regarding the funding for your project based on the contract award:			
<u>Funds Spent this Reporting Period</u>			
(As appropriate please provide copies of receipts for purchases)			
Match Funding \$ 9,963.42			
In-kind Funding \$ 700.02			
OHF Funding Requested for Reimbursement \$ 2,057.90			
Total Funding Expended for this Reporting Period \$ 12,721.34			
<u>Total Funds Spent to Date</u>			
Match Funding \$ 11,548.92			
In-kind Funding \$ 1,379.52			
OHF Funding Received and Requested for Reimbursement \$ 18,375 Received \$2,057.90 Requested			
Total Funding Expended to Date \$ 14,986.34			
<u>Balance of Grant Funds</u>			
Match Funding \$ 68,451.08			
In-kind Funding \$ 37,749.48			
OHF Funding still to be Requested \$ 155,375			
Total Funding to be Expended on this Project \$ 292,879			
Do you anticipate needing to request a grant extension If yes, please explain			
/X/ Yes /_/ No			

Work Completed during Period Covered by Report:

(This information will be posted on the Outdoor Heritage Fund/Industrial Commission website)

Over the past year we have enrolled 6 applicants into the North Dakota Pollinator Partnership (NDPP). This spring, seeding was completed on 91.7 acres on two of the new WRP's enrolled in the program. This fall we had herbicide applications applied to 20 acres on two of our enhancement WRP's to start preparing them for seeding next year. We also have 26.6 acres that were seeded late this fall on a new WRP tract. We have yet to receive all of the documents required so we are not able to submit expenses for this tract at this time. We also just recently finalized an agreement for a WRP that will have 354.2 acres of seeding completed next year.

Of the total of 492.5 acres that we have agreements for, 472.5 acres are new plantings and 20 acres are on WRP's that are being enhanced. All of these acres are within 2 miles of a honeybee apiary providing an incredible boost of available foraging habitat for honeybees. In terms of public access, of the WRP's enrolled in this partnership, two of them are enrolled in PLOTS totaling 560 acres and one of them is 616 acres that will be managed as a Wildlife Management Area by the North Dakota Game and Fish Department which will allow public access as well. The two sites that are in the process of being renovated both were sprayed with glyphosate late this fall to maximize the effects to cool-season grasses like Kentucky bluegrass and smooth brome. One of the sites was also grazed in the fall to remove excess residue. Partners involved with our projects so far include 5 private landowners, the American Foundation for Wildlife, the North Dakota Game and Fish Department, the Outdoor Heritage Fund, and Pheasants Forever. Right now there is no update on the success of completed plantings as they have not yet seen a full growing season to establish.

Throughout this year we have processed \$2,057.90 in grant payments for this year. We have paid \$1,464.10 to landowners for their grass seed cost share; as well as \$593.80 for glyphosate application on WRP's being renovated. Pheasants Forever did contract with the Urban Law Group to create a landowner contract for this grant. The total cost of their services equaled \$2,265. Of the \$2,265, Pheasants Forever is providing \$1,585.50 in match and \$679.50 in in-kind. We also paid \$793.42 to the sign company for signs to acknowledge the partnership on parcels enrolled in the program that Pheasants Forever is offering as match. As far as matching funds through the two completed plantings, NRCS has provided \$6,877.50 in match through their cost-share for grass plantings on lands enrolled in WRP and landowners have provided \$2,292.50 in cost for their grass seed as outlined in the agreement. Pheasants Forever also provided \$700.20 in grant administration costs as in-kind for this grant as well.

I have also attached copies of the improved grass seed sheet plans for all of the program participants. Three of these are finalized as they have already been seeded but for the three other plans there may be some substitution depending on availability of seed next spring. As you can see from the seed sheets, these are extremely diverse plantings with anywhere from 23-45 species in the mix. Also there are at least three species in each mix that will be in bloom in the early, middle, and late blooming periods which will provide plentiful forage for both honeybees and native pollinator species (ie. Butterflies, bumblebees, etc.). As you can see from the seed sheets this is a statewide program that has/will impact lands in Slope, Adams, Stutsman, Benson, Barnes, and Ransom counties.

As stated in the status report filed in June, we will need an extension for this grant to go to December 31, 2016. The two WRP's that are signed up to be enhanced will be seeded next spring but have clipping as an available management practice and would not be able to be completed until the fall of next year.

Photos of work completed are welcome (If appropriate, please submit photos of key elements of the project completed or in progress during reporting period) Do not exceed five photos per project report.

Signature of Responsible Official



The project reports shall be provided to the Commission in both electronic and hard-copy formats with permission for unrestricted distribution. The electronic versions shall be in a suitable format for posting on the Outdoor Heritage Fund/Commission website.

PLANNING OR DATA SHEET FOR GRASS AND / OR LEGUME SEEDING

Yellow indicates required entry, blue optional entry.

Section	Township	Range
Insert map here, then resize.		
	2	

Name: _____ Acres: 15 Tract / Field: _____ Date: 10/19/15
 Address: _____ Planned Use: Pollinator Habitat Design By: Justin Edwards/Jaden Honeyman
 County: Adams MLRA 54 Ecological Site: Sandy Forage Suitability Group: _____
 Program: WRP - Wetland Reserve Program Contract Number: _____ CIN: _____

SEEDBED PREPARATION: Companion Crop, if used: _____ Rate _____ Seeding Method Grass _____ Planned Seeding Date: April 20 to June 1
 _____ Lbs./Acre _____ Date Seeding Completed: _____

NOTE: Some agricultural herbicides used have moderate to strong persistence in the soil and some herbicides do inhibit grass and/or legume germination and growth. If use of these herbicide(s) is known or suspected, be sure to check with the local county agent or consult the current NDSU-Extension Service Weed Control Guide for information on possible planting restrictions.

No-Till Method - Seed into weed-free, standing stubble, without further seedbed preparation. Use of a non-selective herbicide application may be needed to control weeds (refer to NDSU-EXT Service for information). Excess residue (straw, chaff or forage) should be adequately spread over the field or removed to ensure good seed-soil contact at a depth of 1/4 to 3/4 inch during the seeding operation. All seed must meet the requirements of the North Dakota State Seed Laws and Regulations and must be officially tested for purity and germination to enable pure live seed (PLS) calculations to determine proper seeding rates. Germination tests for all species must be no more than twelve months old prior to seeding.

Seedbed Preparation & Seeding Operation Performed: _____

WEED CONTROL: Clip or use approved herbicides to control undesirable plants, clipping should be delayed until after July 15 to prevent damage to nesting birds. Clipping height should be adjusted to a minimum of 12 inches to minimize damage to permanent seedlings. Clipping should be completed prior to weed seed formation.
 Must control noxious weeds. NO BROADCAST SPRAYING WILL BE ALLOWED UNLESS DIRECTED BY PHEASANTS FOREVER STAFF

Help to insert an image on the area above.

ADDITIONAL REMARKS: _____

For additional design information, refer to the Herbaceous Vegetation Establishment Guide found in eField Office Technical Guide, Section I, Reference Subjects.

	(1) Species	(2) Variety	(3) FULL SEEDING PLS Lbs /Ac	(4) PERCENT IN MIXTURE	(5) PLANNED		(6) PLANNED		(8) Percent Purity or Pure Seed	(9) Percent Germination + Hard Seed	(10) Total Lbs. Bulk Seed Purchased	(11) TOTAL PLS LBS. SEEDED (8X9X10)
					Pure Live Seed Lbs/Ac (3)X(4)	ACRES TO BE SEEDED	TOTAL PLS Lbs (5)X(6)	Total Planned PLS Pounds =				
1	Shell-leaf Penstemon	Early	4.00	2.00%	0.08	15.0	1.2					0.0
2	Silvery Lupine	Early	8.00	2.00%	0.16	15.0	2.4					0.0
3	Stiff Sunflower	N/A	2.50	1.00%	0.03	15.0	0.4					0.0
4	White prairieclover	Mid	3.90	5.00%	0.20	15.0	2.9					0.0
5	Leadplant	Late	5.40	1.50%	0.08	15.0	1.2					0.0
6	American Vetch	N/A	36.00	0.25%	0.09	15.0	1.4					0.0
7	Black-eyed Susan	Early	0.80	2.00%	0.02	15.0	0.2					0.0
8	Butterfly milkweed	Mid	18.20	0.25%	0.04	15.0	0.6					0.0
9	Dotted gayfeather	Late	8.00	0.25%	0.02	15.0	0.3					0.0
10	Canada Goldenrod	Mid	0.20	0.50%	0.00	15.0	0.0					0.0
11	Missouri Goldenrod	Late	0.50	1.75%	0.01	15.0	0.1					0.0
12												
13												
14	Common Milkweed	Mid	11.0	0.50%	0.06	15.0	0.8					0.0
15	Rocky Mountain Bee Plant	Early	20.0	0.50%	0.10	15.0	1.5					0.0
					17.50%	Total Planned PLS Pounds =	13.1	Total Seeded PLS Pounds =				

CERTIFICATION:

Is the germ test date for all species within 12 months of when it was planted (not including the month of the test)?

Are the seeded species approved named varieties? If not, is the Origin within the states listed in the spec?

Was the planting completed in the required seeding window? Enter date planting completed above.

Does the seeded mix match what was planned? If not, are species seeded suited for site and meet specs?

Total PLS seeded (column 11) will be within +/- 10% of planned PLS (column 7). **0%**

This practice meets FOTG Standards and Specifications:

 Certifying Official - NRCS

 Date

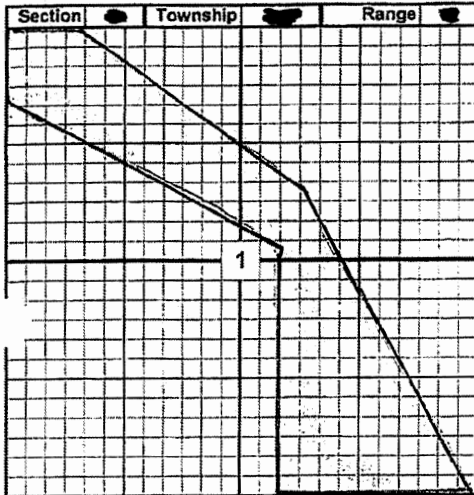
Notes/Remarks: _____

1 of 2

PLANNING OR DATA SHEET FOR POLLINATOR SPECIES LIST

Yellow indicates required entry, blue optional entry.

Name: _____ Acres: 26.6 Tract / Field: _____ Date: 08/25/15
 Address: _____ Planned Use: Pollinator Habitat Design By: Sheryl
 County: Stutsman (55B) MLRA 55B Planting Type: Perennial
 Ecological Site: Lmy-Subirrigated Thin I Forage Suitability Group: _____



Program: WRP - Wetland Reserve Program Contract Number: _____ CIN: _____
 Companion Crop, if used: _____ Planned Seeding Date: Statewide Late Fall (Dormant) - November 1st
 Crop _____ Rate #/Ac _____ Seeding Method: Grass Soil temp 40 degrees F or less @ 2" depth for 5 consecutive days
 Date Seeding Completed: 20-Nov-15
 No-Till Method - Seed into weed-free, standing stubble, without further seedbed preparation. Use of a non-selective herbicide application may be needed to control weeds (refer to NDSU-EXT Service for information). Excess residue (straw, chaff or forage) should be adequately spread over the field or removed to ensure good seed-soil contact at a depth of 1/4 to 3/4 inch during the seeding operation. All seed must meet the requirements of the North Dakota State Seed Laws and Regulations and must be officially tested for purity and germination to enable pure live seed (PLS) calculations to determine proper seeding rates. Germination tests for all species must be no more than twelve months old prior to seeding.
 Completed Seedbed Prep & Seeding Operations: Rented the Truax Drill from the SCSCD to seed grass.
 Pest Management Considerations: Clip or use approved herbicides to control undesirable plants, clipping should be delayed until after July 15 to prevent damage to nesting birds. Clipping height should be adjusted to a minimum of 12 inches to minimize damage to permanent seedlings. Clipping should be completed prior to weed seed formation.
Noxious weeds will be controlled for the life of the contract.

Help to insert an image on the area above.

For additional design information, refer to the Herbaceous Vegetation Establishment Guide found in eField Office Technical Guide, Section I, Reference Subjects, Plant Materials subsection.

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
	Species	Variety	Bloom Period	FULL SEEDING PLS Lbs./Ac	PERCENT IN MIXTURE	PLANNED PLS/Ac (3)X(4)	ACRES TO BE SEEDED	PLANNED TOTAL PLS Lbs (5)X(6)	Percent Purity or Pure Seed	Percent Germination + Hard Seed	Total Lbs. Bulk Seed Purchased	TOTAL PLS LBS. SEEDED (8)X(9)
1	Milkweed, Common	Common	Mid-season	11.00	1.00%	0.11	26.6	2.9	97.50%	88%	5.6	4.8
2	Evening Primrose		Early	0.80	2.00%	0.02	26.6	0.4	99.76%	13%	3.1	.4
3	Heath aster		Mid-season	0.40	2.00%	0.01	26.6	0.2	89.47%	21%	1.6	.3
4	Ironweed		Late	2.80	2.00%	0.06	26.6	1.5	90.22%	12%	13.8	1.5
	Lewis Flax		Early	3.80	2.00%	0.08	26.6	2.0	99.90%	81%	2.5	2.0
	Western Yarrow		#N/A	0.40	2.00%	0.01	26.6	0.2	98.53%	89%	0.2	.2
7	Sunflower, Maximilian		Late	1.00	2.00%	0.02	26.6	0.5	99.68%	88%	0.6	.5
8	Sunflower, Stiff		#N/A	2.50	2.00%	0.05	26.6	1.3	99.30%	83%	1.6	1.3
9	Plains Coreopsis		Early	0.70	3.00%	0.02	26.6	0.6	97.50%	88%	0.7	.6
10	Prairieclover, White		Mid-season	3.90	2.00%	0.08	26.6	2.1	99.74%	81%	2.6	2.1
11	Blanketflower		Mid-season	7.00	2.00%	0.14	26.6	3.7	98.94%	93%	4.0	3.7
12	Partridge Pea		Late	17.50	2.00%	0.35	26.6	9.3	99.74%	92%	10.1	9.3
13	Wild bergamont		#N/A	0.90	2.00%	0.02	26.6	0.5	95.75%	32%	1.7	.52
14								25.2*				
15					26.00%							27.22

Certification: Seed Tags Available? Yes

YES Is the germ test date for all species within 12 months of when it was planted (not including the month of the test)?

YES Are the seeded species approved named varieties? If not, is the Origin within the states listed in the spec?

YES Was the planting completed in the required seeding window? Enter date planting completed above.

YES Does the seeded mix match what was planned?? If not, are species seeded suited for site and meet specs?

This practice meets FOTG Standards and Specifications: YES

Sheryl Smith 11/23/15

Notes/Remarks:

PLANNING OR DATA SHEET FOR GRASS AND / OR LEGUME SEEDING

Yellow indicates required entry, blue optional entry.

Name: _____ Acres: 26.6 Tract / Field: _____ Date: 08/25/15

Address: _____ Planned Use: Pollinator Habitat Design By: _____

County: Stutsman (558) MLRA 558 Ecological Site: Limy-Subirrigated thin Loamy OR Forage Suitability Group: _____

Program: WRP - Wetland Reserve Program Contract Number: _____ CIN: _____

Section	Township	Range
1		

SEEDBED PREPARATION: Companion Crop, If used: _____ Crop _____ Rate _____ Seeding Method Grass Planned Seeding Date: _____ Late Fall: < 40° soil temp for 5 consecutive days
Data Seeding Completed: 20-Nov-15

NOTE: Some agricultural herbicides used have moderate to strong persistence in the soil and some herbicides do inhibit grass and/or legume germination and growth. If use of these herbicide(s) is known or suspected, be sure to check with the local county agent or consult the current NDSU-Extension Service Weed Control Guide for information on possible planting restrictions.

No-Till Method - Seed into weed-free, standing stubble, without further seedbed preparation. Use of a non-selective herbicide application may be needed to control weeds (refer to NDSU-EXT Service for information). Excess residue (straw, chaff or forage) should be adequately spread over the field or removed to ensure good seed-soil contact at a depth of 1/4 to 3/4 inch during the seeding operation. All seed must meet the requirements of the North Dakota State Seed Laws and Regulations and must be officially tested for purity and germination to enable pure live seed (PLS) calculations to determine proper seeding rates. Germination tests for all species must be no more than twelve months old prior to seeding.

Seedbed Preparation & Seeding Operation Performed: _____
Weeds will be controlled to prevent seed formation and competition with planted grass, legumes, forbs, shrubs, or trees until cover is established. NOXIOUS WEEDS WILL BE CONTROLLED FOR THE LIFE OF THE CONTRACT.

WEED CONTROL: _____

Help to insert an image on the area above.
ADDITIONAL REMARKS: _____

For additional design information, refer to the Herbaceous Vegetation Establishment Guide found in eField Office Technical Guide, Section I, Reference Subjects.

	(1) Species	(2) Variety	(3) FULL SEEDING PLS Lbs./Ac	(4) PERCENT IN MIXTURE	(5) PLANNED		(6) ACRES TO BE SEEDED	(7) PLANNED		(8) Percent Purity of Pure Seed	(9) Percent Germination + Hard Seed	(10) Total Lbs. Bulk Seed Purchased	(11) TOTAL PLS LBS. SEEDED (8X9X10)
					Pure Live Seed Lbs/Ac (3)X(4)	TOTAL PLS Lbs (5)X(6)							
1	Canada Wildrye	Mandan	7.50	18.00%	1.35	26.6	35.9	96.10%	97%	39	35.9		
2	Green Needlegrass	Lodorm	7.50	24.00%	1.80	26.6	47.9	99.40%	98%	50	47.8		
3	Western Wheatgrass	Rodan	10.00	13.00%	1.30	26.6	34.6	87.00%	94%	42	34.6		
4	Slender Wheatgrass	Adanac/Revenue	5.50	10.00%	0.55	26.6	14.6	97.89%	92%	16	14.6		
5	False sunflower (HEHES)	common	18.00	1.00%	0.18	26.6	4.8	97.86%	93%	5	4.8		
6	Leadplant	common	6.50	1.00%	0.07	26.6	1.7	99.13%	90%	0	0.1		
7	Grayhead Coneflower	common	1.70	1.00%	0.02	26.6	0.5	99.56%	93%	1	0.5		
8	Joe Pye weed	common	0.70	1.00%	0.01	26.6	0.2	92.22%	94%	0	0.2		
9	Black-eyed Susan		0.80	2.00%	0.02	26.6	0.4	99.84%	91%	0	0.4		
10	Canada Milkvetch		4.00	3.00%	0.12	26.6	3.2	99.97%	98%	3	3.2		
11													
12													
13													
14													
15													
				74.00%	Total Planned PLS Pounds =		143.8	Total Seeded PLS Pounds =		142.0			

CERTIFICATION:

YES Is the germ test date for all species within 12 months of when it was planted (not including the month of the test)?

YES Are the seeded species approved named varieties? If not, is the Origin within the states listed in the spec?

YES Was the planting completed in the required seeding window? Enter date planting completed above.

YES Does the seeded mix match what was planned? If not, are species seeded suited for site and meet specs?

Notes/Remarks: Changes were made in species due to availability as per phone call with Rick Wenzel on 11/5/2015.

Total PLS seeded (column 11) will be within +/- 10% of planned PLS (column 7). **99%**

This practice meets FOTG Standards and Specifications:

Sheryl Smith
Certifying Official - NRCS

11/23/2015
Date

PLANNING OR DATA SHEET FOR GRASS AND / OR LEGUME SEEDING

Yellow indicates required entry, blue optional entry.

Name: _____ Acres: 76.7 Tract / Field: _____ Date: 04/17/15

Address: _____ Planned Use: Pollinator Habitat Design By: Brandon Meyer

County: Benson (55A) MLRA 55A Ecological Site: Loamy OR Forage Suitability Group: Loam

Program: WRP - Wetland Reserve Program Contract Number: _____ CIN: _____

Section	Township	Range
Insert map here, then resize.		

SEEDBED PREPARATION:	Companion Crop, If used: Crop _____ Rate _____ Seeding Method <u>Grain</u> Planned Seeding Date: <u>May 1 to June 15</u>
	Barley _____ 10 Lbs./Acre Date Seeding Completed: _____

NOTE: Some agricultural herbicides used have moderate to strong persistence in the soil and some herbicides do inhibit grass and/or legume germination and growth. If use of these herbicide(s) is known or suspected, be sure to check with the local county agent or consult the current NDSU-Extension Service Weed Control Guide for information on possible planting restrictions.

Clean-Till Method - Seed into a clean-tilled, weed-free, smooth, firmly packed seedbed to ensure seed placement 1/4 to 3/4 inch depth. If erosion is a problem and / or to provide protection for late summer and late fall seedings, plant a companion crop. The companion crop may be seeded as a separate operation usually at an angle perpendicular to the direction of grass seeding. If a companion crop is used, clip to reduce competition. All seed must meet the requirements of the North Dakota State Seed Laws and Regulations and must be officially tested for purity and germination to enable pure live seed (PLS) calculations to determine proper seeding rates. Germination tests for all species must be no more than twelve months old prior to seeding.

Seedbed Preparation & Seeding Operation Performed: _____

WEED CONTROL: Clip or use approved herbicides to control undesirable plants, clipping should be delayed until after July 15 to prevent damage to nesting birds. Clipping height should be adjusted to a minimum of 12 inches to minimize damage to permanent seedlings. Clipping should be completed prior to weed seed formation.

Help to insert an image on the grid above

ADDITIONAL REMARKS: _____

For additional design information, refer to the Herbaceous Vegetation Establishment Guide found in eField Office Technical Guide, Section I, Reference Subjects.

	(1) Species	(2) Variety	(3) FULL SEEDING PLS Lbs./Ac	(4) PERCENT IN MIXTURE	(5) PLANNED	(6) ACRES TO BE SEEDED	(7) PLANNED	(8) Percent Purity or Pure Seed	(9) Percent Germination + Hard Seed	(10) Total Lbs. Bulk Seed Purchased	(11) TOTAL PLS LBS SEEDED (8X9X10)
					Pure Live Seed Lbs/Ac		TOTAL PLS Lbs				
					(3)X(4)		(5)X(6)				
1	Big Bluestem	Bison	7.50	10.00%	0.75	76.7	57.5				0.0
2	Indiangrass	Tomahawk	7.00	5.00%	0.35	76.7	26.8				0.0
3	Green Needlegrass	Lodorm	7.50	10.00%	0.75	76.7	57.5				0.0
4	Western Wheatgrass	Rosana	10.00	9.00%	0.90	76.7	69.0				0.0
5	Sidecoats Grama	Pierre	7.50	7.50%	0.56	76.7	43.1				0.0
6	Little Bluestem	Camper	4.50	5.00%	0.23	76.7	17.3				0.0
7	Switchgrass	Dacotah	4.50	7.50%	0.34	76.7	25.9				0.0
8	Canada Wildrye	Revenue	7.50	11.00%	0.83	76.7	63.3				0.0
9											
10											
11											
12											
13											
14											
15											
				65.00%	Total Planned PLS Pounds =		360.5	Total Seeded PLS Pounds =			

CERTIFICATION:			Total PLS seeded (column 11) will be within +/- 10% of planned PLS (column 7).			0%		
<input type="checkbox"/> Is the germ test date for all species within 12 months of when it was planted (not including the month of the test)?			This practice meets FOTG Standards and Specifications:					
<input type="checkbox"/> Are the seeded species approved named varieties? If not, is the Origin within the states listed in the spec?								
<input type="checkbox"/> Was the planting completed in the required seeding window? Enter date planting completed above.								
<input type="checkbox"/> Does the seeded mix match what was planned? If not, are species seeded suited for site and meet specs?								
Notes/Remarks: 1 of 3			Certifying Official - NRCS			Date		

PLANNING OR DATA SHEET FOR GRASS AND / OR LEGUME SEEDING

Yellow indicates required entry, blue optional entry.

Name: _____ Acres: 76.7 Tract / Field: _____ Date: 04/17/15

Address: _____ Planned Use: Pollinator Habitat Design By: Brandon Meyer

County: Benson (55A) MLRA 55A Ecological Site: Loamy OR Loam Forage Suitability Group: Loam

Program: WRP - Wetland Reserve Program Contract Number: _____ CIN: _____

Section	Township	Range
Insert map here, then resize.		

SEEDBED PREPARATION:	Companion Crop, If used: Crop _____ Rate _____ Seeding Method <u>Grain</u> Planned Seeding Date: <u>May 1 to June 15</u>
	<u>Barley</u> _____ <u>10</u> Lbs./Acre Date Seeding Completed: _____

NOTE: Some agricultural herbicides used have moderate to strong persistence in the soil and some herbicides do inhibit grass and/or legume germination and growth. If use of these herbicide(s) is known or suspected, be sure to check with the local county agent or consult the current NDSU-Extension Service Weed Control Guide for information on possible planting restrictions.

Clean-Till Method - Seed into a clean-tilled, weed-free, smooth, firmly packed seedbed to ensure seed placement 1/4 to 3/4 inch depth. If erosion is a problem and / or to provide protection for late summer and late fall seedings, plant a companion crop. The companion crop may be seeded as a separate operation usually at an angle perpendicular to the direction of grass seeding. If a companion crop is used, clip to reduce competition. All seed must meet the requirements of the North Dakota State Seed Laws and Regulations and must be officially tested for purity and germination to enable pure live seed (PLS) calculations to determine proper seeding rates. Germination tests for all species must be no more than twelve months old prior to seeding.

Seedbed Preparation & Seeding Operation Performed: _____

WEED CONTROL: Clip or use approved herbicides to control undesirable plants, clipping should be delayed until after July 15 to prevent damage to nesting birds. Clipping height should be adjusted to a minimum of 12 inches to minimize damage to permanent seedlings. Clipping should be completed prior to weed seed formation.

Help to insert an image on the area above

ADDITIONAL REMARKS: _____

For additional design information, refer to the Herbaceous Vegetation Establishment Guide found in eField Office Technical Guide, Section I, Reference Subjects.

	(1) Species	(2) Variety	(3) FULL SEEDING PLS Lbs./Ac	(4) PERCENT IN MIXTURE	(5)	(6)	(7)	(8)	(9)	(10)	(11)
					Pure Live Seed Lbs/Ac	ACRES TO BE SEEDED	PLANNED TOTAL PLS Lbs	Percent Purity or Pure Seed	Percent Germination + Hard Seed	Total Lbs. Bulk Seed Purchased	TOTAL PLS LBS SEEDED (8)X(9)X(10)
					(3)X(4)		(5)X(6)				
1	Maximilian Sunflower		1.00	1.00%	0.01	76.7	0.8				0.0
2	Purple Coneflower		9.00	2.00%	0.18	76.7	13.8				0.0
3	Prairie (Yellow) Coneflower		1.50	1.00%	0.02	76.7	1.2				0.0
4	Black-eyed Susan		0.80	4.00%	0.03	76.7	2.5				0.0
5	Blanket flower		7.00	1.00%	0.07	76.7	5.4				0.0
6	Wild bergamont		0.90	1.00%	0.01	76.7	0.7				0.0
7	Purple prairieclover		3.80	3.00%	0.11	76.7	8.7				0.0
8	Stiff goldenrod		1.40	3.00%	0.04	76.7	3.2				0.0
9	Plains Coreopsis		0.70	4.00%	0.03	76.7	2.1				0.0
10	Leadplant		6.50	1.00%	0.07	76.7	5.0				0.0
11	Dotted Gayfeather		8.00	0.25%	0.02	76.7	1.5				0.0
12	Fragrant giant hyssop		0.80	1.00%	0.01	76.7	0.6				0.0
13											
14											
15											
				22.25%	Total Planned PLS Pounds =		45.5	Total Seeded PLS Pounds =			

CERTIFICATION:		Total PLS seeded (column 11) will be within +/- 10% of planned PLS (column 7).		0%
<input type="checkbox"/>	Is the germ test date for all species within 12 months of when it was planted (not including the month of the test)?	This practice meets FOTG Standards and Specifications:		
<input type="checkbox"/>	Are the seeded species approved named varieties? If not, is the Origin within the states listed in the spec?			
<input type="checkbox"/>	Was the planting completed in the required seeding window? Enter date planting completed above.			
<input type="checkbox"/>	Does the seeded mix match what was planned? If not, are species seeded suited for site and meet specs?			
Notes/Remarks: Page 2 of 3		Certifying Official - NRCS		Date

PLANNING OR DATA SHEET FOR GRASS AND / OR LEGUME SEEDING

Yellow indicates required entry, blue optional entry.

Section	Township	Range	
Insert map here, then resize.			

Name: _____ Acres: 76.7 Tract / Field: _____ Date: 04/17/15
 Address: _____ Planned Use: Pollinator Habitat Design By: Brandon Meyer
 County: Benson (55A) MLRA 55A Ecological Site: Loamy OR Loam Forage Suitability Group: _____
 Program: WRP - Wetland Reserve Program Contract Number: _____ CIN: _____

SEEDBED PREPARATION:	Companion Crop, If used:	Seeding Method <u>Grain</u>	Planned Seeding Date: <u>May 1 to June 15</u>
	Crop <u>Barley</u> Rate <u>10</u> Lbs./Acre		Date Seeding Completed: _____

NOTE: Some agricultural herbicides used have moderate to strong persistence in the soil and some herbicides do inhibit grass and/or legume germination and growth. If use of these herbicide(s) is known or suspected, be sure to check with the local county agent or consult the current NDSU-Extension Service Weed Control Guide for information on possible planting restrictions.

Clean-Till Method - Seed into a clean-tilled, weed-free, smooth, firmly packed seedbed to ensure seed placement 1/4 to 3/4 inch depth. If erosion is a problem and / or to provide protection for late summer and late fall seedings, plant a companion crop. The companion crop may be seeded as a separate operation usually at an angle perpendicular to the direction of grass seeding. If a companion crop is used, clip to reduce competition. All seed must meet the requirements of the North Dakota State Seed Laws and Regulations and must be officially tested for purity and germination to enable pure live seed (PLS) calculations to determine proper seeding rates. Germination tests for all species must be no more than twelve months old prior to seeding.

Seedbed Preparation & Seeding Operation Performed: _____
 WEED CONTROL: Clip or use approved herbicides to control undesirable plants, clipping should be delayed until after July 15 to prevent damage to nesting birds. Clipping height should be adjusted to a minimum of 12 inches to minimize damage to permanent seedings. Clipping should be completed prior to weed seed formation.

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ADDITIONAL REMARKS: _____

For additional design information, refer to the Herbaceous Vegetation Establishment Guide found in eField Office Technical Guide, Section I, Reference Subjects.

	(1) Species	(2) Variety	(3) FULL SEEDING PLS Lbs./Ac	(4) PERCENT IN MIXTURE	(5) PLANNED	(6) ACRES TO BE SEEDED	(7) PLANNED	(8) Percent Purity or Pure Seed	(9) Percent Germination + Hard Seed	(10) Total Lbs. Bulk Seed Purchased	(11) TOTAL PLS LBS. SEEDED (8)X(9)X(10)
					Pure Live Seed Lbs/Ac		TOTAL PLS Lbs				
					(3)X(4)		(5)X(6)				
1	Partridge Pea		10.00	3.00%	0.30	76.7	23.0				0.0
2	Blue Aster		1.50	1.00%	0.02	76.7	1.2				0.0
3	American Vetch		36.00	0.25%	0.09	76.7	6.9				0.0
4	Canada Milkvetch		4.00	1.00%	0.04	76.7	3.1				0.0
5	Illinois Bundleflower		18.00	1.50%	0.27	76.7	20.7				0.0
6	Hoary vervain		2.40	1.00%	0.02	76.7	1.8				0.0
7	Lewis Flax		3.80	1.00%	0.04	76.7	2.9				0.0
8	White Prairieclover		3.90	3.00%	0.12	76.7	9.0				0.0
9											
10											
11											
12											
13											
14	Common Milkweed		11.0	1.00%	0.11	76.7	8.4				0.0
15											
				12.75%	Total Planned PLS Pounds =		77.0	Total Seeded PLS Pounds =			

CERTIFICATION:

Is the germ test date for all species within 12 months of when it was planted (not including the month of the test)?

Are the seeded species approved named varieties? If not, is the Origin within the states listed in the spec?

Was the planting completed in the required seeding window? Enter date planting completed above.

Does the seeded mix match what was planned? If not, are species seeded suited for site and meet specs?

Total PLS seeded (column 11) will be within +/- 10% of planned PLS (column 7). **0%**

This practice meets FOTG Standards and Specifications:

Notes/Remarks: Page 3 of 3

_____ Certifying Official - NRCS _____ Date

PLANNING OR DATA SHEET FOR GRASS AND / OR LEGUME SEEDING

Yellow indicates required entry, blue optional entry.

Section	Township	Range

Name: _____ Acres: 15 Tract / Field: _____ Date: 09/19/14

Address: _____ Planned Use: Wildlife Design By: Jordan Croatt

County: Ransom MLRA 55B Ecological Site: Loamy/Limey Subirrigated OR _____ Forage Suitability Group: _____

Program: WRP - Wetland Reserve Program Contract Number: _____ CIN: 1

SEEDBED PREPARATION:	Companion Crop, If used: Crop _____ Rate _____ Seeding Method <u>Grass</u> Planned Seeding Date: <u>April 20 to June 1</u>
	_____ Lbs./Acre _____ Date Seeding Completed: _____

NOTE: Some agricultural herbicides used have moderate to strong persistence in the soil and some herbicides do inhibit grass and/or legume germination and growth. If use of these herbicide(s) is known or suspected, be sure to check with the local county agent or consult the current NDSU-Extension Service Weed Control Guide for information on possible planting restrictions.

No-Till Method - Seed into weed-free, standing stubble, without further seedbed preparation. Use of a non-selective herbicide application may be needed to control weeds (refer to NDSU-EXT Service for information). Excess residue (straw, chaff or forage) should be adequately spread over the field or removed to ensure good seed-soil contact at a depth of 1/4 to 3/4 inch during the seeding operation. All seed must meet the requirements of the North Dakota State Seed Laws and Regulations and must be officially tested for purity and germination to enable pure live seed (PLS) calculations to determine proper seeding rates. Germination tests for all species must be no more than twelve months old prior to seeding.

Seedbed Preparation & Seeding Operation Performed: _____

WEED CONTROL: Clip or use approved herbicides to control undesirable plants. Clipping should be delayed until after July 15 to prevent damage to nesting birds. Clipping height should be adjusted to a minimum of 12 inches to minimize damage to permanent seedlings. Clipping should be completed prior to weed seed formation.

Help to insert an image on line area above.

ADDITIONAL REMARKS:

For additional design information, refer to the Herbaceous Vegetation Establishment Guide found in eField Office Technical Guide, Section I, Reference Subjects.

(1) Species	(2) Variety	(3) FULL SEEDING PLS Lbs./Ac	(4) PERCENT IN MIXTURE	(5) PLANNED		(7) PLANNED		(8) Percent Purity or Pure Seed	(9) Percent Germination + Hard Seed	(10) Total Lbs. Bulk Seed Purchased	(11) TOTAL PLS LBS. SEEDED (8X9X10)
				Pure Live Seed Lbs/Ac	ACRES TO BE SEEDED	TOTAL PLS Lbs	Percent Pure Seed				
				(3)X(4)		(5)X(6)					
1 Big Bluestem	Sunnyview, Bison	7.50	8.00%	0.60	15.0	9.0					0.0
2 Indiangrass	Tomahawk	7.00	8.00%	0.56	15.0	8.4					0.0
3 Slender Wheatgrass	Adanac, Pryor, Rever	5.50	5.00%	0.28	15.0	4.1					0.0
4 Western Wheatgrass	Rodan, Walsh, Flintlo	10.00	5.00%	0.50	15.0	7.5					0.0
5 Switchgrass	Forestburg	4.50	8.00%	0.36	15.0	5.4					0.0
6 Canada Wildrye	Mandan	7.50	8.00%	0.60	15.0	9.0					0.0
7 Sideoats Grama	Killdeer	7.50	6.00%	0.45	15.0	6.8					0.0
8 Little Bluestem	Badlands	4.50	5.00%	0.23	15.0	3.4					0.0
9 Green Needlegrass	Lodorm	7.50	7.00%	0.53	15.0	7.9					0.0
10 Prairie Dropseed	Common	5.00	5.00%	0.25	15.0	3.8					0.0
11											
12											
13											
14											
15											
				65.00%	Total Planned PLS Pounds =		65.2	Total Seeded PLS Pounds =			

CERTIFICATION:		Total PLS seeded (column 11) will be within +/- 10% of planned PLS (column 7).		0%
<input type="checkbox"/> Is the germ test date for all species within 12 months of when it was planted (not including the month of the test)? <input type="checkbox"/> Are the seeded species approved named varieties? If not, is the Origin within the states listed in the spec? <input type="checkbox"/> Was the planting completed in the required seeding window? Enter date planting completed above. <input type="checkbox"/> Does the seeded mix match what was planned? If not, are species seeded suited for site and meet specs?		This practice meets FOTG Standards and Specifications:		
Notes/Remarks: Page 1 of 3		Certifying Official - NRCS		Date

PLANNING OR DATA SHEET FOR POLLINATOR SPECIES LIST

Yellow indicates required entry, blue optional entry.

Name: _____ Acres: 15 Tract / Field: _____ Date: 02/18/14

Address: _____ Planned Use: Wildlife Design By: Jordan Croalt-PF

County: Ransom MLRA 55B Planting Type: Perennial

Ecological Site: Limey Subirrigated/Loar Forage Suitability Group: _____

Program: WRP - Wetland Reserve Program Contract Number: _____ CIN: _____

Section	Township	Range

Planned Seedbed Preparation Activities	Companion Crop, if used: Crop _____ Rate #/Ac _____ Seeding Method: <u>Grain</u>	Planned Seeding Date: _____
	Date Seeding Completed: _____ Clean-Till Method - Seed into a clean-tilled, weed-free, smooth, firmly packed seedbed to ensure seed placement 1/4 to 3/4 inch depth. If erosion is a problem and / or to provide protection for late summer and late fall seedings, plant a companion crop. The companion crop may be seeded as a separate operation usually at an angle perpendicular to the direction of grass seeding. If a companion crop is used, clip to reduce competition. All seed must meet the requirements of the North Dakota State Seed Laws and Regulations and must be officially tested for purity and germination to enable pure live seed (PLS) calculations to determine proper seeding rates. Germination tests for all species must be no more than twelve months old prior to seeding.	
Completed Seedbed Prep & Seeding Operations		
Pest Management Considerations	Clip or use approved herbicides to control undesirable plants, clipping should be delayed until after July 15 to prevent damage to nesting birds. Clipping height should be adjusted to a minimum of 12 inches to minimize damage to permanent seedlings. Clipping should be completed prior to weed seed formation.	

Help to insert an image on the area above

For additional design information, refer to the Herbaceous Vegetation Establishment Guide found in eField Office Technical Guide, Section I, Reference Subjects, Plant Materials subsection.

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
	Species	Variety	Bloom Period	FULL SEEDING PLS Lbs /Ac	PERCENT IN MIXTURE	PLANNED PLS/Ac (3)X(4)	ACRES TO BE SEEDED	PLANNED TOTAL PLS Lbs (5)X(6)	Percent Purity or Pure Seed	Percent Germination + Hard Seed	Total Lbs. Bulk Seed Purchased	TOTAL PLS LBS. SEEDED (8)X(10)
1	Black-eyed Susan	Common	Early	0.80	2.00%	0.02	15.0					
2	Blue aster	Common	Late	1.50	2.00%	0.03	15.0					
3	Milkvetch, Canada	Sunrise	Mid-season	4.00	2.00%	0.08	15.0					
4	Heath aster	Common	Mid-season	0.40	2.00%	0.01	15.0					
5	Ironweed	Common	Late	2.80	2.00%	0.06	15.0					
6	Lewis Flax	par, Maple Grc	Early	3.80	2.00%	0.08	15.0					
7	Sunflower, Maximillian	Medicine Cree	Late	1.00	2.00%	0.02	15.0					
8	Sunflower, Stiff	Bismarck	#N/A	2.50	2.00%	0.05	15.0					
9	Plains Coreopsis	Common	Early	0.70	2.00%	0.01	15.0					
10	Prairieclover, White	Antelope	Mid-season	3.90	2.00%	0.08	15.0					
11	Hoary vervain	Common	Late	2.40	2.00%	0.05	15.0					
12	Western Yarrow	Great Northerr	#N/A	0.40	1.50%	0.01	15.0					
13	Illinois bundleflower	Common	Mid-season	18.00	1.50%	0.27	15.0					
14	Milkweed, Common	Common	Mid-season	11.0	1.00%	0.11	15.0					
15	Evening Primrose	Common	Early	0.8	2.00%	0.02	15.0					
					28.00%							

Certification: Seed Tags Available? <input type="checkbox"/>	Is the germ test date for all species within 12 months of when it was planted (not including the month of the test)?	This practice meets FOTG Standards and Specifications:	YES
<input type="checkbox"/>			
<input type="checkbox"/>	Was the planting completed in the required seeding window? Enter date planting completed above.		
<input type="checkbox"/>	Does the seeded mix match what was planned?? If not, are species seeded suited for site and meet specs?		

PLANNING OR DATA SHEET FOR POLLINATOR SPECIES LIST

Yellow indicates required entry, blue optional entry.

Name: _____ Acres: 15 Tract / Field: _____ Date: 02/18/14

Address: _____ Planned Use: Wildlife Design By: Jordan Croatt-PF

County: Ransom MLRA 55B Planting Type: Perennial

Ecological Site: Limey Subirrigated/Loe Forage Suitability Group: _____

Program: WRP - Wetland Reserve Program Contract Number: _____ CIN: _____

Section	Township	Range

Planned Seedbed Preparation Activities	Companion Crop, if used: <u> </u>	Planned Seeding Date: _____
	Crop <u> </u> Rate #/Ac <u> </u> Seeding Method: <u>Grain</u>	Date Seeding Completed: _____
Completed Seedbed Prep & Seeding Operations	Clean-Till Method - Seed into a clean-filled, weed-free, smooth, firmly packed seedbed to ensure seed placement 1/4 to 3/4 inch depth. If erosion is a problem and / or to provide protection for late summer and late fall seedings, plant a companion crop. The companion crop may be seeded as a separate operation usually at an angle perpendicular to the direction of grass seeding. If a companion crop is used, clip to reduce competition. All seed must meet the requirements of the North Dakota State Seed Laws and Regulations and must be officially tested for purity and germination to enable pure live seed (PLS) calculations to determine proper seeding rates. Germination tests for all species must be no more than twelve months old prior to seeding.	
Pest Management Considerations	Clip or use approved herbicides to control undesirable plants, clipping should be delayed until after July 15 to prevent damage to nesting birds. Clipping height should be adjusted to a minimum of 12 inches to minimize damage to permanent seedlings. Clipping should be completed prior to weed seed formation.	

Help to insert an image on the area above

For additional design information, refer to the Herbaceous Vegetation Establishment Guide found in eField Office Technical Guide, Section I, Reference Subjects, Plant Materials subsection.

		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
		Species	Variety	Bloom Period	FULL SEEDING PLS Lbs /Ac	PERCENT IN MIXTURE	PLANNED PLS/Ac (3)X(4)	ACRES TO BE SEEDED	PLANNED TOTAL PLS Lbs (5)X(6)	Percent Purity or Pure Seed	Percent Germination + Hard Seed	Total Lbs. Bulk Seed Purchased	TOTAL PLS LBS. SEEDED (8)X(9)X(10)
1		Wild bergamont		#N/A	0.90	2.00%	0.02	15.0					
2		Prairieclover, Purple		Mid-season	3.80	2.00%	0.08	15.0					
3		Partridge Pea		Late	17.50	1.00%	0.18	15.0					
4		Coneflower, Narrow-Leaved or Purple		Mid-season	9.00	2.00%	0.18	15.0					
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
						7.00%							

Certification: Seed Tags Available? _____	
<input type="checkbox"/>	Is the germ test date for all species within 12 months of when it was planted (not including the month of the test)?
<input type="checkbox"/>	Are the seeded species approved named varieties? If not, is the Origin within the states listed in the spec?
<input type="checkbox"/>	Was the planting completed in the required seeding window? Enter date planting completed above.
<input type="checkbox"/>	Does the seeded mix match what was planned?? If not, are species seeded suited for site and meet specs?

This practice meets FOTG Standards and Specifications:		YES

PLANNING OR DATA SHEET FOR POLLINATOR SPECIES LIST

Yellow indicates required entry, blue optional entry.

Name: _____ Acres: 354.2 Tract / Field: _____ Date: 12/07/15

Address: _____ Planned Use: Wildlife Design By: Pheasants Forever & NRCS

County: Barnes MLRA 55B Planting Type: Perennial

Ecological Site: Loamy Forage Suitability Group: _____

Program: WRP - Wetland Reserve Program Contract Number: _____ CIN: _____

Section	Twp	Range

Planned Seedbed Preparation Activities	Companion Crop, If used:	Planned Seeding Date:
	Crop: <u>Flax</u> Rate #/Ac: <u>7</u> Seeding Method: <u>Grass</u> Date Seeding Completed:	
Completed Seedbed Prep & Seeding Operations	No-Till Method - Seed into weed-free, standing stubble, without further seedbed preparation. Use of a non-selective herbicide application may be needed to control weeds (refer to NDSU-EXT Service for information). Excess residue (straw, chaff or forage) should be adequately spread over the field or removed to ensure good seed soil contact at a depth of 1/4 to 3/4 inch during the seeding operation. All seed must meet the requirements of the North Dakota State Seed Laws and Regulations and must be officially tested for purity and germination to enable pure live seed (PLS) calculations to determine proper seeding rates. Germination tests for all species must be no more than twelve months old prior to seeding.	
Pest Management Considerations	Some agricultural herbicides have moderate to strong persistence in the soil and may inhibit germination and/or growth of planned pollinator species. Check the pesticide label. ask the local county agent or consult the current NDSU-EXT Service Weed Control Guide for possible planting restrictions.	
	Clip or use approved herbicides to control undesirable plants, clipping should be delayed until after July 15 to prevent damage to nesting birds. Clipping height should be adjusted to a minimum of 12 inches to minimize damage to permanent seedlings. Clipping should be completed prior to weed seed formation.	

Help to insert an image on the area above

For additional design information, refer to the Herbageous Vegetation Establishment Guide found in eField Office Technical Guide, Section 1, Reference Subjects, Plant Materials subsection.

			(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	Species	Variety	Bloom Period	FULL SEEDING PLS Lbs./Ac	PERCENT IN MIXTURE	PLANNED PLS/Ac (3)X(4)	ACRES TO BE SEEDED	PLANNED TOTAL PLS Lbs (5)X(6)	Percent Purity or Pure Seed	Percent Germination + Hard Seed	Total Lbs. Bulk Seed Purchased	TOTAL PLS LBS. SEEDED (8)X(9)X(10)
1	Leadplant		Late	6.50	1.00%	0.065	354.2					
2	Lewis Flax		Early	3.80	2.00%	0.076	354.2					
3	Milkvetch, Canada		Mid-season	4.00	1.00%	0.040	354.2					
4	Milkweed, Common		Mid-season	11.00	1.00%	0.110	354.2					
5	Penstemon, Shell-leaf or Large Flowered		Early	4.00	0.50%	0.020	354.2					
6	New England aster		Late	0.80	1.00%	0.008	354.2					
7	Partridge Pea		Late	17.50	1.00%	0.175	354.2					
8	Plains Coreopsis		Early	0.70	1.50%	0.011	354.2					
9	Prairieclover, Purple		Mid-season	3.80	2.00%	0.076	354.2					
10	Prairieclover, White		Mid-season	3.90	1.50%	0.059	354.2					
11	Rocky Mountain Bee Plant		Early	20.00	0.50%	0.100	354.2					
12	Spiderwort, Prairie		Early	7.00	0.25%	0.018	354.2					
13	Sunflower, False (HEHES)		Mid-season	18.00	1.00%	0.180	354.2					
14	Maximilian Sunflower		#N/A	1.0	1.00%	0.010	354.2					
15	Stiff Sunflower		#N/A	2.5	0.50%	0.013	354.2					
					15.75%							

Certification: Seed Tags Available? _____	This practice meets FOTG Standards and Specifications:	YES
<input type="checkbox"/> Is the germ test date for all species within 12 months of when it was planted (not including the month of the test)?		
<input type="checkbox"/> Are the seeded species approved named varieties? If not, is the Origin within the states listed in the spec?		
<input type="checkbox"/> Was the planting completed in the required seeding window? Enter date planting completed above.		
<input type="checkbox"/> Does the seeded mix match what was planned?? If not, are species seeded suited for site and meet specs?		

Notes/Remarks: **Page 2 of 3**

PLANNING OR DATA SHEET FOR GRASS AND / OR LEGUME SEEDING

Yellow indicates required entry, blue optional entry.

Section	Township	Range

Name: _____ Acres: 354.2 Tract / Field: _____ Date: 12/07/15
 Address: _____ Planned Use: Wildlife Design By: Pheasants Forever & NRCS
 County: Barnes MLRA 55B Ecological Site: Loamy OR Forage Suitability Group: _____
 Program: WRP - Wetland Reserve Program Contract Number: _____ CIN: _____

SEEDBED PREPARATION:	Companion Crop, if used: Crop: _____ Rate: _____ Seeding Method: <u>Grass</u> Planned Seeding Date: <u>April 20 to June 1</u>
	Flax _____ 7 _____ Lbs./Acre Date Seeding Completed: _____
NOTE: Some agricultural herbicides used have moderate to strong persistence in the soil and some herbicides do inhibit grass and/or legume germination and growth. If use of these herbicide(s) is known or suspected, be sure to check with the local county agent or consult the current NDSU-Extension Service Weed Control Guide for information on possible planting restrictions.	
No-Till Method - Seed into weed-free, standing stubble, without further seedbed preparation. Use of a non-selective herbicide application may be needed to control weeds (refer to NDSU-EXT Service for information). Excess residue (straw, chaff or forage) should be adequately spread over the field or removed to ensure good seed-soil contact at a depth of 1/4 to 3/4 inch during the seeding operation. All seed must meet the requirements of the North Dakota State Seed Laws and Regulations and must be officially tested for purity and germination to enable pure live seed (PLS) calculations to determine proper seeding rates. Germination tests for all species must be no more than twelve months old prior to seeding.	
WEED CONTROL:	Seedbed Preparation & Seeding Operation Performed: _____ Clip or use approved herbicides to control undesirable plants, clipping should be delayed until after July 15 to prevent damage to nesting birds. Clipping height should be adjusted to a minimum of 12 inches to minimize damage to permanent seedings. Clipping should be completed prior to weed seed formation.

Help to insert an image on the seed above

ADDITIONAL REMARKS: This seed mixture is in partnership with Pheasants Forever and the ND Outdoor Heritage Fund
 For additional design information, refer to the Herbaceous Vegetation Establishment Guide found in eField Office Technical Guide, Section I, Reference Subjects.

(1) Species	(2) Variety	(3) FULL SEEDING PLS Lbs./Ac	(4) PERCENT IN MIXTURE	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
				Pure Live Seed Lbs/Ac	ACRES TO BE SEEDED	TOTAL PLS Lbs	Percent Purity or Pure Seed	Percent Germination + Hard Seed	Total Lbs. Bulk Seed Purchased	TOTAL PLS LBS. SEEDED (8X9X10)	
				(3)X(4)		(5)X(6)					
1 American Vetch		36.00	0.25%	0.09	354.2	31.9				0.0	
2 Wild bergamont		0.90	2.00%	0.02	354.2	6.4				0.0	
3 Big Bluestem		7.50	9.00%	0.68	354.2	239.1				0.0	
4 Blue Grama		2.50	5.00%	0.13	354.2	44.3				0.0	
5 Canada Wildrye		7.50	9.00%	0.68	354.2	239.1				0.0	
6 Green Needlegrass		7.50	7.00%	0.53	354.2	186.0				0.0	
7 Indiangrass		7.00	4.00%	0.28	354.2	99.2				0.0	
8 Little Bluestem		4.50	6.00%	0.27	354.2	95.6				0.0	
9 Needle and Thread		9.50	2.00%	0.19	354.2	67.3				0.0	
10 Prairie Dropseed		5.00	5.00%	0.25	354.2	88.6				0.0	
11 Prairie Junegrass		1.00	2.00%	0.02	354.2	7.1				0.0	
12 Sideoats Grama		7.50	6.00%	0.45	354.2	159.4				0.0	
13 Slender Wheatgrass		5.50	3.00%	0.17	354.2	58.4				0.0	
14 Switchgrass		4.5	5.00%	0.23	354.2	79.7				0.0	
15 Western Wheatgrass		10.0	2.00%	0.20	354.2	70.8				0.0	
				67.25%	Total Planned PLS Pounds =		1472.8	Total Seeded PLS Pounds =			

CERTIFICATION:	Total PLS seeded (column 11) will be within +/- 10% of planned PLS (column 7). 0%
<input type="checkbox"/> Is the germ test date for all species within 12 months of when it was planted (not including the month of the test)?	
<input type="checkbox"/> Are the seeded species approved named varieties? If not, is the Origin within the states listed in the spec?	
<input type="checkbox"/> Was the planting completed in the required seeding window? Enter date planting completed above.	
<input type="checkbox"/> Does the seeded mix match what was planned? If not, are species seeded suited for site and meet specs?	This practice meets FOTG Standards and Specifications:
Notes/Remarks: Page 3 of 3	

Certifying Official - NRCS

Date