TECHNICAL NOTE

USDA - Natural Resources Conservation Service Boise, Idaho

TN Plant Materials No. 4a

November 2014 (rev.)

FILLING OUT ID-CPA-025 SEEDING/PLANTING PLAN AND UT PLANTING SPECIFICATION SHEETS

Derek Tilley, PMC Manager, NRCS Plant Materials Center Aberdeen, Idaho Loren St. John, Team Leader, NRCS Plant Materials Center Aberdeen, Idaho (ret.) Brendan Brazee, State Range Conservationist, Boise, Idaho

ID-CPA-025 provides planners a tool to document seeding or planting plans and the actual or "As-built" conditions. It can be used to determine whether the land owner has adhered to the planting plan as set out by the planner and met the requirements necessary to be in compliance with NRCS standards. Differences in seed labeling requirements from state to state as well as differences in labels produced by seed vendors can make filling out this form confusing. This Technical Note provides step by step instructions and images of actual seed labels to help NRCS staff correctly complete this document.



FILLING OUT ID-CPA-025 SEEDING/PLANTING PLAN

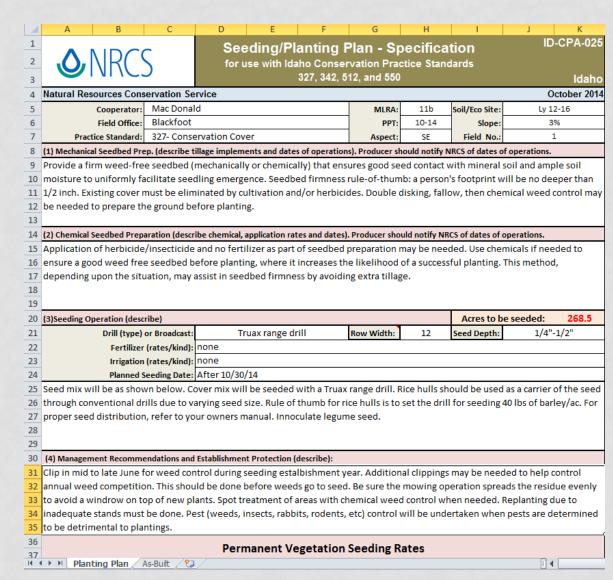
Derek Tilley Loren St. John (ret.) Brendan Brazee

The Planting Plan

Fill out producer information and description of site.
Enter mechanical and chemical seedbed prepaction.

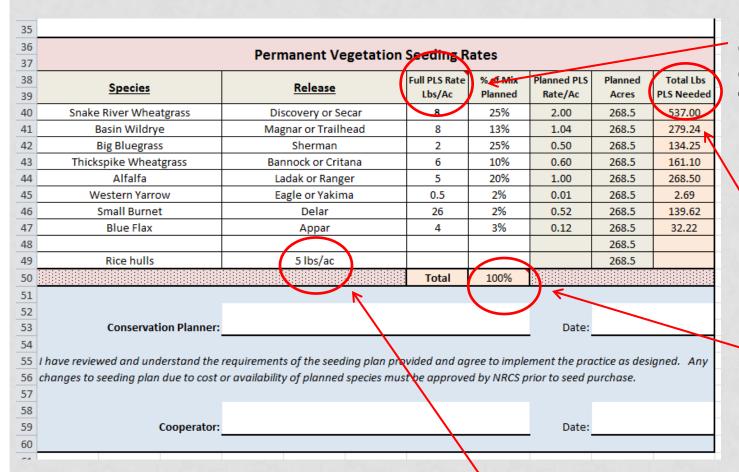
Describe seeding operation including acres to be seeded, drill information, seeding rates, seed carriers and inoculation.

Enter management recommendations.



The Planting Plan

Enter seed mix information



Full seed rate of each component and % of mix planned (listed in TN 24)

This is what you order from the seed company

% of mix should add up to 100%

Determine lbs of rice hulls if applicable (See TN 7) Rice Hull Calculator from TN 7 uses seed bushel weights to calculate the ratio of seed to rice hulls in a mix

Available online at:

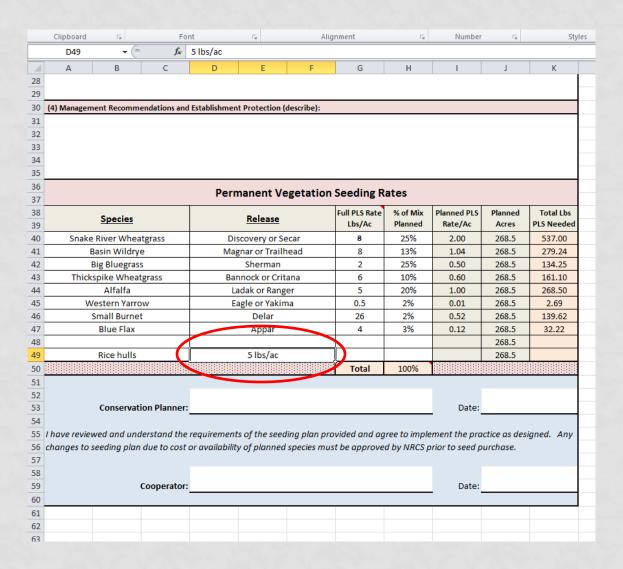
http://www.nrcs.usda.gov/wps/portal/nrcs/detail/id/technical/?cid=nrcs144p2_047763#technotes

This mix requires 8.97 lbs of rice hulls/acre

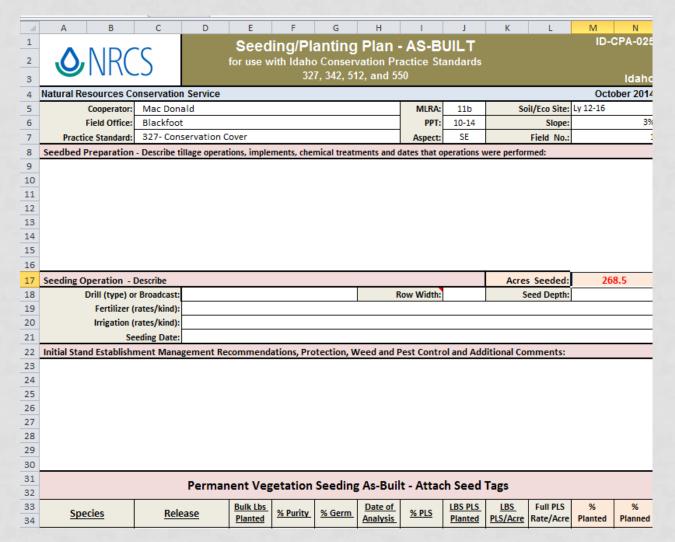
Or 2,409 lbs for the entire project

	В	С	D	Е	F	G	Н	I	J	K	- 1
1	Rice hull ca	alculator for multiple	component seed mix o	f up to 10	components						
2	≥ Enter dat	ta in red columns an	d boxes								
3	3	 percentages sho 	ould be typed as intergers	up to two	decimal places (ie. 96	6.75)					
4	1	oif bulk seeding ra	ate is pre-determined, ente	er 100 for o	% of mix						
5	5	Project Name	Mac Donald 2014								
6		total acres		l i	oure stand seeding	rate			bulk seed	volume	
7	7				PLS/acre		lb/bu	PLS/ac	(lb/ac)	(% of bu)	
8	3 Variety	Common Name	Latin	% of mix	(see TN 24)	% PLS	(see TN 7)	PLS*% of mix	PLS/%PLS*10	0 bulk seed/lb/bu*100	
9	Secar	snake river w.g.	Elymus wawawaiensis	25%	8.00	84.70	20.30	0.02	0.02	0.12	
1	0 Magnar	basin wildrye	Leymus cinereus	13%	8.00	95.80	18.50	0.01	0.01	0.06	
1	1 sherman	big bluegrass	Poa ampla	25%	2.00	56.70	17.90	0.01	0.01	0.05	
1	Critana	thickspike wheatg	ra Elymus lanceolatus	10%	6.00	92.00	18.50	0.01	0.01	0.04	
1	3 Ladak	alfalfa	Medicago sativa	20%	5.00	98.50	60.00	0.01	0.01	0.02	
1	4 Eagle	yarrow	Achillea milleifolium	2%	0.50	92.50	37.00	0.00	0.00	0.00	
	5 Delar	small burnet	Sanguisorba minor	2%	26.00	92.70	23.10	0.01	0.01	0.02	
1	6 Appar	flax	Linum perenne	3%	4.00	80.00	46.10	0.00	0.00	0.00	
1								0.00	0.00	0.00	
1	8							0.00	0.00	0.00	
1	9										
2	0						Required b	ulk seed for	268.50	acres	
2	1		Total vol. seed=	0.30	(% of bushel)		1	Secar	6.34	lbs	
2	2		Rice Hulls =	8.97	(lb/ac)		2	Magnar	2.91	lbs	
2	3		drill setting=	1	bushels barley		3	sherman	2.37	lbs	
2	4						4	Critana	1.75	lbs	
2	5						5	Ladak	2.73	lbs	
2							6	Eagle	0.03	lbs	
2	7						7	Delar	1.51	lbs	
2	8						8	Appar	0.40	lbs	
2	9						9	0.00	0.00	lbs	
3	0						10	0.00	0.00	lbs	
3	1										
3	2						Require	ed rice hulls=	2409.15	lbs	
3											
3											
3	5										
3	6										

In this
example the
producer used
a straight 5 lbs
of rice
hulls/acre
instead of
calculating
the ratio of
seed to rice
hulls



As-Built



Enter description of actual seeding operation and management

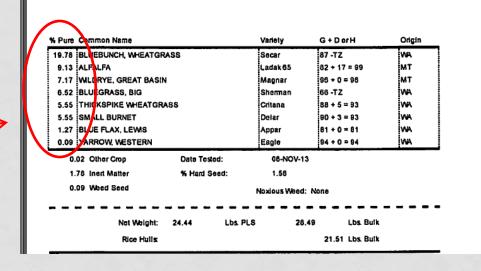
Use seed tag to enter Permanent Vegetation Seeding As-Built information

The Seed Tag

	Quantity S	hipped		
Price By	PLS	Bulk	Description	Variety
*** MIX # ·	137013 FIEL	D NO. T31	26 ***	
PLS#	537.00	633.91	Pseudoroegneria spicata ssp. spicata Bluebunch, Wheatgrass	Secar
PLS#	214.80	224.33	Leymus cinereus Wildrye, Great Basin	Magnar
PLS#	134.30	241.10	Poa ampla Bluegrass, Big	Sherman
PLS#	161.10	175.15	Elymus lanceolatus ssp. lanceolatus Thickspike wheatgrass	Critana
PLS#	281.90	286.09	Medicago sativa Alfalfa	Ladak 65
PLS#	2.70	2.92	Achillea millefolium var. occidentalis Yarrow, Western	Eagle
PLS#	161.10	173.78	Sanguisorba minor Small burnet	Delar
PLS#	32.20	40.23	Linum lewisii Blue Flax, Lewis	Appar
Box	1,342.50	1,342.50	Rice Hulls RICE HULLS	VNS

A detailed seed tag is essential

Some tags show a % pure column. This is the % of the species in the mix, NOT % purity of the species



Bulk Lbs Planted

Enter bulk lbs from seed tag

49 Comments or Reasons Practice does not meet specifications:

47 48

Common Name	Lot #	Total Bulk Lbs.	Total PLS Lbs.	% Total Bulk Lbs.
Alfalfa	MESA - JB121813	286.09	281.90	16.10
Blue Flax, Lewis	LILE - L-A5M1P	40.23	32.20	2.26
Bluebunch, Wheatgrass	AGSP - 13-0-29	633.91	537.00	35.66
Bluegrass, Big	POAM - LHS-121109	241.10	134.30	13.56
Small burnet	SAMI - L-1J2C2G0K-2	173.78	161.10	9.78
Thickspike wheatgrass	AGDA - G1069	175.15	161.10	9.85
Wildrye, Great Basin	ELCI - D0505	224.33	214.80	12.62
Yarrow, Western	ACLA - BFI-11-10101649	2.92	2.70	0.16
	Grand Total I he:	1.777.52	1.525.10	

29												
30												
31		Porm	anont Voc	rotation	Sooding	. Ac Buil	+ A++-	h Sood	Tage			
32		Permanent Vegetation Seeding As-Built - Attach Seed Tags										
33	Species	Release	Bulk Lbs	% Purity	% Germ	Date of	% PLS	LBS PLS	LBS	Full PLS	%	%
34	<u>Species</u>	nelease	<u>Planted</u>	70 Fullty	70 GEIIII	<u>Analysis</u>	70 FL3	Planted	PLS/Acre	Rate/Acre	Planted	Planned
35	Snake River Wheatgrass	Secar	633.91							8		25%
36	Basin Wildrye	Magnar	224.33							8		13%
37	Big Bluegrass	Sherman	241.10							2		25%
38	Thickspike Wheatgrass	Critana	175.15							6		10%
39	Alfalfa	Ladak 65	286.09							5		20%
40	Western Yarrow	Eagle	2.92							0.5		2%
41	Small Burnet	Delar	173.78							26		2%
42	Blue Flax	Appar	40.23							4		3%
43												
44	Rice hulls											
45										Total		100%
46												
47	I certify that th	e shove seed	ing Me	ets / Do	es Not	Meet	Idaho	NIDCS S	tandard	e and Sn	ecificati	one

% Purity

= % purity of each component (Not % of each species in mix)

Letter of Certification

This memo is written to certify that this seed mix is true to label and has been duly tested by a fully accredited seed testing laboratory using rules sanctioned by the Association of Official Seed Analysts. The specifications of the seed used in the mix are as follows:

Common Name	Variety	Origin	Lot#	Purity	G+D+H	%PLS
Alfalfa	Ladak 65	MT	MESA - JB121813	99.53	82 + 17 = 99	98.53
Blue Flax, Lewis	Appar	WA	LILE - L-A5M1P	98.82	81 + 0 = 81	80.04
Bluebunch, Wheatgrass	Secar	WA	AGSP - 13-0-29	97.37	87	84.71
Bluegrass, Big	Sherman	WA	POAM - LHS-121109	84.40	66	55.70
Small burnet	Delar	WA	SAMI - L-1J2C2G0K-2	99.68	90 + 3 = 93	92.70
Thickspike wheatgrass	Critana	WA	AGDA - G1069	98.90	88 + 5 = 93	91.98
Wildrye, Great Basin	Magnar	MT	ELCI - D0505	99.74	96 + 0 = 96	95.75
Yarrow, Western	Eagle	WA	ACLA - BFI-11-10101649	98.35	94 + 0 = 94	92.45

Mix #	Number of Bags	Bulk Lbs. Per Bag
137013	62	50 full
137013	1	20.02 partial

30												
31		Dayman	ent Veg		Caadina	. A. Dil	A++-	p Cood	Taga			
32		Permar	ient ver	- Carroll	Seeding	AS-DUM	t - Attac	n seed	rags			
33	Species	Release	Bulk los	% Purity	% Germ	Date of	% PLS	LBS PLS	LBS	Full PLS	%	%
34	<u>species</u>	nelease	<u>Planted</u>	70 Fullty	70 GEIIII	<u>Analysis</u>	70 FL3	<u>Planted</u>	PLS/Acre	Rate/Acre	Planted	Planned
35	Snake River Wheatgrass	Secar	633.91	97.37%						8		25%
36	Basin Wildrye	Magnar	224.33	99.74%						8		13%
37	Big Bluegrass	Sherman	241.10	84.40%						2		25%
38	Thickspike Wheatgrass	Critana	175.15	98.90%						6		10%
39	Alfalfa	Ladak 65	286.09	99.53%						5		20%
40	Western Yarrow	Eagle	2.92	98.35%						0.5		2%
41	Small Burnet	Delar	173.78	99.68%						26		2%
42	Blue Flax	Appar	40.23	98.82%						4		3%
43												
44	Rice hulls											
45										Total		100%
40												

I certify that the above seeding Meets / Does Not Meet Idaho NRCS Standards and Specifications

49 Comments or Reasons Practice does not meet specifications:

A standard seed tag or invoice may not contain detailed purity and viability information. A Letter of Certification or a seed lab analysis can be requested.

Letter of Certification

This memo is written to certify that this seed mix is true to label and has been duly tested by a fully accredited seed testing laboratory using rules sanctioned by the Association of Official Seed Analysts. The specifications of the seed used in the mix are as follows:

Common Name	Variety	Origin	Lot#	Purity	G+D+H	%PLS
Alfalfa	Ladak 65	MT	MESA - JB121813	99.53	82 + 17 = 99	98.53
Blue Flax, Lewis	Appar	WA	LILE - L-A5M1P	98.82	81 + 0 = 81	80.04
Bluebunch, Wheatgrass	Secar	WA	AGSP - 13-0-29	97.37	87	84.71
Bluegrass, Big	Sherman	WA	POAM - LHS-121109	84.40	66	55.70
Small burnet	Delar	WA	SAMI - L-1J2C2G0K-2	99.68	90 + 3 = 93	92.70
Thickspike wheatgrass	Critana	WA	AGDA - G1069	98.90	88 + 5 = 93	91.98
Wildrye, Great Basin	Magnar	MT	ELCI - D0505	99.74	96 + 0 = 96	95.75
Yarrow, Western	Eagle	WA	ACLA - BFI-11-10101649	98.35	94 + 0 = 94	92.45

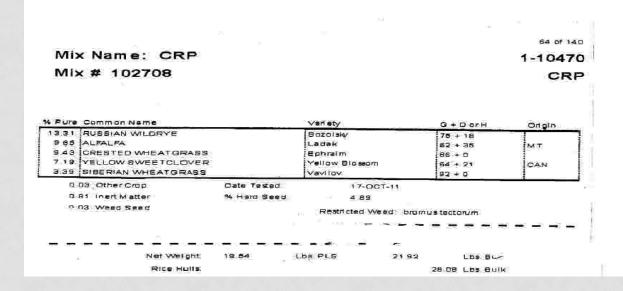
Mix#	Number of Bags	Bulk Lbs. Per Bag	
137013	62	50 full	
137013	1	20.02 partial	

Here is an example of a tag that does not contain purity information.

According to the Federal Seed Act, a label must list:

- 1. % of species by weight in a mix
- 2. % germ of any species
- ❖But it does not have to list % purity of each component

Net 30		Custo	omer P.O.	Ordered By: Larry			
Shipper. D	MOND	Prepa	ild / Collect: Prepaid	FOB: Destination			
Price By	Quentity S PLS	Bulk	Description	W. Tarabasa			
- MIX #	102708 CRP						
PLS#	217.20	243.97	AGROPYRON FRAGILE SSP. SIBERIO SIBERIAN WHEATGRASS				
PLS#	564.60	686,31	AGROPYRON C				
	861.70	946,24	PSATHYROSTA RUSSIAN WILD	PSATHYROSTACHYS JUNCEA			
PLS#	201.70						
PLS#	851,45	671.67	MEDICAGO SA				
		671.67 601.97	MEDICAGO SA	TIVA FICINALIS			



=You may have to figure it out.

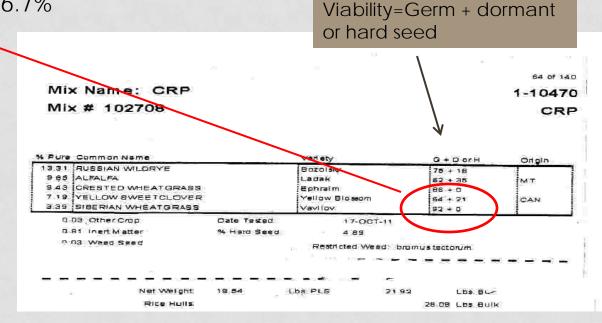
Calculating % Purity (if necessary)

1. Find % PLS of each species %PLS=LBS PLS/LBS bulk 217.2/243.97= 89%

Determine % Purity
 purity= % PLS/%viable
 purity= 89%/92%= 96.7%

Net 30		Custo	omer P.O.	Ordered By: Larry		
Shipper. D	MOND	Prepa	ld / Collect: Prepaid	FOB: Destination		
Price By	Quartity S PLS	Bulk	Description	. Mr		
- MIX #	02708 CRP					
LS#	217.20	243.97	AGROPYRON F	ragle SSP. Sibericum Atgrass		
PL\$#	664.60	686.31	CRESTED WHE			
		D40 D4	PSATHYROSTA	CHYR JUNCEA		
PLS#	861.70	946,24	RUSSIAN WILD			
	861.70 851.45	671.67	MEDICAGO SA ALFALFA	RYE		
PLS# PLS# PLS#		4 1 2 1	MEDICAGO SA	RYE TIVA FICINALIS		

*If the numbers are not available, TN24 list average purity and germ by species.



% Germ

Enter Germ + Dormant or Hard Seed of each component.

If the label lists germ and TZ (tetrazolium test), use the higher value of the 2.

Letter of Certification

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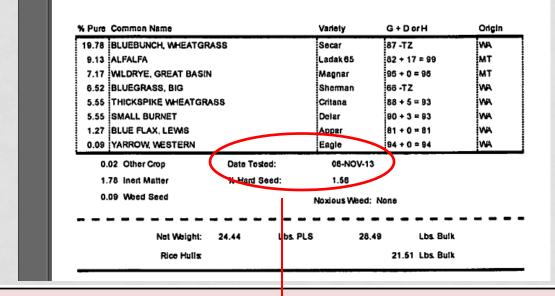
Common N	lame	Variety	Origin	Lot#	Purity	G+D+H	%PLS
Alfalfa		Ladak 65	MT	MESA - JB121813	99.58	82 + 17 = 99	98.53
Blue Flax,	Lewis	Appar	WA	LILE - L-A5M1P	98 <mark>8</mark> 2	81 + 0 = 81	80.04
Bluebunch	Wheatgrass	Secar	WA	AGSP - 13-0-29	97.37	87	84.71
Bluegrass, Big		Sherman	WA	POAM - LHS-121109	8 .40	66	55.70
Small burnet		Delar	WA	SAMI - L-1J2C2G0K-2	91.68	90 + 3 = 93	92.70
Thickspike	wheatgrass	Critana	WA	AGDA - G1069	98 <mark>9</mark> 0	88 + 5 = 93	91.98
Wildrye, G	reat Basin	Magnar	MT	ELCI - D0505	99.14	96 + 0 = 96	95.75
Yarrow, We	estern	•	ACLA - BFI-11-10101649	98.35	94 + 0 = 94	92.45	
Mix#	Number of Bags	Bulk Lbs.	Per Bag				
137013	62	50 full					
137013	1	20.02 par	rtial				

27 28													
29													
30													
31 32	Permanent Vegetation Seeding As-Built - Attach Seed Tags												
33 34	Species	Release	Bulk Lbs Planted	% Purity	% Germ	Date of Analysis	% PLS	LBS PLS Planted	LBS PLS/Acre	Full PLS Rate/Acre	% Planted	% Planne	
35	Snake River Wheatgrass	Secar	633.91	97.37%	87.00%		84.71%	537.0	2.00	8	25%	25%	
6	Basin Wildrye	Magnar	224.33	99.74%	96.00%		95.75%	214.8	0.80	8	10%	13%	
37	Big Bluegrass	Sherman	241.10	84.40%	66.00%		55.70%	134.3	0.50	2	25%	25%	
8	Thickspike Wheatgrass	Critana	175.15	98.90%	93.00%		91.98%	161.1	0.60	6	10%	10%	
9	Alfalfa	Ladak 65	286.09	99.53%	99.00%		98.53%	281.9	1.05	5	21%	20%	
Ю	Western Yarrow	Eagle	2.92	98.35%	94.00%		92.45%	2.7	0.01	0.5	2%	2%	
1	Small Burnet	Delar	173.78	99.68%	93.00%		92.70%	161.1	0.60	26	2%	2%	
12	Blue Flax	Appar	40.23	98.82%	81.00%		80.04%	32.2	0.12	4	3%	3%	
13													
14	Rice hulls												
		1:				10101010101010				Total	98%	100%	

I certify that the above seeding Meets / Does Not Meet Idaho NRCS Standards and Specifications

49 Comments or Reasons Practice does not meet specifications:

Date of Analysis



Permanent Vegetation Seeding As-Built - Attach Seed Tags												
Termanent regetation seeding Appaint - Attach seed rags												
Species	<u>Release</u>	Bulk Lbs Planted	% Purity	% Germ	Date of Analysis	% PLS	LBS PLS	LBS	Full PLS	%	%	
							<u>Planted</u>	PLS/Acre	Rate/Acre	Planted	Planned	
Snake River Wheatgrass	Secar	633.91	97.37%	87.00%	11/6/13	84.71%	537.0	2.00	8	25%	25%	
Basin Wildrye	Magnar	224.33	99.74%	96.00%	11/6/13	95.75%	214.8	0.80	8	10%	13%	
Big Bluegrass	Sherman	241.10	84.40%	66.00%	11/6/13	55.70%	134.3	0.50	2	25%	25%	
Thickspike Wheatgrass	Critana	175.15	98.90%	93.00%	11/6/13	91.98%	161.1	0.60	6	10%	10%	
Alfalfa	Ladak 65	286.09	99.53%	99.00%	11/6/13	98.53%	281.9	1.05	5	21%	20%	
Western Yarrow	Eagle	2.92	98.35%	94.00%	11/6/13	92.45%	2.7	0.01	0.5	2%	2%	
Small Burnet	Delar	173.78	99.68%	93.00%	11/6/13	92.70%	161.1	0.60	26	2%	2%	
Blue Flax	Appar	40.23	98.82%	81.00%	11/6/13	80.04%	32.2	0.12	4	3%	3%	
Rice hulls												
									Total	98%	100%	
	Snake River Wheatgrass Basin Wildrye Big Bluegrass Thickspike Wheatgrass Alfalfa Western Yarrow Small Burnet Blue Flax	Species Release Snake River Wheatgrass Secar Basin Wildrye Magnar Big Bluegrass Sherman Thickspike Wheatgrass Critana Alfalfa Ladak 65 Western Yarrow Eagle Small Burnet Delar Blue Flax Appar	SpeciesReleaseBulk Lbs PlantedSnake River WheatgrassSecar633.91Basin WildryeMagnar224.33Big BluegrassSherman241.10Thickspike WheatgrassCritana175.15AlfalfaLadak 65286.09Western YarrowEagle2.92Small BurnetDelar173.78Blue FlaxAppar40.23	Species Release Bulk Lbs Planted % Purity Snake River Wheatgrass Secar 633.91 97.37% Basin Wildrye Magnar 224.33 99.74% Big Bluegrass Sherman 241.10 84.40% Thickspike Wheatgrass Critana 175.15 98.90% Alfalfa Ladak 65 286.09 99.53% Western Yarrow Eagle 2.92 98.35% Small Burnet Delar 173.78 99.68% Blue Flax Appar 40.23 98.82%	Species Release Bulk Lbs Planted % Purity % Germ Snake River Wheatgrass Secar 633.91 97.37% 87.00% Basin Wildrye Magnar 224.33 99.74% 96.00% Big Bluegrass Sherman 241.10 84.40% 66.00% Thickspike Wheatgrass Critana 175.15 98.90% 93.00% Alfalfa Ladak 65 286.09 99.53% 99.00% Western Yarrow Eagle 2.92 98.35% 94.00% Small Burnet Delar 173.78 99.68% 93.00% Blue Flax Appar 40.23 98.82% 81.00%	Species Release Bulk Lbs Planted % Purity % Germ Analysis Snake River Wheatgrass Secar 633.91 97.37% 87.00% 11/6/13 Basin Wildrye Magnar 224.33 99.74% 96.00% 11/6/13 Big Bluegrass Sherman 241.10 84.40% 66.00% 11/6/13 Thickspike Wheatgrass Critana 175.15 98.90% 93.00% 11/6/13 Alfalfa Ladak 65 286.09 99.53% 99.00% 11/6/13 Western Yarrow Eagle 2.92 98.35% 94.00% 11/6/13 Small Burnet Delar 173.78 99.68% 93.00% 11/6/13 Blue Flax Appar 40.23 98.82% 81.00% 11/6/13	Species Release Bulk Lbs Planted % Purity % Germ Analysis % PLS Snake River Wheatgrass Secar 633.91 97.37% 87.00% 11/6/13 84.71% Basin Wildrye Magnar 224.33 99.74% 96.00% 11/6/13 95.75% Big Bluegrass Sherman 241.10 84.40% 66.00% 11/6/13 55.70% Thickspike Wheatgrass Critana 175.15 98.90% 93.00% 11/6/13 91.98% Alfalfa Ladak 65 286.09 99.53% 99.00% 11/6/13 98.53% Western Yarrow Eagle 2.92 98.35% 94.00% 11/6/13 92.45% Small Burnet Delar 173.78 99.68% 93.00% 11/6/13 92.70% Blue Flax Appar 40.23 98.82% 81.00% 11/6/13 80.04%	Species Release Bulk Lbs Planted % Purity % Germ Analysis Date of Analysis % PLS Planted Snake River Wheatgrass Secar 633.91 97.37% 87.00% 11/6/13 84.71% 537.0 Basin Wildrye Magnar 224.33 99.74% 96.00% 11/6/13 95.75% 214.8 Big Bluegrass Sherman 241.10 84.40% 66.00% 11/6/13 55.70% 134.3 Thickspike Wheatgrass Critana 175.15 98.90% 93.00% 11/6/13 91.98% 161.1 Alfalfa Ladak 65 286.09 99.53% 99.00% 11/6/13 98.53% 281.9 Western Yarrow Eagle 2.92 98.35% 94.00% 11/6/13 92.45% 2.7 Small Burnet Delar 173.78 99.68% 93.00% 11/6/13 80.04% 32.2 Blue Flax Appar 40.23 98.82% 81.00% 11/6/13 80.04% 32.2	Species Release Planted % Purity % Germ Analysis % PLS Planted PLS/Acre Snake River Wheatgrass Secar 633.91 97.37% 87.00% 11/6/13 84.71% 537.0 2.00 Basin Wildrye Magnar 224.33 99.74% 96.00% 11/6/13 95.75% 214.8 0.80 Big Bluegrass Sherman 241.10 84.40% 66.00% 11/6/13 55.70% 134.3 0.50 Thickspike Wheatgrass Critana 175.15 98.90% 93.00% 11/6/13 91.98% 161.1 0.60 Alfalfa Ladak 65 286.09 99.53% 99.00% 11/6/13 98.53% 281.9 1.05 Western Yarrow Eagle 2.92 98.35% 94.00% 11/6/13 92.45% 2.7 0.01 Small Burnet Delar 173.78 99.68% 93.00% 11/6/13 92.70% 161.1 0.60 Blue Flax Appar 40.23 98.82%	Species Release Bulk Lbs Planted % Purity % Germ Analysis Date of Analysis % PLS Planted LBS PLS PLS/Acre Planted Full PLS PLS/Acre Planted Snake River Wheatgrass Secar 633.91 97.37% 87.00% 11/6/13 84.71% 537.0 2.00 8 Basin Wildrye Magnar 224.33 99.74% 96.00% 11/6/13 95.75% 214.8 0.80 8 Big Bluegrass Sherman 241.10 84.40% 66.00% 11/6/13 55.70% 134.3 0.50 2 Thickspike Wheatgrass Critana 175.15 98.90% 93.00% 11/6/13 91.98% 161.1 0.60 6 Alfalfa Ladak 65 286.09 99.53% 99.00% 11/6/13 98.53% 281.9 1.05 5 Western Yarrow Eagle 2.92 98.35% 94.00% 11/6/13 92.45% 2.7 0.01 0.5 Small Burnet Delar 173.78 99.68% 93.00% 11/6/13	Species Release Bulk Lbs Planted % Purity % Germ Analysis Date of Analysis % PLS PLS Planted LBS PLS PLS/Acre Planted Full PLS Rate/Acre Planted Snake River Wheatgrass Secar 633.91 97.37% 87.00% 11/6/13 84.71% 537.0 2.00 8 25% Basin Wildrye Magnar 224.33 99.74% 96.00% 11/6/13 95.75% 214.8 0.80 8 10% Big Bluegrass Sherman 241.10 84.40% 66.00% 11/6/13 95.75% 214.8 0.80 8 10% Thickspike Wheatgrass Critana 175.15 98.90% 93.00% 11/6/13 91.98% 161.1 0.60 6 10% Alfalfa Ladak 65 286.09 99.53% 99.00% 11/6/13 98.53% 281.9 1.05 5 21% Western Yarrow Eagle 2.92 98.35% 94.00% 11/6/13 92.45% 2.7 0.01 0.5 2% Small Burnet	

I certify that the above seeding Meets / Does Not Meet Idaho NRCS Standards and Specifications

49 Comments or Reasons Practice does not meet specifications:

50

46

31 32	Permanent Vegetation Seeding As-Built - Attach Seed Tags											
33 34	Species	Release	Bulk Lbs Planted	% Purity	% Germ	Date of Analysis	% PLS	LBS PLS Planted	LBS PLS/Acre	Full PLS Rate/Acre	% Planted	% Planned
35	Snake River Wheatgrass	Secar	633.91	97.37%	87.00%	11/6/13	84.71%	537.0	2.00	8	25%	25%
36	Basin Wildrye	Magnar	224.33	99.74%	96.00%	11/6/13	95.75%	214.8	0.80	8	10%	13%
37	Big Bluegrass	Sherman	241.10	84.40%	66.00%	11/6/13	55.70%	134.3	0.50	2	25%	25%
88	Thickspike Wheatgrass	Critana	175.15	98.90%	93.00%	11/6/13	91.98%	161.1	0.60	6	10%	10%
39	Alfalfa	Ladak 65	286.09	99.53%	99.00%	11/6/13	98.53%	281.9	1.05	5	21%	20%
10	Western Yarrow	Eagle	2.92	98.35%	94.00%	11/6/13	92.45%	2.7	0.01	0.5	2%	2%
41	Small Burnet	Delar	173.78	99.68%	93.00%	11/6/13	92.70%	161.1	0.60	26	2%	2%
12	Blue Flax	Appar	40.23	98.82%	81.00%	11/6/13	80.04%	32.2	0.12	4	3%	3%
43												
14	Rice hulls											
15										Total	98%	100%
16												
17	I certify that t	he above seed	ing Me	ets / Do	s Not	Meet	Idaho	NRCS S	tandard	s and Si	cificati	ions
18	,										/'	
19	Comments or Reasons Pro	actice does not meet	specifications	::								
50												

Discrepancies between planned and planted may arise as seed companies will often use whole bags of seed instead of specified amounts.

NRCS Idaho requires the actual planted to be within 85 to 125% of planned to be in compliance. Other state standards may vary.

Aberdeen Plant Materials Center P.O. Box 296/ 1691 A South 2700 West Aberdeen, ID 83210-0296

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