

# 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 prep action.

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

Enter management recommendations.

	A	B	C	D	E	F	G	H	I	J	K	
1				<b>Seeding/Planting Plan - Specification</b> for use with Idaho Conservation Practice Standards 327, 342, 512, and 550							ID-CPA-025  Idaho	
2												
3												
4	<b>Natural Resources Conservation Service</b>										<b>October 2014</b>	
5	Cooperator:		Mac Donald			MLRA:		11b	Soil/Eco Site:		Ly 12-16	
6	Field Office:		Blackfoot			PPT:		10-14	Slope:		3%	
7	Practice Standard:		327- Conservation Cover			Aspect:		SE	Field No.:		1	
8	<b>(1) Mechanical Seedbed Prep. (describe tillage implements and dates of operations). Producer should notify NRCS of dates of operations.</b>											
9	Provide a firm weed-free seedbed (mechanically or chemically) that ensures good seed contact with mineral soil and ample soil											
10	moisture to uniformly facilitate seedling emergence. Seedbed firmness rule-of-thumb: a person's footprint will be no deeper than											
11	1/2 inch. Existing cover must be eliminated by cultivation and/or herbicides. Double disking, fallow, then chemical weed control may											
12	be needed to prepare the ground before planting.											
13												
14	<b>(2) Chemical Seedbed Preparation (describe chemical, application rates and dates). Producer should notify NRCS of dates of operations.</b>											
15	Application of herbicide/insecticide and no fertilizer as part of seedbed preparation may be needed. Use chemicals if needed to											
16	ensure a good weed free seedbed before planting, where it increases the likelihood of a successful planting. This method,											
17	depending upon the situation, may assist in seedbed firmness by avoiding extra tillage.											
18												
19												
20	<b>(3) Seeding Operation (describe)</b>									<b>Acres to be seeded: 268.5</b>		
21	Drill (type) or Broadcast:			Truax range drill			Row Width:		12	Seed Depth:		1/4"-1/2"
22	Fertilizer (rates/kind):			none								
23	Irrigation (rates/kind):			none								
24	Planned Seeding Date:			After 10/30/14								
25	Seed mix will be as shown below. Cover mix will be seeded with a Truax range drill. Rice hulls should be used as a carrier of the seed											
26	through conventional drills due to varying seed size. Rule of thumb for rice hulls is to set the drill for seeding 40 lbs of barley/ac. For											
27	proper seed distribution, refer to your owners manual. Inoculate legume seed.											
28												
29												
30	<b>(4) Management Recommendations and Establishment Protection (describe):</b>											
31	Clip in mid to late June for weed control during seeding establishment year. Additional clippings may be needed to help control											
32	annual weed competition. This should be done before weeds go to seed. Be sure the mowing operation spreads the residue evenly											
33	to avoid a windrow on top of new plants. Spot treatment of areas with chemical weed control when needed. Replanting due to											
34	inadequate stands must be done. Pest (weeds, insects, rabbits, rodents, etc) control will be undertaken when pests are determined											
35	to be detrimental to plantings.											
36	<b>Permanent Vegetation Seeding Rates</b>											
37												

# 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)

Permanent Vegetation Seeding Rates						
Species	Release	Full PLS Rate Lbs/Ac	% of Mix Planned	Planned PLS Rate/Ac	Planned Acres	Total Lbs PLS Needed
Snake River Wheatgrass	Discovery or Secar	8	25%	2.00	268.5	537.00
Basin Wildrye	Magnar or Trailhead	8	13%	1.04	268.5	279.24
Big Bluegrass	Sherman	2	25%	0.50	268.5	134.25
Thickspike Wheatgrass	Bannock or Critana	6	10%	0.60	268.5	161.10
Alfalfa	Ladak or Ranger	5	20%	1.00	268.5	268.50
Western Yarrow	Eagle or Yakima	0.5	2%	0.01	268.5	2.69
Small Burnet	Delar	26	2%	0.52	268.5	139.62
Blue Flax	Appar	4	3%	0.12	268.5	32.22
Rice hulls	5 lbs/ac				268.5	
		<b>Total</b>	<b>100%</b>			

Conservation Planner: \_\_\_\_\_ Date: \_\_\_\_\_

*I have reviewed and understand the requirements of the seeding plan provided and agree to implement the practice as designed. Any changes to seeding plan due to cost or availability of planned species must be approved by NRCS prior to seed purchase.*

Cooperator: \_\_\_\_\_ Date: \_\_\_\_\_




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

Clipboard		Font		Alignment		Number		Styles		
D49      fx 5 lbs/ac										
A	B	C	D	E	F	G	H	I	J	K
28										
29										
30	<b>(4) Management Recommendations and Establishment Protection (describe):</b>									
31										
32										
33										
34										
35										
36	<b>Permanent Vegetation Seeding Rates</b>									
37										
38	<b>Species</b>	<b>Release</b>	<b>Full PLS Rate Lbs/Ac</b>	<b>% of Mix Planned</b>	<b>Planned PLS Rate/Ac</b>	<b>Planned Acres</b>	<b>Total Lbs PLS Needed</b>			
39										
40	Snake River Wheatgrass	Discovery or Secar	8	25%	2.00	268.5	537.00			
41	Basin Wildrye	Magnar or Trailhead	8	13%	1.04	268.5	279.24			
42	Big Bluegrass	Sherman	2	25%	0.50	268.5	134.25			
43	Thickspike Wheatgrass	Bannock or Critana	6	10%	0.60	268.5	161.10			
44	Alfalfa	Ladak or Ranger	5	20%	1.00	268.5	268.50			
45	Western Yarrow	Eagle or Yakima	0.5	2%	0.01	268.5	2.69			
46	Small Burnet	Delar	26	2%	0.52	268.5	139.62			
47	Blue Flax	Appar	4	3%	0.12	268.5	32.22			
48						268.5				
49	Rice hulls	5 lbs/ac				268.5				
50			<b>Total</b>	<b>100%</b>						
51										
52	<b>Conservation Planner:</b> _____					<b>Date:</b> _____				
53										
54										
55	<i>I have reviewed and understand the requirements of the seeding plan provided and agree to implement the practice as designed. Any changes to seeding plan due to cost or availability of planned species must be approved by NRCS prior to seed purchase.</i>									
56										
57										
58	<b>Cooperator:</b> _____					<b>Date:</b> _____				
59										
60										
61										
62										
63										



# As-Built

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1				<b>Seeding/Planting Plan - AS-BUILT</b>										ID-CPA-025
2				for use with Idaho Conservation Practice Standards										
3				327, 342, 512, and 550										Idaho
4	Natural Resources Conservation Service												October 2014	
5	Cooperator:	Mac Donald				MLRA:	11b	Soil/Eco Site:	Ly 12-16					
6	Field Office:	Blackfoot				PPT:	10-14	Slope:	3%					
7	Practice Standard:	327- Conservation Cover				Aspect:	SE	Field No.:						
8	Seedbed Preparation - Describe tillage operations, implements, chemical treatments and dates that operations were performed:													
9														
10														
11														
12														
13														
14														
15														
16														
17	Seeding Operation - Describe										Acres Seeded:	268.5		
18	Drill (type) or Broadcast:					Row Width:			Seed Depth:					
19	Fertilizer (rates/kind):													
20	Irrigation (rates/kind):													
21	Seeding Date:													
22	Initial Stand Establishment Management Recommendations, Protection, Weed and Pest Control and Additional Comments:													
23														
24														
25														
26														
27														
28														
29														
30														
31	Permanent Vegetation Seeding As-Built - Attach Seed Tags													
32														
33	<u>Species</u>	<u>Release</u>	<u>Bulk Lbs Planted</u>	<u>% Purity</u>	<u>% Germ</u>	<u>Date of Analysis</u>	<u>% PLS</u>	<u>LBS PLS Planted</u>	<u>LBS PLS/Acre</u>	<u>Full PLS Rate/Acre</u>	<u>% Planted</u>	<u>% Planned</u>		
34														

Enter description of actual seeding operation and management

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



# The Seed Tag

Price By	Quantity Shipped		Description	Variety
	PLS	Bulk		
*** MIX # 137013 FIELD NO. T3126 ***				
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

% Pure	Common Name	Variety	G + D or H	Origin
19.78	BLUEBUNCH, WHEATGRASS	Secar	87 -TZ	WA
9.13	ALFALFA	Ladak 65	82 + 17 = 99	MT
7.17	WILDRYE, GREAT BASIN	Magnar	96 + 0 = 96	MT
6.52	BLUEGRASS, BIG	Sherman	66 -TZ	WA
5.55	THICKSPIKE WHEATGRASS	Critana	88 + 5 = 93	WA
5.55	SMALL BURNET	Delar	90 + 3 = 93	WA
1.27	BLUE FLAX, LEWIS	Appar	81 + 0 = 81	WA
0.09	YARROW, WESTERN	Eagle	94 + 0 = 94	WA
0.02	Other Crop	Date Tested:	06-NOV-13	
1.78	Inert Matter	% Hard Seed:	1.56	
0.09	Weed Seed	Noxious Weed:	None	
-----				
Net Weight:		24.44	Lbs. PLS	28.49
Rice Hulls:				21.51 Lbs. Bulk

# Bulk Lbs Planted

Enter bulk lbs  
from seed tag

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
<b>Grand Total Lbs:</b>		<b>1,777.52</b>	<b>1,525.10</b>	

Permanent Vegetation Seeding As-Built - Attach Seed Tags											
Species	Release	Bulk Lbs Planted	% Purity	% Germ	Date of Analysis	% PLS	LBS PLS Planted	LBS PLS/Acre	Full PLS Rate/Acre	% Planted	% Planned
Snake River Wheatgrass	Secar	633.91							8		25%
Basin Wildrye	Magnar	224.33							8		13%
Big Bluegrass	Sherman	241.10							2		25%
Thickspike Wheatgrass	Critana	175.15							6		10%
Alfalfa	Ladak 65	286.09							5		20%
Western Yarrow	Eagle	2.92							0.5		2%
Small Burnet	Delar	173.78							26		2%
Blue Flax	Appar	40.23							4		3%
Rice hulls											
									<b>Total</b>		<b>100%</b>
I certify that the above seeding <b>Meets / Does Not Meet</b> Idaho NRCS Standards and Specifications											
Comments or Reasons Practice does not meet specifications:											

# % 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
<b>Mix #</b>	<b>Number of Bags</b>	<b>Bulk Lbs. Per Bag</b>				
137013	62	50 full				
137013	1	20.02 partial				

Permanent Vegetation Seeding As-Built - Attach Seed Tags											
Species	Release	Bulk Lbs. Planned	% Purity	% Germ	Date of Analysis	% PLS	LBS PLS Planted	LBS PLS/Acre	Full PLS Rate/Acre	% Planted	% Planned
Snake River Wheatgrass	Secar	633.91	97.37%						8		25%
Basin Wildrye	Magnar	224.33	99.74%						8		13%
Big Bluegrass	Sherman	241.10	84.40%						2		25%
Thickspike Wheatgrass	Critana	175.15	98.90%						6		10%
Alfalfa	Ladak 65	286.09	99.53%						5		20%
Western Yarrow	Eagle	2.92	98.35%						0.5		2%
Small Burnet	Delar	173.78	99.68%						26		2%
Blue Flax	Appar	40.23	98.82%						4		3%
Rice hulls											
									<b>Total</b>		<b>100%</b>
<b>I certify that the above seeding Meets / Does Not Meet Idaho NRCS Standards and Specifications</b>											
<i>Comments or Reasons Practice does not meet specifications:</i>											

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.

<b>Terms:</b> Net 30	<b>Customer P.O.:</b> Larry	<b>Ordered By:</b> Larry
<b>Shipper:</b> DIAMOND	<b>Prepaid / Collect:</b> Prepaid	<b>FOB:</b> Destination

Price By	Quantity Shipped		Description
	PLS	Bulk	
← MIX # 102708 CRP →			
PLS #	217.20	243.97	AGROPYRON FRAGILE SSP. SIBERICUM SIBERIAN WHEATGRASS
PLS #	564.60	686.31	AGROPYRON CRISTATUM CRESTED WHEATGRASS
PLS #	861.70	946.24	PSATHYROSTACHYS JUNCEA RUSSIAN WILDRYE
PLS #	651.46	671.67	MEDICAGO SATIVA ALFALFA
PLS #	425.61	601.97	MELILOTUS OFFONALIS YELLOW SWEETCLOVER
Lb	3,908.70	3,908.70	RICE HULLS RICE HULLS

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

64 of 140  
1-10470  
CRP

**Mix Name: CRP**  
**Mix # 102708**

% Pure	Common Name	Variety	G + D or H	Origin
13.31	RUSSIAN WILDRYE	Bozolsky	75 + 18	
9.65	ALFALFA	Ladak	62 + 35	MT
9.43	CRESTED WHEATGRASS	Ephraim	86 + 0	
7.19	YELLOW SWEETCLOVER	Yellow Blossom	64 + 21	CAN
3.39	SIBERIAN WHEATGRASS	Vavilov	92 + 0	

0.08 Other Crop      Date Tested      17-OCT-11  
0.81 Inert Matter      % Hard Seed      4.89  
0.03 Weed Seed      Restricted Weed: bromus tectorum

---

Net Weight: 19.54      Lbs. PLS      21.92      Lbs. Bulk  
Rice Hulls      28.08 Lbs. Bulk

=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%

2. Determine % Purity

% purity= % PLS/%viable

% purity= 89%/92%= 96.7%

Terms: Net 30	Customer P.O.	Ordered By: Larry
Shipper: DIAMOND	Prepaid / Collect: Prepaid	FOB: Destination

Price By	Quantity Shipped		Description
	PLS	Bulk	
← MIX # 102708 CRP →			
PLS #	217.20	243.97	AGROPYRON FRAGILE SSP. SIBERICUM SIBERIAN WHEATGRASS
PLS #	664.60	666.31	AGROPYRON CRISTATUM CRESTED WHEATGRASS
PLS #	861.70	946.24	PSATHYROSTACHYS JUNCEA RUSSIAN WILDRYE
PLS #	651.46	671.67	MEDICAGO SATIVA ALFALFA
PLS #	425.61	601.97	MELILOTUS OFFONALIS YELLOW SWEETCLOVER
Lb	3,908.70	3,908.70	RICE HULLS RICE HULLS

Viability=Germ + dormant or hard seed

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

Mix Name: CRP  
Mix # 102708

64 of 140  
1-10470  
CRP

% Pure	Common Name	Variety	G + D or H	Origin
13.31	RUSSIAN WILDRYE	Bozolsky	75 + 18	
9.65	ALFALFA	Ladak	62 + 35	MT
9.43	CRESTED WHEATGRASS	Ephraim	86 + 0	
7.19	YELLOW SWEETCLOVER	Yellow Blossom	64 + 21	CAN
3.39	SIBERIAN WHEATGRASS	Vavilov	92 + 0	

0.08 Other Crop Date Tested 17-OCT-11  
0.81 Inert Matter % Hard Seed 4.89  
0.03 Weed Seed Restricted Weed bromus tectorum

Net Weight 19.54 Lbs PLS 21.92 Lbs Bulk  
Rice Hulls 28.08 Lbs Bulk



## 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	98.68	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

# % 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.

27												
28												
29												
30												
31	<b>Permanent Vegetation Seeding As-Built - Attach Seed Tags</b>											
32												
33	<u>Species</u>	<u>Release</u>	<u>Bulk Lbs Planted</u>	<u>% Purity</u>	<u>% Germ</u>	<u>Date of Analysis</u>	<u>% PLS</u>	<u>LBS PLS Planted</u>	<u>LBS PLS/Acre</u>	<u>Full PLS Rate/Acre</u>	<u>% Planted</u>	<u>% Planned</u>
34												
35	Snake River Wheatgrass	Secar	633.91	97.37%	87.00%		84.71%	537.0	2.00	8	25%	25%
36	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%
38	Thickspike Wheatgrass	Critana	175.15	98.90%	93.00%		91.98%	161.1	0.60	6	10%	10%
39	Alfalfa	Ladak 65	286.09	99.53%	99.00%		98.53%	281.9	1.05	5	21%	20%
40	Western Yarrow	Eagle	2.92	98.35%	94.00%		92.45%	2.7	0.01	0.5	2%	2%
41	Small Burnet	Delar	173.78	99.68%	93.00%		92.70%	161.1	0.60	26	2%	2%
42	Blue Flax	Appar	40.23	98.82%	81.00%		80.04%	32.2	0.12	4	3%	3%
43												
44	Rice hulls											
45										<b>Total</b>	<b>98%</b>	<b>100%</b>
46	<b>I certify that the above seeding Meets / Does Not Meet Idaho NRCS Standards and Specifications</b>											
47												
48												
49	<i>Comments or Reasons Practice does not meet specifications:</i>											
50												
51												
52												



# Date of Analysis

% Pure	Common Name	Variety	G + D or H	Origin
19.78	BLUEBUNCH, WHEATGRASS	Secar	87 -TZ	WA
9.13	ALFALFA	Ladak65	82 + 17 = 99	MT
7.17	WILD RYE, GREAT BASIN	Magnar	96 + 0 = 96	MT
6.52	BLUEGRASS, BIG	Sherman	66 -TZ	WA
5.55	THICKSPIKE WHEATGRASS	Critana	88 + 5 = 93	WA
5.55	SMALL BURNET	Delar	90 + 3 = 93	WA
1.27	BLUE FLAX, LEWIS	Appar	81 + 0 = 81	WA
0.09	YARROW, WESTERN	Eagle	94 + 0 = 94	WA
0.02	Other Crop	Date Tested:	06-NOV-13	
1.78	Inert Matter	% Hard Seed:	1.58	
0.09	Weed Seed	Noxious Weed:	None	
-----				
Net Weight:	24.44	Lbs. PLS	28.49	Lbs. Bulk
Rice Hulls:			21.51	Lbs. Bulk

Permanent Vegetation Seeding As-Built - Attach Seed Tags											
Species	Release	Bulk Lbs Planted	% Purity	% Germ	Date of Analysis	% PLS	LBS PLS Planted	LBS PLS/Acre	Full PLS 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%
I certify that the above seeding <b>Meets / Does Not Meet</b> Idaho NRCS Standards and Specifications											
Comments or Reasons Practice does not meet specifications:											

Permanent Vegetation Seeding As-Built - Attach Seed Tags											
Species	Release	Bulk Lbs. Planted	% Purity	% Germ	Date of Analysis	% PLS	LBS PLS Planted	LBS PLS/Acre	Full PLS 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											
									<b>Total</b>	<b>98%</b>	<b>100%</b>
I certify that the above seeding <b>Meets / Does Not Meet</b> Idaho NRCS Standards and Specifications											
<i>Comments or Reasons Practice does not meet specifications:</i>											

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**

**Telephone: 208.397.4133  
FAX: 855-524-1691**

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, sexual orientation, or marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 1400 Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.