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.
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.id.nrcs.usda.gov/programs/tech_ref.html#TechNotes

This mix requires 8.97 lbs of rice hulls/acre or 2,409 lbs for the entire project.
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

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

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Variety</th>
<th>Origin</th>
<th>Lot #</th>
<th>Purity</th>
<th>G+D+H</th>
<th>%PLS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alfalfa</td>
<td>Ladak 65</td>
<td>MT</td>
<td>MESA - JB121813</td>
<td>99.53</td>
<td>82 + 17 = 99</td>
<td>98.53</td>
</tr>
<tr>
<td>Blue Flax, Lewis</td>
<td>Appar</td>
<td>WA</td>
<td>LILE - L-5M1P</td>
<td>98.82</td>
<td>81 + 0 = 81</td>
<td>80.04</td>
</tr>
<tr>
<td>Bluebunch, Wheatgrass</td>
<td>Secar</td>
<td>WA</td>
<td>AGSP - 13-0-29</td>
<td>97.37</td>
<td>87</td>
<td>84.71</td>
</tr>
<tr>
<td>Bluegrass, Big</td>
<td>Shemen</td>
<td>WA</td>
<td>POAM - LHS-121109</td>
<td>84.40</td>
<td>66</td>
<td>55.70</td>
</tr>
<tr>
<td>Small burnet</td>
<td>Delar</td>
<td>WA</td>
<td>SAMI - L-1JZC2G0K-2</td>
<td>99.88</td>
<td>90 + 3 = 93</td>
<td>92.70</td>
</tr>
<tr>
<td>Thickspike wheatgrass</td>
<td>Critana</td>
<td>WA</td>
<td>AGDA - G1069</td>
<td>98.90</td>
<td>88 + 5 = 93</td>
<td>91.98</td>
</tr>
<tr>
<td>Wildrye, Great Basin</td>
<td>Megrar</td>
<td>MT</td>
<td>ELCI - D0505</td>
<td>99.74</td>
<td>96 + 0 = 96</td>
<td>95.75</td>
</tr>
<tr>
<td>Yarrow, Western</td>
<td>Eagle</td>
<td>WA</td>
<td>ACLA - BFI-11-10101649</td>
<td>98.35</td>
<td>94 + 0 = 94</td>
<td>92.45</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mix #</th>
<th>Number of Bags</th>
<th>Bulk Lbs. Per Bag</th>
</tr>
</thead>
<tbody>
<tr>
<td>137013</td>
<td>62</td>
<td>50 full</td>
</tr>
<tr>
<td>137013</td>
<td>1</td>
<td>20.02 partial</td>
</tr>
</tbody>
</table>
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

= You may have to figure it out.
Calculating % Purity (if necessary)

1. Find % PLS of each species
   \[ \% \text{PLS} = \frac{\text{LBS PLS}}{\text{LBS bulk}} \]
   \[ \frac{217.2}{243.97} = 89\% \]

2. Determine % Purity
   \[ \% \text{purity} = \frac{\% \text{PLS}}{\% \text{viable}} \]
   \[ \frac{89\%}{92\%} = 96.7\% \]

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

- Date Tested: **06-NOV-13**
- % Pure: 19.78
- Common Name: BLUEBUNCH, WHEATGRASS
- Variety: Secar
- G + D or H: 89
- Origin: VA

### Permanent Vegetation Seeding As-Built - Attach Seed Tags

<table>
<thead>
<tr>
<th>Species</th>
<th>Release</th>
<th>Bulk Lbs Planted</th>
<th>% Purity</th>
<th>% Germ.</th>
<th>Date of Analysis</th>
<th>% PLS</th>
<th>LBS PLS Planted</th>
<th>LBS PLS/Acre</th>
<th>Full PLS Rate/Acre</th>
<th>% Planted</th>
<th>% Planned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Snake River Wheatgrass</td>
<td>Secar</td>
<td>653.91</td>
<td>97.37%</td>
<td>87.00%</td>
<td>11/6/13</td>
<td>84.71%</td>
<td>537.0</td>
<td>2.00</td>
<td>8</td>
<td>25%</td>
<td>25%</td>
</tr>
<tr>
<td>Basin Wildrye</td>
<td>Magnar</td>
<td>224.33</td>
<td>99.74%</td>
<td>96.00%</td>
<td>11/6/13</td>
<td>95.75%</td>
<td>214.8</td>
<td>0.80</td>
<td>8</td>
<td>10%</td>
<td>13%</td>
</tr>
<tr>
<td>Big Bluegrass</td>
<td>Sherman</td>
<td>241.10</td>
<td>84.40%</td>
<td>66.00%</td>
<td>11/6/13</td>
<td>55.70%</td>
<td>134.3</td>
<td>0.50</td>
<td>2</td>
<td>25%</td>
<td>25%</td>
</tr>
<tr>
<td>Thickspike Wheatgrass</td>
<td>Critana</td>
<td>175.15</td>
<td>98.90%</td>
<td>93.00%</td>
<td>11/6/13</td>
<td>91.98%</td>
<td>161.1</td>
<td>0.60</td>
<td>6</td>
<td>10%</td>
<td>10%</td>
</tr>
<tr>
<td>Alfalfa</td>
<td>Ladak 65</td>
<td>286.09</td>
<td>99.53%</td>
<td>99.00%</td>
<td>11/6/13</td>
<td>98.53%</td>
<td>281.9</td>
<td>1.05</td>
<td>5</td>
<td>21%</td>
<td>20%</td>
</tr>
<tr>
<td>Western Yarrow</td>
<td>Eagle</td>
<td>2.92</td>
<td>98.35%</td>
<td>94.00%</td>
<td>11/6/13</td>
<td>92.45%</td>
<td>2.7</td>
<td>0.01</td>
<td>0.5</td>
<td>2%</td>
<td>2%</td>
</tr>
<tr>
<td>Small Burnet</td>
<td>Delar</td>
<td>173.78</td>
<td>99.68%</td>
<td>93.00%</td>
<td>11/6/13</td>
<td>92.70%</td>
<td>161.1</td>
<td>0.60</td>
<td>26</td>
<td>2%</td>
<td>2%</td>
</tr>
<tr>
<td>Blue Flax</td>
<td>Appar</td>
<td>40.23</td>
<td>98.82%</td>
<td>81.00%</td>
<td>11/6/13</td>
<td>80.04%</td>
<td>32.2</td>
<td>0.12</td>
<td>4</td>
<td>3%</td>
<td>3%</td>
</tr>
<tr>
<td>Rice Hulls</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total: 98% 100%

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

Comments or Reasons Practice does not meet specifications:
NRCS Idaho requires the actual planted to be within 85 to 125% of planned to be in compliance. Other state standards may vary.

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