## Index of our Popular Alfalfa Cultivars

### Old Varieties:

<table>
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<tr>
<th>Cultivar</th>
<th>Description</th>
<th>Pest/Disease Resistance</th>
<th>Fall Dormancy</th>
</tr>
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</table>
| Ladak     | • Developed by the USDA in 1910.  
|           | • A tough, winter-hardy Alfalfa.  
|           | • Drought Tolerant.  
|           | • Susceptible to Lepto Leaf Spot (Wet Conditions).  
|           | • Susceptible to Phytophthora Root Rot (Wet Conditions).  
|           | • Bacterial Wilt (Low)  
|           | • Spring Black Stem (Low)  
|           | • Common Leaf Spot (Low)  
|           | • Northern Root Knot Nematodes  
|           | • Bacterial Wilt  
|           | • Fusarium Wilt  
|           | 2                                                                           |               |
| Vernal    | • Developed by University of Wisconsin in 1953.  
|           | • Fine-stemmed with dark green leaves.  
|           | • Winter-hardiness of varieties adapted to the far north.  
|           | • Very good cutting tolerance and very fast recovery.  
|           | • Drought tolerant.  
|           | • Bacterial Wilt  
|           | • Verticillium Wilt  
|           | • Anthracnose  
|           | • Phytophthora Root Rot  
|           | • Spotted Alfalfa Aphid  
|           | • Stem Nematodes  
|           | 2                                                                           |               |
| Vernema   | • Developed by the USDA and the Washington Agricultural Experiment Station in 1981.  
|           | • Winter-hardy...but with an FD of 4.  
|           | • Bred for quality forage production: Generous leaf-to-stem ratio with high protein content.  
|           | • Bacterial Wilt  
|           | • Verticillium Wilt  
|           | • Anthracnose  
|           | • Phytophthora Root Rot  
|           | • Spotted Alfalfa Aphid  
|           | • Stem Nematodes  
|           | 4                                                                           |               |
| Wrangler  | • Developed by the Nebraska USDA and AES breeding program in 1984.  
|           | • Fine-stemmed and leafy: Forage quality similar to Vernal (with better resistance package).  
|           | • Used for short and long-term hay and rotational grazing.  
|           | • Spotted Alfalfa Aphid  
|           | • Pea Aphids  
|           | • Bacterial Wilt  
|           | • Anthracnose  
|           | • Verticillium Wilt  
|           | • Fusarium Wilt  
|           | • Phytophthora  
|           | 2                                                                           |               |
Drought-Tolerant Varieties:

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| Nomad    | • Developed in 1941.  
          • Excellent Rangeland Alfalfa.  
          • A tough, winter-hardy variety.  
          • Drought-Tolerant.  
          • Persists under heavy grazing and even rodent damage.  
          • Spring planting preferred. | • N/A | 2 |
| Perry    | • Contains Ranger parentage but generally produces higher yields.  
          • Drought Tolerant.  
          • Long-lived and persistent stands.  
          • Used for hay production and rotationally grazed pastures. | • Alfalfa Weevil  
          • Pea Aphid  
          • Potato Leaf Hopper  
          • Spotted Alfalfa Aphid  
          • Anthracnose  
          • Bacterial Wilt  
          • Downy Mildew | 3 |
| Ranger   | • Developed by the Nebraska Agricultural Experiment Station and USDA and released in 1942.  
          • A winter-hardy, tough alfalfa used in many areas in the upper Midwest.  
          • Drought Tolerant: ...However, High yields with irrigation and heavy planting.  
          • Long-lived stands with deep taproot.  
          • Parent of Perry Alfalfa.  
          • Susceptible to leaf spot diseases. | • Bacterial Wilt | 3 |

Western Favorites:

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| Surpass  | • High-yielding, high quality (outstanding nutrient value), dark green variety: One of our best performers.  
          • Long-lasting variety and top winter-hardiness. | • Phytophthora Root Rot  
          • Verticillium Wilt  
          • Fusarium Wilt | 3 |
Treasure Valley Blend

- Can be used for hay, haylage, greenchop, or dehy production.
- Anthracnose
- Bacterial Wilt
- Leaf Hopper Yellowing
- A three-variety blend of Perry, Vernema, and Surpass that has become a local and Northwest favorite.
- Contains the high-nutrient values and generous leaf-to-stem ratio of Vernema and Surpass and boasts the drought tolerance and persistence of Perry.
- Contains a broad-spectrum pest-and-disease resistance package.
- Alfalfa Weevil
- Pea Aphid
- Potato Leaf Hopper
- Spotted Alfalfa Aphid
- Stem Nematodes
- Leaf Hopper Yellowing
- Anthracnose
- Phytophthora Root Rot
- Verticillium Wilt
- Fusarium Wilt
- Bacterial Wilt
- Downy Mildew

Andrews Seed and Other Premium Varieties:

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| AND 7530 | Yields dark green foliage with medium-to-fine stems: ideal for hay. Excellent winter survival: WSI 2.4. | - Phytophthora  
- Verticillium Wilt  
- Bacterial Wilt  
- Fusarium Wilt  
- Anthracnose  
- Pea Aphid  
- Stem Nematode | 3 |
| AND 1044 | Yields dark green foliage that makes it ideal for hay. Persistence is excellent under both normal and aggressive harvest schedules. Variety offers a quick recovery, Excellent Winter Survival, and Increased Pest Resistance. Produces high yields in heavier soils | - Bacterial Wilt  
- Verticillium Wilt  
- Fusarium Wilt  
- Phytophthora  
- Spotted Alfalfa Aphid  
- Pea Aphid  
- Stem Nematode  
- Northern Root Knot N.  
- Aphanomyces Root R.  
- Anthracnose | 4.2 |
AND 7540
- Yields dark green foliage with medium-to-fine stems: ideal for hay.
- Broad-spectrum resistance package—compare to TV Blend.
- Excellent winter survival: WSI 2.6.

AND 7550
- Yields dark green foliage with medium-to-fine stems: ideal for hay.
- Broad-spectrum resistance package—compare to TV Blend.
- WSI 4.1

AND 7570
- Yields dark green foliage with medium-to-fine stems: ideal for hay.
- Broad-spectrum resistance package—compare to TV Blend.
- Semi-Dormant Variety well-suited to warmer climates.

AND 7560
- Yields dark green foliage with medium-to-fine stems: ideal for hay.
- Broad-spectrum resistance package—compare to TV Blend.
- WSI 5.0

4.2
- Bacterial Wilt
- Verticillium Wilt
- Fusarium Wilt
- Phytophthora
- Spotted Alfalfa Aphid
- Pea Aphid
- Blue Alfalfa Aphid
- Stem Nematode
- Northern Root Knot Nematode
- Columbia Root Knot Nematode

5
- Bacterial Wilt
- Verticillium Wilt
- Fusarium Wilt
- Phytophthora
- Spotted Alfalfa Aphid
- Pea Aphid
- Blue Alfalfa Aphid
- Stem Nematode
- Northern Root Knot Nematode
- Columbia Root Knot Nematode
- Anthracnose

7
- Anthracnose
- Bacterial Wilt
- Verticillium Wilt
- Fusarium Wilt
- Phytophthora
- Spotted Alfalfa Aphid
- Pea Aphid
- Blue Alfalfa Aphid
- Stem Nematode
- Southern Root Knot Nematode