



## Index of our Popular Alfalfa Cultivars

### Old Varieties:

<u>Cultivar</u>	<u>Description</u>	<u>Pest/Disease Resistance</u>	<u>Fall Dormancy</u>
<b>Ladak</b>	<ul style="list-style-type: none"> <li>• Developed by the USDA in 1910.</li> <li>• A tough, winter-hardy Alfalfa.</li> <li>• Drought Tolerant.</li> <li>• Susceptible to Lepto Leaf Spot (Wet Conditions).</li> <li>• Susceptible to Phytophthora Root Rot (Wet Conditions).</li> </ul>	<ul style="list-style-type: none"> <li>• Bacterial Wilt (Low)</li> <li>• Spring Black Stem (Low)</li> <li>• Common Leaf Spot (Low)</li> </ul>	<b>2</b>
<b>Vernal</b>	<ul style="list-style-type: none"> <li>• Developed by University of Wisconsin in 1953.</li> <li>• Fine-stemmed with dark green leaves.</li> <li>• Winter-hardiness of varieties adapted to the far north.</li> <li>• Very good cutting tolerance and very fast recovery.</li> <li>• Drought tolerant.</li> </ul>	<ul style="list-style-type: none"> <li>• Northern Root Knot Nematodes</li> <li>• Bacterial Wilt</li> <li>• Fusarium Wilt</li> </ul>	<b>2</b>
<b>Vernema</b>	<ul style="list-style-type: none"> <li>• Developed by the USDA and the Washington Agricultural Experiment Station in 1981.</li> <li>• Winter-hardy...but with an FD of 4.</li> <li>• Bred for quality forage production: Generous leaf-to-stem ratio with high protein content.</li> </ul>	<ul style="list-style-type: none"> <li>• Bacterial Wilt</li> <li>• Verticillium Wilt</li> <li>• Anthracnose</li> <li>• Phytophthora Root Rot</li> <li>• Spotted Alfalfa Aphid</li> <li>• Stem Nematodes</li> </ul>	<b>4</b>
<b>Wrangler</b>	<ul style="list-style-type: none"> <li>• Developed by the Nebraska USDA and AES breeding program in 1984.</li> <li>• Fine-stemmed and leafy: Forage quality similar to Vernal (with better resistance package).</li> <li>• Used for short and long-term hay and rotational grazing.</li> </ul>	<ul style="list-style-type: none"> <li>• Spotted Alfalfa Aphid</li> <li>• Pea Aphids</li> <li>• Bacterial Wilt</li> <li>• Anthracnose</li> <li>• Verticillium Wilt</li> <li>• Fusarium Wilt</li> <li>• Phytophthora</li> </ul>	<b>2</b>



## Drought-Tolerant Varieties:

<u>Cultivar</u>	<u>Description</u>	<u>Pest/Disease Resistance</u>	<u>Fall Dormancy</u>
<b>Nomad</b>	<ul style="list-style-type: none"> <li>• Developed in 1941.</li> <li>• Excellent Rangeland Alfalfa.</li> <li>• A tough, winter-hardy variety.</li> <li>• Drought-Tolerant.</li> <li>• Persists under heavy grazing and even rodent damage.</li> <li>• Spring planting preferred.</li> </ul>	<ul style="list-style-type: none"> <li>• N/A</li> </ul>	<b>2</b>
<b>Perry</b>	<ul style="list-style-type: none"> <li>• Contains Ranger parentage but generally produces higher yields.</li> <li>• Drought Tolerant.</li> <li>• Long-lived and persistent stands.</li> <li>• Used for hay production and rotationally grazed pastures.</li> </ul>	<ul style="list-style-type: none"> <li>• Alfalfa Weevil</li> <li>• Pea Aphid</li> <li>• Potato Leaf Hopper</li> <li>• Spotted Alfalfa Aphid</li> <li>• Anthracnose</li> <li>• Bacterial Wilt</li> <li>• Downy Mildew</li> </ul>	<b>3</b>
<b>Ranger</b>	<ul style="list-style-type: none"> <li>• Developed by the Nebraska Agricultural Experiment Station and USDA and released in 1942.</li> <li>• A winter-hardy, tough alfalfa used in many areas in the upper Midwest.</li> <li>• Drought Tolerant: ...However, High yields with irrigation and heavy planting.</li> <li>• Long-lived stands with deep taproot.</li> <li>• Parent of Perry Alfalfa.</li> <li>• Susceptible to leaf spot diseases.</li> </ul>	<ul style="list-style-type: none"> <li>• Bacterial Wilt</li> </ul>	<b>3</b>

## Western Favorites:

<u>Cultivar</u>	<u>Description</u>	<u>Pest/Disease Resistance</u>	<u>Fall Dormancy</u>
<b>Surpass</b>	<ul style="list-style-type: none"> <li>• High-yielding, high quality (outstanding nutrient value), dark green variety: One of our best performers.</li> <li>• Long-lasting variety and top winter-hardiness.</li> </ul>	<ul style="list-style-type: none"> <li>• Phytophthora Root Rot</li> <li>• Verticillium Wilt</li> <li>• Fusarium Wilt</li> </ul>	<b>3</b>



- |                              |   |   |            |
|------------------------------|---|---|------------|
|                              | <ul style="list-style-type: none"> <li>• Can be used for hay, haylage, greenchop, or dehy production.</li> </ul>  | <ul style="list-style-type: none"> <li>• Anthracnose</li> <li>• Bacterial Wilt</li> <li>• Leaf Hopper Yellowing</li> </ul>  |            |
| <b>Treasure Valley Blend</b> | <ul style="list-style-type: none"> <li>• A three-variety blend of Perry, Vernema, and Surpass that has become a local and Northwest favorite.</li> <li>• Contains the high-nutrient values and generous leaf-to-stem ratio of Vernema and Surpass and boasts the drought tolerance and persistence of Perry.</li> <li>• Contains a broad-spectrum pest-and-disease resistance package.</li> </ul> | <ul style="list-style-type: none"> <li>• Alfalfa Weevil</li> <li>• Pea Aphid</li> <li>• Potato Leaf Hopper</li> <li>• Spotted Alfalfa Aphid</li> <li>• Stem Nematodes</li> <li>• Leaf Hopper Yellowing</li> <li>• Anthracnose</li> <li>• Phytophthora Root Rot</li> <li>• Verticillium Wilt</li> <li>• Fusarium Wilt</li> <li>• Bacterial Wilt</li> <li>• Downy Mildew</li> </ul> | <b>3-4</b> |

## Andrews Seed and Other Premium Varieties:

<u>Cultivar</u>	<u>Description</u>	<u>Pest/Disease Resistance</u>	<u>Fall Dormancy</u>
<b>AND 7530</b>	<ul style="list-style-type: none"> <li>• Yields dark green foliage with medium-to-fine stems: ideal for hay.</li> <li>• Excellent winter survival: WSI 2.4.</li> </ul>	<ul style="list-style-type: none"> <li>• Phytophthora</li> <li>• Verticillium Wilt</li> <li>• Bacterial Wilt</li> <li>• Fusarium Wilt</li> <li>• Anthracnose</li> <li>• Pea Aphid</li> <li>• Stem Nematode</li> </ul>	<b>3</b>
<b>AND 1044</b>	<ul style="list-style-type: none"> <li>• Yields dark green foliage that makes it ideal for hay.</li> <li>• Persistence is excellent under both normal and aggressive harvest schedules.</li> <li>• Variety offers a quick recovery, Excellent Winter Survival, and Increased Pest Resistance</li> <li>• Produces high yields in heavier soils</li> </ul>	<ul style="list-style-type: none"> <li>• Bacterial Wilt</li> <li>• Verticillium Wilt</li> <li>• Fusarium Wilt</li> <li>• Phytophthora</li> <li>• Spotted Alfalfa Aphid</li> <li>• Pea Aphid</li> <li>• Stem Nematode</li> <li>• Northern Root Knot N.</li> <li>• Aphanomyces Root R.</li> <li>• Anthracnose</li> </ul>	<b>4.2</b>



<b>AND 7540</b>	<ul style="list-style-type: none"> <li>• Yields dark green foliage with medium-to-fine stems: ideal for hay.</li> <li>• Broad-spectrum resistance package—compare to TV Blend.</li> <li>• Excellent winter survival: WSI 2.6.</li> </ul>	<ul style="list-style-type: none"> <li>• Bacterial Wilt</li> <li>• Verticillium Wilt</li> <li>• Fusarium Wilt</li> <li>• Phytophthora</li> <li>• Spotted Alfalfa Aphid</li> <li>• Pea Aphid</li> <li>• Blue Alfalfa Aphid</li> <li>• Stem Nematode</li> <li>• Northern Root Knot Nematode</li> <li>• Columbia Root Knot Nematode</li> </ul>	<b>4.2</b>
<b>AND 7550</b>	<ul style="list-style-type: none"> <li>• Yields dark green foliage with medium-to-fine stems: ideal for hay.</li> <li>• Broad-spectrum resistance package—compare to TV Blend.</li> <li>• WSI 4.1</li> </ul>	<ul style="list-style-type: none"> <li>• Bacterial Wilt</li> <li>• Verticillium Wilt</li> <li>• Fusarium Wilt</li> <li>• Phytophthora</li> <li>• Spotted Alfalfa Aphid</li> <li>• Pea Aphid</li> <li>• Blue Alfalfa Aphid</li> <li>• Stem Nematode</li> <li>• Northern Root Knot Nematode</li> <li>• Columbia Root Knot Nematode</li> </ul>	<b>5</b>
<b>AND 7570</b>	<ul style="list-style-type: none"> <li>• Yields dark green foliage with medium-to-fine stems: ideal for hay.</li> <li>• Broad-spectrum resistance package—compare to TV Blend.</li> <li>• Semi-Dormant Variety well-suited to warmer climates.</li> </ul>	<ul style="list-style-type: none"> <li>• Anthracnose</li> <li>• Bacterial Wilt</li> <li>• Verticillium Wilt</li> <li>• Fusarium Wilt</li> <li>• Phytophthora</li> <li>• Spotted Alfalfa Aphid</li> <li>• Pea Aphid</li> <li>• Blue Alfalfa Aphid</li> <li>• Stem Nematode</li> <li>• Southern Root Knot Nematode</li> </ul>	<b>7</b>