## Recommended Small Grain Varieties For Fall Seeding

**R. J. MEARS and I. M. ATKINS**

*Respectively, extension agronomist and agronomist in charge of small grain research, Texas Agricultural Experiment Station, College Station and Agricultural Research Service, U.S. Department of Agriculture.*

### AREAS

1. **Tascosa**
   - Recommended: Comanche
   - Acceptable: Mustang

2. **Chillicothe**
   - Recommended: Comanche
   - Acceptable: Mustang

3. **Quanah**
   - Recommended: Mustang
   - Acceptable: Comanche

4. **Kaw**
   - Recommended: Mustang
   - Acceptable: Comanche

5. **Bison**
   - Recommended: Mustang
   - Acceptable: Comanche

6. **Aztec**
   - Recommended: Mustang
   - Acceptable: Comanche

7. **Tascosa**
   - Recommended: Mustang
   - Acceptable: Comanche

8. **Ponca**
   - Recommended: Mustang
   - Acceptable: Comanche

9. **Bison**
   - Recommended: Mustang
   - Acceptable: Comanche

10. **Aztec**
    - Recommended: Mustang
    - Acceptable: Comanche

11. **Tascosa**
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12. **Ponca**
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13. **Bison**
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14. **Aztec**
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22. **Aztec**
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24. **Ponca**
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25. **Bison**
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26. **Aztec**
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27. **Tascosa**
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28. **Ponca**
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29. **Bison**
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30. **Aztec**
    - Recommended: Mustang
    - Acceptable: Comanche

31. **Tascosa**
    - Recommended: Mustang
    - Acceptable: Comanche

32. **Ponca**
    - Recommended: Mustang
    - Acceptable: Comanche

33. **Bison**
    - Recommended: Mustang
    - Acceptable: Comanche

34. **Aztec**
    - Recommended: Mustang
    - Acceptable: Comanche

### DISEASE AND PLANT CHARACTERISTICS

<table>
<thead>
<tr>
<th>WHEAT</th>
<th>Leaf rust</th>
<th>Stem rust</th>
<th>Bunt</th>
<th>Loose smut</th>
<th>Maturity</th>
<th>Height</th>
<th>Straw strength</th>
<th>Test weight</th>
<th>Quality</th>
<th>Chaff color</th>
<th>Awned or awnless</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tascosa</strong></td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>M/Early</td>
<td>Short</td>
<td>V/Good</td>
<td>Excellent</td>
<td>Excellent</td>
<td>Brown</td>
<td>Awned</td>
<td>Awned</td>
<td>Awned</td>
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<tr>
<td><strong>Kaw</strong></td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>M/Early</td>
<td>Tall</td>
<td>Good</td>
<td>Excellent</td>
<td>Excellent</td>
<td>White/Black</td>
<td>Awned</td>
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<tr>
<td><strong>Ponca</strong></td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>M/Early</td>
<td>Tall</td>
<td>Fair</td>
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<td>Good</td>
<td>Brown</td>
<td>Awned</td>
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<td>Awned</td>
</tr>
<tr>
<td><strong>Bison</strong></td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>M/Early</td>
<td>Tall</td>
<td>Fair</td>
<td>Excellent</td>
<td>Good</td>
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<td>Awned</td>
<td>Awned</td>
<td>Awned</td>
</tr>
<tr>
<td><strong>Aztec</strong></td>
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<td>S</td>
<td>S</td>
<td>M/Early</td>
<td>Tall</td>
<td>Fair</td>
<td>Excellent</td>
<td>Good</td>
<td>Brown</td>
<td>Awned</td>
<td>Awned</td>
<td>Awned</td>
</tr>
<tr>
<td><strong>Tascosa</strong></td>
<td>S</td>
<td>S</td>
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<td>Short</td>
<td>Good</td>
<td>Excellent</td>
<td>Excellent</td>
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<td>S</td>
<td>M/Early</td>
<td>Short</td>
<td>Good</td>
<td>Excellent</td>
<td>Excellent</td>
<td>White</td>
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<td>M/Early</td>
<td>Tall</td>
<td>Good</td>
<td>Excellent</td>
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<td>S</td>
<td>S</td>
<td>M/Early</td>
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<td>Good</td>
<td>Excellent</td>
<td>Excellent</td>
<td>White</td>
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### BARLEY

<table>
<thead>
<tr>
<th>BARLEY</th>
<th>Leaf rust</th>
<th>Stem rust</th>
<th>Mildew</th>
<th>Loose smut</th>
<th>Maturity</th>
<th>Height</th>
<th>Straw strength</th>
<th>Test weight</th>
<th>Tschech</th>
<th>Winter hardwoodiness</th>
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<tr>
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<td>S</td>
<td>S</td>
<td>S</td>
<td>VS</td>
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<td>M/Early</td>
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<td>Good</td>
<td>Fair</td>
<td>Gray</td>
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<tr>
<td><strong>Frisco</strong></td>
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<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>M/Early</td>
<td>Tall</td>
<td>Good</td>
<td>Fair</td>
<td>L/Light</td>
</tr>
<tr>
<td><strong>Irrigated</strong></td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>M/Early</td>
<td>Tall</td>
<td>Good</td>
<td>Fair</td>
<td>L/Light</td>
</tr>
<tr>
<td><strong>Bison</strong></td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>M/Early</td>
<td>Short</td>
<td>Good</td>
<td>Fair</td>
<td>Red</td>
</tr>
<tr>
<td><strong>Frisco</strong></td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
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<td>Red</td>
</tr>
</tbody>
</table>

*Comments:*
- Very resistant to crown and fusarium blight.
- Moderately susceptible.
- Moderately resistant.
- Moderately susceptible.
- Very susceptible.
- Intermediate type.
- In seedling stage.

**Note:** No commercial variety adapted to Texas is resistant to all races. For intermediate variety, less winter hardy than other varieties.

**Winter hardiness:**
- Barren or smooth awns.
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