Shur Grow offers bulk, mini-bulk and 50# packaged units treated with Shur Coat Seed Treatment. Our Shur Coat brand name allows us to utilize the best fungicide products available in the market for optimum disease control during the critical stand establishment period. Other value added wheat treatments are also available to be applied to bulk or mini-bulk product as needed. Insect Protection products and Plant Growth Promoting products are available upon request. Contact your local Heritage Cooperative representative for details on the latest yield protecting and yield enhancing products! Many Shur Grow Wheat varieties are currently held in bulk; cleaned, conditioned, untreated supply - ready for treatment to be applied on demand to meet your needs.

**Wheat Planting Guide**

**Seeding Rate Chart**

**Pounds of Seed Needed Per Acre**

<table>
<thead>
<tr>
<th>Millions Of Seeds/Ac</th>
<th>1.2</th>
<th>1.4</th>
<th>1.6</th>
<th>1.8</th>
<th>2.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seed Per Pound</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10,000</td>
<td>120</td>
<td>140</td>
<td>160</td>
<td>180</td>
<td>200</td>
</tr>
<tr>
<td>11,000</td>
<td>109</td>
<td>127</td>
<td>145</td>
<td>164</td>
<td>182</td>
</tr>
<tr>
<td>12,000</td>
<td>100</td>
<td>116</td>
<td>133</td>
<td>150</td>
<td>167</td>
</tr>
<tr>
<td>13,000</td>
<td>92</td>
<td>108</td>
<td>123</td>
<td>138</td>
<td>154</td>
</tr>
<tr>
<td>14,000</td>
<td>85</td>
<td>100</td>
<td>114</td>
<td>129</td>
<td>143</td>
</tr>
<tr>
<td>15,000</td>
<td>80</td>
<td>93</td>
<td>107</td>
<td>120</td>
<td>133</td>
</tr>
<tr>
<td>16,000</td>
<td>75</td>
<td>88</td>
<td>100</td>
<td>113</td>
<td>125</td>
</tr>
<tr>
<td>17,000</td>
<td>71</td>
<td>82</td>
<td>94</td>
<td>106</td>
<td>118</td>
</tr>
<tr>
<td>18,000</td>
<td>66</td>
<td>77</td>
<td>89</td>
<td>100</td>
<td>111</td>
</tr>
</tbody>
</table>

**Average Seeding Rate:**

1.6 million seeds per acre. Adjust accordingly for variable soil conditions.

For best results:

- Plant 1.4 to 1.6 million seeds per acre during the two weeks following the fly-free date.
- Plant 1.6 to 2.0 million seeds per acre the third and fourth weeks following the fly-free date.

**Hessian Fly-Free Date**

By Date and County

Wheat sown on or after the date indicated for each county will escape most egg deposition by the fall brood of Hessian Fly. Egg-laying is completed within the 2 to 3 day female lifespan. Therefore, it is important to time autumn wheat sowing to escape most egg deposition on the plants.
## Wheat Varieties

### SG-1537S
- Best in Class *Type I & Type II Head Scab resistance
- Performs well on all soil types - plant early at higher populations for best results.
- Smooth variety also containing Stripe Rust resistance & good test weight.
- Medium/short height with very good stand and winter hardiness.
- Early maturing variety with yield & tremendous disease package
- Excellent on Leaf & Stem Rust, Septoria, Barley Yellow Dwarf & Powdery mildew.

### SG-1544
- Top grain & straw yield
- Bright, high quality straw in a med-early maturity
- OSU Wheat trial results:
  - 2019 OSU data: 77.5 bu/ac (0.8 bu over state average)
  - 2018 OSU wheat trials: 87.5 bu/ac average
  - 2017 OSU wheat trials: 101.4 bu/ac average
- Very good test weight & disease package
- Widely adapted to soil types & row widths
- Excellent choice for 15 inch rows
- Responds well to high management & fungicide programs
- Excellent winter hardness & straw strength

### SG-1546S
- High yielding wheat containing *Type II Head Scab resistance
  - Significant reduction in Head Scab in years disease is present
  - Scab is isolated to infected kernel, spread is greatly reduced
- OSU Wheat trial results:
  - 2019 OSU data: 79.1 bu/ac (2.4 bu over state average)
  - 2018: #7 overall yield at 91.2 bu/ac average
  - 2017: Highest yielding single entry in entire OSU wheat trials (all counties) @ 122.3 bu/ac in Wayne County.
  - 2016: 109.0 bu/ac average, in a non-scab year
- Excellent test weight & winter hardiness
- Awned, medium height variety with great standability
- Manage Powdery Mildew, Leaf & Stripe Rust for best results
- Great variety for high management situations, apply fungicide for maximum yields

### SG-1547S
- High yielding wheat containing *Type II Head Scab resistance
  - Lower spread of infection within heads under heavy pressure
  - OSU Wheat trial results:
    - 2019 OSU data: 77.9 bu/ac (1.2 bu over state average)
    - 2018: 87.6 bu/ac average
    - 2017: 106.0 bu/ac average, in a non-scab year
  - Excellent standability & test weight
  - Smooth variety with excellent tillering & winter hardiness
  - Stripe Rust resistant with good straw height

*Resistance to Fusarium Head Blight (FHB) – or Head Scab - in wheat has been classified into three types: resistance to the initial infection (type I), resistance to spreading within a spike (type II) and resistance to mycotoxin degradation (type III). Type I & Type II resistance are the two main types that are commercially available. The Fhb1 genes contained in these varieties confer Type I or Type II resistance which reduces the amount of the DON (Deoxynivalenol) mycotoxin as compared to non-resistant varieties in years the disease is present.

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### Wheat Characteristics

<table>
<thead>
<tr>
<th>Variety</th>
<th>Maturity</th>
<th>Height</th>
<th>Head Type</th>
<th>Test Weight</th>
<th>Stand</th>
<th>Straw</th>
<th>Winter Hardiness</th>
<th>Head Scab Tolerance</th>
<th>Leaf Rust</th>
<th>Powdery Mildew</th>
<th>Septoria Leaf Blotch</th>
<th>Septoria Glume Blotch</th>
<th>Soil Borne Mosaic Virus</th>
<th>Barley Yellow Dwarf</th>
</tr>
</thead>
<tbody>
<tr>
<td>SG-1537S</td>
<td>Early</td>
<td>Short-Med</td>
<td>Smooth</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>SG-1544</td>
<td>Med-Early</td>
<td>Med-Tall</td>
<td>Smooth</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>3</td>
<td>2</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>SG-1546S</td>
<td>Med</td>
<td>Med</td>
<td>Awned</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>4</td>
<td>3</td>
<td>3</td>
<td>3</td>
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<td>3</td>
</tr>
<tr>
<td>SG-1547S</td>
<td>Med</td>
<td>Med</td>
<td>Smooth</td>
<td>1</td>
<td>2</td>
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<td>4</td>
<td>3</td>
<td>3</td>
<td>3</td>
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</tr>
</tbody>
</table>

Scale: 1-5, 1 = Best