



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

Wheat Planting Guide

Seeding Rate Chart
Pounds of Seed Needed Per Acre

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

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.



2019

The Tradition Continues
with Our Vision of the Future

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:
 - o 2018 OSU wheat trials: 87.5 bu/ac average
- Yielding 1.7 bushels above state average
 - o 2017 OSU wheat trials: 101.4 bu/ac average
 - o 2016 OSU wheat trials: 110.4 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 hardiness & straw strength

SG-1546S

- High yielding wheat containing *Type II Head Scab resistance
 - o Significant reduction in Head Scab in years disease is present
 - o Scab is isolated to infected kernel, spread is greatly reduced
- OSU wheat trial results:
 - o 2018: #7 overall yield at 91.2 bu/ac average
- Yielding 5.4 bushels above state average
 - o 2017: Highest yielding single entry in entire OSU wheat trials (all counties) @ 122.3 bu/ac in Wayne County.
 - o 2017: 105.6 bu/ac average, in a non-scab year
 - o 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
 - o Lower spread of infection within heads under heavy pressure
- OSU Wheat trial results:
 - o 2018: 87.6 bu/ac average
- Yielding 1.6 bushels above state average
 - o 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

SG-1552

- Consistent yield in OSU trials for several years
- OSU wheat trial results:
 - o 2018: Top 25 entry at 88.2 bushel average
- Yielding 2.4 bushels above state average
 - o 2017: 106.0 bushel average
 - o 2016: 110.2 bushel average
 - o 2013: #1 in OSU state yield trial
- Excellent standability
- Excellent winter hardiness
- Very 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.

Wheat Characteristics

Variety	Maturity	Height	Head Type	Test Weight	Stand	Straw	Winter Hardiness	Head Scab Tolerance	Leaf Rust	Powdery Mildew	Septoria Leaf Blotch	Septoria Glume Blotch	Soil Borne Mosaic Virus	Barley Yellow Dwarf
SG-1537S	Early	Short-Med	Smooth	2	1	3	2	1	2	2	2	2	2	2
SG-1544*	Med-Early	Med-Tall	Smooth	2	1	1	1	3	3	2	3	3	3	2
SG-1546S*	Med	Med	Awned	1	1	2	1	1	4	3	3	2	3	3
SG-1547S**	Med	Med	Smooth	1	2	2	2	1	4	3	3	2	3	3
SG-1552**	Med-Late	Med-Tall	Smooth	2	2	1	2	2	3	3	3	2	3	3

Scale: 1-5, 1 = Best