



Husker Genetics FREEMAN brand (NE06545) Hard Red Winter Wheat

- Primary Advantage:** Husker Genetics FREEMAN brand (NE06545) is a hard winter wheat variety selected primarily for its agronomic performance in rainfed environments in Nebraska.
- Origin and Pedigree:** Husker Genetics FREEMAN brand (NE06545) was developed cooperatively by the Nebraska Agricultural Experiment Station and the USDA-ARS. It was selected from the cross KS92-946-B-15-1/Alliance where the pedigree of KS92-946-B-15-1 is ABI86*3414/Jagger/Karl 92.
- Maturity:** Husker Genetics FREEMAN brand (NE06545) is moderately early in maturity.
- Height/Standability:** Husker Genetics FREEMAN brand (NE06545) is a semi-dwarf variety that is approximately 34 inches in height. It has moderate straw strength and good winter hardiness.
- Disease/Insect Reaction:** Husker Genetics FREEMAN brand (NE06545) is resistant to Soilborne wheat mosaic virus and moderately resistant to moderately susceptible to stem rust, leaf rust, and stripe rust. It is moderately susceptible to Fusarium head blight and susceptible to Hessian fly, barley yellow dwarf virus, and wheat streak mosaic virus.
- Adaptation/Management:** Husker Genetics FREEMAN brand (NE06545) is adapted to rainfed wheat production systems in Nebraska and neighboring areas in adjacent states. It is not recommended for irrigated wheat production due to its average straw strength and does not have the yield potential of best available irrigated wheat cultivars.
- NCIA Summary:** Husker Genetics FREEMAN brand (NE06545) is awned and ivory glumed. Once headed the canopy is moderately closed and erect. The flag leaf is erect and twisted at the boot stage. The foliage is green with a light waxy bloom on the leaf sheath. The leaves are glabrous. The spike is tapering, narrow, mid-long, and middense. The glume is long and wide, and the glume shoulder is oblique to rounded. The beak is long in length with a acuminate tip. Kernels are red colored, hard textured, and mainly ovate in shape. The kernel has no collar, a large brush of long length, rounded cheeks, mid-size germ, and a wide and mid-dense crease.
- Variants:** Variant plants are taller in height (2-6 inches) or awnless and/or with red chaff. Up to 1% (10:1000) variant plants may be encountered in subsequent generations.

This information is provided as an educational service of the Nebraska Crop Improvement Association. Please Note: Plant appearance and performance will be influenced by soil, weather, pests, and other environmental conditions. This descriptive information is based on expected plant response to normal growing conditions and cultural practices within the area of adaptation.