

2014 SEED Portfolio

*Descriptions of varieties
available from the
Nebraska Foundation
Seed Division
for the purpose
of seed certification.*



**HUSKER
GENETICS®**

University of Nebraska-Lincoln

1071 County Road G, Room C * Ithaca, NE 68033-2234 * huskergenetics.unl.edu
PH: (402)624-8020 * FAX: (402)624-8010 * huskergenetics2@unl.edu

Photos by Jeff Wilkerson

The Nebraska Foundation Seed Division has available the following varieties for the purpose of seed certification.

Millet - Proso

Dawn - Dawn was developed at the Panhandle Center of the University of Nebraska. Dawn is a short millet with a tight panicle, about 4 to 5 days earlier to harvest than Panhandle. It ripens uniformly and is more resistant to shattering and lodging than Panhandle. Dawn has a large white seed, and the seed is similar in appearance to Panhandle. Dawn is adapted anywhere proso millet is grown. It may be direct-harvested rather than swathed because of its short stature and early maturity.

Earlybird - Earlybird is a moderately early variety heading about 2 days later than Dawn and 2 days earlier than Sunup. Plant height is about 4 inches shorter than Sunup with good straw strength. While test weight is slightly less, yield has been similar to Sunup. Earlybird has a white seed coat and large seed size. It was developed by Nebraska from the cross Minco/NE76010//Rise/NE79017.

Huntsman - Huntsman is a moderately late variety heading about 1 day later than Sunup. Yield performance, test weight, plant height, and straw strength have all been similar to Sunup. Huntsman has a white seed coat and large seed size similar to Dawn. It was developed by Nebraska from the cross NE79012//NE79017/3/Cope//Dawn/Common.

Sunrise - Sunrise is a moderately early variety heading about 1 day earlier than Sunup. Plant height is about 3 inches shorter than Sunup with comparable standability. Test weight is above average. Yield performance has been slightly superior to Sunup. Sunrise is white-seeded, and seed size is large. It was developed by Nebraska from the cross NE83014/NE83007 and has parentage from Minn. 402, Dawn, Minco, and Panhandle.

Millet - Foxtail

Golden German - Golden German millet is a warm season annual cereal species. Golden German millet is relatively later maturing, and therefore potentially higher yielding compared to earlier maturing millet species. Depending upon seeding date and growing conditions, Golden German millet will head about 85-95 days

after seeding. Golden German millet has medium stem thickness and numerous broad leaves up the stem. The heads are dense and bristly resembling the heads of the weed Green Foxtail, but much larger. The crop has good resistance to lodging and diseases. The seed is golden yellow in color. It is shallow rooted, but tolerates short periods of drought during the growing season.

White Wonder - White Wonder Foxtail Millet is a dual purpose millet that can be cut for hay or grain. White Wonder is late maturing, high yielding, white seeded variety that is similar to German millet. The stem is not as fine as Gold German Millet but it will get taller in height, approximately 36" - 50" given adequate moisture. Expect to cut hay in approximately 50-55 days after planting. Windrow when heads begin emerging from the boot.

Oats - Spring

Horsepower - Horsepower oat is a white-hulled, spring oat developed by the South Dakota Agricultural Experiment Station (SDAES) and released in 2011. The line was tested as SD081936 and was developed from the three parent population SD030888//SD030888//ND030349. Varieties in the pedigree include Settler and Troy. Horsepower has early-medium maturity, heading two days later than Shelby 427. Horsepower is 2 inches shorter than Colt. Horsepower has excellent yield potential and average test weight. The variety has excellent crown rust resistance. Horsepower is moderately resistant to smut and BYDV. Lodging resistance is better than Shelby 427 and Colt.

Jerry - Jerry is a mid-season variety similar to Ogle and Settler. It is medium in height with very good standability. Jerry is widely adapted and shows very good yield stability for sites favoring mid-season maturity. It may be grown for either forage or grain. Grain is white in color, large, and has good test weight patterns. Jerry is moderately resistant to crown rust and moderately susceptible to barley yellow dwarf virus and stem rust. It was developed by the North Dakota Agricultural Experiment Station from the cross Valley/3/RL3038/Kelsey//M22/Kelsey. U.S. Protected Variety (PVPA 1994). Certificate No. 9600001.

Triticale

Please contact Husker Genetics for plant descriptions and availability.

NT07403
NT06422
NE426GT
NE441T

NT05421
NE422T
NT01451

Winter Small Grains

Alliance - Alliance is a moderately early maturing, moderately short height variety best adapted to dry-land production. It has fair to good winterhardiness, short coleoptile, very good tillering ability, moderately strong straw, and good milling/baking qualities. It was developed by Nebraska and the USDA-ARS from the cross Arkan/Colt//Chisholm sib. U.S. Protected Variety (PVPA 1994). Certificate No. 9400264. Alliance can only be sold as a class of certified seed.

Anton - HWW*** - Please contact Husker Genetics for plant descriptions and availability.

Freeman - Freeman is a hard red winter wheat (*Triticum aestivum* L.) cultivar developed cooperatively by the Nebraska Agricultural Experiment Station and the USDA-ARS and released in 2013 by the developing institutions. It was released primarily for its superior adaptation to rainfed wheat production systems throughout Nebraska and in states north and west of Nebraska. Freeman will be marketed as Husker Genetics Brand Freeman Hard Red Winter Wheat in honor of Daniel Freeman, who is recognized as the first person to file for a homestead under the Homestead Act of 1862 which celebrated its 150th anniversary in 2012. Freeman is resistant to Soilborne wheat mosaic virus. It is moderately resistant to moderately susceptible to stem rust. It is moderately resistant to moderately susceptible to leaf rust. It is moderately resistant to susceptible to stripe rust. It is moderately susceptible to Fusarium head blight. Freeman is moderately susceptible to susceptible to Hessian fly. It is susceptible to Barley yellow dwarf virus and Wheat Streak mosaic virus. In positioning Freeman, based on performance data to date, it should be well adapted to most rainfed wheat production systems in southeastern, south-central, west-central, and western Nebraska and in adjacent areas of the Great Plains. Freeman is not recommended for irrigated wheat production due to its average straw strength. Where it is adapted, Freeman should be a replacement for Camelot, Millennium, and Wesley (for rainfed production)

Goodstreak - Goodstreak is medium in maturity. It has a long coleoptile. The mature plant height of Goodstreak is 38 inches. It has moderate straw strength. The winter hardiness of Goodstreak is good to very good. Goodstreak is moderately resistant to stem and stripe rust and Hessian fly. It is susceptible to leaf rust and wheat streak mosaic virus. Goodstreak was evaluated as NE97465 in Nebraska yield nurseries. It was selected from the cross SD3055/KS88H164//NE89646. Goodstreak was developed cooperatively by the Nebraska Agricultural Experiment Station and the USDA-ARS and released by the developing institutions and the Wyoming Agricultural Experiment Station. Non-complementary varieties include Pronghorn. U.S. Protected Variety (PVPA 1994). Certificate No. 200300281. Goodstreak can only be sold as a class of certified seed.

Husker Genetics Overland Brand - Husker Genetics OVERLAND brand (NE01643)- Husker Genetics Overland Brand is an awned, white-glumed, semi-dwarf wheat cultivar. The mature plant height of Husker Genetics Brand Overland is approximately 33 inches. Husker Genetics Brand Overland has good straw strength. The winterhardiness is good to very good. Husker Genetics Brand Overland is moderately susceptible to stem rust but resistant to the most prevalent race of stem rust. It is moderately resistant to leaf rust, stripe rust, and Hessian fly. Husker Genetics Brand Overland also is more tolerant to Fusarium head blight than many widely grown lines. It is susceptible to wheat soilborne mosaic virus, barley yellow dwarf virus, and wheat streak mosaic virus. Husker Genetics Brand Overland is a hard red winter wheat cultivar developed cooperatively by the Nebraska Agricultural Experiment Station and the USDA-ARS. Non-complementary varieties include Arapahoe, Millennium, Niobrara, and Wahoo. U.S. Protected Variety (PVPA 1994). Certificate No. 200700333. Husker Genetics Brand Overland can only be sold as a class of certified seed.

Mace - Mace was released primarily for its resistance to wheat streak mosaic virus. It is an awned, white chaffed, moderately late maturing variety with excellent straw strength and is one inch taller than Wesley. Mace was cooperatively developed and released by the USDA-ARS and Nebraska Agricultural Experiment Station. Mace was derived from the cross Yuma//PI 372129/3//CO850034/4/4*Yuma/5/KS91H184/Arlin S/KS91HW29//NE89526). Mace was tested under the experimental designation N02Y5117. Non-complementary varieties include Arlin and Yuma. U.S. Protected Variety (PVPA

1994). Certificate No. 200800300.

Husker Genetics McGill Brand - Husker Genetics McGill brand (NE01481)- Husker Genetics McGill brand NE01481 is a hard red winter wheat developed by the University of Nebraska. NE01481 (McGill) was selected from the cross NE92458/Ike. The pedigree of NE92458 is OK83201/REDLAND; and the pedigree of OK83201, an experimental line developed by Oklahoma State University, is Vona//Chisholm/Plainsman V. NE01481 is medium early in maturity with good straw strength and good to fair winter hardiness. NE01481 (McGill) is resistant to soilborne wheat mosaic virus and moderately resistant to moderate susceptible to stem rust, leaf rust, and stripe rust. It is susceptible to wheat streak mosaic virus and Hessian fly. NE01448 (McGill) doesn't currently have any non-complimentary varieties. U.S. Protected Variety (PVPA 1994). Certificate No. 201100399. McGill can only be sold as a class of certified seed.

Millennium - Millennium is a medium maturing, medium height variety. It has fair to good winterhardiness, medium length coleoptile, very good tillering ability, and moderately strong straw (equal to 2137 and Windstar). It is resistant to Hessian fly; moderately resistant to stem rust; moderately susceptible to leaf rust; susceptible to soilborne mosaic and barley yellow dwarf viruses. It was developed by Nebraska and the USDA-ARS from the cross Arapahoe/Abilene//NE86488. Non-complementary varieties are Abilene, Jagalene, Ogallala, Rio Blanco, and Thunderbolt. U.S. Protected Variety (PVPA 1994). Certificate No. 200100236. Millennium can only be sold as a class of certified seed.

Pronghorn - Pronghorn is a tall variety of moderately early maturity with good tillering ability and moderately strong straw. It has superior stem rust resistance. Pronghorn has a long coleoptile, very good early spring regrowth, and good winterhardiness. The grain has good test weight patterns and very acceptable milling/baking qualities. Pronghorn was developed by Nebraska and the USDA-ARS from the cross Centura/Dawn//Colt sib. Non-complementary varieties include Antelope, Goodstreak, Ike, and Loreda.

Husker Genetics Robidoux Brand - Husker Genetics Robidoux brand NI04421 is a hard red winter wheat that was co-developed by the University of Nebraska and the USDA-ARS. NI04421 (Robidoux) was selected from the cross NE96644\Wahoo (sib) where the pedigree of NE96644 is Odesskaya P/ Cody//Pavon 76/*3 Scoul66 using a modified bulk breeding method. Robidoux is moderately late in maturity and is best adapted to

western rainfed areas where drought is common and irrigated production sites. It is moderately resistant to stripe rust and moderately resistant to moderately susceptible to stem rust. It is moderately susceptible to leaf rust. It is susceptible to Hessian fly and wheat streak mosaic virus and is susceptible to common bunt. Non-complementary varieties include Millennium and Wahoo. U.S. Protected Variety (PVPA 1994). Certificate No. 201100398. Robidoux can only be sold as a class of certified seed.

Wesley - Wesley is a moderately early maturing, moderately short height variety with excellent straw strength. Wesley is bronze chaffed. Winterhardiness is good. Wesley was derived from the cross Sumner sib (Plainsman V/Odesskaya 51)//Colt/Cody. It was developed by the USDA-ARS in cooperation with Nebraska and co-released by those institutions with South Dakota. Non-complementary varieties include Karl and Karl 92.

Settler CL - Settler CL is a hard red winter wheat cultivar developed cooperatively by the Nebraska Agricultural Experiment Station and the USDA-ARS and co-released with South Dakota State University and the University of Wyoming. Settler CL is a wheat that may be used as a component of the BASF CLEARFIELD Production System with Beyond® herbicide for the selective control of jointed goatgrass, downy brome, and feral rye. Settler CL was released primarily for its superior adaptation to rainfed wheat production systems in Nebraska, South Dakota, and eastern Wyoming. It has also performed well under irrigation in western Nebraska and eastern Wyoming.

Infinity CL - Infinity CL is a hard red winter wheat (*Triticum aestivum* L.) cultivar developed cooperatively by the Nebraska Agricultural Experiment Station and the USDA-ARS and released in 2004 by the developing institutions. Infinity CL contains a patented gene owned by BASF. BASF retains ownership of the gene. Infinity CL was released primarily for its superior adaptation to rainfed wheat production systems in Nebraska and counties in adjacent states. The name Infinity CL was chosen because it is a Clearfield™ wheat that will be used with Beyond® herbicide.