



## Idaho Seed Certification Program

The Idaho Seed Certification Program provides basic seed stock of new and existing varieties developed through public and private breeding programs for distribution to growers through a limited-generation system of Certified Seed.

The purpose of the certification program is to ensure that seed sources meet standards for genetic purity, germination, other crop and weed contamination, and are free of certain diseases. Seed lots having certified tags have been field inspected and laboratory tested so that growers can be confident that the crop planted has the potential to meet quality and production expectations.

The process of certifying seed requires the combined effort and cooperation of the University of Idaho, the Idaho Crop Improvement Association, and the Idaho State Department of Agriculture. Each agency and organization serves a specific purpose in ensuring that seed stocks meet standards at every level and generation leading to Certified Seed.

It is important to know the levels of limited-generation seed production in order to understand the process. These are summarized below:

### **Breeder Seed**

Breeder Seed is the original seed of a variety that the plant breeder or authorized expert verified as the genotype selection. This seed primarily is used to produce Foundation Seed. Breeder Seed of public varieties is maintained

and controlled by the Idaho Agricultural Experiment Station and the Foundation Seed Program.

### **Foundation Seed**

Foundation Seed (white tag) is progeny of Breeder Seed. The production of Foundation Seed of public varieties in Idaho is the responsibility of the Idaho Agricultural Experiment Station and its designees. Foundation Seed of public varieties is allocated by the Idaho Crop Improvement Association and distributed through the University of Idaho Agricultural Research and Extension Centers.

### **Registered Seed**

Registered Seed (purple tag) is the progeny of Breeder or Foundation Seed. The Registered Seed class may be eliminated for some crops in order to maintain quality standards. Registered Seed is available through approved dealers and growers throughout the state.

### **Certified Seed**

Certified Seed (blue tag) is the progeny of Breeder, Foundation, or Registered Seed classes depending on crop species. Certified Seed is available through approved dealers and growers throughout the state.

## Idaho Agricultural Experiment Station

Idaho Agricultural Experiment Station (IAES) of the University of Idaho has been designated as the organization responsible for maintaining and producing a source of quality seed for Idaho growers. Thus, the Foundation Seed Program within IAES is the basic component of the seed program in Idaho.

The program includes the development and maintenance of Breeder Seed of Idaho released varieties and production of Foundation Seed for varieties developed in Idaho or other

states. The goal of the Foundation Seed Program is to make high quality basic seed stocks available to Idaho crop producers through a limited-generation production system.

## Idaho Crop Improvement Association

The Idaho Crop Improvement Association (ICIA) is operated through the Executive Secretary-Manager and a seven-member Board of Directors elected from grower members. The Association, through a Memorandum of Understanding with the University of Idaho Board of Regents, is authorized to carry out the responsibility of enforcing the Idaho Certification Rules and Regulations that provide certification standards.

The ICIA also issues appropriate tags for all classes of limited-generation seed. Idaho seed certification standards meet or exceed national standards set by the Association of Official Seed Certifying Agencies (AOSCA).

Seed certification is a voluntary program administered and conducted by the ICIA. Growers and seed processors work within the seed certification program to improve the quality of seed produced and marketed in Idaho.

## Plant Materials Center (PMC)

PMCs, which are a part of the Natural Resources Conversation Service, test and develop new plants for conservation uses. Idaho is served by two of the 27 PMCs nationwide. Aberdeen supports southern Idaho and the intermountain region, and Pullman, Washington, supports northern Idaho and the Columbia River basin of Oregon and Washington. Production and distribution of Foundation Seed of plant materials in Idaho is a combined effort of the Aberdeen PMC and the UI Foundation Seed Program.

## Idaho State Seed Laboratory

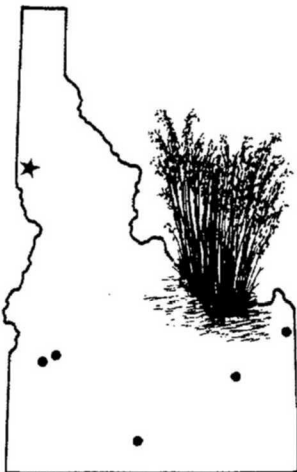
The Idaho State Seed Laboratory operates and is administered within the Idaho State Department of Agriculture. Seed samples are submitted to the lab as a part of the certification process to determine the quality by testing for germination, variety purity, weed seed, presence of certain seedborne diseases, etc. All seed samples must meet the standards of the Idaho Certification Rules and Regulations and Idaho State Seed Law.

## Foundation Seed Stocks Committee

The Foundation Seed Stocks Committee (FSSC) consists of representatives from the University of Idaho, ICIA, and Idaho State Seed Lab. The function of the Committee is to advise the Director of the IAES in matters related to new variety release, the varieties to be included in Idaho certification programs, and changes in the Idaho Certification Rules and Regulations.

Information contained in this guide was provided by the University of Idaho and the Plant Materials Center. Actual variety performance may vary by location, year, and due to management practices.

## 2002 Idaho Certified Seed Selection Guide for Some Varieties of Grasses, Forbs, and Shrubs



# Guide for some varieties of grasses, forbs, and shrubs



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Variety	Common name (species)	Originator (1)	Release	Native/Intro	Precip.	Optimal soil	Principle use	Classes permitted	Variety
<b>Grasses</b>									
Sherman	big bluegrass	NRCS, UI, WSU, OSU	1945	N	10"+	silt loam-clay loam	range/pasture/wildlife	B, F, R, C	Sherman
High Plains germpl. (4)	Sandberg bluegrass	NRCS, MSU, UW	2000	N	8"+	silt loam-clay loam	rangeland/erosion control	G1, G2, G3	High Plains (4)
Fegar	meadow brome	NRCS, UI, WSU	1966	I	14"+	fine sandy-silt loam-clay loam	pasture/wildlife	B, F, R, C	Fegar
Bromar	mountain brome	NRCS, UI, WSU, OSU	1946	N	16"+	silt loam-clay loam	range/reclamation	B, F, C	Bromar
Garnet (5)	mountain brome	NRCS, MSU, CSU, UW	2000	N	16"+	silt loam-clay loam	range/reclamation	G2 only	Garnet (5)
Durar	nard fescue	NRCS, UI, WSU	1949	I	14"+	silt loam-clay loam	erosion control/weed suppress	B, F, C	Durar
Joseph (2)	Idaho fescue	UI	1993	N	16"+	silt loam-clay loam	wildlife/range	B, F, C	Joseph (2)
Nezpur (2)	Idaho fescue	UI	1993	N	16"+	silt loam-clay loam	wildlife/range	B, F, C	Nezpur (2)
Covar	sheep fescue	NRCS, UI, WSU, OSU	1977	I	10"+	silt loam-clay loam	erosion control/weed suppress	B, F, C	Covar
Garrison	creeping foxtail	NRCS, UW	1972	I	18"+	fine sandy-silt loam-clay loam	pasture/erosion control	B, F, C	Garrison
Latar	orchardgrass	NRCS, UI, WSU	1957	I	18"+	silt loam-clay loam	pasture	B, F, R, C	Latar
Paute	orchardgrass	NRCS, UI, WSU, USFS	1983	I	16"+	silt loam-clay loam	pasture	B, F, R, C	Paute
Nezpur	Indian ricegrass	NRCS, UI	1978	N	10"+	sand-fine sandy-silt loam	range/wildlife	B, F, R, C	Nezpur
Flmrock	Indian ricegrass	NRCS/ARS, MSU, UW	1986	N	10"+	sand-fine sandy-silt loam	range/wildlife	B, F, R, C	Flmrock
Sand Hollow germpl. (4)	bottlebrush squirreltail	USDA/ARS, UI, NRCS	1996	N	8"+	fine sand loam-silty clay loam	rangeland/erosion control	G3, G4, G5 (6)	Sand Hollow (4)
Whitmar	beardless wheatgrass	NRCS, UI, WSU, OSU	1946	N	12"+	silt loam-clay loam	range/reclamation	B, F, R, C	Whitmar
Goldar	bluebunch wheatgrass	NRCS, UI, WSU, ARS	1989	N	12"+	silt loam-clay loam	range/erosion control	B, F, R, C	Goldar
P7 germplasm (4)	bluebunch wheatgrass	USDA/ARS	~2000	N	12"+	silt loam-clay loam	range/erosion control	G3, G4	P7 germpl. (4)
Douglas (3)	crested wheatgrass AGCR	USDA/ARS	1995	I	14"+	silt loam-clay loam	pasture/erosion control	B, F, C	Douglas (3)
Ephram	crested wheatgrass AGCR	USFS, UTWR, NRCS	1983	I	10"+	silt loam-clay loam	pasture/erosion control	B, F, R, C	Ephram
CD-II (2)	crested wheatgrass X	USDA/ARS, USU	1996	I	9"+	silt loam-clay loam	pasture/erosion control	B, F, C	CD-II (2)
Hycrest	crested wheatgrass X	USDA/ARS, USU, NRCS, CSU	1984	I	9"+	silt loam-clay loam	pasture/erosion control	B, F, C	Hycrest
RoadCrest (2)	crested wheatgrass	USDA/ARS, USU	1998	I	10"+	silt loam-clay loam	erosion control, roadside	B, F, C	RoadCrest (2)
Rush (3)	intermediate wheatgrass	NRCS, UI	1994	I	12"+	silt loam-clay loam	pasture/erosion control	B, F, R, C	Rush (3)
Newny (3)	R/S hybrid wheatgrass	USDA/ARS, NRCS	1991	I	14"+	silt loam-clay loam	saline pasture	B, R, C	Newny (3)
Luna	pubescent wheatgrass	NRCS, USU	1963	I	11"+	silt loam-clay loam	pasture/erosion control	B, F, R, C	Luna
P-27	siberian wheatgrass	NRCS, UI, WSU	1953	I	8"+	fine sandy-silt loam-clay loam	erosion control/range	B, F, R, C	P-27
Vavilov (3)	siberian wheatgrass	USDA/ARS, USU, NRCS	1994	I	8"+	loam-sandy loam	erosion control/range	B, F, C	Vavilov
Pryor	sander wheatgrass	NRCS, MSU, UW	1988	N	10"+	silt loam-clay loam	range/reclamation	B, F, R, C	Pryor
Secar	Snake River wheatgrass	NRCS, UI, WSU, OSU	1980	N	8"+	silt loam-clay loam	range	B, F, R, C	Secar
Sodar	streambank wheatgrass	NRCS, UI, WSU	1954	N	10"+	silt loam-clay loam	erosion control/range	B, F, R, C	Sodar
Aikar	tail wheatgrass	NRCS, UI, WSU	1951	I	14"+	silt loam-clay loam	pasture/erosion control	B, F, R, C	Aikar
Jose	tail wheatgrass	NMSU, NRCS	1965	I	14"+	silt loam-clay loam	pasture/erosion control	B, F, R, C	Jose
Bannock (3)	thickspike wheatgrass	NRCS, UI	1995	N	8"+	fine sandy-silt loam-clay loam	erosion control/range	B, F, R, C	Bannock (3)
Critana	thickspike wheatgrass	NRCS, MSU	1971	N	8"+	fine sandy-silt loam-clay loam	erosion control/range	B, F, C	Critana
Schwendimar	thickspike wheatgrass	NRCS, UI, WSU, OSU	1994	N	9"+	fine sandy-silt loam-clay loam	erosion control/range	B, F, R, C	Schwendimar
Arriba	western wheatgrass	NRCS, CSU, NMSU	1973	N	14"+	fine sandy-silt loam	erosion control/reclamation	B, F, R, C	Arriba
Rosana	western wheatgrass	NRCS, MSU	1972	N	14"+	fine sandy-silt loam	erosion control/reclamation	B, F, C	Rosana
Magnar	basin wildrye	NRCS, UI	1979	N	12"	silt loam-clay loam	wildlife/erosion control	B, F, R, C	Magnar
Traihhead	basin wildrye	NRCS, MSU, UW	1991	N	12"+	silt loam-clay loam	wildlife/erosion control	B, F, R, C	Traihhead
Shoshone	beardless wildrye	NRCS, MSU, UI, UW	1980	N	14"+	silt loam-clay loam	pasture/reclamation	B, F, R, C	Shoshone
Bozoisky-select	Russian wildrye	USDA/ARS, USU, NRCS	1984	I	12"+	silt loam-clay loam	pasture/rangeland	B, F, R, C	Bozoisky-select
<b>Forbs and Shrubs</b>									
Delar	small burnet	NRCS, UI	1981	I	14"+	clay loam-silt loam	wildlife/range	B, F, R, C	Delar
Appar	blue flex	NRCS, UI	1980	I	10"+	silt-silt loam	wildlife/beautification	B, F, R, C	Appar
Cleanwater selec. (4)	alpine penstemon	NRCS, UI	1994	N	20"+	silt loam-clay loam	range/beautification	G2, G3 (7)	Cleanwater selec. (4)
Richfield selec. (4)	firecracker penstemon	NRCS, UI	1994	N	10"+	silt loam-clay loam	range/beautification	G2, G3 (7)	Richfield selec. (4)
Snake River Plains germpl. (4)	fourwing saltbush	NRCS, UI	2001	N	8"+	loam-sandy	range/wildlife	G2, G3 (7)	Snake River Plains germpl. (4)
N. Cold Desert germpl. (4)	winterfat	NRCS, UI	2001	N	8"+	loam-silt loam	range/wildlife	G2, G3 (7)	N. Cold Desert germpl. (4)

(1) NRCS: Natural Resource Conservation Service/Plant Materials Center; UI: University of Idaho; WSU: Washington State University; USU: Utah State University; USFS: United States Forest Service; OSU: Oregon State University; NMSU: New Mexico State University; USDA/ARS: United States Department of Agriculture-Agricultural Research Service, UW: University of Wyoming; UTWR: Utah Dept. of Wildlife Resources.

(2) Plant variety protected—proprietary-Title V. (3) Plant variety protected—public-Title V. (4) Selected class germplasm. (5) Tested class germplasm. (6) Stand life = 5 years. (7) No length of stand.