

OTHER UCIA SEED

PROGRAMS

Pre Variety Germplasm

The seed certification program certifies many crops and there are always new varieties being developed. Seed certification has a process in place such that if there is seed of a certain species is needed, for which there is no variety developed of that species, the seed can be certified as a pre-variety germplasm. There are three categories of seed in this program. Source Identified, Selected, and Tested. The generations from the original source are known and listed on the tag

SOURCE IDENTIFIED SEED



Species Name: Poa secunda
Common Name: Sandberg Bluegrass
Germplasm ID, Gen.: Mountain Home Site
G1 State, County, Elev.: WA, Franklin, 800 ft
G2 State, County, Elev.: ID, Owyhee, 3200 ft
G3 Indigenous? Yes Cert. # IJA WA
G4 Natural? Yes Lot # MHSB-4855

The seed in this container, with label properly affixed thereto, was produced in compliance with the Seed Certification Requirements and Standards established by the Utah Crop Improvement Association for the SOURCE IDENTIFIED CATEGORY of certified seed. No warranty is expressed or implied as to the fitness for particular purpose or performance of the seed. This tag must be accompanied by a seed analysis label to comply with state and federal seed laws.

•UTAH CROP IMPROVEMENT ASSOCIATION

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MEMBER OF ASSOCIATION OF OFFICIAL SEED CERTIFYING AGENCIES

CERTIFYING AGENCIES

Each state in the United States has a state certifying agency. These certifying agencies cooperate and coordinate with each other to maintain records that verify the genetic purity and seed quality in each bag of certified seed. Certifying agencies are often called Crop Improvement Associations, Seed Certification Services, or Seed Grower Associations. Each state certifying agency belongs to a national organization called the Association of Official Seed Certifying Agencies (AOSCA). AOSCA also functions internationally.



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SUPERIOR SEED AND SUPERIOR QUALITY

CERTIFIED SEED



KIND: BARLEY
VARIETY: GOLDENEYE
CERT #: B-33 LOT #: GB-4855
WARNING UAES PVP VARIETY

UTAH CERTIFIED SEED

The seed in this container, with label properly affixed thereto, was produced in accordance (based on and limited to record of seed source and the results of representative field inspections and seed sample analysis) with the Seed Certification Requirements and Standards established by the Utah Crop Improvement Association for the CERTIFIED CLASS of certified seed. Beyond this certification representation, the Association makes no warranty, expressed or implied, as to merchantability or fitness for purpose or performance of the seed. This tag must be accompanied by a seed analysis label to comply with state and federal seed laws.

UTAH CROP IMPROVEMENT ASSOCIATION, Utah Agriculture Experiment Station, Logan, Utah 84322-4855

MEMBER OF ASSOCIATION OF OFFICIAL SEED CERTIFYING AGENCIES

Utah Crop Improvement Association (UCIA)

- Third-party official seed certifying agency for Utah since 1937
- Non-profit corporation
- Member, Association of Official Seed Certifying Agencies (AOSCA)
- **VOLUNTARY** participation by seed industry



CERTIFIED SEED = SUPERIOR SEED

Quality Seed

It is well known that seed quality is a very important factor in growing successful and productive crops. So, what does high quality seed consist of?

Mechanical Purity

Mechanically pure seed is seed that has been conditioned by a seed company to remove weed seed and other undesirable material such as plant parts, dirt, rocks, and sticks. The resulting seed is then tested by a seed analysis laboratory to determine the pure seed, other crops, weed seed, and germination. An analysis test is required by state and federal seed laws and must be displayed as percentages on a seed analysis tag or bag. Certified Seed must meet mechanical purity standards that ensure that the seed company and seed grower have produced a superior product.



Genetic Purity

Genetically pure seed has all of the yield potential, disease resistance, and other desirable characteristics of a variety as it was developed by the plant breeder/developer. Variety identity and genetic purity are **NOT** guaranteed by a seed analysis tag, **BUT** are verified by a certified seed tag. Tracking genetic identity and purity is the unique function of a seed certification agency.

CERTIFIED SEED

The best way to ensure that your seed, crop, and variety are genetically pure is to buy certified seed. Certified seed is also free from weeds and other crops. Seed certification is a third party process, meaning that it serves as a intermediary between the seed producer and consumer.

Seed certification agency duties:

- Inspect fields to see that field and seed genetic standards are observed.
- Track the genetic purity and seed quality from the plant breeder/developer to the seed the consumer buys.
- Identify certified seed with a tag stating the Kind and Variety.

This means that a seed buyer gets the variety as it was developed and not a diluted or contaminated substitute that will not yield as well as expected and could also have low germination and excessive weed content.



New Plant Releases

The plant breeder/developer provides small amounts of “breeder” seed to seed growers (usually under contract) and then additional generations of seed are produced. These are: Foundation Class, Registered Class (optional), and Certified Class. The generational sequence is breeder seed → foundation class seed → registered class seed → certified class seed.

Certified class seed is intended for commercial crops or end use purposes.

