

**Minutes of the 2006 Meeting**  
Grass and Legume Advisory Committee  
Certification, Foundation Seed and Plant Materials Board

Tuesday, December 12, 2006      LaSells Stewart Center, Oregon State University      Corvallis, Oregon

Members present: Bill Boyer, Dan Hemshorn, Doug Cattani, Rodney Hightower, Steve Rusconi, David Lundell, Collin Crocker, Ken Strahan, Dan Nelson, Colin Scott, Ron Pence, Mark Mellbye, Tom Silberstein, Reed Barker, Bill Young, Dan Curry, Ron Cook, Adriel Garay, Sandy Smith

Guests present: Leon Strait (Pennington Seed), Virginia Lehman (Blue Moon Farm), Leah Brillman (Seed Research of Oregon), Ed Rose (Roselawn Seed), Heather Nott (OSU Seed Lab), Sherry Hanning (OSU Seed Lab), Randy Knight (OSCS), Terry Burr (OSCS), Dennis Lundeen (OSCS), Iraj Motazedian (OSCS), Barry Schrupf (OSCS), Julie Hendrix (OSCS)

Call to Order and Introductions: Chairman Boyer called the meeting to order 1:06 PM. Those in attendance introduced themselves and their respective affiliations.

Item 1: Approval of the Minutes from the 2005 Annual Meeting. **Motion passed** to accept the 2005 Minutes as published (Hightower / Lundell).

Item 2: Establish certification standards for Ball clover (*Trifolium nigrescens*)

Iraj Motazedian reviewed development of the proposed standards for Ball clover based on those currently applied to Arrowleaf, Crimson and White clovers, and in consultation with an Oregon seed company and plant breeder involved with its production. Ball clover is not currently certified by another AOSCA agency. **Motion passed**<sup>1</sup> to accept the proposed certification standards for Ball clover (Hemshorn / Hightower).

Item 3: Establish certification standards for Meadow fescue (*Festuca pratensis*).

Terry Burr reviewed development of the proposed standards for Meadow fescue based on general guidelines from AOSCA, and consultation with an Oregon seed company and plant breeder involved with its production. The Committee's discussion suggested amendments to the proposal for concurrence with related standards. **Motion passed** to accept the proposed certification standards for Meadow fescue (Mellbye / Scott).

Item 4: Establish certification standards for Bermudagrass (*Cynodon dactylon* var. *dactylon*)

Dennis Lundeen reviewed development of the proposed standards for Bermudagrass based on ones utilized by other AOSCA agencies (California and Arizona) and consultation with a seed company and plant breeder involved with its production in Oregon. The Committee's discussion suggested amendments to the proposal recommended to the Board. **Motion passed** to accept the proposed certification standards for Bermudagrass (Hemshorn / Cattani).

Item 5: Establish certification standards for Foundation and Registered classes of seeded Seashore paspalum (*Paspalum vaginatum* Sw.).

Dennis Lundeen reviewed the proposed amendments to the Seashore paspalum standards to incorporate Foundation and Registered seed production. The proposal was developed in consultation with a seed company and plant breeder involved with its production in Oregon. The Committee's discussion suggested amendments for the proposal recommended to the Board. **Motion passed** to accept the amendments to the standards for Seashore paspalum (Hemshorn / Lundell).

Item 6: Amend the allowances for Group A weed seeds in the seed standards to prevent automatic disqualification from a single seed during testing (separate crop standards).

When reviewing a proposal last year involving the occurrence of Group A weeds in White clover and possible automatic disqualification from conversion of the sample weights, OSCS requested a summary from Sherry Hanning, Purity Unit Supervisor of the OSU Seed Lab, of other instances where this situation

---

<sup>1</sup> The proposed additions and revisions to the crop certification standards are highlighted on the Motions on page 6 and subsequent enclosures.

**Minutes of the 2006 Meeting**  
Grass and Legume Advisory Committee  
Certification, Foundation Seed and Plant Materials Board

Tuesday, December 12, 2006    LaSells Stewart Center, Oregon State University    Corvallis, Oregon

may occur. It was determined that seed lots of Rough bluegrass, Blue fescue, Hard fescue and Sheep fescue also may be adversely affected when a single seed of a Group A weed is converted in the testing calculation, resulting in automatic disqualification. Because this was not intended when the certified seed standards were adopted for these crops, the Committee suggested review of the applicable standards and amendments to prevent disqualification. In the Committee's discussion of this topic it was determined that standards may need to be published on a crop-by-crop basis, rather than by aggregates such as "Bluegrass" and "Fine Fescue", to more effectively address specific issues related to a crop. A **motion passed** for OSCS to develop and publish crop-specific certification standards involving Bluegrasses and fine fescues as amendments arise (Barker / Hemshorn). Amendments to specific standards affected by automatic disqualification involving the Group A weeds will be developed and proposed at the next Committee meeting.

Item 7: Amend footnote #1 of the Festulolium standards regarding isolation.

Ron Cook reviewed a proposed amendment to the Festulolium standards regarding isolation to address differing ploidy levels observed in Festulolium varieties. When the standards were originally developed the isolation requirements were based on the presumption that all Festulolium varieties were tetraploid. Recent submissions for certification were determined to be diploids which necessitated this revision to the standards. **Motion passed** to accept the isolation amendment to the Festulolium standards (Barker / Hightower).

Item 8: Amend the minimum germination requirement for Kentucky bluegrass from 75% to 80%

Dan Nelson reviewed the current practice of the industry to market common Kentucky bluegrass as "98/85" (a minimum of 98% pure seed with 85% viability) or as "85/80", and suggested that certified seed should at least exceed these market classes. He recommended revisions to the minimum purity and viability requirements for certified seed accordingly. Discussion centered on whether other segments of the Oregon seed industry were surveyed, if the proposed standards were reasonably attainable by growers, and if there was a consensus from the industry for these revisions. Because of the likely effect on current production contracts for certain varieties, a question arose if they may be exempted from the proposals and evaluated at the current minimums. A motion passed, five to four on a show of hands, to increase the minimum purity standard from 97% to 98%, and to raise the minimum viability requirement from 75% to 80% (Nelson / Barker). Before the conclusion of the meeting, a motion passed (Nelson / Hightower) to reconsider the earlier motion and to remove the proposed increase in the minimum purity requirement. A **motion passed** to amend the minimum viability requirement for Kentucky bluegrass from 75% to 80% (Nelson / Barker).

Item 9: Amend the restriction preventing the use of plant growth regulators for certified seed stock

Consideration of this topic was initiated by an inquiry from Ed Rose of Roselawn Seed who mentioned that plant growth regulators helped to reduce lodging in some varieties and increased their yield potential. Ron Cook reviewed the findings of the GLAC subcommittee meeting held on 11/10/2000 and the current restriction adopted by the Certification Board in 2002 and published in the Handbook. (The OSTA also recommended adoption of a restriction at their 6/13/01 annual meeting.) Discussion at the Committee meeting affirmed that an exception may be allowable for established Kentucky bluegrass production which may comply with the original intent of the restriction of not masking the presence of off-types in seed stock production. A **motion passed** to amend the restriction in the Handbook allowing the use of plant growth regulators for Kentucky bluegrass seed stock production with the permission of the variety owner and approval from OSCS<sup>2</sup> (Mellbye / Scott).

Item 10: Consider allowing off-quality, certification-eligible seed for use in certified mixtures.

This item was carried forward from the 2005 Committee meeting concerning off-quality seed and whether

---

<sup>2</sup> Additional stipulations include allowance only after the first production year following a review of the field's previous inspections, and leaving an untreated strip within the field for concurrent evaluation. The exemption will be allowed on a field on a year-to-year basis only as requested.

**Minutes of the 2006 Meeting**  
Grass and Legume Advisory Committee  
Certification, Foundation Seed and Plant Materials Board

Tuesday, December 12, 2006      LaSells Stewart Center, Oregon State University      Corvallis, Oregon

it could be included in a certified mixture without recleaning or blending to meet seed standards. Current provisions for certified mixtures require each component lot to qualify for issuance of a certification tag (which requires meeting both the certification field and seed standards) and do not allow the use of seed lots that fail to meet these certification requirements. In the Committee's discussion it was felt that current provisions for handling certified blends address this issue and that an allowance for including off-quality seed in mixtures would degrade the representation of a certified mixture in the marketplace. No action was proposed allowing a change from current procedures related to certified blends and mixtures.

Item 11: Elect 2007 Vice-chairman from OSGL representatives

Rodney Hightower, nominated by Dan Nelson with a second from Collin Crocker, was elected 2007 Committee vice-chair (pending reappointment from OSGL).

Item 12: Select date and time for the next annual meeting.

It was agreed by consensus that the time and place of the next annual meeting will be determined by the Committee Chair and Vice-chair. If possible the next annual meeting will be scheduled in conjunction with the Oregon Seed Growers League annual meeting.

Item 13: Reports were provided from the following organization representatives:

- OSU College of Agriculture / Crop and Soil Science Department Report  
Dr. Russ Karow, Department Head, included a report on departmental activities with the meeting materials to the certification advisory committee.
- Oregon Seed Services Report  
Dan Curry, Director, provided an update on Seed Service activities during his initial few months in this post and awarded Certificates of Appreciation to industry representatives for their service to the Committee. He also mentioned an upcoming ISO auditor training workshop at OSU for seed industry personnel, and changes planned for the OSU Foundation Seed program.
- OSU Seed Laboratory Report  
Adriel Garay provided a report on Seed Lab activities for this testing season and the grass seed conditioners workshops being offered in January. Lab personnel also provided a demonstration on the development of a standard blowing procedure for Tall fescue that may be submitted to AOSA for adoption.
- Oregon Seed Certification Service Report  
Ron Cook noted the diversity of the group attending the Committee meeting as representing many segments of the Oregon seed industry, and appreciation for their participation in the discussions. He also noted the upcoming meeting of the National Grass Variety Review Board in Corvallis.
- Oregon Department of Agriculture Report  
Ron Pence provided an update on departmental activities including the weed-free forage straw certification program, proposals to regulate vegetable seed and to regulate bird seed for noxious weed seed content, and transfer of the plant health program to the Commodity Inspection Division.
- USDA National Forage Seed Production Research Center Report  
Reed Barker provided an update on his research activities related to the grass seed industry.

The meeting adjourned at 4:07 PM.

Respectfully submitted,



***Minutes of the 2006 Meeting***  
Grass and Legume Advisory Committee  
Certification, Foundation Seed and Plant Materials Board

Tuesday, December 12, 2006    LaSells Stewart Center, Oregon State University    Corvallis, Oregon

Sandy Smith, Secretary  
February 7, 2007

Enclosures

List of Committee members, page 5  
Motions for consideration by the Certification Board, page 6  
Proposed certification standards and revisions, pages 7-13

cc:    Thayne Dutson, Dean, College of Agricultural Sciences, OSU  
      Bill Boggess, Associate Dean, College of Agricultural Sciences, OSU  
      Brian Parker, President, Oregon Seed Growers League  
      Gordon Zielinski, President, Oregon Seed Trade Association  
      Guests in attendance

**Minutes of the 2006 Meeting**  
 Grass and Legume Advisory Committee  
 Certification, Foundation Seed and Plant Materials Board

Tuesday, December 12, 2006      LaSells Stewart Center, Oregon State University      Corvallis, Oregon

**Committee Members**

Name	Affiliation	Term
Bill Boyer <i>Chair</i>	Oregon Seed Growers League	2007
Doug Cattani <i>Vice-chair</i>	Oregon Seed Trade Association	2007
no assignment	Oregon Seed Growers League	2006
Rodney Hightower	Oregon Seed Growers League	2006
Dallas Goracke	Oregon Seed Growers League	2007
Wade Biegler	Oregon Seed Growers League	2008
Collin Crocker	Oregon Seed Growers League	2008
David Lundell	Oregon Seed Trade Association	2006
Steve Rusconi	Oregon Seed Trade Association	2006
Dan Hemshorn	Oregon Seed Trade Association	2007
Dan Nelson	Oregon Seed Trade Association	2008
Ken Strahan	Oregon Seed Trade Association	2008
Colin Scott	Turfgrass Breeders Association	2008
Bill Young	OSU Extension Specialist Seed Production	Permanent
Tom Silberstein	OSU Extension Agent Marion County	Permanent
Mark Mellbye	OSU Extension Agent Linn County	Permanent
Reed Barker	USDA-ARS National Forage Seed Production Research Center	Permanent
Russ Karow	OSU, Crop and Soil Science Department Head	Ex-officio
Dan Curry	OSU, Crop and Soil Science Seed Services Director	Ex-officio
Ron Cook	OSU Extension Specialist Seed Certification Manager	Ex-officio
Adriel Garay	OSU Seed Laboratory Manager	Ex-officio
Ron Pence	Oregon Department of Agriculture, Commodity Inspection Division	Ex-officio
Sandy Smith <i>Committee Secretary</i>	OSU Extension Specialist Seed Certification	Ex-officio

**Minutes of the 2006 Meeting**  
Grass and Legume Advisory Committee  
Certification, Foundation Seed and Plant Materials Board

Tuesday, December 12, 2006      LaSells Stewart Center, Oregon State University      Corvallis, Oregon

**Motions recommended for approval by the Certification Board at its next annual meeting<sup>3</sup>**  
February 13, 2007

1. Establish certification standards for Ball clover (*Trifolium nigrescens*).
2. Establish certification standards for Meadow fescue (*Festuca pratensis*).
3. Establish certification standards for Bermudagrass (*Cynodon dactylon* var. *dactylon*).
4. Establish certification standards for Foundation and Registered classes of seeded Seashore paspalum (*Paspalum vaginatum* Sw.).
5. Amend footnote #1 of the Festulolium standards regarding isolation:  
  
(Remove the statement) ~~This distance must be maintained from all tetraploid annual and tetraploid perennial ryegrasses, or meadow fescue.~~ (and replace with) "This distance must be maintained from all Annual, Intermediate and Perennial ryegrasses, and Meadow fescue of the same ploidy level. Isolation between diploid and tetraploid Festuloliums shall be no less than 15 feet."
6. Amend the restriction in the Handbook allowing the use of plant growth regulators for Kentucky bluegrass seed stock production with the permission of the variety owner and approval from OSCS:  
  
(Add the following statement to paragraph E.1.a) "Exceptions may be granted by OSCS on an annual basis for production of Kentucky bluegrass with permission of the variety owner."  
  
Additional stipulations include allowance only after the first production year following a review of the field's previous inspections, and leaving an untreated strip within the field for concurrent evaluation. The exemption will be allowed on a field on a year-to-year basis only as requested.
7. Amend the minimum germination requirement for Kentucky bluegrass from 75% to 80%.
8. Publish separate certification standards for each crop kind as amendments arise for existing aggregate standards (e.g., Bluegrass, Fine fescue).

---

<sup>3</sup> Complete editions of the affected certification standards begin on the next page. The proposed amendments are highlighted.



**Certification Standards:** The general standards for seed certification found in the Oregon Seed Certification Service Handbook (OSCS) are basic to all crops, and together with the following specific regulations constitute the certified Ball Clover standards.

**Varieties Certified:** Varieties and classes eligible for planting may be found in the OSCS Handbook.

**Field History:** Land must not have grown or been seeded to any Ball clover during the previous five years to be eligible to produce Foundation seed nor during the previous three years to produce Registered seed. Land must not have grown or been seeded to Ball clover during the previous two years to be eligible to produce Certified seed, unless the crop was of the same variety and certified. Ball clover must be planted in distinct rows. Exceptions must be approved by the Seed Certification Office prior to planting.

If Foundation seed is planted, one Registered seed crop and two Certified seed crops may be harvested.

If Registered seed is planted, two consecutive Certified seed crops may be harvested.

**Field Inspections:** Include a seedling and a seed crop inspection. The seedling application must be submitted within 60 days of planting and a seed crop application must be submitted by April 15 of the year that seed is produced.

**Field Standards:**

Class of seed produced	Maximum other varieties permitted <sup>1</sup>	Isolation requirements <sup>2</sup>	
		Less than 5 acres	More than 5 acres
Foundation	None	1320 ft.	1320 ft.
Registered	0.2%	660 ft.	330 ft.
Certified	0.5%	330 ft.	165 ft.

**Seed Standards:** (Minimum Sample Size – 1/4 Pound)

Factor	Foundation (White tag)	Registered (Purple tag)	Certified (Blue tag)
Pure seed, minimum	98.00%	98.00%	98.00%
Other crops, maximum	0.10%	0.25%	0.40%
Inert matter, maximum	2.00%	2.00%	2.00%
Weed seed <sup>3</sup> , maximum	0.25%	0.25%	0.50%
Weeds, Group A <sup>4</sup> , singly	None	22/lb.	22/lb.
Weeds, Group A <sup>4</sup> , combined	None	67/lb.	67/lb.
Germination (including hard seed)	85%	85%	85%

<sup>1</sup> Includes off-type plants.

<sup>2</sup> See Section IV D, General Standards in the OSCS Handbook.

<sup>3</sup> None of the prohibited weeds listed in section V, General Standards in the OSCS Handbook, nor any St. Johnswort or Wild carrot allowed in any class of seed.

<sup>4</sup> Group A – Sheep sorrel, Buckhorn plantain, Docks, Bedstraw.



**Certification Standards:** The general standards for seed certification found in the Oregon Seed Certification Service (OSCS) Handbook are basic to all crops, and together with the following specific regulations constitute the certified Meadow fescue standards.

**Varieties Certified:** Varieties and classes eligible for planting may be found in the OSCS Handbook.

**Field History:** Land must not have grown or been seeded to any Meadow fescue, Ryegrasses or Festulolium during the previous five years to be eligible to produce Foundation seed. Land must not have grown or been seeded to Annual ryegrass during the previous five years, nor Meadow fescue, Perennial ryegrass, Intermediate ryegrass or Festulolium during the previous two years to produce Registered or Certified seed unless the previous crop was of the same variety and class, and certified. Meadow fescue must be planted in distinct rows. Exceptions must be approved by the Seed Certification Office prior to planting.

**Field Inspections:** Include a seedling and a seed crop inspection. The seedling application must be submitted within 60 days of planting, and a seed crop application must be submitted by April 15 of each year in which seed is produced.

**Field Standards:**

Class of seed produced	Maximum permitted Other Varieties <sup>1</sup>	Isolation Requirements <sup>2</sup>	
		Less than 5 acres	More than 5 acres
Foundation	None	900 ft.	900 ft.
Registered	0.5%	660 ft.	300 ft.
Certified	1.0%	330 ft.	165 ft.

**Seed Standards:** (Minimum Sample Size – 1/2 Pound)

Factor	Foundation (White tag)	Registered (Purple tag)	Certified (Blue tag)
Pure seed, minimum	98.00%	98.00%	98.00%
Other crops, maximum	0.10%	0.10%	0.50%
Inert matter, maximum	2.00%	2.00%	2.00%
Weed seed <sup>3</sup> , maximum	0.30%	0.30%	0.30%
Weed seed, GROUP A <sup>4</sup> , singly or combined	None	27/lb.	27/lb.
Germination, minimum	85%	85%	85%

<sup>1</sup> Includes off-type plants.

<sup>2</sup> See section IV, D in the OSCS Handbook, Must be isolated from Meadow fescue, Festulolium and all Ryegrasses.

<sup>3</sup> None of the prohibited weeds listed in section V in the OSCS Handbook, nor St. Johnswort is allowed in any class of seed.

<sup>4</sup> GROUP A – Buckhorn plantain, Docks, Sheep sorrel, and Bedstraw.



**Certification Standards:** The general standards for seed certification found in the Oregon Seed Certification Service Handbook (OSCS) are basic to all crops, and together with the following specific regulations constitute the certified Bermuda grass standards.

**Varieties Certified:** Varieties and classes eligible for planting may be found in the OSCS Handbook.

**Field History:** Fields eligible for the production of Foundation seed must not have grown or been seeded to the same species during the previous five years and must have included a cultivated crop for three years. Fields eligible for the production of Certified seed must not have grown or been seeded to the same species during the previous three years and must have included a cultivated crop for two years unless the previous crop was the same variety and certified. Bermudagrass must be planted in distinct rows. Exceptions, as specified by the breeder for the variety, must be approved by the Seed Certification Office prior to planting.

**Field Inspections:** Include a seedling and a seed crop inspection. The seedling application must be submitted within 30 days of planting and a seed crop application must be submitted by June 15 each year seed is produced.

**Field Standards:**

Class of seed produced	Maximum other varieties permitted <sup>1</sup>	Isolation Requirements <sup>2</sup>	
		Less than 5 acres	More than 5 acres
Foundation	None	900 ft.	900 ft.
Certified	0.3%	300 ft.	165 ft.

**Seed Standards:** (Minimum Sample Size – 1/2 pound)

Factor	Foundation (White Tag)	Certified (Blue Tag)
Pure seed, minimum	97.00%	97.00%
Other crops, maximum	0.01%	0.25%
Inert matter, maximum	3.00%	3.00%
Weed seed <sup>3</sup> , maximum	0.01%	0.2%
Weed seed, Group A <sup>4</sup> , singly or combined	None	45/lb.
Germination, minimum	85%	85%

<sup>1</sup> Includes off-type plants.

<sup>2</sup> See Section IV D, General Standards in the OSCS Handbook.

<sup>3</sup> None of the prohibited weeds listed in Section V, General Standards in the OSCS Handbook, nor any St. Johnswort allowed in any class of seed.

<sup>4</sup> GROUP A -- Buckhorn plantain, Docks, Sheep sorrel, Bedstraw.



**Certification Standards:** The general standards for seed certification found in the Oregon Seed Certification Service Handbook (OSCS) are basic to all crops, and together with the following specific regulations constitute the certified Seashore paspalum standards.

**Varieties Certified:** Varieties and classes eligible for planting may be found in the OSCS Handbook.

**Planting Stock:** **Vegetative:** Field must be planted with Breeder planting material in distinct rows. Certified seed produced will be tagged, but cannot be planted for further certification. **Seed:** Field must be planted with Breeder, Foundation or Registered seed in distinct rows to produce certified seed.

**Field History:** To produce **Foundation, Registered or Certified** seed land must not have grown or been planted to the same species during the previous five years. Under the Modification of Land History procedures a grower may plant a field back to Seashore paspalum that has not produced or set seed, assuming proper planting stock has been used and certification eligibility had been previously established. For further details see Section IV-C General Standards of the OSCS Handbook.

**Field Inspection:** Include a seedling and a seed crop inspection. The seedling applications must be submitted within 60 days of planting, and a seed crop application must be submitted by **April June 15** of each year in which seed is produced.

**Field Standards:**

Class of seed produced	Maximum other varieties permitted <sup>1</sup>	Minimum Original Stand	Isolation Requirements <sup>2</sup>	
			Less than 5 acres	More than 5 acres
<i>Foundation</i>	<i>None</i>	<i>70%</i>	<i>900 ft.</i>	<i>900 ft.</i>
<i>Registered</i>	<i>0.1%</i>	<i>70%</i>	<i>660 ft.</i>	<i>330 ft.</i>
<b>Certified</b>	<b>0.3%</b>	<b>70%</b>	<b>330 ft.</b>	<b>330 165 ft.</b>

**Special Requirements:** (remove bullets A and B)

A field of Sea Spray Seashore paspalum may produce only seven consecutive Certified seed crops following the first or establishment year. An even balance of seed heads must be maintained during the entire seven-year life of the stand.

**Seed Standards:** (Minimum Sample Size -- 1/2 Pound)

Factor	<i>Foundation (White Tag)</i>	<i>Registered (Purple Tag)</i>	<b>Certified (Blue Tag)</b>
Pure seed, minimum	<i>98.00%</i>	<i>98.00%</i>	<b>97.00%</b>
Other crop, maximum	<i>0.10%</i>	<i>0.10%</i>	<b>0.10%</b>
Inert matter, maximum	<i>2.00%</i>	<i>2.00%</i>	<b>3.00%</b>
Weed seed <sup>3</sup> , maximum	<i>0.05%</i>	<i>0.05%</i>	<b>0.05% 0.2%</b>
Weed seed, GROUP A <sup>4</sup> , singly or combined	<i>None</i>	<i>None</i>	<b>180/lb.</b>
Germination, minimum	<i>75%</i>	<i>75%</i>	<b>75%</b>

<sup>1</sup>Includes off-type plants

<sup>2</sup>This distance must be maintained between all other varieties of Seashore paspalum. For additional details, see Section IV, General Standards in the OSCS Handbook

<sup>3</sup>None of the prohibited weeds listed in Section V, General Standards in the OSCS Handbook nor any Buckhorn plantain, St. Johnswort, Docks, Sheep sorrel nor Corn bedstraw is allowed in **Certified any class of** seed.

<sup>4</sup>GROUP A – Mouse-ear chickweed, Yarrow



**Certification Standards:** The general standards for seed certification found in the Oregon Seed Certification Service Handbook (OSCS) are basic to all crops, and together with the following specific regulations constitute the certified Festulolium standards.

**Varieties Certified:** Varieties and classes eligible for planting may be found in the OSCS Handbook.

**Field History:** To produce Foundation seed land must not have grown or been seeded to any annual or perennial ryegrass or tall or meadow fescue during the previous five years. For the production of the certified class land must not have grown or been seeded to any annual ryegrass during the previous five years nor perennial ryegrass or tall or meadow fescue during the previous two years, unless of the same variety, class and certified. Festulolium varieties must be planted in distinct rows. Exceptions must be approved by the Seed Certification Office prior to planting.

**Field Inspection:** A seedling and a seed crop inspection. The seedling application must be submitted within 60 days of planting, and a seed crop application must be submitted by April 15 of each year in which seed is produced.

**Field Standards:**

Class of seed produced	Maximum other varieties permitted	Isolation Requirements <sup>1</sup>	
		Less than 5 acres	More than 5 acres
Foundation	None	1320 ft.	900 ft.
Registered	0.5%	660 ft.	300 ft.
Certified	1.0%	330 ft.	165 ft.

**Seed Standards:** (Minimum Sample Size – 1/2 pound)

Factor	Foundation (White Tag)	Registered (Purple Tag)	Certified (Blue Tag)
Pure seed, minimum	98.00%	98.00%	98.00%
Other crops, maximum	0.10%	0.10%	0.50%
Inert matter, maximum	2.00%	2.00%	2.00%
Weed seed <sup>2</sup> , maximum	0.15%	0.15%	0.50%
Weed seed, Group A <sup>3</sup> , singly or combined	None	45/lb.	45/lb.
Germination	75%	75%	75%

<sup>1</sup>This distance must be maintained from all tetraploid annual and tetraploid perennial ryegrasses, or meadow fescue. This distance must be maintained from all Annual, Intermediate and Perennial ryegrasses, and Meadow fescue of the same ploidy level. Isolation between diploid and tetraploid Festuloliums shall be no less than 15 feet. See section IV, D in the OSCS Handbook. See Section IV D, General Standards in the OSCS Handbook.

<sup>2</sup>None of the prohibited weeds listed in Section V, General Standards in the OSCS Handbook, nor any St. Johnswort allowed in any class of seed.

<sup>3</sup>GROUP A -- Buckhorn plantain, Docks, Sheep sorrel, and Bedstraw

**E. Field Management and Inspection**

1. Field Management Prior to Field Inspection:

a. The field shall be in such condition that genetic purity is maintained. Any condition that shall not permit adequate inspection to determine genetic purity shall be cause for rejection. Plant growth regulators may not be applied to grass and legume seed production fields of Foundation and Registered (or equivalent) classes beginning with the 2003 crop. Exceptions may be granted by OSCS on an annual basis for production of Kentucky bluegrass with permission of the variety owner.



**Certification Standards:** The general standards for seed certification found in the Oregon Seed Certification Service (OSCS) Handbook are basic to all crops, and together with the following specific regulations constitute the certified Kentucky bluegrass standards.

**Varieties Certified:** Varieties and classes eligible for planting may be found in the OSCS Handbook.

**Field History:** To produce Foundation and Registered seed, land must have been free of any Bluegrass of the same kind Kentucky bluegrass for five years. Land must not have grown or been seeded to another variety of the same kind of Bluegrass Kentucky bluegrass for production of Certified seed during the previous three years, unless the previous crop was of the same variety and passed certification field requirements. When the field is being planted back to the same Bluegrass Kentucky bluegrass variety, and the variety was certified, the time interval may be eliminated. Bluegrass Kentucky bluegrass must be planted in distinct rows. Exceptions must be approved by the Seed Certification Office prior to planting.

**Field Inspections:** Include a seedling and a seed crop inspection. The seedling application must be submitted within 60 days of planting and a seed crop application must be submitted by April 15 of each year in which seed is produced.

**Field Standards:**

Class of seed produced	Maximum permitted Other Varieties <sup>1</sup>	Rough bluegrass in Kentucky bluegrass	Kentucky bluegrass Minimum isolation <sup>2</sup>	Other Bluegrass Isolation Requirements <sup>2</sup>	
				Less than 5 acres	More than 5 acres
Foundation	None	None	60 ft.	900 ft.	900 ft.
Registered	0.1%	None	30 ft.	660 ft.	300 ft.
Certified	2.0%	---	15 ft.	330 ft.	165 ft.

**Seed Standards:** (Minimum Sample Size – 1/4 Pound)

Factor	Foundation (White tag)	Registered (Purple tag)	Other varieties Certified (Blue tag)	America, Reubens, Merion, Supranova Certified (Blue tag)
Pure seed, minimum	95.00%	95.00%	95.00%	92.00%
Other crops <sup>3</sup> maximum	0.10%	0.10%	0.25% <sup>4</sup>	0.25%
Inert matter, maximum	5.00%	5.00%	5.00%	8.00%
Weed seed <sup>5</sup> , maximum	0.10%	0.30%	0.30%	0.30%
Weed seed, GROUP A <sup>6</sup> , singly or combined	None	None	45/lb.	45/lb.
Germination, minimum	75 80%	75 80%	75 80%	75%

<sup>1</sup> Includes off-type plants as may be designated by the varietal description.  
<sup>2</sup> See section IV, D in the OSCS Handbook. Mechanical isolation is required between Rough bluegrass and Kentucky bluegrass, and between Wood bluegrass and Kentucky bluegrass.  
<sup>3</sup> No Rough bluegrass allowed in Foundation or Registered class of Kentucky bluegrass (10 gram test).  
<sup>4</sup> Kentucky bluegrass limited to 3.00% in Colt, Laser, Laser II, and Sabre Rough bluegrass and 2.00% in all other Rough bluegrass varieties.  
<sup>5</sup> None of the prohibited weeds listed in section V in the OSCS Handbook, nor any St. Johnswort allowed in any class of seed. No Annual bluegrass allowed in Foundation or Registered class of Kentucky, Rough, Wood or Big bluegrass.  
<sup>6</sup> GROUP A Buckhorn plantain, Docks, Sheep sorrel and Bedstraw.



**Certification Standards:** The general standards for seed certification found in the Oregon Seed Certification Service (OSCS) Handbook are basic to all crops, and together with the following specific regulations constitute the certified Bluegrass standards.

**Varieties Certified:** Varieties and classes eligible for planting may be found in the OSCS Handbook. These standards include Canada, Kentucky, Rough, Supina, Wood and Big Bluegrasses.

**Field History:** To produce Foundation and Registered seed, land must have been free of any Bluegrass of the same kind for five years. Land must not have grown or been seeded to another variety of the same kind of Bluegrass for production of Certified seed during the previous three years, unless the previous crop was of the same variety and passed certification field requirements. When the field is being planted back to the same Bluegrass variety, and the variety was certified, the time interval may be eliminated. Bluegrass must be planted in distinct rows. Exceptions must be approved by the Seed Certification Office prior to planting.

**Field Inspections:** Include a seedling and a seed crop inspection. The seedling application must be submitted within 60 days of planting and a seed crop application must be submitted by April 15 of each year in which seed is produced.

**Field Standards:**

Class of seed produced	Maximum permitted Other Varieties <sup>1</sup>	Rough bluegrass in Kentucky bluegrass	Kentucky bluegrass Minimum isolation <sup>2</sup>	Other Bluegrass Isolation Requirements <sup>2</sup>	
				Less than 5 acres	More than 5 acres
Foundation	None	None	60 ft.	900 ft.	900 ft.
Registered	0.1%	None	30 ft.	660 ft.	300 ft.
Certified	2.0%	---	15 ft.	330 ft.	165 ft.

**Seed Standards:** (Minimum Sample Size – 1/4 Pound)

Factor	Foundation (White tag)	Registered (Purple tag)	Other varieties Certified (Blue tag)	America, Reubens, Merion, Supranova Certified (Blue tag)
Pure seed, minimum	95.00%	95.00%	95.00%	92.00%
Other crops <sup>3</sup> maximum	0.10%	0.10%	0.25% <sup>4</sup>	0.25%
Inert matter, maximum	5.00%	5.00%	5.00%	8.00%
Weed seed <sup>5</sup> , maximum	0.10%	0.30%	0.30%	0.30%
Weed seed, GROUP A <sup>6</sup> , singly or combined	None	None	45/lb.	45/lb.
Germination, minimum	75%	75%	75%	75%

<sup>1</sup> Includes off-type plants as may be designated by the varietal description.  
<sup>2</sup> See section IV, D in the OSCS Handbook. Mechanical isolation is required between Rough bluegrass and Kentucky bluegrass, and between Wood bluegrass and Kentucky bluegrass.  
<sup>3</sup> No Rough bluegrass allowed in Foundation or Registered class of Kentucky bluegrass (10 gram test).  
<sup>4</sup> Kentucky bluegrass limited to 3.00% in Colt, Laser, Laser II, and Sabre Rough bluegrass and 2.00% in all other Rough bluegrass varieties.  
<sup>5</sup> None of the prohibited weeds listed in section V in the OSCS Handbook, nor any St. Johnswort allowed in any class of seed. No Annual bluegrass allowed in Foundation or Registered class of Kentucky, Rough, Wood or Big bluegrass.  
<sup>6</sup> GROUP A Buckhorn plantain, Docks, Sheep sorrel and Bedstraw.