

**RULE-MAKING ORDER**  
(RCW 34.05.360)

**CR-103** (10/1/89)



Agency: Agriculture

- Permanent Rule
- Emergency Rule

(1) Date of adoption: June 9, 1992

(2) Purpose:

To set fees for services performed for the seed industry and set standards and requirements for the certification of seed.

(3) Citation of existing rules affected by this order:

Repealed:

Amended: WAC 16-495, WAC 16-304, WAC 16-316

Suspended:

(4) Authority for adoption:

Statute: Chapter 15.49 RCW

Other Authority:

(5.1) PERMANENT RULE ONLY

Pursuant to notice filed as WSR 92-09-150 on April 22, 1992 (date).

Describe any changes other than editing from proposed to adopted version:

(5.2) EMERGENCY RULE ONLY

Pursuant to RCW 34.05.350 the agency for good cause finds:

- (a) That immediate adoption, amendment, or repeal of a rule is necessary for the preservation of the public health, safety, or general welfare, and that observing the time requirements of notice and opportunity to comment upon adoption of a permanent rule would be contrary to the public interest.
- (b) That state or federal law or federal rule or a federal deadline for state receipt of federal funds requires immediate adoption of a rule.

Reasons for this finding:

(5.3) Any other findings required by other provisions of law as precondition to adoption or effectiveness of rule?

Yes  No If yes, explain:

(6) Effective date of rule:

**Permanent Rules**

31 days after filing

Other (specify) \_\_\_\_\_ \*

\*(If less than 31 days after filing, specific finding in 5.3 under RCW 34.05.380(3) is required)

**Emergency Rules**

Immediately

Later (specify) \_\_\_\_\_

**CODE REVISER USE ONLY**  
CODE REVISER'S OFFICE  
STATE OF WASHINGTON  
FILED

JUN 09 1992

TIME 2:45

WSR 92-13027

NAME (TYPE OR PRINT)

C. Alan Pettibone

SIGNATURE

TITLE

Director

DATE

6/9/92

AMENDATORY SECTION (Amending Order 2041, filed 6/5/90, effective 7/6/90)

WAC 16-304-110 ANNUAL SEED INSPECTION CHARGE. Each person required to obtain a seed labeling permit, pursuant to RCW 15.49.400, of the Washington State Seed Act, shall also, pursuant to RCW 15.49-.310 and 15.49.370, pay a general seed inspection charge annually to the department in the amount of ten cents per one hundred dollars gross annual dollar sales in excess of ten thousand dollars of agricultural and/or vegetable seed distributed in this state during the preceding fiscal year: PROVIDED, That no assessment shall be collected on (1) seed for which the assessment has been previously collected, except when such seed has been relabeled; (2) agricultural or vegetable seed distributed out of state; (3) seed distributed in containers of four ounces or less; (4) stock seed; and (5) seed distributed by governmental agencies, such as but not limited to the United States Department of Agriculture national foundation seed project: PROVIDED FURTHER, That erroneous and overpayments shall be refunded on request. Requests for refund shall be filed by June 30 of the year following the due date. Agricultural and/or vegetable seeds distributed under bailment contract shall be valued at the producer-conditioner agreement rate in lieu of sale.

The assessment fees for the period beginning July 1, ((1989)) 1991, through June 30, ((1990)) 1992, shall be payable by February 1, ((1991)) 1993. The assessment fees for the period beginning July 1, ((1990)) 1992, through June 30, ((1991)) 1993, shall be payable by February 1, ((1992)) 1994.

The assessment may accompany the annual application for the seed labeling permit. A penalty of ten percent of the assessment fee or minimum of ten dollars, whichever is greater, shall be added to all assessments not paid by February 1. These funds shall only be used for seed control activities. The annual seed labeling permit may not be issued until all assessments and penalties have been satisfied.

AMENDATORY SECTION (Amending Order 2041, filed 6/5/90, effective 7/6/90)

WAC 16-304-130 SEED INSPECTION ASSESSMENT--EFFECTIVE DATES. This rule is effective through June 30, ((1992)) 1994. Between January 1, ((1992)) 1994, and March 1, ((1992)) 1994, the assessment program shall be reviewed by the seed branch advisory committee, who will recommend whether to continue the seed assessment program. Such recommendations shall be considered at a public hearing under the authority of chapter 42.30 RCW, the Open Public Meetings Act, and chapter 34.05 RCW, the Administrative Procedure Act. The advisory committee shall also recommend the objectives of the seed quality control activities and shall review expenditures of assessment funds to verify such funds are being used only for seed quality control activities.

AMENDATORY SECTION (Amending Order 1690, filed 5/30/80)

WAC 16-316-235 LAND REQUIREMENTS. (1) ~~((A field to be planted with breeder seed for the production of foundation seed, or with foundation seed for the production of registered seed, must not have been grown or seeded to alfalfa during the preceding four years.~~

~~{2}--A field to be planted with foundation or registered seed for the production of certified seed must not have been grown or seeded to alfalfa during the preceding two years--Except the time interval--may be reduced to one year if the new planting is of the same variety and class.~~

~~{3}) A crop of the same kind must not have been grown or planted on the land for four, four, and one year prior to stand establishment for producing the foundation, registered and certified classes, respectively; except two years are required for the production of certified class seed of varieties adapted to the northern and central regions following varieties adapted to the southern region.~~

(2) Reseeding of a field due to failure or partial failure of the first seeding may be done with permission of the certifying agency.

((4)) (3) Ditchbanks, roadways, etc. adjacent to a certified field must be free of volunteer alfalfa and prohibited noxious weeds.

((5)) (4) Volunteer alfalfa plants in the field may be cause for rejection or reclassification of a seed field.

((6)) (5) No manure or other contaminating materials shall be applied during the establishment and production period of the stand.

AMENDATORY SECTION (Amending Order 1655, filed 8/31/79)

WAC 16-316-240 ISOLATION REQUIREMENTS. (1) Alfalfa for certification shall be isolated from all other alfalfa varieties or fields of the same alfalfa variety not meeting varietal purity requirements for certification as follows:

Class Being Produced	Fields less than five acres	Fields five acres or more
Foundation	900 feet	600 feet
Registered	450 feet	300 feet
Certified	165 feet	165 feet

(2) Isolation between different classes (generations) of the same variety shall be as follows:

Class Being Produced	Distance Required from Fields Planted with:	Fields less than 5 acres	Fields 5 acres or more
Foundation	Foundation or Registered	225 feet	150 feet
Registered	Registered or Certified	115 feet	75 feet
Certified	Certified	75 feet	45 feet

(3) In cases where an adjoining field is planted with a different variety of alfalfa, or alfalfa of a lower class, isolation may be obtained by measuring off the required strip in the certified field. This isolation strip may be mowed for hay or it may be harvested for uncertified seed under the following conditions:

(a) The grower must apply for certification of the entire field and clearly stake off the isolation strip. The entire field must pass all certification requirements, except for isolation at time of inspection. The field report will show rejection due to lack of isolation.

(b) The grower may harvest either the certified portion of the field, or the uncertified isolation strip first and deliver this portion to the processing plant. After this seed is weighed and lotted in, the grower will request a reinspection of the uncut portion. After reinspection, if everything is in order, the field will be passed and the remainder of the field can then be harvested.

(4) Isolation is not required in a field producing certified class seed when the isolation zone is less than ten percent of the entire field being certified: PROVIDED, That there is a clear ((3m)) ten-foot line of demarcation between adjacent varieties. The isolation zone is the area calculated by the length of the common border with other varieties by average width of the certified field falling within the ((50m)) one hundred sixty-five-foot isolation distance requirement.

AMENDATORY SECTION (Amending Order 1499, filed 3/31/77)

WAC 16-316-245 FIELD TOLERANCES. Field tolerances shall be as follows:

	Field Producing*		
	Foun- dation	Regis- tered	Certi- fied
Other varieties	0.10%	0.5%	1.0%
Sweet clover	none		
	<u>found</u>	5 plants/acre	20 plants/acre
Red clover	none		
	<u>found</u>	4 plants/acre	20 plants/acre

\* Prohibited noxious weeds must be controlled to prevent seed formation.

AMENDATORY SECTION (Amending Order 1609, filed 4/30/79)

WAC 16-316-250 SEED STANDARDS. (1) Seed standards shall be as follows:

Purity		Foun- dation	Regis- tered	Blue Tag Certi- fied
Pure seed	(Min.)	99.00%	99.00%	99.00%
Other crops	(Max.)	.10%	.10%	.25%
Sweet clover	(Max.)	none	none	90 per lb.
		<u>found</u>	<u>found</u>	
Inert matter	(Max.)	1.00%	1.00%	1.00%
Weed seed	(Max.)	.10%	.20%	.25%
Objectionable weed seeds:				

Purity	Founda- tion	Regis- tered	Blue Tag Certi- fied
Maximum total	none <u>found</u>	none <u>found</u>	18 per lb.
Germination (Min. total germina- tion and hard seed)	80.00%	85.00%	85.00%
or Tetrazolium (Min. total of Tetrazolium and hard seed)	82.00%	87.00%	87.00%

(2) Alfalfa seed must be free of prohibited noxious weed seeds. Further, the foundation class must also be free of Brassica spp.

(3) Foundation or registered seed that has been rejected in the laboratory for prohibited noxious weed seeds may be reclassified to the certified blue tag class and may not be eligible for seed stock even though it is recleaned and meets certification standards.

AMENDATORY SECTION (Amending Order 2005, filed 5/22/89)

WAC 16-316-315 PHYTO-SANITARY CERTIFICATION--FEE AND CHARGES.

(1) Fee for area and field inspection:

(a) Field inspection (payable with application):

(i) All seed except wheat seed. For each required inspection (per acre or fraction thereof)..... \$ ~~((4.00))~~ 5.00  
(with minimum fee of \$20.00 per field per inspection)

(ii) Wheat seed only. For each required inspection (per acre or fraction thereof)..... \$ ~~((7.75))~~ 2.00  
~~((An additional charge of fifty cents per acre shall be charged for each disease requested in excess of two.))~~

(b) Area inspection

(per one hundred pounds)..... \$ 0.05  
Billed at time certificate is issued with a minimum of twenty dollars and a maximum of one hundred fifty dollars per certificate.

(2) Late application penalty fee..... \$30.00

This additional fee shall be charged for each application received after due date.

(3) Sampling fee when sampling is required:

(a) Beans, peas, lentils, cereal grains

(per one hundred pounds) ..... \$ 0.05

(b) Other crops

(per one hundred pounds)..... \$ 0.15

(4) Serology test:..... Fee to be established by the state of Idaho.

An official five pound sample is required from each ten thousand pounds or portion thereof. Officially drawn samples will be submitted to: State Plant Pathologist, Idaho Department of Agriculture, P.O. Box 410, Twin Falls, Idaho 83301.

(5) Fees for services not listed in this rule shall be set on the basis of the actual cost to the department of agriculture or the most appropriate fee established shall be used.

(6) Laboratory analysis of plant material: An additional fee of ~~((eighteen-dollars-per-field))~~ actual cost shall be charged when necessary to examine plant material and/or seed in the laboratory to verify disease.

AMENDATORY SECTION (Amending Order 1851, filed 5/2/85)

WAC 16-316-327 PHYTO-SANITARY CERTIFICATE FOR BEANS. (1) Specific bacterial diseases of beans for which phyto-sanitary certificates may be issued are:

- (a) Halo Blight - *Pseudomonas phaseolicola* (Burk.) Dows.
- (b) Common Bean Blight - *Xanthomonas phaseoli* (E.F. Sm.) Dows.
- (c) Fuscous Blight - *Xanthomonas phaseoli* var. *fuscans* (Burk.) Dows.
- (d) Bean Bacterial Wilt - *Corynebacterium flaccumfaciens* (Hedges) Dows.
- (e) Or any varieties or new strains of these diseases.
- (f) Brown Spot Disease - *Pseudomonas syringae*.
- (g) Bean Anthracnose - *Colletotrichum lindemuthianum*.
- (h) Seedborne viral diseases.

(2) Common bean seed to be eligible for a phyto-sanitary certificate covering the bacterial diseases listed above, shall be free of the diseases in question as determined by field inspection during the growing season and by a windrow inspection. (Serology test and greenhouse test may be accepted in lieu of windrow inspection at the discretion of the department of agriculture.)

(3) Snap beans and kidney beans grown under sprinkler irrigation shall not be eligible for phyto-sanitary certificates covering bacterial diseases.

(4) To be eligible for phyto-sanitary certificate, field planted shall be free of halo blight the previous two years.

(5) To be eligible for phyto-sanitary certificate, fields shall be 1320 feet from an incident of diseases listed in ((~~paragraph~~)) subsection (1) of this section. It is recommended that equipment be disinfected between fields.

(6) Field inspection requirements:

At least two field inspections are required for beans being inspected for the bacterial diseases listed above:

(a) The first inspection is required when factors effecting diseases are most evident.

(b) The second inspection is required when the plants are in the windrow.

(7) All bean seed entered into the phyto-sanitary inspection program shall comply with the bean seed quarantine rules. See WAC 16-494-001 through 16-494-062.

AMENDATORY SECTION (Amending Order 1560, filed 3/1/78, effective 4/1/78)

WAC 16-316-340 GRASS SEED CERTIFICATION STANDARDS. The general seed certification standards are basic and together with the list of varieties eligible and the following specific regulations, constitute the standards for grass seed certification. ((~~See specific regulations for bentgrass standards.~~)) In addition to these standards, each lot of seed stock subject to annual bluegrass quarantine must be in compliance with said quarantine to be eligible for certification.

AMENDATORY SECTION (Amending Order 2005, filed 5/22/89)

WAC 16-316-350 GRASS SEED CERTIFICATION FEES--SEEDLING APPLICATIONS. (1) All applications and fees for seedlings shall be due within sixty days of planting; PROVIDED, That such applications may be accepted after due date at the discretion of the certifying agency upon payment of the late seedling penalty fee.

(a) Seedling application fee:

Per variety, per field..... \$15.00  
 (b) Late seedling penalty fee: (per kind)..... \$30.00

This additional fee shall be charged for seedling applications received after due date.

(c) Seedling producing application fee:

Per field, per grower..... \$15.00

Required of seedling fields to be harvested for certification the year of planting. Notification of seedling field to be harvested for certification and required fees shall be due July 31: PROVIDED, That such application may be accepted after due date with thirty dollars late penalty fee at the discretion of the certifying agency.

(2) Renewal applications: Due May 1: PROVIDED, That such applications may be accepted after due date at the discretion of the certifying agency upon payment of the late renewal penalty fee.

(a) Renewal application fee:

Per variety, per grower..... \$15.00

(b) Late renewal penalty fee: (per variety)..... \$30.00

This additional fee shall be charged for renewal applications received after May 1.

(c) Inspection fee per field..... \$30.00

(3) Annual grasses inspection fee: (per acre)..... \$ 1.75

Applications are due within sixty days after planting.

(4) Reinspection: Other than isolation (each field)..... \$40.00

If a field is rejected for certification, the grower may apply for reinspection after the cause for rejection is corrected. Only two reinspections are permitted for each field each year.

(5) Inspection and final certification fees: Inspection and final certification fees shall be based on pounds sampled and billed upon completion of required tests (Option A). Those dealers requesting sampling and tagging privileges and/or participation in Option B shall sign a memorandum of agreement that shall expire on June 30 of each year. The memorandum may be terminated by the director if the conditioner violates certification standards or requirements of memorandum.

(a) Option A: When based on pounds sampled, and billed at completion of required laboratory tests, the fees shall be:

(i) Final certification fee..... \$ 0.80

per one hundred pounds. (If no seed is tagged, twenty cents of the final certification fee is refundable upon request.)

(ii) Service fee for out-of-state origin..... \$ 0.30

per one hundred pounds.

(iii) Blend fee shall be as established by blend rule, and in addition to above fees. However, blend fee not applicable to salvage blends.

(iv) Payment of fees shall be the responsibility of the person signing the application. However, conditioner may assume this responsibility.

(b) Option B: When based on pounds tagged after required laboratory tests are completed, the fees shall be:

(i) Final certification fee..... \$ 1.10

per one hundred pounds. (Minimum fee per tagging)..... \$10.00

(ii) Service fee for out-of-state origin..... \$ 0.65

per one hundred pounds.

(iii) Blend fee (in addition to fee established by blend rule) shall be payable upon completion of blend on total weight of blend, and shall be as follows:

(A) Washington origin certified seed used in blend..... \$ 1.00

per one hundred pounds.

(B) Out-of-state origin certified seed used in blend..... \$ 0.60

per one hundred pounds: PROVIDED, That those fees listed in (a) and (b) above are not applicable to certified seed that is tagged and sealed, and on which final fees have been paid.

(C) A refund or credit shall be issued for the percent of the blend lot not tagged. (For example, if forty percent of

the blend is not tagged, forty percent of the fees charged under Option B above is refundable.) Requests for refunds shall be made by June 30 following final disposition of the blend.

(6) Payment of fees shall be the responsibility of the conditioner. A conditioner choosing this program shall handle all certified grasses in his warehouse under this program for the entire crop year. Upon termination or nonrenewal of Option B memorandum of agreement, conditioner shall be responsible for Option A fees on all certified seed not tagged at termination date.

(7) Fees for services such as O.E.C.D. and sod quality, etc., shall be in addition to the fees listed in these standards.

(8) Purity and germination test fees shall be as established by the director of agriculture.

(9) Fees for retagging, or services not listed in this rule shall be the most applicable fee established by the director of agriculture.

(10) Fees for reissue of tags shall be ten cents per tag with a minimum fee of ten dollars.

AMENDATORY SECTION (Amending Order 1889, filed 6/9/86)

WAC 16-316-355 GRASS SEED--LAND REQUIREMENTS. (1) A field to be planted with breeder seed for the production of foundation seed shall not have grown or have been seeded to the same species, sub-species, variety, or strain of grass during the preceding five years. The field shall be planted in spaced rows. The five year eligibility may be waived to three years with the use of fumigants and other short-term soil sterilization chemicals subject to approval of the certifying agency.

(2) A field to be planted with foundation seed for the production of registered seed shall not have grown or have been seeded to the same species, sub-species, variety, or strain of grass during the preceding three years.

(3) A field to be planted with foundation, registered, or certified seed for the production of certified seed shall not have grown or have been seeded to the same species, sub-species, variety or strain of grass during the preceding year unless the previous planting was of the same ((~~species~~, ~~sub-species~~)) variety( ~~or strain~~) and eligible to produce foundation, registered or certified seed.

(4) Reseeding of a field because of failure or partial failure of the first seeding may be done with permission of the ((~~seed-branch~~)) department.

(5) Grasses of the same kind growing in fence rows and other areas adjacent to the field shall be controlled to prevent blooming.

AMENDATORY SECTION (Amending Order 2005, filed 5/22/89)

WAC 16-316-360 GRASS SEED--ISOLATION REQUIREMENTS. (1) A seed field to be eligible for the production of foundation, registered or certified seed shall be isolated from any other variety or strain of the same species in accordance with the requirements in the following table:



Symbol for Type of Reproduction	Minimum Isolation Distance Required for Fields Producing:		
	Foundation	Registered	Certified
Strains at least 80% Apomictic -----A	60 feet	30 feet	15 feet clean fallow
Highly Self-Fertile Species -----S	60 feet	30 feet	15 feet clean fallow
All Cross-Pollinated Species --C	900 feet	300 feet	165 feet

(2) Isolation required between different classes of the same variety of cross-pollinated (C) species:

Class Seed Planted	Class Seed Produced	Distance Required From Nearest Field Producing:
Breeder	Foundation	Registered----- 150 feet
"	"	Certified----- 225 feet
Foundation	Registered	Certified----- 75 feet

(3) Isolation is not required in fields producing certified class seed when the isolation zone is less than ten percent of the entire field being certified: PROVIDED, That there is a clear (ten feet) line of demarcation between adjacent varieties. The isolation zone is the area calculated by the length of the common border with other varieties by average width of the certified field falling within the one hundred sixty-five feet isolation distance requirement.

(4) Isolation requirements between classes of the same variety of apomictic (A) and self-fertile (S) species is as follows:

(a) Field producing foundation or registered shall be a minimum of fifteen feet from field planted with different class of same variety.

(b) Field producing certified seed shall be a minimum of five feet from field planted with different class of the same variety.

~~((4))~~ (5) Border removal for grass isolation: If it is not possible to provide minimum isolation distances for fields exceeding five acres in area, border removal is permitted. Border removal requires removal of the portion of the field being certified that is adjacent to the contamination source. Minimum distances required for border removal are as follows:

Border to be removed from the field being certified	Minimum Isolation Distance Required for Fields Producing:		
	Foundation	Registered	Certified
0 feet	900 ft.	300 ft.	165 ft.
15 feet	450 ft.	150 ft.	75 ft.

(a) The grower shall apply for certification of the entire field and before inspection clearly stake off the border removal portion.

(b) A reinspection shall be required after harvest of the certified portion of the field.

(c) The border removal portion of the field may be harvested for uncertified seed under the following conditions:

(i) The entire field shall pass all certification requirements except for isolation at time of inspection. The field report will show rejection due to lack of isolation.

(ii) The grower shall harvest the certified portion of the field first and deliver this seed to the ((processing)) conditioning plant. After seed is weighed and lotted in, the grower shall request a reinspection; if everything is in order, the field shall be passed and the border strip can be harvested as uncertified seed.

AMENDATORY SECTION (Amending Order 2041, filed 6/5/90, effective 7/6/90)

WAC 16-316-370 GRASS SEED STANDARDS. Seed standards for grass shall be as follows:

((PART-ONE-OF-TABLE

Crop-S type-of Reproduction	Symbol {as defined	Min-%		Max-%	
		in	Germination	Pure	Inert
		WAC 16-316-360	Fndts	Fndts	Fndts
		Reg	Cert	Reg	Cert
<b>Bluegrass</b>					
-Sherman	{A}	70	70	90	90
-Canby	{A}	70	70	90	90
-Kentucky	{A}	80(e)	80(e)	97	97(d)
-Merion-Kentucky	{A}	80(e)	80(e)	92	92(d)
-Canada					
--and-Upland	{A}	80	80	96	92(d)
<b>Bromegrass</b>					
-Smooth-Brome	{E}	80	85	95	95
-Meadow-Brome	{E}	80	85	95	95
-Mountain-Brome	{S}	85	85	95	95
-Beertongue	{E}	50	50	97	95
<b>Fescue</b>					
-Fall-and					
--meadow	{E}	80	85	95	97
-Hard-and					
--sheep, Idaho,					
--Red-Fescue	{E}	80	85	95	95
-Other-Fescue					
--{Chewings}	{E}	80	90	95	95
<b>Orchardgrass</b>					
	{E}	80	85	85	90
			80-for-Pennlate	6-latar	
<b>Ryegrass</b>					
-Pennfine	{E}	85	85	96	97
<b>Timothy</b>					
	{E}	80	85	97	97

Crop-S type-of Reproduction	Symbol {as defined	Min-% Germ	Min-% Pure	Max-% Inert
	in W&E-16	----- Pndts	----- Pndts	----- Pndts
	316-360}	Req	Cert	Req
		----- Cert	----- Req	----- Cert
<b>Wheatgrass</b>				
-Beardless	{E}	80	85	90
-Bluebunch	{E}	80	85	90
-Intermediate	{E}	80	85	95
-Pubescent	{E}	80	85	95
-Western, --Streambank, --Thickspike	{E}	80	85	90
-Crested, and --Siberian	{E}	80	85	90
-Slender	{S}	80	85	90
-Fall	{E}	80	85	95
Indian-Ricegrass	{E}	80*	80*	95
<b>Puccinellia</b>				
-distan	{E}	80	80	95
<b>Basin-Wildrye and</b>				
-Russian-Wildrye	{E}	80	80	90
Bentgrass	{E}	85	85	98
Redtop	{E}	80	80	92
Ann-Canarygrass	{E}	85	85	99

PART-TWO-OF-TABLE

Crop-S type-of Reproduction	Max-% Weeds	Max-% Other-Crop	Max-No-seeds of-other-grass
	{b) Pndts	{a) Pndts	{h) spps
	Req	Cert	Req
	----- Cert	----- Req	----- Cert
<b>Bluegrass</b>			
-Sherman	05	3	1/10
			grams
-Canby	05	3	5(d)
			grams
-Kentucky	05	3	5(d)
			grams
-Merion-Kentucky	05	3	5(d)
			grams
-Canada, Upland	05	3	5(d)
			grams
<b>Brome</b>			
-Smooth-Brome	05	3(e)	1/50
			grams
-Meadow-Brome	05	3(e)	1/50
			grams
-Mountain-Brome	3	5	1/50
			grams
Beertongue	50	5(c)	1%

Crop or type of reproduction	Max. % Weeds (b) Fndts Req. Cert.	Max. % Other-Crop Fndts (a) Req. Cert.	Max. No. seeds of other-grass spp. (h) Fndts Req.
Fescue			
-Fall-and-Meadow	*03	*3(e)	*1 *5 2/50 10/50 grams grams
-Hard-and-sheep, Idaho, Red, Fescue	*03	*3(e)	*1 *5 1/50 5/50 grams grams
-Other-Fescue (Chewings)	*03	*3(e)	*1 *5 1/50 5/50 grams grams
Orchardgrass	*03	*3(e)	*1 *5 3/50 10/50 grams grams
Ryegrass	*1	*3(e)	*1 *5 1/50 5/50 grams grams
-Pennfine	*1	*3(e)	*1 *5 1/50 5/50 grams grams
Timothy	*1	*3	*1 *5 1/50 5/50 grams grams
Wheatgrass			
-Beardless	*1	*3(e)	*1(f) *5 1/50 5/50 grams grams
-Blue-Bunch	*1	*3(e)	*1(f) *5 1/50 5/50 grams grams
-Intermediate	*1	*3(e)	*1(f) *5 1/50 5/50 grams grams
-Pubescent	*1	*3(e)	*1(f) *5 1/50 5/50 grams grams
-Western, Streambank	*1	*3(e)	*1(f) *5 1/50 5/50 grams grams
-Crested, and Siberian	*1	*3(e)	*1(f) *5 1/50 5/50 grams grams
-Slender	*1	*3(e)	*1(f) *5 1/50 5/50 grams grams
-Tall	*1	*3(e)	*1(f) *5 1/50 5/50 grams grams
Indian-Ricegrass	*3	*5	*5 1*0 1/50 5/50 grams grams
Puccinellia			
-distans	*3	*5	*5 1*0 1/10 1/1 grams grams
Basin-Wildrye-and-Russian-Wildrye	*1	*3(e)	*1 *5 1/50 5/50 grams grams
Bentgrass	*3(g)	*4(g)	*2 *6
Redtop	*3(g)	*5(g)	*5 2
Ann-Canarygrass	*1	*3	1/1b 3/1b

WAC 16-316-370 SEED STANDARDS

CROP AND TYPE OF REPRODUCTION AS PER WAC 16-316-360	MINIMUM % GERM (e)		MINIMUM % PURE		MAXIMUM % INERT		MAXIMUM % WEEDS (b)		MAXIMUM % OTHER CROPS		MAXIMUM SEEDS OF OTHER GRASS SPECIES			
	FNDT. REG.	CERT.	FNDT. REG.	CERT.	FNDT. REG.	CERT.	FNDT. REG.	CERT.	FNDT. REG.	CERT. (j)	FNDT. REG. (a)	CERT.	FNDT. REG. Seeds / Lb.	CERT. %
BLUEGRASS	(A) Sherman	70	70	90	90	10	10	.05	.3	.1	.5	45 /Lb.	454 /Lb.	.25
	(A) Canby	70	70	90	90	10	10	.05	.3	.1	.5	45 /Lb.	454 /Lb.	.25
	(A) Kentucky	80	80	97	97 (d)	3	3	.05	.3	.1	.5 (d)	45 /Lb.	454 /Lb.	.25
	(A) Merion Kentucky	80	80	92	92 (d)	8	8	.05	.3	.1	.5 (d)	45 /Lb.	907 /Lb.	.25
	(A) Canada, Upland	80	80	96	92 (d)	4	8	.05	.3	.1	.5 (d)	45 /Lb.	454 /Lb.	.25
BROMEGRASS	(C) Smooth Brome	80	85	95	95	5	5	.05	.3 (c)	.1	.5	9 /Lb.	91 /Lb.	.25
	(C) Meadow Brome	80	85	95	95	5	5	.05	.3 (c)	.1	.5	9 /Lb.	91 /Lb.	.25
	(S) Mountain Brome	85	85	95	95	5	5	.3	.3 (c)	.5	1.0	9 /Lb.	91 /Lb.	.25
DEERTONGUE	(C)	50	50	97	95	3	5	.50	.5 (c)	1.0	1.0	1%		
FESCUE	(C) Tall & Meadow	80	85	95	97	5	3	.03	.3 (c)	.1	.5	18 /Lb.	19 /Lb.	.25
	(C) Hard & Sheep Fescue,	80	85	95	95	5	5	.03	.3 (c)	.1	.5	9 /Lb.	45 /Lb.	.25
	(C) Other Fescue,	80	90	95	95	5	5	.03	.3 (c)	.1	.5	9 /Lb.	45 /Lb.	.25
	(C) Chewings, Red, Idaho	80	85	85	90	15	10	.03	.3 (c)	.1	.5	27 /Lb.	91 /Lb.	.25
ORCHARDGRASS	(C)	80	85	85	90	3	3	.1	.3	.1	.5	9 /Lb.	45 /Lb.	.25
RYEGRASS	(C) Pennine'	85	90	96 (l)	97 (l)	4	3	.1	.3 (c)	.1	.5	9 /Lb.	45 /Lb.	.25
	(C) Pennine'	80	85	96 (l)	97 (l)	4	3	.1	.3 (c)	.1	.5	9 /Lb.	45 /Lb.	.25
TIMOTHY	(C)	80	85	97	97	3	3	.1	.3	.1	.5	9 /Lb.	45 /Lb.	.25
WHEATGRASS	(C) Beardless	80	85	90	90	10	10	.1	.3 (c)	.1 (f)	.5 (f)	9 /Lb.	45 /Lb.	.25
	(C) Bluebunch	80	85	90	90	10	10	.1	.3 (c)	.1 (f)	.5 (f)	9 /Lb.	45 /Lb.	.25
	(C) Intermediate	80	85	95	95	5	5	.1	.3 (c)	.1 (f)	.5 (f)	9 /Lb.	45 /Lb.	.25
	(C) Pubescent	80	85	95	95	5	5	.1	.3 (c)	.1 (f)	.5 (f)	9 /Lb.	45 /Lb.	.25
	(C) Western, Streambank,	80	85	90	90	10	10	.1	.3 (c)	.1 (f)	.5 (f)	9 /Lb.	45 /Lb.	.25
	(C) Thicksipike	80	85	90	90	10	10	.1	.3 (c)	.1 (f)	.5 (f)	9 /Lb.	45 /Lb.	.25
	(C) Crested & Siberian	80	85	90	95	10	5	.1	.3 (c)	.1 (f)	.5 (f)	9 /Lb.	45 /Lb.	.25
	(S) Slender	80	85	90	95	10	5	.1	.3 (c)	.1 (f)	.5 (f)	9 /Lb.	45 /Lb.	.25
(C) Tall	80	85	95	95	5	5	.1	.3 (c)	.1 (f)	.5 (f)	9 /Lb.	45 /Lb.	.25	
INDIAN RICEGRASS	(C)	80 (k)	80 (k)	95	90	5	10	.3	.5	.5	1.0	9 /Lb.	45 /Lb.	.25
PUCCINELLIA distans	(C)	80	80	95	95	5	5	.3	.5	.5	1.0	45 /Lb.	454 /Lb.	.25
BASIN, & RUSSIAN WILD RYE	(C)	80	80	90	90	10	10	.1	.3 (c)	.1	.5	9 /Lb.	45 /Lb.	.25
BENTGRASS	(C)	85	85	98	98	2	2	.3	.4 (g) (h)	.2	.6 (i)			
REDTOP	(C)	80	80	92	92	8	8	.3	.5 (g)	.5	.2			
Ann. CANARYGRASS	(C)	85	85	99	99	1	1	.1	.3	1/Lb.	3/Lb.			

TABLE NOTES -

- (a) Not to exceed 0.25% other grass species for blue tag seed.
- (b) Grass seed shall not contain more than 45 per pound for registered seed, 91 per pound for blue tag seed, singly or collectively, of objectionable weed seeds. (See current general rules.) (See (g) below for blue tag Bentgrass and Redtop exception). Grass seed shall be free of the seed of prohibited noxious weeds.
- (c) A tolerance of 0.5% may be allowed for samples containing weedy bromus spp.: PROVIDED, That the total of all other weed seeds does not exceed 0.3%.
- (d) Common Kentucky Bluegrass limited to 3% in blue tag Merion and all varieties of Canada Bluegrass, and 2% all other varieties of Kentucky Bluegrass.
- (e) A standard tetrazolium (two hundred seed) test may be used in lieu of germination test.
- (f) A tolerance of 0.8% may be allowed in registered and blue tag wheatgrass containing small grain seed: PROVIDED, That the total of all other crop seed does not exceed 0.1% for registered class and 0.5% for blue tag class.
- (g) Blue tag seed shall not contain over 907 seeds per pound, singly or collectively, of the following weeds: Plantago spp., Big Mouse-ear Chickweed, Yarrow, Spotted Cat's Ear, and Dandelion.
- (h) A maximum of 0.5% weed seed may be allowed in blue tag bentgrass containing silver hairgrass: PROVIDED, That the total of all other weed seed does not exceed 0.4%.
- (i) 1.5% other fine bentgrasses and 0.5% redtop may be allowed in blue tag bentgrass containing a minimum of 98% total bentgrass.
- (j) A crop exam is required for all registered and foundation class grass seeds.
- (k) Or 70% by TZ test.
- (l) Maximum other ryegrass allowed as determined by fluorescence test: foundation= 0.1%, registered= 1%, blue tag= 2% for annual and 3% for perennial. Acceptable fluorescence levels for specific varieties available upon request.

SEE ILLUSTRATION  
(WAC 16-316-370, Table)

The following (a)-~~((f))~~ (l) are notes to the above table.

(a) Not to exceed twenty-five hundredths of one percent other grass species for ~~((certified))~~ blue tag seed.

(b) Grass seed shall not contain more than forty-five per pound for registered seed, ninety-one per pound for blue tag seed, singly or collectively, of objectionable weed seeds. (See current general rules.) (See (g) of this subsection for blue tag bentgrass and redtop exemption.) Grass seed shall be free of the seed of prohibited noxious weeds.

(c) A tolerance of five-tenths of one percent may be allowed for samples containing weedy bromus spp.: PROVIDED, That the total of all other weed seeds does not exceed three-tenths of one percent.

(d) ~~((A three percent tolerance of other Kentucky Bluegrass varieties may be allowed in Merion;--(Note:--Containing minimum ninety-two percent Merion;)--in Canada Bluegrass, three percent Kentucky Bluegrass may be permitted;))~~ Common Kentucky bluegrass limited to three percent in blue tag Merion and all varieties of Canada bluegrass, and two percent in all other varieties of Kentucky bluegrass.

(e) A standard tetrazolium (two hundred seed) test may be used in lieu of germination test.

(f) A tolerance of eight-tenths of one percent may be allowed in registered and ~~((certified))~~ blue tag wheatgrass containing small grain seed: PROVIDED, That the total of all other crop seed does not exceed one-tenth of one percent for registered class and five-tenths of one percent for ~~((certified))~~ blue tag class.

(g) Blue tag seed shall not contain over nine hundred seven seeds per pound, singly or collectively, of the following weeds: ~~((Plaintain))~~ Plantago spp., Big Mouse-ear Chickweed, Yarrow, Spotted Cat's Ear, and Dandelion.

~~((fi))~~ (h) A maximum of .50 percent weed seed may be allowed in blue tag bentgrass containing silver hairgrass: PROVIDED, That the total of all other weed seed does not exceed .40 percent.

~~((fii))~~ (i) 1.50 percent other fine bentgrasses and .50 percent redtop may be allowed in ~~((certified))~~ blue tag bentgrass containing a minimum of 98.00 percent total bentgrass.

~~((fiii))~~ (j) A crop exam is required for all registered and foundation class grass seeds.

~~((fiv))~~ (k) Or seventy percent by Tz test.

(l) Maximum other ryegrass allowed as determined by fluorescence test: Foundation = one-tenth of one percent, registered = one percent, blue tag = two percent for annual and three percent for perennial. Acceptable fluorescence levels for specific varieties available upon request.

#### AMENDATORY SECTION (Amending Order 1744, filed 7/10/81)

WAC 16-316-470 CHICK PEA, FIELD PEA, LENTIL, SOYBEAN, SORGHUM AND SMALL GRAINS SEED CERTIFICATION STANDARDS. The general seed certification standards are basic and together with the following specific standards constitute the standards for seed certification of chick pea (garbanzo beans), field pea, lentil, soybean, sorghum, and small grains.

#### AMENDATORY SECTION (Amending Order 2041, filed 6/5/90, effective 7/6/90)

WAC 16-316-474 CHICK PEA--FIELD PEA--LENTIL--SOYBEAN--SORGHUM--SMALL GRAIN--APPLICATION AND FEES. (1) An application for seed certification with application fee, field inspection fee, and late application fee (if due) for each field shall be filed by or for each grower with Washington State Crop Improvement Association, Inc., the certifying agency for seeds of chick pea (garbanzo beans), field pea, lentil, soybean, sorghum and small grains.

(2) Due dates:

(a) Field pea - June 1

(b) Lentil - June 1

(c) Soybean - July 1

(d) Sorghum - July 15

(e) Small grains - June 1 for both winter varieties and spring varieties.

(f) After due date, an application with late application fee may be accepted for service.

- (3) Fees:
- (a) Application fee per variety per grower..... \$15.00
  - (b) Field inspection fee per acre..... \$ 2.10
  - (c) Special field inspection fee per acre..... \$ 2.00
  - (d) Late application fee..... \$15.00
  - ~~((d))~~ (e) Reinspection fee..... \$30.00

minimum for each field which did not pass field inspection plus \$ 0.40 for each acre over twenty-five. The reinspection fee for isolation requirements only for a field of any size is \$30.00.

- ~~((e))~~ (f) Final certification fee..... ~~(\$-0.17)~~  
\$ 0.19

per cwt. of clean seed sampled, which shall be charged to conditioning plant, or production fee..... \$ 0.10

per cwt. of production from fields inspected which is utilized for seed, which shall be charged to the grower or the final seller prior to brokerage, retail sale, sale to plant not approved for conditioning certified seed, or transshipment out-of-state.

- ~~((f))~~ (g) Sampling fee..... \$ 0.10

per cwt. of clean seed sampled, with minimum charge of ten dollars per sample, which shall be charged to conditioning plant in lieu of mechanical sampling.

(4) A field may be withdrawn upon notification by the applicant to the certifying agency's office before field inspection. In such case, the field inspection fee shall be refunded upon request until June 30 of the year following harvest.

(5) Harvest before field inspection causes forfeitures of both the application and field inspection fees, and completion of certification.

AMENDATORY SECTION (Amending Order 2041, filed 6/5/90, effective 7/6/90)

WAC 16-316-525 FIELD PEA--LENTIL--SOYBEAN--SORGHUM--SMALL GRAIN--ELIGIBLE VARIETY AND STOCK SEED.

Kind	Variety
Barley, spring	<del>((Advance))</del> Belford, <del>((Andre))</del> Camelot (P), Columbia (P), Coughbar, Crystal, <del>((Flynn-Gus--(P)))</del> Exel, Gallatin, Harrington, Klages, <del>((Kombat--(P))</del> <del>Lindy--(P))</del> Horsford, Menuet (P), <del>((Morex--Nova</del> <del>(P)--Odyssey--(P)--Onda--(P)--Poco--(P))</del> Russell, <del>((Seven--(P))</del> Steptoe, WestBred Gustoe (P), WestBred Medallion (P), WestBred Sprinter (P), Whitford (P)
Barley, winter	Boyer, <del>((Hesk))</del> Hundred, Kamiak, <del>((Mat--Seie))</del> Showin
Oat, spring	<del>((Appaloosa--Border--Gayuse))</del> Monida, Otana, Park,
Rye, winter	Puma, Rymin
Wheat, spring	<del>((Bliss--Bronze-Chief--(P)--Copper--Ezat--(P))</del> Centennial, Dirkwin, Edwall, Fielder, <del>((Landmark</del> <del>(P)--McKay))</del> Nomad (P), Owens, Penawawa, Spillman, <del>((Tammy--(P))</del> Treasure, Wadual, Wakanz, Wampum, <del>((Ward--Waverly--WestBred--881--(P))</del> WestBred 906R (P), WestBred 911 (P), WestBred 926 (P), WestBred Sprite, <del>((WS-1--(P))</del> Yecora Rojo



Kind Variety  
 Wheat, winter Andrews, Basin (P), Batum, Buchanan, Cashup (P),  
 ((Erew)) Daws, Dusty, Hatton, Hill-81, Hyak, John,  
 Lewjain, Madsen, Malcolm, ((McCall)) Moro,  
 Nugaines, Sprague, Stephens, Syringa, Tres, Tye,  
 ((Wanser)) Weston

Triticale, spring Juan, ((Whitman)) Victoria, Grace

Triticale, winter Flora, XR066A (P), Stan I (P)

(P) means proprietary

The eligibility of other varieties may be approved by the certifying agency.

Foundation seed is eligible to produce registered seed or certified seed.

Registered seed is eligible to produce certified seed.

Certified seed is not eligible for recertification.

AMENDATORY SECTION (Amending Order 2089, filed 6/20/91, effective 7/21/91)

WAC 16-316-622 RYEGRASS STANDARDS. Seed standards for sod quality ryegrass seed are as follows:

Variety	Min-imum Purity	Min-imum Germination	Maxi-mum Other Crop*	Maxi-mum*** Weed
Ryegrass**	98%	90%	0.10%	.02%

\*Must be free of orchardgrass, timothy, bentgrass, big bluegrass, *Poa trivialis*, brome, rattail fescue, reed canarygrass, tall fescue, clover and meadow foxtail. Maximum allowable Canada bluegrass 0.02%.

\*\*Maximum fluorescence levels as determined by breeder or variety owner.

\*\*\*Must be free of dock, chickweed, crabgrass, plantain, black medic, annual bluegrass, velvetgrass, short-awn foxtail, and prohibited noxious weed seeds. An additional 0.07% of weedy bromus spp. will be allowed.

AMENDATORY SECTION (Amending Order 2089, filed 6/20/91, effective 7/21/91)

WAC 16-316-715 MISCELLANEOUS FIELD AND SEED INSPECTION STANDARDS. (1) The field inspection will be made:

(a) For field pea and chick pea (garbanzo bean) - when seedcrop is in full bloom and at maturity;

(b) For lentil - when seedcrop is in full bloom and at maturity;

(c) For soybean - when seedcrop is in full bloom and/or of mature color;

(d) For sorghum - when seedcrop is in full bloom, and optionally again when seedcrop begins to show mature color;

(e) For small grains - when seedcrop is fully headed and of mature color.

(2) Any condition or practice which permits or causes contamination of the seedcrop, such as failure to prevent seed formation in bindweeds, Canada thistle or jointed goatgrass, or excess weeds, or mechanical field mixing, shall be cause for rejection upon inspection for field standards. Fields rejected for jointed goatgrass at first inspection are not eligible for reinspection and shall remain ineligible for any production of certified classes of small grain seed until a reclamation procedure, as specified in subsection (3) of this section has been completed. Fields rejected for other causes will remain eligible for reinspection.

(3) The jointed goatgrass reclamation procedure shall include the following:

(a) Each grower shall develop a reclamation plan for his/h affected fields. Such a plan shall be based on the most current recommendations of Pacific Northwest scientists and Washington State University cooperative extension as well as good management practices. Such plan may include use of certified seed, spring cropping practices, and late tilling and planting. No particular program is specified or endorsed and compliance with such program does not assure eligibility for the production of certified classes of small grain seed. Such eligibility shall be based solely upon results of field inspections as provided in (b) through (e) of this subsection.

(b) The rehabilitation and inspection program duration shall be three years for irrigated land and five years for dryland without production of certified small grain seed and the first year of certified seed production thereafter.

(c) Annual inspections of the affected fields shall be conducted by the Washington State Crop Improvement Association (WSCIA) during the prescribed rehabilitation period at such time that the jointed goatgrass would be most visible.

(d) Following the prescribed period of rehabilitation and during the first certified seed production year, a minimum of three field inspections shall be conducted by WSCIA.

(e) Should jointed goatgrass be found during any inspection as provided in (c) and (d) of this subsection, the rehabilitation program shall be determined to be unsuccessful or the field shall be declared ineligible and the rehabilitation and inspection program for that field shall begin again at year one of the procedure.

(4) No prohibited noxious weed seeds are permitted upon inspection for seed standards.

(5) Germination minimum refers to germination when sampled.

(6) If chemically controllable seed-borne diseases are noted upon inspection for field standards and seed standards for small grains, treatment of seed is required.

AMENDATORY SECTION (Amending Order 1744, filed 7/10/81)

WAC 16-316-717 FIELD PEA STANDARDS. (1) Field pea - land, isolation, and

CLASS	LAND	ISOLATION	FIELD
	MINIMUM YEARS	MINIMUM FEET	OFF-TYPE MAXIMUM PLANTS/ACRE
Foundation	5*	(3) <u>100**</u>	None
Registered	3*	(3) <u>100**</u>	10
Certified	2*	(3) <u>25**</u>	20

Field standards:

OTHER CROP  
MAXIMUM  
PLANTS/ACRE

None found\*\*\*

None found\*\*\*

((5\*\*)) None found\*\*\*

\*\* Reduce to three feet from fields producing a certified class of the same pea field for certification must be isolated from small grain fields by the field mixing of swathed field pea seedcrop, the planting of small grain for three feet of isolation, is recommended.

\* Also required is minimum number of years the following crop kinds were out

	NUMBER MI
	((Lentil))
Foundation	((5))
Registered	((3))
Certified	((2))

\*\*\* ((Refers-to-vetch,-except-that)) No Austrian pea or rye is permitted.

(2) Field pea - seed standards:

CLASS	OFF-TYPE MAXIMUM SEEDS/LB	PURE SEED MINIMUM %	INERT MAXIMUM %	OTHER CROP MAXIMUM SEEDS/LB
Foundation	None	99.00	1.00	None
Registered	None	99.00	1.00	None
Certified	1	99.00	1.00	3*

\* No Austrian pea or rye is permitted.

\*\* Other tolerance for weed seed:

	OBJECTIONABLE WE MAXIMUM
Registered	1/lb
Certified	2/lb

AMENDATORY SECTION (Amending Order 1744, filed 7/10/81)

WAC 16-316-719 LENTIL STANDARDS. (1) Lentil - land, isolation, and field

CLASS	LAND MINIMUM YEARS	ISOLATION MINIMUM FEET	FIELD OFF-TYPE MAXIMUM PLANTS/ACRE
Foundation	5	((300)) 100*	None <u>found</u>
Registered	4	((20)) 100*	10
Certified	3	((20)) 25*	((30)) 20

\* Reduce to three feet from fields producing a certified class of the same field for certification must be isolated from small grain fields by the field mixing of swathed lentil seedcrop, the planting of small grain three feet of isolation, is recommended.

\*\* Refers to barley and vetch, each.

ety. In addition, each field  
feet. To prevent mechanical  
ween field pea fields, except

production((+)).

YEARS

JM  
Austrian pea  
10  
10  
10

---

WEED MAXIMUM %	GERMINATION MINIMUM %
None	((90-00)) <u>85</u>
0.25**	((90-00)) <u>85</u>
0.25**	((90-00)) <u>85</u>

SEED

standards.

OTHER CROP  
MAXIMUM  
PLANTS/ACRE  
  
None found  
10\*\*  
((30)) 20\*\*

ety. In addition, each lentil  
feet. To prevent mechanical  
ween lentil fields, except for

(2) Lentil - seed standards:

CLASS	OFF-TYPE MAXIMUM SEEDS/LB	PURE SEED MINIMUM %	INERT MAXIMUM %	OTHER CROP MAXIMUM %
Foundation	None	99.00*	1.00*	None
Registered	1	99.00*	1.00*	0.05**
Certified	4	99.00*	1.00*	0.10**

\* A total of three percent inert matter will be allowed in samples containing a total of all other inert matter does not exceed one percent.  
 \*\* No vetch is permitted.  
 \*\*\* Other tolerance for weed seed:

	OBJECTIONABLE MAXIMUM
Registered	1/lb
Certified	2/lb

AMENDATORY SECTION (Amending Order 1758, filed 3/31/82, effective 5/1/82)

WAC 16-316-727 CHICK PEA STANDARDS. (1) Chick pea - land, isolation, and

CLASS	LAND MINIMUM YEARS	ISOLATION MINIMUM FEET	OFF-TYPE MAXIMUM PLANTS/ACRE	OTHER CROP MAXIMUM PLANTS/ACRE
Foundation	3	((3)) <u>100*</u>	None	None**
Registered	((2)) <u>3</u>	((3)) <u>100*</u>	10	10**
Certified	1	((3)) <u>25*</u>	20	20**

\*\*Refers to vetch except that no Austrian pea or rye is permitted

(2) Chick pea - seed standards:

CLASS	OFF-TYPE MAXIMUM SEEDS/LB	PURE SEED MINIMUM %	INERT MAXIMUM %	OTHER CROP MAXIMUM SEEDS/LB
Foundation	None	99.00	1.00	None
Registered	None	99.00	1.00	None
Certified	1	99.00	1.00	*

\* No vetch, Austrian pea or rye is permitted.  
 \*\* Other tolerance for weed seed:

	OBJECTIONABLE MAXIMUM
Registered	1/lb
Certified	2/lb

WEED  
MAXIMUM  
%

GERMINATION  
MINIMUM  
%

None  
0.05\*\*\*  
0.05\*\*

85.00  
85.00  
85.00

ing decorticated seed provided

D SEED

Field standards:

ASCOCHYTA  
BLIGHT

None

None

None

WEED  
MAXIMUM  
%

GERMINATION  
MINIMUM  
%

None  
0.25\*\*  
0.25\*\*

85.00  
85.00  
85.00

ED SEED

AMENDATORY SECTION (Amending Order 2089, filed 6/20/91, effective 7/21/91)

WAC 16-316-800 GRASS VARIETIES ELIGIBLE. (1) Following are the grass varieties eligible and the certifying scheme for each:

Bentgrass: (subject to poa annua quarantine)	Seaside Creeping*** Putter Creeping* Emerald Creeping** <u>Carmen Creeping*</u> <u>Cobra Creeping**</u> <u>Tracenta Colonial*</u>
Big Bluegrass:	Sherman**
Canada Bluegrass: (subject to poa annua quarantine)	Reubens**
Canby Bluegrass:	Canbar**
Kentucky Bluegrass: (subject to poa annua quarantine)	A-34 (Bensun)** Abbey** Able 1** Adelphi** Alene* Alpine* Amason* (Amazon*) America* Ampellia* Argyle** Aspen* <u>Asset**</u> Banff** Barblue*pvv Baron** Birka* Bono (Birdie)* Bronco* Chateau** Cheri (Golf)* Classic** <u>Cocktail**</u> Coventry** Cynthia* Destiny* Dawn* Eclipse* Enmundi*pvv Estate* Freedom* Fylking** Georgetown** Geronimo* Glade** Greenley* Haga* Harmony* Holiday* Huntsville* Ikone**



Julia\*  
 Kelly\*  
 Kenblue\*  
 Kyosti\*  
 Leikra\*  
 Liberty\*\*  
 Limosine\*  
 Majestic\*\*  
 Merion\*\*  
Minstrel\*\*  
 Monopoly\*  
 Mystic\*  
 Nassau\*\*  
 Newport\*\*  
 Nugget\*  
 Nustar\*  
 Nutop\*  
 Parade\*  
 Park\*\*  
 Paso\*  
 Pennstar\*  
 Plush\*  
 Princeton 104\*  
 Ram I\*pvv  
 Ronde\*  
 Rugby\*  
 Scenic\*  
 Suffolk\*  
 Summit\*  
 Swing\*  
 Sydsport\*  
 S-21\*\*  
 Tendos\*  
 Touchdown\*\*  
 Trenton\*  
 Troy\*\*  
 Wabash\*  
Washington\*  
 Welcome\*  
 1757\*

Rough Bluegrass:

Colt\*

Meadow Brome:

Regar\*\*

Mountain Brome:

Bromar\*\*

Smooth Brome:

Baylor\*  
 Beacon\*  
 Bravo\*  
 Cottonwood\*  
 Jubilee\*  
 Manchar\*\*  
 Rebound\*  
 Saratoga\*  
 York\*

Fescue:  
 (subject to poa annua  
 quarantine - except tall  
and meadow  
 fescue)

Countess Chewings\*\*pvv  
 Amigo Tall\*  
 Arid Tall\*  
 Atlanta Chewings\*  
 Avanti Tall\*\*  
 Barcel Tall\*\*pvv  
 Barfalla Chewings\*\*  
 ((~~Barfalla-Chewings\*\*~~))  
 Baruba Chewings\*  
 Dover Chewings\*

Durar Hard\*\*  
 Finelawn 1((-))Tall\*\*  
 Joseph Idaho\*\*  
 Mary Chewings\*  
 Nezpurs Idaho\*pvvV  
 Logro Red\*\*pvvV  
 Chesapeake Tall\*  
 Manade Tall\*  
 Mesa((-))Tall  
 MX-86 Sheep\*  
 Rebel Tall\*  
 5 DM Tall\*  
 88001 Red\*\*  
 Safe Tall\*  
 Southern Cross Tall\*  
 Covar Sheep\*\*  
 Fawn Tall\*  
 Beaumont Meadow\*  
 First Meadow\*\*  
 Forager Tall\*  
 Wrangler((-))Tall\*  
 Biljart Hard\*  
Montauk Tall\*\*  
Silvana Hard\* pvvV  
 Adventure Tall\*\*

## Orchardgrass:

Hay King\*  
 ((Hay-King-II\*))  
 Latar\*\*  
 Natsumidori (({summer-green}\*))  
 Paiute\*\*  
 Pennlate\*  
 Potomac\*

## Redtop:

Streaker\*

## Indian Ricegrass:

Nezpar\*\*

Perennial Ryegrass:  
 (subject to poa annual  
 quarantine)

Advent\*  
 All\*Star\*\*  
 Dandy\*  
 Delray\*  
 Friend\*\*pvvV  
 Goalie\*  
 NK 200\*\*  
 Pennfine\*  
 Ranger\*\*  
 Target\*  
 89001\*

## Puccinellia distans:

Fults\*

## Timothy:

Clair\*  
 Climax\*  
 Hokuo\*  
 Hokusen\*  
 Kempus\*  
 Kunpu\*  
 Nosappu\*  
 Promesse\*  
 Senpoku\*

## Wheatgrass:

Whitmar Beardless\*\*  
 Secar Bluebunch\*\*  
 Fairway Crested\*  
 Ruff Crested\*  
 Nordan Crested\*\*

Ephraim Crested\*\*  
 Greenar  
     Intermediate\*\*  
 Oahe Intermediate\*  
 Tegmar Intermediate\*  
 Greenleaf Pubescent\*  
 Luna Pubescent\*\*  
 Topar Pubescent\*\*  
 P-27 Siberian\*\*  
 Sodar Streambank\*\*  
 Critana Thickspike\*\*  
 Alkar Tall\*\*

Basin Wild Rye:

Magnar\*\*

Russian Wild Rye:

Bozoisky Select\*\*

(2) Variety restrictions.

	NO. OF SEED HARVESTS		
	FOUNDATION	REGISTERED	CERTIFIED
(a) Kentucky Bluegrass:			
<u>Asset</u>	5	5	5
Baron	5		5
Birka	2 + 3 Cert.		5
<u>Cocktail</u>	5	5	5
Enmundi	4		5
Georgetown	5		5
Geronimo	6		6
Kenblue	5		7
Majestic	3 + 5 Cert.		5
<u>Minstrel</u>	5	5	5
Parade	5		5
Ram-I	2		6
Rugby	3 + 2 Cert.		5
Sydsport			5
Touchdown	2 + 5 Cert.		5
(b) Orchardgrass:			
Pennlate	3		6

AMENDATORY SECTION (Amending Order 2005, filed 5/22/89)

WAC 16-316-810 RED CLOVER VARIETIES ELIGIBLE. (1) Following are the red clover varieties eligible and the certification scheme for each:

- Arlington\*
- Atlas\*
- Chesapeake\*
- Flare\*
- Florex\*
- Florie\*
- Hamidori\*
- Hamidori 4N\*
- Hayakita\*
- Kenland\*
- Kenstar\*pvvV
- Lakeland\*
- Marathon\*
- Persist\*
- Prosper I\*
- Redland\*pvvV

Redland II\*  
 Redman\*  
 Reddy\*  
 Ruby\*\*  
 Sapporo\*  
 Tristan\*

(2) Variety restrictions. Kenstar: No seed production permitted year of seeding.

AMENDATORY SECTION (Amending Order 2041, filed 6/5/90, effective 7/6/90)

WAC 16-316-815 OTHER CLOVER VARIETIES. Following are the other clover varieties eligible and the certification scheme for each:

White Clover:	Star*
	Aran**pvpV
	Barbian*
<u>Crimson Clover:</u>	<u>Chief**</u>
<u>Ladino Clover:</u>	<u>Merit**</u>

AMENDATORY SECTION (Amending Order 2089, filed 6/20/91, effective 7/21/91)

WAC 16-316-820 ALFALFA VARIETIES ELIGIBLE. (1) Following are the alfalfa varieties eligible and the certification scheme for each:

Agate\*  
 Anchor\*  
 Anstar\*  
 Answer\*  
 Aquarius\*  
 Apollo II\*  
 Armor\*  
Armona\*  
 Arrow\*  
 Atlas\*  
 Atra-55\*  
 Baker\*pvpV  
 Big Ten\*  
 Blazer\*  
Break-Thru\*\*  
 Centurion\*  
 Challenger\*  
 Chief\*\*  
 Cimarron\*  
 Cimarron VR\*  
 Classic\*  
 ((Commander\*))  
Commandor\*  
 Crown\*  
 Crown II\*  
 Crusader\*\*  
 DK-125\*  
 DK-135\*  
 Drummor\*  
 ((Eagle\*))  
 Elevation\*

Empress\*\*  
 Endure\*  
 Excalibur\*  
 Gladiator\*  
 G-2815\*  
 G-7730\*  
 GH-737\*\*  
 Hi-Phy\*  
 Honeoye\*pvvV  
 Iroquois\*  
 Julius\*  
 Legend\*  
Madera  
 Magnum III\*  
 ((Maxim\*))  
Maricopa\*  
Mecca\*  
 Mesilla\*\*  
 Mohawk\*  
 Oneida\*pvvV  
 Oneida VR\*  
 Peak\*  
 Perry\*  
 Phytor\*  
 Polar II\*  
 Preserve\*  
 Primal\*  
Promise\*\*  
Quest\*\*  
 Ranger\*\*  
Resistar\*  
 Riley\*  
Royalty\*\*  
 Saranac\*  
 Saranac AR\*pvvV  
 Shenandoah\*  
 Shield\*  
 Sparta\*  
 Spredor 2\*  
 Summit\*  
 Sure\*  
Sutter\*  
 Sverre\*  
 SX-217\*  
 SX-418\*  
Thrive\*\*  
 Trumpetor\*  
 Turbo\*  
 Ultra\*  
 Vernal\*  
 Vancor\*  
 Vernema\*  
 Vista\*  
 ((#t-220\*))  
WAMPR\*  
 Weevlchek\*  
 ((#t-221\*  
 #t-225\*pvvV  
 #t-312\*  
 #t-313\*  
 #t-315\*pvvV  
 #t-316\*pvvV  
 #t-318\*))  
WL-317\*\*  
 WL-320\*\*pvvV  
WL-322 HQ\*\*  
WL Southern Special\*

Wrangler\*  
 Yolo\*  
 88\*  
 120\*  
 123\*  
 130\*  
 521\*  
 520\*  
 526\*  
 530\*  
 531\*  
 532\*  
 581\*  
 5262\*  
 5432\*  
 5373\*  
 5444\*  
 624\*  
 629\*  
 5311\*  
 5331\*  
 5333\*  
 5364\*  
 5472\*  
 98\*  
 G-2841\*  
 Verta\*  
 G-2852\*  
 GH 747\*  
 G-2833\*  
 DK-122\*  
 Bronco\*  
 2890\*  
 Precedent\*  
 Zenith\*  
 VS-775\*  
 Express\*  
 Kitawakaba\*  
 Tachiwakaba\*  
 Vertus\*

## (2) Variety restrictions.

	NO. OF SEED HARVESTS			
	Breeder	Foundation	Registered	Certified
Answer		2		5
Apollo II				3
Baker	2	3		6
Blazer		3		
Break-Thru		3	3	5
Challenger	2	3		5
Chief		3	3	5
Crusader		3	3	5
Drummor	2	3		5
Empress		3	3	5
G-7730		3		5
GH 737		3	3	5
Honeoye		3		6
Iroquois		3		6
Oneida		3		6
Peak		3		
Perry	2	3		6
Preserve	2	3		5
Promise		3	3	5
Polar II	2	3		5
Quest		3	3	5

	NO. OF SEED HARVESTS			
	Breeder	Foundation	Registered	Certified
Resistar	2	3		6
Royalty		3	3	5
Saranac		3		6
Saranac AR		3		6
Spredor 2	2	3		5
Thrive		3	3	5
Trumpetor	2	3		5
Vancor	2	3		5
Vernema		4		6
((WE-224		3		
WE-225		3	3	5
WE-343		3		
WE-345		3		5))
WAMPR	2	3		6
WL-317		3	3	5
WL-322HQ		3	3	5
WL Southern Special				1
WL-320		3	3	5
((WE-346		3		5))
Wrangler				6
120		3		
123		2		4
130		3		5
526		3		5

AMENDATORY SECTION (Amending Order 1976, filed 5/13/88)

WAC 16-316-030 BEAN VARIETIES ELIGIBLE. Following are the bean varieties eligible and the certification scheme for each:

Red Mexican:	NW-59** NW-63** Rufus** U of I 42**
Pinto:	Holberg** Fiesta**pvpV NW-410** NW-590** Nodak** Olathe**pvpV Pindak** U of I 114*** Othello**
Pink:	Gloria** Harold** Roza** Victor** Viva**
Small White:	Chief** Bonus** Aurora**
Kidney:	Royal Red**, Montcalm-Dark Red** Isabella-Light Red*((*)), Kardinal**, Kamiken**
Snap Bean:	Epoch**pvpV
Navy:	Bunsi**, C-20**, Hyden**, Laker**, Norstar**, NW 395**, Seafarer*((*) Duty (Pulsar)**
Great Northern:	Emerson**, Harris**
Black Turtle:	Black Turtle Soup** #39** Black Beauty** Ebony**pvpV, U of I 906**

AMENDATORY SECTION (Amending Order 1976, filed 5/13/88)

WAC 16-316-032 RAPESEED VARIETIES ELIGIBLE FOR CERTIFICATION. Following are the rapeseed varieties eligible and certification scheme for each:

Bridger*	Lindora-oo*
Cascade*	Rubin*
Ceres*	WW-988*
Aspen*	Bolko*
Eclipse*	Excalibur*
Norseman*	Rebel*
Stonewall*	Moneta*
Tapidor*	

AMENDATORY SECTION (Amending Order 1833, filed 6/15/84)

WAC 16-316-833 MISCELLANEOUS CROP VARIETIES ELIGIBLE. Following are the miscellaneous crop varieties eligible and the certification scheme for each:

Burnett	Delar Small Burnett**
Flax	Appar Lewis Flax**
<u>Sudangrass</u>	<u>Piper**</u>
<u>Vetch</u>	<u>Cahaba White**</u>

AMENDATORY SECTION (Amending Order 2088, filed 6/19/91, effective 7/20/91)

WAC 16-316-980 SUDANGRASS CERTIFICATION STANDARDS--((SEEDLING)) APPLICATIONS AND FEES. (1) All applications and fees ((for seedlings)) shall be due within sixty days of planting: PROVIDED, That such applications may be accepted after the due date at the discretion of the director upon payment of the late ((seedling)) penalty fee.

- (2) Fees for certification services shall be as follows:
- (a) ((Seedling)) Application fee, per field..... \$ 15.00
  - (b) Late ((seedling)) penalty fee, per field..... \$ 30.00
  - (c) Inspection fee, per acre..... \$ 1.75
  - (d) Certification fee, per 100 pounds..... \$ ((0.50)) 0.40

AMENDATORY SECTION (Amending Order 2088, filed 6/19/91, effective 7/20/91)

WAC 16-316-995 SUDANGRASS CERTIFICATION STANDARDS--FIELD TOLERANCES. (({+})) Maximum other varieties permitted in field inspection for certification shall be as follows:

- (a) Foundation seed field.....1 plant/ 50,000 plants
- (b) Registered seed field.....1 plant/ 35,000 plants
- (c) Certified seed field.....1 plant/ 20,000 plants

((2)-Requing-to-meet-certification-tolerances-shall-be-allowed: PROVIDED,--That--the--following-tolerances-for-maximum-other-varieties have-not-been-exceeded:

- (a)-Foundation-seed-field.....1-plant/-20,000-plants
- (b)-Registered-seed-field.....1-plant/-10,000-plants
- (c)-Certified-seed-field.....1-plant/-1,000-plants

((3)-Fields-that-have-been-requed-as-provided-in-subsection-(2)-of this-section-shall-be-subject-to-reinspection))



AMENDATORY SECTION (Amending Order 2088, filed 6/19/91, effective 7/20/91)

WAC 16-316-997 SUDANGRASS CERTIFICATION STANDARDS--SEED STANDARDS. ((~~+~~)) Seed inspection standards shall be as follows:

Purity	Class		
	Foundation	Registered	Certified
Pure seed (min)	98.0%	98.0%	98.0%
Inert material (max)	2.0%	2.0%	2.0%
Other crop (max)	0.01%	0.03%	0.08%
Other varieties* (max)	0.005%	0.01%	0.05%
Weed seed (max)	0.10%	0.10%	0.10%
Prohibited or restricted noxious weed seeds	none	none	none
	<u>found</u>	<u>found</u>	<u>found</u>
Germination (min)	85.0%	85.0%	85.0%

\* Other varieties shall not exceed two seeds per pound in the certified ((~~classes~~)) class.

AMENDATORY SECTION (Amending Order 2088, filed 6/19/91, effective 7/20/91)

WAC 16-495-004 ANNUAL BLUEGRASS QUARANTINE--ESTABLISHING QUARANTINE. The seeds of the weed known as annual bluegrass, *Poa annua* and its known strains, hereinafter referred to as annual bluegrass, are objectionable in grass seed; therefore, an annual blue grass quarantine is established to prevent the introduction of annual bluegrass into grass seed production areas, to control seed stocks to be planted for further seed increase, and to assure grass seed growers of a source of seed stock for planting purposes which is tested for presence of annual bluegrass ((free)).

AMENDATORY SECTION (Amending Order 2088, filed 6/19/91, effective 7/20/91)

WAC 16-495-010 ANNUAL BLUEGRASS QUARANTINE--DEFINITIONS. (1) "Person" means a natural person, individual, firm, partnership, corporation, company, society, and association, and every officer, agent, or employee thereof. This term shall import either the singular or the plural as the case may be.

(2) "Department" means the Washington state department of agriculture.

(3) "Director" means the director of the department of agriculture or his duly authorized representative.

(4) "Annual bluegrass" means *Poa annua* and all related subspecies.

(5) (~~"Seed stock" means those seeds which are planted for seed increase or with intent of seed increase;~~

~~(6))~~ "Nursery" means an area of two acres or less in which grass for seed production is seeded in rows with twenty-four inch minimum spacings to facilitate roguing.

~~((7)) "Annual bluegrass" means *Poa annua* and all related subspecies;~~

~~(8))~~ (6) "Seed stock" means those seeds of grasses which are to be planted for seed increase or with intent of seed increase; except this definition does not include: Big bluegrass, upland bluegrass, brome, meadow fescue, tall fescue, oatgrass, orchardgrass, timothy, or wheatgrass.

~~((9))~~ (7) "Official seed laboratory" means a seed testing laboratory approved by the director, such as, but not limited to, Washington State Seed Laboratory, 2015 South First Street, Yakima, Washington; and Oregon State Seed Laboratory, Oregon State University, Corvallis, Oregon.

~~((10))~~ (8) "Representative sample" means a sample drawn in accordance with sampling procedures adopted by the director.

~~((11))~~ (9) "Annual bluegrass analysis certificate" means a test report from an official seed laboratory showing freedom from annual bluegrass ~~((of))~~ based on a 10 gram sample for bentgrass or redtop; and a 25 gram sample for ~~((bluegrass; 25-gram-sample-for))~~ other grasses.

~~((12))~~ (10) "Quarantine tag" means a tag issued by Washington state department of agriculture to be sealed to each bag showing said seed has met quarantine requirements.

AMENDATORY SECTION (Amending Order 2088, filed 6/19/91, effective 7/20/91)

WAC 16-495-050 ANNUAL BLUEGRASS QUARANTINE--CONDITIONS GOVERNING MOVEMENT OF REGULATED ARTICLES. (1) No seed stock shall be shipped, transported, ~~((or))~~ moved in, or into the annual bluegrass quarantine regulated area unless such seed stock is accompanied by a test report from an official laboratory showing said seed stock is free of annual bluegrass on the basis of a minimum ~~((25))~~ 10 gram analysis for ~~((bluegrasses-and-bentgrasses))~~ bentgrass and a minimum of 25 gram analysis for other grasses: PROVIDED, That seed stock found to contain annual bluegrass may be planted in the regulated area if planted in a nursery under an inspection program as established by the state department of agriculture.

(2) This quarantine shall not apply to seed sown for forage or turf.

(3) This quarantine shall not apply: To experiments or trial grounds of the United States Department of Agriculture; to experiments or trial grounds of Washington State University experiment station; or to trial grounds of any person, firm, or corporation; provided said trial ground plantings are approved by the director and under supervision of technically trained personnel familiar with annual bluegrass control.

(4) Any person shipping, moving or transporting any seed stock for planting purposes in or into the regulated area that is not tagged with official "annual bluegrass quarantine" tags shall:

(a) State where and when seed stock can be sampled for the required annual bluegrass test; or

(b) Have attached a copy of the official laboratory analysis showing freedom from annual bluegrass; or

(c) Have representative sample submitted for testing.

AMENDATORY SECTION (Amending Order 2088, filed 6/19/91, effective 7/20/91)

WAC 16-495-110 ANNUAL BLUEGRASS QUARANTINE--VIOLATION PROCEDURES. (1) A person who ~~((violates))~~ is alleged to have violated the annual bluegrass quarantine shall meet with a representative of the ~~((seed-branch))~~ department to determine:

(a) If a violation actually occurred;

(b) How it did occur, and what corrective measures can be taken to avoid reoccurrence;

(c) How much acreage is involved and location of all plantings.

(2) Corrective procedures shall be agreed upon, such as roquing, chemical treatment, etc., and the time frame for such work, or agreement for voluntary destruction of all acreage involved.

(3) Treated and roqued acreage shall be inspected by department of agriculture three times during the seedling stages to assure freedom from annual bluegrass. The violator will be assessed an hourly inspection fee and a mileage fee where additional mileage is involved.

(4) Failure to mutually agree, or failure to comply with these procedures, or if it is determined the violation was willful, will be referred to the attorney general for criminal and/or civil penalty action.