



RULE-MAKING ORDER
(RCW 34.05.360)

CR-103 (10/1/89)

Agency: **Agriculture**

- Permanent Rule
- Emergency Rule

(1) Date of adoption: **November 23, 1993**

(2) Purpose:
To clarify small grain and other crop certification field and seed inspection rules.

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

- Repealed:
- Amended: **WAC 16-316**
- Suspended:

(4) Authority for adoption:
Statute: **Chapter 15.49 RCW, Seeds**
Other Authority:

(5.1) **PERMANENT RULE ONLY**
Pursuant to notice filed as WSR **93-19-124** **93-23-063** on **11/16/93 LM** **9/21/93** (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 **Emergency Rules**
 31 days after filing Immediately
 Other (specify) _____ * Later (specify) _____
*(If less than 31 days after filing, specific finding in 5.3 under RCW 34.05.380(3) is required)

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NAME (TYPE OR PRINT)
James M. Jesernig

SIGNATURE
James M. Jesernig

TITLE
Director

DATE
11/23/93

AMENDATORY SECTION (Amending Order 2093, filed 6/9/92, effective 7/10/92)

WAC 16-316-470 Buckwheat, chick pea, field pea, lentil, millet, 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 buckwheat, chick pea (garbanzo beans), field pea, lentil, millet, soybean, sorghum, and small grains.

AMENDATORY SECTION (Amending Order 2093, filed 6/9/92, effective 7/10/92)

WAC 16-316-474 Buckwheat--Chick pea--Field pea--Lentil--Millet--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 buckwheat, chick pea (garbanzo beans), field pea, lentil, millet, soybean, sorghum and small grains.

(2) Due dates:

(a) Buckwheat - June 1

~~((b))~~ (b) Field pea - June 1

~~((c))~~ (c) Chickpea - June 1

~~((d))~~ (d) Lentil - June 1

~~((e))~~ (e) Millet - June 1

~~((f))~~ (f) Soybean - July 1

~~((g))~~ (g) Sorghum - July 15

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

~~((i))~~ (i) 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 except millet and hybrid sorghum \$ 2.10

(c) Millet - first acre \$25.00
- each additional acre \$ 5.00

(d) Hybrid sorghum - first acre \$25.00
- each additional acre \$10.00

(e) Special field inspection fee per acre \$ 2.00

~~((f))~~ (f) Late application fee \$15.00

~~((g))~~ (g) 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.

((f)) (h) Final certification fee \$ 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.

((g)) (i) 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 2093, filed 6/9/92, effective 7/10/92)

WAC 16-316-525 Buckwheat--Chickpea--Field pea--Lentil--Millet--Soybean--Sorghum--Small grain--Eligible variety and stock seed.

<u>Kind</u>	<u>Variety</u>
Barley, spring	Belford, Camelot (P), Columbia (P), Cougar, Crest, Crystal, Exel, Gallatin, Harrington, Klages, Horsford, Menuet (P), Melody (P), Meltan (P), Nancy (P), Russell, Steptoe, Baronesse (P), WestBred Gustoe (P), WestBred Medallion (P), WestBred Sprinter (P), Whitford (P)
<u>Chickpea</u>	<u>Sara</u>
Barley, winter	Boyer, Hundred, Kamiak, Showin
<u>Buckwheat, spring</u>	<u>Manor, Mancan</u>
<u>Field pea</u>	<u>Garfield, Latah</u>
<u>Lentil</u>	<u>Brewer, Crimson, Red Chief</u>
Oat, spring	Monida, Otana, Park,
Rye, winter	Puma, Rymin
Wheat, spring	<u>Butte 86</u> , Centenial, Dirkwin, Edwall, Fielder, Nomad (P), Owens, Penawawa, Spillman, Treasure, Wadual, Wakanz, Wampum, WestBred 906R (P), WestBred 911 (P), WestBred 926 (P), <u>WestBred Express (P)</u> , WestBred Sprite, Yecora Rojo

Wheat, winter	Andrews, Basin (P), Batum, <u>Blizzard</u> , Buchanan, Cashup (P), Daws, (Dusty) <u>Eltan</u> , Hatton, Hill-81, Hyak, John, <u>Kmor</u> , Lewjain, Madsen, Malcolm, Moro, Nugaines, <u>Rely</u> , <u>Rod</u> , Sprague, Stephens, Syringa, Tres, Tyee, Weston
Triticale, spring	Juan, Victoria, Grace
Triticale, winter	Flora, XR066A (P), Stan I (P), <u>Whitman</u>

(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 1744, filed 7/10/81)

WAC 16-316-572 Certifying agency issuance of certificate.

The issuance by Washington State Crop Improvement Association, (~~Inc.~~) the certifying agency, of a certified seed label or certificate for a lot of seed affirms solely that such seed properly identified by a dealer, grower, or distributor, has been subjected to the seed certification standards and procedures implemented by (~~Washington State Crop Improvement Association, Inc.~~) the certifying agency, and that (~~Washington State Crop Improvement Association, Inc.~~) the certifying agency has acted in accordance with (~~those~~) such standards and procedures (~~established for seed certification~~).

The standards and procedures do not provide for inspection of each plant or all areas in a grower's field. Therefore, seed that is certified may contain contaminants, even though the certifying agency has properly subjected the seed to the officially accepted standards and procedures. Furthermore, during harvest, storage, transportation, and the conditioning process, activities beyond the control of the certifying agency may interfere with the seeds' purity.

The seed grower is required to have knowledge of the officially accepted standards and procedures for certification. The seed grower is responsible to maintain the purity and identity of seed harvested and/or farm stored.

The seed conditioner is responsible for and required to have knowledge of the officially accepted standards and procedures, including the standards and procedures for conditioning, sampling, and final certification. It is the conditioner's responsibility to maintain the purity and identity of seed conditioned, stored, transhipped, or labeled.

The issuance of a certified seed label or certificate for a lot of seed neither warrants that any other person or entity has acted in accordance with such standards and procedures, nor constitutes any other warranty, express or implied, with respect to yield, quality, incidence of off-types or other contaminating seeds, or

tolerance to diseases, insects, or growing conditions, or any other characteristics of the seed.

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

WAC 16-316-701 Definitions of terms for standards. (1) "Land standards" means the number of years that must elapse between the destruction of a stand of a kind, and establishment of a stand of a specified class of a variety of the same kind (i.e., number of years out of production of same crop kind).

(2) "Isolation standards" means the distance in feet from any contaminating source (i.e., distance from other fields of same crop kind).

(3) "Field standards" means the tolerances permitted as determined by established field inspection procedures.

(4) "Seed standards" means the tolerances permitted as determined by established seed inspection procedures.

(5) "Tolerances stated as 'none found', or 'no' or 'zero'" means none found as determined by established inspection procedures.

AMENDATORY SECTION (Amending Order 2093, filed 6/9/92, effective 7/10/92)

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 open pollinated sorghum - when seedcrop is in full bloom, and optionally again when seedcrop begins to show mature color;

(e) For hybrid sorghum - two inspections during bloom and one inspection after seed begins to show mature color.

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

(g) For millet - one inspection during bloom and one inspection after seed begins to show mature color.

(h) For buckwheat - one inspection when seedcrop is in full bloom.

(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/her 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.

(7) Concerning wild oat, isolated patches and borders must be removed or clearly marked so as to avoid harvesting with the rest of the field. If rejected, a reinspection will be necessary to assure clean-up efforts have been satisfactory. Spot checks will occur on fields where heavy patches or contaminated borders were noted. Harvesting these areas with the rest of the field will be cause for rejection of the entire field.

AMENDATORY SECTION (Amending Order 2093, filed 6/9/92, effective 7/10/92)

WAC 16-316-717 Field pea standards. (1) Field pea - land, isolation, and field standards:

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

** Reduce to three feet from fields producing a certified class of the same variety. In addition, each field pea field for certification must be isolated from small grain fields by three feet. To prevent mechanical field mixing of swathed field pea seedcrop, the planting of small grain between field pea fields, except for three feet of isolation, is recommended.

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

	NUMBER OF YEARS
	MINIMUM
Foundation	10
Registered	10
Certified	10

*** No Austrian pea or rye is permitted.

(2) Field pea - seed standards:

CLASS	OFF-TYPE	PURE SEED	INERT	OTHER CROP	WEED	GERMINATION
	MAXIMUM SEEDS/LB	MINIMUM %	MAXIMUM %	MAXIMUM SEEDS/LB	MAXIMUM %	MINIMUM %
Foundation	None <u>found</u>	99.00	1.00	None <u>found</u>	None <u>found</u>	85
Registered	None <u>found</u>	99.00	1.00	None <u>found</u>	0.25**	85
Certified	1	99.00	1.00	3*	0.25**	85

* No Austrian pea or rye is permitted.

** Other tolerance for weed seed:

	OBJECTIONABLE WEED SEED
	MAXIMUM
Registered	1/lb
Certified	2/lb

AMENDATORY SECTION (Amending Order 2093, filed 6/9/92, effective 7/10/92)

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

CLASS	LAND	ISOLATION	OFF-TYPE	FIELD	OTHER CROP
	MINIMUM YEARS	MINIMUM FEET	MAXIMUM PLANTS/ACRE	MAXIMUM PLANTS/ACRE	MAXIMUM PLANTS/ACRE
Foundation	5	100*	None found		None found
Registered	4	100*	10		10**
Certified	3	25*	20		20**

* Reduce to three feet from fields producing a certified class of the same variety. In addition, each lentil field for certification must be isolated from small grain fields by three feet. To prevent mechanical field mixing of swathed lentil seedcrop, the planting of small grain between lentil fields, except for three feet of isolation, is recommended.

** Refers to barley and vetch, each.

(2) Lentil - seed standards:

CLASS	OFF-TYPE	PURE SEED	INERT	OTHER CROP	WEED	GERMINATION
	MAXIMUM SEEDS/LB	MINIMUM %	MAXIMUM %	MAXIMUM %	MAXIMUM %	MINIMUM %
Foundation	None <u>found</u>	99.00*	1.00*	None <u>found</u>	None <u>found</u>	85.00
Registered	1	99.00*	1.00*	0.05**	0.05***	85.00
Certified	4	99.00*	1.00*	0.10**	0.05**	85.00

* A total of three percent inert matter will be allowed in samples containing decorticated seed provided total of all other inert matter does not exceed one percent.

** No vetch is permitted.

*** Other tolerance for weed seed:

	OBJECTIONABLE WEED SEED MAXIMUM
Registered	1/lb
Certified	2/lb

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

WAC 16-316-721 Soybean standards. (1) Soybean - land, isolation, and field standards:

CLASS	LAND	ISOLATION	FIELD STANDARDS	
	STANDARDS	STANDARDS	OFF-TYPE	OTHER CROP
	MINIMUM YEARS	MINIMUM FEET	MAXIMUM %	MAXIMUM NO STANDARD
Foundation	1*	3	0.10	--
Registered	1*	3	0.01	--
Certified	1*	3	0.20	--

* Waived if the previous crop was grown from an equal or higher certified class of seed of the same variety.

(2) Soybean - seed standards:

CLASS	OFF-TYPE	PURE SEED	INERT	OTHER CROP	WEED	GERMINATION
	MAXIMUM %	MINIMUM %	MAXIMUM %	MAXIMUM SEEDS/LB	MAXIMUM SEEDS/LB	MINIMUM %
Foundation	0.10	98.00	2.00	None <u>found</u>	None <u>found</u>	85.00
Registered	0.20	98.00	2.00	None <u>found</u>	1	85.00
Certified	0.20	98.00	2.00	1 per 2 lb.	2	85.00

NEW SECTION

WAC 16-316-722 Hybrid sorghum standards. (1) Hybrid sorghum - land, isolation, and field standards:

Class	Land Standards Minimum Years (b)	Isolation Standards Minimum Feet	Field Standards		Other Varieties And/Or Off-Type (a)
			Pollen Shedding By Seed Parent Maximum At Any One Inspection	Definite	
Foundation	1	990	1:3,000	1:50,000	1:20,000
Certified	1	660	1:1,500	1:20,000	1: 1,000

(2) Hybrid sorghum seed standards:

Class	Off-Type Max. Seeds/Lb.	Pure Seed Min. %	Inert Max. %	Other Crop Max. Seeds/Lb.	Weed Max. %	Germination Min. %
Foundation	2	98.00	2.00	2	0.10	85
Certified	10	98.00	2.00	10	0.10	85

(**) Pollinator Lines: B = Maintainer, R = Restorer

(a) If off-type plants are found at the time of inspection, all seed heads within a radius of five feet of these plants shall be removed from the field before the field is approved.

(b) Hybrid sorghum will not be eligible for certification if planted on land which grew sorghum the previous year unless:

(i) The preceding sorghum crop was the same variety and was inspected and approved for the same or higher certification classification; or

(ii) The preceding sorghum crop was a variety which differs substantially in plant growth characteristics from the variety planted. However, grain type sorghum or sweet sorghum will not be eligible for certification if planted on land which grew grass type sorghum the previous year.

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

WAC 16-316-723 Open pollinated sorghum standards. (1) Open pollinated sorghum - land, isolation and field standards:

CLASS	LAND	ISOLATION	FIELD STANDARDS***	
	STANDARDS	STANDARDS	OFF-TYPE	OTHER CROP
	MINIMUM YEARS	MINIMUM FEET	MAXIMUM RATIO	MAXIMUM NO STANDARD
Foundation	1*	1,000**	None <u>found</u>	--
Registered	1*	1,000**	1 head/50,000	--
Certified	1*	1,000**	1 head/20,000	--

* Waived if the previous crop was grown from an equal or higher certified class of seed of the same variety.

** Refers to fields of other varieties or same variety which does not meet tolerance of off-types.

*** Other tolerances for field standards:

	JOHNSONGRASS	HEAD SMUT	KERNEL SMUT
	MAXIMUM	MAXIMUM	MAXIMUM
Foundation	None <u>found</u>	None <u>found</u>	None <u>found</u>
Registered	None <u>found</u>	None <u>found</u>	None <u>found</u>
Certified	None <u>found</u>	1 head/10,000	1 head/2,500

(2) Open pollinated sorghum - seed standards:

CLASS	OFF-TYPE	PURE SEED	INERT	OTHER CROP	WEED	GERMINATION
	MAXIMUM	MINIMUM	MAXIMUM	MAXIMUM	MAXIMUM	MINIMUM
	%	%	%	%	%	%
Foundation	None <u>found</u>	97.00	3.00**	None <u>found</u>	0.10	80.00
Registered	None <u>found</u>	97.00	3.00**	0.03	0.10	80.00
Certified	0.01*	97.00	3.00**	0.07***	0.10	80.00

* Or two seeds per pound.

** Where two percent or more is cracked.

*** Or ten seeds per pound.

AMENDATORY SECTION (Amending Order 2093, filed 6/9/92, effective 7/10/92)

WAC 16-316-727 Chick pea standards. (1) Chick pea - land, isolation, and field standards:

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

*Reduce to three feet isolation from fields producing a class of certified seed of the same variety. In addition, field must be

isolated from small grain fields by three feet. To prevent mechanical mixing of swathed chickpea seedcrops, the planting of small grains between fields, except for three feet isolation, is recommended.

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

***Field must not have grown Austrian pea for ten years.

(2) Chick pea - seed standards:

CLASS	OFF-TYPE	PURE SEED	INERT	OTHER CROP	WEED	GERMINATION
	MAXIMUM	MINIMUM	MAXIMUM	MAXIMUM	MAXIMUM	MINIMUM
	SEEDS/LB	%	%	SEEDS/LB	%	%
Foundation	None <u>found</u>	99.00	1.00	None <u>found</u>	None <u>found</u>	85.00
Registered	None <u>found</u>	99.00	1.00	None <u>found</u>	0.25**	85.00
Certified	1	99.00	1.00	3*	0.25**	85.00

* No vetch, Austrian pea or rye is permitted.

** Other tolerance for weed seed:

	OBJECTIONABLE WEED SEED MAXIMUM
Registered	1/lb
Certified	2/lb

NEW SECTION

WAC 16-316-729 Open pollinated millet standards. (1) Open pollinated millet - land, isolation, and field standards:

CLASS	LAND	ISOLATION	FIELD	OTHER CROP
	MINIMUM YEARS	MINIMUM FEET	OFF-TYPE MAXIMUM	MAXIMUM
Foundation	1*	1,320	1:3,000	None found
Registered	1*	1,320	1:2,000	1:30,000
Certified	1*	660	1:1,000	1:10,000

* = Waived if previous crop was the same variety and equal or higher class of certified seed.

(2) Open pollinated millet - seed standards:

CLASS	OFF-TYPE	PURE SEED	INERT	OTHER CROP	WEED	GERMINATION
	MAXIMUM	MINIMUM	MAXIMUM	MAXIMUM	MAXIMUM	MINIMUM
	SEEDS/LB	%	%	SEEDS/LB	%	%
Foundation	0.5	99.00	1.0	0.5	0.05	85
Registered	1	99.00	1.0	1	0.05	85
Certified	3	99.00	1.0	3	0.10	85

NEW SECTION

WAC 16-316-731 Buckwheat standards. (1) Buckwheat - land, isolation, and field standards:

CLASS	LAND	ISOLATION	OFF-TYPE	FIELD	OTHER CROP
	MINIMUM YEARS	MINIMUM FEET	MAXIMUM		MAXIMUM
Foundation	2*	2,640	1:10,000		None found
Registered	1*	1,320	1: 5,000		1:30,000
Certified	1*	660	1: 2,000		1:10,000

* = Waived if previous crop was the same variety and equal or higher class of certified seed.

(2) Buckwheat - seed standards:

CLASS	OFF-TYPE MAXIMUM SEEDS/LB	PURE SEED MINIMUM %	INERT MAXIMUM %	OTHER CROP MAXIMUM SEEDS/LB	WEED MAXIMUM %	GERMINATION MINIMUM %
Foundation	0.5	99.0	1.0	0.5	0.05	85
Registered	1	99.0	1.0	1	0.05	85
Certified	3	99.0	1.0	3	0.10	85

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

WAC 16-316-724 Small grains standards. (1) Small grains (barley, oat, rye, triticale, wheat) - land, isolation, and field standards:

CLASS	LAND	ISOLATION	FIELD STANDARDS		
	STANDARDS	STANDARDS	OFF-TYPE	OTHER CROP	<u>WILD OAT</u>
	MINIMUM	MINIMUM	MAXIMUM	MAXIMUM	<u>MAXIMUM</u>
	YEARS	FEET	HEAD RATIO	HEAD RATIO	<u>PLANTS/ACRE</u>
Foundation	1*	90**	None <u>found</u>	None <u>found</u> ***	<u>None found</u>
Registered	1*	3**	1/148,000	1/148,000***	<u>5</u>
Certified	1*	3**	1/49,000	1/49,000***	<u>5</u>

* Waived if the previous crop was grown from an equal or higher certified class of seed of the same variety.

** Refers to distance from other small grain fields. In addition, each rye field for certification shall be isolated from fields producing a certified class of the same variety by three feet, and from other rye fields by six hundred sixty feet. Each triticale field for certification shall be isolated from fields producing a certified class of the same variety by three feet, and from other triticale, rye and wheat fields by three hundred feet for foundation and registered class, and three feet for certified class, unless otherwise stated by plant breeder.

*** Refers to other small grains, except that no rye or triticale is permitted in barley, oat, or wheat; no vetch is permitted.

(2) Small grains - seed standards:

CLASS	OTHER SMALL GRAINS AND/OR OFF-TYPE MAXIMUM (1) SEEDS/LB	PURE SEED MINIMUM (2) %	INERT MAXIMUM %	OTHER CROP MAXIMUM (3) %	WEED MAXIMUM %	GERMINATION MINIMUM %
Foundation	None <u>found</u>	98.00	2.00	None <u>found</u>	0.01**	85.00
Registered	2	98.00	2.00	0.03((≠))	0.01**	85.00
Certified	4	98.00	2.00	0.05((≠))	0.03**	85.00

No rye, vetch, or triticale is permitted in barley, oat or wheat; no rye or vetch is permitted in triticale; no vetch or triticale is permitted in rye.

(1) Based on 500 grams examined.

(2) Based on 100 grams examined.

(3) Excluding off-types and other small grains.

NOTE: For all classes the purity analysis shall be based on 100 grams examined. For Registered and Certified classes, noxious weed, vetch, off-type, and other small grain determinations shall be based on 500 grams examined. For

Foundation class, noxious weed, vetch, off-type, and other small grain determinations shall be based on two pounds examined.

** Other tolerances for weed seed:

	OBJECTIONABLE WEED SEED MAXIMUM	WILD OAT MAXIMUM
Foundation	None <u>found</u>	None <u>found</u>
Registered	None <u>found</u>	None <u>found</u>
Certified	1/lb	None <u>found</u> , except 1/lb in oat
