

TRANSMITTAL OF RULES ADOPTED

FROM: Department of Agriculture
(Name of Agency)

TO: CODE REVISER
LEGISLATIVE BLDG (Southwest Corner, Ground Floor)
Olympia 98501

The enclosed Permanent rules , being order No. 1111
Emergency rules
relating to (Name of rules or description of subject matter)
Regulations governing Seed Certification.

(ALTERNATIVE A. Use only for adoption of permanent rules)

pursuant to Notice No. 2270 ① filed with the code reviser
on 3/20/69 ② were regularly adopted as permanent rules of this
(date)
agency at Olympia on 4/17/69 and are herewith
(place) (date)
filed in the office of the code reviser pursuant to chapter 34.04
RCW. The effective date of such rules shall be 5/18/69 ③

(ALTERNATIVE B. Use only for adoption of emergency rules)

pursuant to its finding that the immediate adoption of
these rules is necessary for the preservation of the public
health, safety, or general welfare and that observance of the
requirements of notice and opportunity to present views on
the proposed action would be contrary to the public interest,
were regularly adopted as emergency rules of this agency at
_____ on _____ and are herewith filed in
(place) (date)
the office of the code reviser pursuant to chapter 34.04 RCW.

Dated this 17th day of April 1969.

STATE OF WASHINGTON
FILED
APR 17 1969
CODE REVISER'S OFFICE
KET, 2318 FILE # 20

Department of Agriculture
(AGENCY)
By Donald W. Moos
Title DIRECTOR

- ① NOTICE NUMBER AS APPEARS ON THE COPY OF NOTICE RETURNED TO YOU BY REVISER'S OFFICE (IF PROCEEDINGS WERE CONTINUED, USE NO. OF LAST NOTICE)
- ② STAMPED DATE AS APPEARS ON THE COPY OF NOTICE RETURNED TO YOU BY REVISER'S OFFICE (IF PROCEEDINGS WERE CONTINUED, USE DATE OF LAST NOTICE)
- ③ UNLESS A LATER DATE IS SPECIFIED IN THIS ORDER OR IS PRESCRIBED IN ANOTHER STATUTE, RULES ARE EFFECTIVE 30 DAYS AFTER FILING: RCW 34.04.040. LEAVE THIS SPACE BLANK EXCEPT IN SUCH SPECIAL CASES.

STATE OF WASHINGTON
DEPARTMENT OF AGRICULTURE

Order No. 1011

Amending Orders No. 972, 1011, 1046, 1047,
1048, 1049, 1081, 1082, and 1083
Effective May 18, 1969

WAC 16-316-0085 PROMULGATION. (This promulgation relates to WAC 16-316-010, 015, 016, 020, 025, 030, 035, 040, 045, 060, 065, 075, 085 and WAC 16-316-001, 0015, 002, 0025, 003, 0035, 004, 005, 0055, 0065, and 008).

I, Donald W. Moos, director of agriculture of the state of Washington, by virtue of the authority vested in me under chapter 15.48 RCW, after due notice as provided under chapters 42.32 and 34.04 RCW, and a public hearing held in Yakima, Washington, on April 10, 1969, do hereby promulgate the following regulations relating to seed certification; and amending Order No. 1083 and WAC 16-316-010; Order No. 1082 and WAC-16-316-020; Order No. 1049 and WAC 16-316-025; Order No. 1046 and WAC 16-316-030; Order No. 972 and WAC 16-316-035; Order No. 1047 and WAC 16-316-045; Order No. 1081 and WAC 16-316-060; Order No. 1011 and WAC 16-316-075; Order No. 1048 and WAC 16-316-085 and repealing Order No. 1045 and WAC 16-316-015 and 016 which are duplications of Order No. 1083 and WAC 16-316-010; and repealing Order No. 974 and WAC 16-316-040; and repealing Order No. 976 and WAC 16-316-065; and repealing WAC 16-316-001, WAC 16-316-005, and WAC 16-316-0015.

SEED CERTIFICATION

(1) Purpose of certification. The purpose of seed certification is to maintain and make available sources of high quality seeds and propagating materials of plant varieties so grown and distributed as to insure genetic identity and genetic purity. The word seed or seeds as used in these standards shall be understood to include all propagating materials.

(2) By whom certified. Seed certification in the state of Washington is conducted by the Washington State Department of Agriculture in cooperation with the Washington State Crop Improvement Association, Inc., Institute of Agricultural Sciences, Washington State University, and Association of Official Seed Certifying Agencies.

(a) Designation of the Washington State Crop Improvement Association, Inc. to assist in the certification of certain agricultural seeds was initiated in 1953. A revised memorandum of agreement between the Washington State Department of Agriculture and the Washington State Crop Improvement Association, Inc. was signed April 16, 1969, which designates the Washington Crop Improvement Association, Inc., to act as the director's duly-authorized agent for the purpose of certifying field peas, lentils, small grain, sorghum, and forest trees.

(b) Certification of seeds other than field peas, small grain, and sorghum shall be conducted by the Seed Branch, State Department of Agriculture, Yakima, Washington.

(c) The certification of horticultural plants or plant products shall be conducted by the Division of Plant Industry, State Department of Agriculture, Olympia, Washington.

(3) Varieties eligible. Only those varieties that are accepted by the certifying agency as meriting certification, in accordance with the criteria listed below shall be eligible for certification. For those crops where variety review boards do exist, it is recommended that varieties be submitted for review to determine their merit for certification.

(a) Acceptance of a variety for certification shall be based on the following:

(i) A statement and supporting evidence by the originator, developer or owner requesting certification that the variety has been adequately tested to determine its value and probable area of adaptation, and that it merits certification, and that it is distinguishable from other varieties, as set forth in Article 5, International Code of Nomenclature for Cultivated Plants, which reads as follows:

"The term cultivar (variety) denotes an assemblage of cultivated individuals which are distinguished by any characters (morphological, physiological, cytological, chemical or others) significant for the purposes of agriculture, forestry, or horticulture, and which, when reproduced (sexually or asexually) retain their distinguishing features."

(ii) A statement on origin and breeding procedure.

(iii) A description of the morphological characteristics, (such as color, height, uniformity, leaf, head or flower characteristics, etc.) physiological characteristics, disease and insect reactions, and any other identifying characteristics of value to field inspectors and such other pertinent factors as the breeder or sponsor considers relevant.

(iv) Evidence of performance, including data on yield,

insect or disease resistance and other factors supporting the value of the variety. These performance tests may be conducted by private seed firms or Agricultural Experiment Stations, and shall include appropriate check varieties which are used extensively in the area of intended usage.

(v) A statement giving suggested region of probable adaptation and purposes for which the variety will be used. This shall include where the breeder of the variety has tested it and anticipates recommending and merchandising.

(vi) Procedure for maintenance of stock seed classes shall be described. At the time a variety is accepted for certification, a sample lot of breeder seed shall be presented to the certifying agency. This to be retained as a control varietal sample against which all future seed stock released for certified seed production may be tested to establish continued trueness of variety.

(4) Limitation of generations. Except as provided elsewhere in this section, the number of generations through which a variety may be multiplied shall be limited to that specified by the originating breeder or owner of a variety, but shall not exceed two generations beyond foundation seed.

(a) The following exceptions to the above limitations of generations are permitted:

(i) Unlimited recertification of the certified class may be permitted for older crop varieties where foundation seed is not being maintained.

(ii) The production of an additional generation of the certified class may be permitted on a one-year basis when: An emergency is declared prior to the planting season by the certifying agency stating that foundation and registered seed supplies in the United States are not adequate to plant the needed acreage of the variety.

Permission of the originating breeder and/or owner of the variety is obtained (if applicable).

The additional generation of certified seed produced to meet the emergency need is declared to be ineligible for certification.

(5) Seed classes. Four classes of seed shall be recognized in seed certification, namely; breeder, foundation, registered, and certified.

(a) Breeder seed is seed or vegetative propagating material directly controlled by the originating, or in certain cases, the sponsoring plant breeder, institution, or firm. Breeder seed supplies the source for the initial and recurring increase of foundation seed.

(b) Foundation seed (identified by white tags) shall be first-generation seed increased from breeders seed or its equivalent. Production must be carefully supervised and approved by the certifying agency and/or the agricultural experiment station.

(c) Registered seed (identified by purple tags) shall be the progeny of foundation seed that is so handled as to maintain satisfactory genetic identity and purity and that has been approved and certified by the certifying agency.

(d) Certified seed (identified by blue tags) shall be the progeny of foundation or registered seed that is so handled as to maintain satisfactory genetic identity and

purity and that has been approved and certified by the certifying agency.

(6) Labels and sealing requirements. Certification tags, labels, and seals must be obtained from the certifying agency and must be attached to seed containers under the supervision of or by a representative of the certifying agency.

(a) Certification tags or labels shall be attached to the container in a manner that prevents easy removal and reattachment.

(b) Methods of sealing will depend upon the type of containers used and method of handling.

(c) Certified seed bulk sale certificates may be used in lieu of tags with the approval of the certifying agency.

(7) Agency deviation from certification standards. Seed that fails to meet certification requirements because of genetic purity is not eligible for tagging. At the discretion of the certifying agency, seed that fails to meet certification requirements on factors other than genetic purity may be designated substandard. The certification tag or labels attached to such seed shall clearly show the respects in which the seed is substandard.

(8) Agency power to reject. The certifying agency shall have authority to reject from certification any lot of seed not meeting these regulations.

(9) Rejection for color or appearance. The certifying agency reserves the right to refuse certification on any lot of seed if, in the opinion of the certifying agency, the color, appearance, or condition of the seed might be detrimental to the certification program.

(10) Agency power to refuse certification. The certifying agency shall have the authority to refuse certification if the labeling of containers is misleading or may tend to be confusing as to its contents.

(11) Specific crop regulations. Crops approved for certification for which rules are not in effect may be certified under the latest Minimum Rules for Seed Certification published by the Association of Official Seed Certifying Agencies. Fees for such certification shall be the most applicable fees in effect.

(12) Penalty. Person or company found guilty of violation or misuse or abuse of these regulations shall be subject to prosecution under the Washington State Seed Law.

(a) Proof of violation may result in removal of privileges of certifying, dealing in or handling certified seeds for at least one year.

(13) Prohibited noxious weeds. The following weeds shall be considered prohibited noxious weeds for the purpose of seed certification:

<u>English or Common Name</u>	<u>Botanical or Scientific Name</u>
Austrian field cress	Roripa austriaca
Bindweed (wild morning glory)	Convolvulus arvensis
	Convolvulus sepium
Blue flowering lettuce	Lactuca pulchella
Camelthorn	Alhagi camelorum
Canada thistle	Cirsium arvense
Common barberry bushes (rust-susceptible species of barberry and mahonia)	Berberis spp. Mahonia spp.

<u>English or Common Name</u>	<u>Botanical or Scientific Name</u>
Dalmation toadflax	Linaria dalmatica
Dodder	Cuscuta spp.
Leafy spurge	Euphorbia esula
Johnson grass	Sorghum halepense
Pacific Meadow-foxtail	Alopecurus saccatus
Perennial peppergrass	Lepidium latifolium
Perennial sow thistle	Sonchus arvensis
Quackgrass	Agropyron repens
Russian knapweed	Centaurea repens (C. Picris)
Sorghum alnum	Sorghum alnum
Tansy ragwort	Senecio jacobaea
White horse nettle (Silver- leaf nightshade)	Solanum elaeagnifolium
White-top (hoary cress)	Cardaria Draba, Cardaria Draba var. repens, Cardaria pubescens
Wild garlic (wild onion)	Allium vineale
Yellow-flowering skeleton weed	Chondrilla juncea L.
Yellow toadflax (butter-and- eggs)	Linaria vulgaris

(14) Objectionable weeds. The following weeds shall be considered objectionable weeds for the purpose of seed certification:

<u>English or Common Name</u>	<u>Botanical or Scientific Name</u>
Alkali mallow	Sida hederacea
Charlock (wild mustard)	Brassica kaber
Corncockle	Agrostemma githago
Docks	Rumex spp.
Fanweed	Thlaspi arvense
Halogeton	Halogeton glomeratus
Perennial groundcherry	Physalis longifolia and Physalis subglabrata
Perennial nutgrass (nut sedge)	Cyperus rotundus
Perennial rag weed	Ambrosia psilostachya
Plantains	Plantago spp.
Poverty weed (deathweed)	Iva axillaris
Puncturevine	Tribulus terrestris
Sheep sorrel (red sorrel)	Rumex acetosella
St. Johnswort (Klamath-weed)	Hypericum perforatum
Wild oats	Avena fatua
Yellow star-thistle	Centaurea solstitialis

(15) Procedure to follow for certification. Persons who wish to participate in this program must submit applications for seed certification in accordance with the requirements of these regulations and specific rules for each crop. The responsibility for payment of all fees rests with the applicant. (Applications are available from certified seed processors, county agents, or the Seed Branch office in Yakima.)

(a) Seedling applications (applications for new planting of alfalfa, clover and grasses) are to be submitted as follows:

(i) Separate applications must be submitted for each crop.

(ii) Applications are due with a \$10.00 application fee within sixty days after planting. Applications may be accepted up to six months after planting, however, late applications (those received more than sixty days after planting) are assessed a \$10.00 late application fee.

(iii) Attach official tags from seed stock planted or other verification of seed stock used.

(iv) Additional fees are not required when it is necessary for a grower to reseed due to failure to get a stand. The grower shall advise the certifying agency the date of reseeding, and submit proof of seed stock used to reseed. Reseeding must be done within one year of original planting date.

(b) Annual crops (beans, peas, grain): A producing application must be submitted each year a grower plans to produce seed for certification.

(i) A separate application is required for each crop.

(ii) Attach official tags from seed stock planted or other verification of seed stock used.

(c) Perennial crops, (alfalfa, clover, grass): After a stand is established, a renewal application shall be submitted each year that a grower plans to produce seed for certification.

(d) Refer to certification regulations for the specific crop you plan to certify.

(16) All growers in the certification program shall: (a) Show that reasonable precaution has been taken to control contaminating crops and varieties, noxious weeds, and seed-borne diseases.

(b) Exercise precaution to prevent crop and lot mixture when harvesting.

(c) Identify his crop with the assigned field number on each bag or box he delivers to the processor.

(d) Have his seed cleaned at a processing plant which has been approved by the Seed Branch, Department of Agriculture.

(e) Obtain approval of the certifying agency to raise more than one variety of the same crop.

(f) Obtain approval of the certifying agency to ship seed eligible for certification out-of-state for processing. (Report forms available from Seed Branch, Box 617, Yakima).

(i) Advise certifying agency of destination, shipping weight, lot number, field number, expected date of shipment and other information concerning shipment that may be deemed necessary.

(ii) Advise certifying agency date of arrival, receiving weight and lot number.

(iii) Upon completion of processing, advise certifying agency of clean weight, lot number, screenings weight, bag count and have a sample drawn by a representative of the certifying agency in that state and submit sample to Seed Branch, Box 617, Yakima for testing.

(iv) Washington certification tags and seals will be mailed to nearest representative of the certifying agency if interstate tags are not used.

(v) Applicant is responsible for fees incurred under Washington's certification program and additional fees that may be assessed by any out-of-state cooperating agency.

(17) Field inspections. Field inspections shall be made as follows:

(a) A seedling field shall be inspected at the most

appropriate time after receipt of seedling application. The inspection will be repeated prior to harvest in case the field produces seed the same season.

(b) Field inspections shall be made each year that a crop of certified seed is to be produced while the crop is in blossom or when factors affecting certification are most evident.

(c) A field will not be eligible for certification unless a field inspection has been made.

(d) The unit of certification will be the entire field standing at the time of inspection. A portion of a field may be certified if the area to be certified is clearly defined.

(e) A field producing foundation or registered seed that warrants a rejection because of noxious weeds may be reclassified to certified blue tag class if upon reinspection these fields meet certified blue tag standards.

(f) If a field is rejected, the grower may apply for reinspection after the cause for rejection has been corrected. No more than two reinspections will be granted each field. (See specific crop rules for reinspection fee).

(18) The seed processor shall: (a) Notify the Seed Branch, State Department of Agriculture, of their intent to process seed for certification.

(b) Request the Seed Branch to inspect their plant to determine if they can be approved to process seed for certification. Upon approval their name shall be added to the list of approved processing plants.

(c) Handle all seed for certification in a manner so as to prevent mixture of lots, clearly identifying each lot with a lot number.

(d) Show evidence of clean maintenance. Installations shall be easily accessible for cleaning and inspection and all equipment must be thoroughly cleaned between lots.

(e) Obtain approval from the certifying agency for handling seed for certification in bulk.

(f) Dispose of screenings in compliance with the Washington State Seed Law.

(g) Obtain approval from the certifying agency to ship seed for certification out-of-state for processing.

(h) Have his permit to process seed for certification rescinded should a subsequent inspection reveal that the processing of seed for certification is not being handled in the manner prescribed when the approval was granted and the operator fails to take corrective measures. The name of the establishment will then be removed from the list of approved processors, and the growers of seed for certification notified of the same.

(19) Containers and lot numbers. (a) When harvesting, use clean equipment and take all precautions to prevent mixture. The field number must be put on all containers to insure identity when delivered to the cleaning plant.

(b) All seed for certification shall be packaged in clean, new containers of uniform weight and identified with a lot number when tagged and sealed.

(c) The required lot number shall identify the producer and year of production for each lot of seed. This requirement may be satisfied by use of a processor's code.

(20) Sampling. A representative sample of each lot of seed for certification shall be obtained by the certifying agency for laboratory analysis. The entire lot must be

cleaned and in condition for sale at the time of sampling.

(21) Analysis and definitions. (a) Analysis of seed samples and definitions of analytical terms shall be in accordance with the rules of the Association of Official Seed Analysts as interpreted by the state and federal seed laws.

(b) Upon completion of the cleaning process at the cleaning plant, a representative of the certifying agency will obtain a sample of the seed for the purpose of making a purity and germination analysis at the seed laboratory.

(22) Withdrawal from certification. The applicant may withdraw a field from certification by notifying the certifying agency before the field is inspected. The acreage fee only is refundable.

(23) Official certification seal. When the purity and germination tests are completed and the seed is found to meet the required standards, certification tags shall be sealed to each bag with the official certification seal.

(24) Organization for Economic Cooperation and Development Certification Scheme. (a) O.E.C.D. certification is an international certification scheme limited to Federal Government membership. O.E.C.D. certification is implemented in the United States in cooperation with participating states through memorandum of agreement with Agricultural Research Service, U.S.D.A.

(b) Only those crop varieties listed in O.E.C.D. publication "List of Cultivars Eligible for Certification Under O.E.C.D. Scheme" will be considered for O.E.C.D. certification in Washington.

(c) Seed stock of foreign origin must be officially sealed and carry the white "Basic Seed" tag to be eligible for O.E.C.D. certification. Seed stock of the United States varieties must be foundation class to be eligible for O.E.C.D. certification.

(d) All lots of "Basic Seed" to be used for planting stock must be sampled by the Washington State Department of Agriculture before seals are broken. If this procedure is not followed, the seed will lose its O.E.C.D. eligibility.

(e) Certification requirements as listed in Washington certification standards for each specific crop will be followed on all varieties: except, seed produced for foreign varieties grown under the O.E.C.D. scheme will be O.E.C.D. certified as to genetic purity only in regard to seed standards. Seed will not be required to meet Washington minimum purity or germination seed standards, however, all seed must be officially sampled and tested prior to tagging.

(f) O.E.C.D. tags will be printed and issued according to O.E.C.D. requirements.

(1) The general rules for seed certification are basic and together with the following specific regulations constitute the rules for alfalfa seed certification.

(2) Varieties eligible. Following are the varieties eligible and the certification scheme for each:

Alfa*P	Glacier*P	Scout*P
Apex*P	Ladak**	Tempo*P
Arnim*P	Ladak 65*P	Titan*P
Cardinal*P	Lahontan*	Vernal*
Cayuga*	Narragansett**	Washoe*
Culver*	Norseman*P	WL-202*P
Dawson*	Ranger**	WL-210*P
DuPuits*P	Saranac*	522*P
Flamande*P		525*P

*These varieties are certified on a limited generation basis where:
Foundation seed is eligible to produce certified seed;
Certified seed is not eligible for re-certification.

**These varieties are certified on the generation basis where:
Foundation seed is eligible to produce registered seed;
Registered seed is eligible to produce certified seed;
Certified seed is not eligible for re-certification.

P - Proprietary varieties.

(3) Certification fees.

(a) Seedling applications: (Due within sixty days after planting, however, acceptable up to six months after planting with late penalty fee.)

(i) Seedling application fee.....\$10.00

(ii) Late penalty fee.....\$10.00

(This additional fee shall be charged for each seedling application received more than sixty days after planting.)

(iii) Acreage fee.....\$.50 per acre

(Applies only to seedling fields harvested for certified seed the year of planting.)
(Refundable if acreage is withdrawn before inspection.)
The certifying agency must be notified by July 31 of seedling fields that will be harvested for certification.

(b) Renewal applications: (Due June 15)
(Accepted until July 31 with late penalty fee)

(i) Renewal application fee.....\$10.00

(ii) Acreage fee.....\$.50 per acre

(Refundable if acreage is withdrawn before inspection.)
(iii) Late penalty fee.....\$10.00
(This additional fee shall be charged for each renewal application received after June 15.)

(c) Reinspection.....\$10.00 each.

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

(d) Sampling.....\$.15 per 100 lbs.

(e) Tagging.....\$.15 per 100 lbs.

The tagging fee is billed at completion of germination test and payable in advance of tagging. If a lot of seed is eligible for tagging and none of the seed is tagged, 10 cents of the 15 cents cwt. charged is refundable upon request. Request for this refund must be submitted by August 1 of the year following harvest.

(f) Purity & germination test.....Fees as established by the director of agriculture.

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

(4) Land requirements.

(a) 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 grown or have been seeded to alfalfa during the preceding four years.

(b) A field to be planted with foundation or registered seed for the production of certified seed must not have grown or have been seeded to alfalfa during the preceding two years.

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

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

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

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

(5) Isolation requirements.

(a) 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 Planted	Class Produced	Fields less than five acres	Fields five acres or more
Breeder	Foundation	1,320 feet	1,320 feet
Foundation	Registered	1,000 feet	500 feet
Foundation	Certified	300 feet	165 feet
Registered	Certified	300 feet	165 feet

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

Class Planted	Class Produced	Distance required from the nearest field planted with	
Breeder	Foundation	Foundation	480 feet
"	"	Registered	900 feet
Foundation	Registered	Registered	165 feet
Foundation	Certified	Certified	165 feet
Registered	Certified	Certified	165 feet

(c) 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:

(i) 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.

(ii) 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.

(6) Field tolerances shall be as follows:

	Field Producing *		
	Foundation	Registered	Certified
Other varieties	0.20%	0.5%	1.0%
Sweet clover	none	5 plants per acre	20 plants per acre
Red clover	none	5 plants per acre	20 plants per acre

* Alfalfa fields must be free of prohibited noxious weeds.

(7) Seed standards shall be as follows:

Purity		Foundation	Registered	Blue Tag Certified
Pure Seed	(Min.)	99.00%	99.00%	99.00%
Other crops	(Max.)	.10%	.10%	.25%
Sweet clover	(Max.)	none	none	90 per lb.
Inert matter	(Max.)	1.00%	1.00%	1.00%
Weed seed	(Max.)	.10%	.20%	.25%
Objectionable weed seeds:				
Max. Total		none	none	18 per lb.

<u>Germination</u>				
(Min. total germination and hard seed.)		80.00%	85.00%	85.00%

(a) Alfalfa seed must be free of prohibited noxious weed seeds.

(b) 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 but shall not be eligible for seed stock even though it is recleaned and meets certification standards.

(1) The general rules for seed certification are basic and together with the following specific regulations constitute the regulations for certification of bean seed.

(2) Varieties eligible.

- Great Northern: U of I numbers 31, 59, 123, and 1140
- Red Mexican: U of I numbers 34, 35, 36, and 37, Bigbend and Coulee
- Pinto: U of I numbers 111 and 114, and Columbia
- Pink: Sutter
- Small White: #53
- Kidney: Royal Red
- Snap Bean: Yakima

(a) As the list of eligible varieties is subject to change, other varieties may be eligible upon approval of the certifying agency.

(b) Planting stock for Bigbend, Coulee Red Mexican, Royal Red Kidney Beans, and Yakima Snap Beans shall be foundation or registered class. Planting stock for other varieties may be foundation, registered, or certified blue tag class.

(3) Certification fees.

(a) Application for certification: (Due July 1st, however, acceptable until July 15 with late penalty fee.)

- (i) Application fee.....\$10.00
- (ii) Acreage fee.....\$ 1.00 per acre.
(Refundable if acreage is withdrawn before inspection. \$.50 of the \$1.00 acreage fee is refundable if the third inspection was not made.)
- (iii) Late penalty fee.....\$10.00
(This additional fee shall be charged for each application received after July 1.)

(b) Reinspection fee.....\$10.00
If a field is rejected from certification, for reasons other than bacterial diseases by the first or second inspection, the grower may apply for reinspection after the cause for rejection has been corrected.

- (c) Sampling fee.....\$.02 per 100 lbs.
(minimum fee \$4.00)
- (d) Tagging fee.....\$.10 per 100 lbs.
- (e) Purity & germination test.....Fees as established by the director of agriculture.

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

(4) Land requirements.

(a) A field to be eligible for the production of certified seed must not have been planted to beans of the same variety and strain the preceding three years, unless the previous crops were under certification and free of bacterial blight.

(b) A field will not be eligible for production of certified seed for more than two consecutive years.

(5) Field tolerances shall be as follows:

	Field Producing		
	Foundation	Registered	Certified
Other varieties or off-type plants	none	0.1%	0.2%
Other crops	none	0.1%	0.1%
Total seed-borne diseases	none	0.5%	1.5%
Bacterial bean blights and wilt	none	0.0%	0.0%
Anthraxnose	none	none	none
Mosaic seed-borne	none	0.5%	0.5%

(a) Beans grown under sprinkler irrigation will not be eligible for certification.

(b) Fields must be rogued of weeds, off-type plants, volunteer plants, and plants showing symptoms of seed-borne diseases.

(c) A field to be eligible for certification must have clean, cultivated boundaries at least ten feet wide.

(d) Excessive weeds, poor stands, lack of vigor, or any other condition which is apt to make inspection inaccurate may be cause for rejection of the field.

(6) Inspection requirements shall be as follows:

(a) At least three field inspections will be made.

(i) When the plants are at the third-leaf stage.

(ii) When the plants are grown.

(iii) When the crop is in the windrow.

(b) A greenhouse test may be required if the certifying agency deems it necessary.

(c) The combined results of field inspection, laboratory test, and greenhouse test, when required, will determine final certification.

(7) Seed standards shall be as follows:

Purity		Foundation	Registered	Blue Tag Certified
Pure Seed	(Min.)	98%	98%	98%
Other Crops & Varieties	(Max.)	none	none	2/100 lbs.
Badly damaged	(Max.)		2%	2%
Inert Matter	(Max.)		2%	2%
Splits & Cracks	(Max.)		2%	2%
Weed Seed	(Max.)		none	none

<u>Germination</u>				
(minimum)			85%	85%

(a) Total inert matter, splits and cracks, and badly damaged shall not exceed 2% except for foundation seed.

(b) Test reports will show percent of discolored beans for information only.

(c) Rough handling of bean seed in the combine or cleaning plant reduces germination materially. Precautions must be taken against such treatment and the seed safeguarded against high drops.

(1) The general rules for seed certification are basic and together with the following specific regulations constitute the rules for grass seed certification.

(2) Varieties eligible. Following are the varieties eligible and the certification scheme for each:

Big Bluegrass:	Sherman**
Kentucky Bluegrass:	Cougar*, Delta*, Fylking (patented)**, Merion**, Newport**, Park**, Sodco*, Windsor (patented)*
Meadow Bromegrass:	Regar**
Smooth Bromegrass:	Baylor*, Carlton*, Manchar**, Sac*, Saratoga*
Fescue:	Chewings***, Highlight Chewing*, Durar Hard**, Boreal Red*, Olds Red***, Pennlawn Red*, Alta Tall**, Kentucky 3l Tall**
Tall Oatgrass:	Tualatin**
Orchardgrass:	Chinook*, Latar**, Pennlate*, Rideau*, Sterling*, Tammisto*, Potomac*
Perennial Ryegrass:	NK-100*, Norlea*, Pelo*
Timothy:	Clair**, Climax*, Essex*, Verdant*
Wheatgrass:	Whitmar Beardless**, Nordan Crested**, Amur Intermediate***, Greenar Intermediate**, Oahe Intermediate*, Tegmar Intermediate*, Greenleaf Pubescent*, Topar Pubescent**, Primar Slender**, Sodar Streambank**, Alkar Tall**

*These varieties are certified on a limited generation basis where:

Foundation seed is eligible to produce certified seed;
Certified seed is not eligible for recertification.

**These varieties are certified on the generation basis where:

Foundation seed is eligible to produce registered seed;
Registered seed is eligible to produce certified seed;
Certified seed is not eligible for recertification.

***These varieties are not certified on generation basis:
Certified seed is eligible to produce certified seed.

(3) Certification fees.

(a) Seedling applications: (Due within sixty days after planting, however, acceptable up to six months after planting with late penalty fee.)

(i) Seedling application fee.....\$10.00

(ii) Late penalty fee.....\$10.00

(This additional fee shall be charged for each seedling application received more than sixty days after planting.)

(b) Renewal application: (Due May 15.)

(Accepted until July 15 with late penalty fee)

(i) Renewal application fee.....\$10.00

(ii) Late penalty fee.....\$10.00

(This additional fee shall be charged for each renewal application received after May 15.)

(c) Reinspection.....\$10.00 each.

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

(d) Sampling.....\$.15 per 100 lbs.

(e) Tagging and production fee.....\$.35 per 100 lbs.

(f) Purity & germination test.....Fees as established by the director of agriculture.

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

(4) Land requirements.

(a) A field to be planted with breeder seed for the production of foundation seed must 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 must be planted in spaced rows and cultivated to maintain the rows.

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

(c) A field to be planted with foundation, registered, or certified seed for the production of certified seed must 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.

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

(e) Grasses growing in fence rows and other areas adjacent to the field must be controlled by methods that prevent blooming

(f) Pennlate Orchardgrass shall not be eligible to produce certified seed after six years of vegetative growth excluding the seedling year. A breeder planting shall be eligible for foundation production for the first three years. Such plantings shall be reclassified to certified production for the last three years.

(5) Isolation requirements.

(a) A seed field to be eligible for the production of foundation, registered or certified seed must 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			16.5 feet
80% Apomictic - - - - A	165 feet	165 feet	clean fallow
Highly Self-Fertile Species - - - - - S	16.5 feet	16.5 feet	16.5 feet clean fallow
All Cross Pollinated Species - - - - - C	900 feet	300 feet	150 feet

(b) 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 - - - 110 feet
"	"	Certified - - - 225 feet
Foundation	Registered	Certified - - - 110 feet

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

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

- (i) The grower must apply for certification of the entire field and before inspection clearly stake off the border removal portion.
- (ii) A reinspection will be required after harvest of the certified portion of the field.
- (iii) The border removal portion of the field may be harvested for uncertified seed under the following conditions:
 - (A) 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 will harvest the certified portion of the field first and deliver this seed to the processing plant. After seed is weighed and lotted in, the grower will request a reinspection of the uncut border strip. After reinspection, if everything is in order, the field will be passed and the border strip can then be harvested as uncertified seed.
- (6) Field tolerances shall be as follows:
 - (a) Maximum other varieties permitted in fields producing:
Foundation: 0% Registered: 0.5% Certified: 1%
 - (b) Grass fields must be free of weeds listed as prohibited noxious in the current general rules for seed certification.
- (7) Seed standards for Grasses shall be as follows:

(See chart - Page 16)

Crop & its type of Reproduction	Symbol *	Min. % Germ Fndt.		Min. % Pure Fndt.		Max. % Inert Fndt.		Max. % Weeds (b) Fndt.		Max. % Other Crop Fndt. (a)		Max. No. seeds of other grass spp.	
		Reg.	Cert.	Reg.	Cert.	Reg.	Cert.	Reg.	Cert.	Reg.	Cert.	Fndt.	Reg.
Bluegrass													
Sherman	(A)	70	70	90	90	10	10	.05	.3	.03	.5	1/10 grams	1/1 grams
Ky. Type	(A)	80	80	97	97(d)	3	3	.05	.3	.03	.5	1/10 grams	1/1 grams
Merion	(A)	80	80	92	92(d)	8	8	.05	.3	.03	.5(d)	1/10 grams	2/1 grams
Smooth Bromo	(C)	80	85	95	95	5	5	.05	.3(c)	.1	.5	1/50 grams	10/50 grams
Meadow Bromo	(C)	80	85	95	95	5	5	.05	.3(c)	.1	.5	1/50 grams	10/50 grams
Fescue													
Alta	(C)	80	85	95	97	5	3	.03	.3	.1	.5	2/50 grams	10/50 grams
Hard Fescue	(C)	80	90	95	95	5	5	.03	.3	.1	.5	1/50 grams	5/50 grams
Other Fescue	(C)	80	90	98	98	2	2	.03	.3	.1	.5	1/50 grams	5/50 grams
Orchardgrass	(C)	80	85	85	90	15	10	.03	.3	.1	.5	3/50 grams	10/50 grams
				80 for Pennlate & Latar									
Tall Oatgrass	(C)	75	75	90	95	10	5	.1	.3	.1	.5	1/50 grams	10/50 grams
Ryegrass	(C)	85	90	96	98	4	2	.1	.3	.1	.5	1/50 grams	5/50 grams
Wheatgrass													
Beardless	(C)	80	85	90	90	10	10	.1	.3	.1(e)	.5	1/50 grams	5/50 grams
Intermediate	(C)	80	85	95	95	5	5	.1	.3	.1(e)	.5	1/50 grams	5/50 grams
Pubescent	(C)	80	85	95	95	5	5	.1	.3	.1(e)	.5	1/50 grams	5/50 grams
Streambank	(C)	80	85	90	90	10	10	.1	.3	.1(e)	.5	1/50 grams	5/50 grams
Crested	(C)	80	85	90	95	10	5	.1	.3	.1(e)	.5	1/50 grams	5/50 grams
Slender	(S)	80	85	90	95	10	5	.1	.3	.1(e)	.5	1/50 grams	5/50 grams
Tall	(C)	80	85	95	95	5	5	.1	.3	.1(e)	.5	1/50 grams	5/50 grams
Timothy	(C)	80	85	97	97	3	3	.1	.3	.1	.5	1/50 grams	5/50 grams

(a) Not to exceed twenty-five hundredths of one percent

(.25%) other grass species for certified seed.

(b) Grass seed must not contain more than 45 per lb. for registered seed, 90 per pound for blue tag seed, singly or collectively, of objectionable weeds. (See current general rules.) Grass seed must be free of the seeds of prohibited noxious weeds.

(c) A tolerance of .5% will be allowed for samples containing weedy bromus spp., provided the total of all other weed seeds does not exceed .3%.

(d) A tolerance of 3% common or other Kentucky-type bluegrass will be allowed in certified Merion bluegrass. 3% Merion will be allowed in certified common or other Kentucky-type bluegrasses containing a minimum of 97% Kentucky bluegrass.

(e) A tolerance of .8% will be allowed in registered and certified wheatgrass containing small grain seed providing the total of all other crop seed does not exceed .1% for registered class and .5% for certified class.

* Symbols are defined in chart under (5) Isolation Requirements.

(1) The general rules for seed certification are basic and together with the following specific regulations constitute the rules for bentgrass seed certification.

(2) Varieties eligible. Following are the varieties eligible and the certification scheme for each:

Astoria Colonial
Highland Colonial
Colonial
Seaside Creeping

These varieties are not certified on generation basis:

Certified seed is eligible to produce certified seed.

(3) Certification fees.

(a) Seedling applications: (Due within sixty days after planting, however, acceptable up to six months after planting with late penalty fee.)

(i) Seedling application fee.....\$10.00

(ii) Late penalty fee.....\$10.00

(This additional fee shall be charged for each seedling application received more than sixty days after planting.)

(b) Renewal applications: (Due June 1)

(Accepted until July 1 with late penalty fee.)

(i) Renewal application fee.....\$10.00

(No acreage fee required.)

(ii) Late penalty fee.....\$10.00

(This additional fee shall be charged for each renewal application received after June 1.)

(c) Reinspection.....\$10.00 each.

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

(d) Sampling.....\$.15 per 100 lbs.

(e) Tagging.....\$.15 per 100 lbs.

The tagging fee is billed at completion of germination test and payable in advance of tagging. If a lot of seed is eligible for tagging and none of the seed is tagged, ten cents of the fifteen cents cwt. charged is refundable upon request. Request for this refund must be submitted by August 1 of the year following harvest.

(f) Purity & germination test.....Fees as established by the director of agriculture.

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

(4) A field to be eligible for the production of certified bentgrass seed shall not have grown or have been seeded to bentgrass during the previous year unless the previous crop was of the same variety or strain and certified.

(5) Field Inspection shall be made as follows:

(a) New fields will be inspected as soon as possible after receipt of the seedling applications.

(b) A field inspection on other fields may not be made each year that a certified seed crop is to be harvested. If performed this inspection will be made after heading but before

harvesting.

(6) Field tolerances shall be as follows:

(a) A strip at least five feet in width and which is mowed, uncropped or planted to some crop other than the kind in question shall constitute a field boundary.

(b) Maximum of 1% fine-leaved bentgrasses is permitted in certified bentgrass seed fields. A trace of red top is permitted in certified blue tag bentgrass fields.

(c) Fields must be free of the weeds listed as prohibited noxious.

(7) Seed standards shall be as follows:

<u>Specific Seed Standards</u>		<u>Certified</u>
Pure Seed**	(Minimum)	98%
Other Crop Seed	(Maximum)	.6%
Inert Matter	(Maximum)	2.0%
Weed Seed	(Maximum)	.4% *

<u>Germination</u>		
(Minimum)		85.00%

(a) Blue tag bentgrass shall not contain over 900 seeds per pound, singly or collectively, of the following weeds: Plantain spp., Big Mouse-ear Chickweed, Yarrow, Spotted Cat's Ear, and Dandelion.

(b) Bentgrass seed must not contain more than 90 per lb. for blue tag, singly or collectively, of objectionable weeds. (See general rules). Bentgrass seed must be free of the seed of weeds listed as prohibited noxious.

* A maximum of 0.5% weed seed will be allowed in bentgrass containing silver hairgrass providing the total of all other weed seed does not exceed .4%.

** 1.50% other fine bentgrasses and .50% red top will be allowed in certified bentgrass containing a minimum of 98% total bentgrass.

(1) The general rules for seed certification are basic and together with the following specific regulations constitute the rules for red clover seed certification.

(2) Varieties eligible. Following are the varieties eligible and the certification scheme for each:

Chesapeake	La Salle
Dollard	Ottowa
Kenland	Pennscott
Lakeland	Ulva

These varieties are certified on a limited generation basis where:

Foundation seed is eligible to produce certified seed; Certified seed is not eligible for re-certification.

(3) Certification fees.

(a) Seedling applications: (Due within sixty days after planting, however, acceptable up to six months after planting with late penalty fee.)

- (i) Seedling application fee.....\$10.00
- (ii) Late penalty fee.....\$10.00
(This additional fee shall be charged for each seedling application received more than sixty days after planting.)
- (iii) Acreage fee.....\$.50 per acre
(Applies only to seedling fields harvested for certified seed the year of planting.)
(Refundable if acreage is withdrawn before inspection.)

The certifying agency must be notified by July 31 of seedling fields that will be harvested for certification.

(b) Renewal applications: (Due June 15)
(Accepted until July 31 with late penalty fee)

- (i) Renewal application fee.....\$10.00
- (ii) Acreage fee.....\$.50 per acre
(Refundable if acreage is withdrawn before inspection.)
- (iii) Late penalty fee.....\$10.00
(This additional fee shall be charged for each renewal application received after June 15.)

(c) Reinspection.....\$10.00 each.

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

- (d) Sampling.....\$.15 per 100 lbs.
- (e) Tagging.....\$.15 per 100 lbs.

The tagging fee is billed at completion of germination test and payable in advance of tagging. If a lot of seed is eligible for tagging and none of the seed is tagged, ten cents of the fifteen cents cwt. charged is refundable upon request. Request for this refund must be submitted by August 1 of the year following harvest.

(f) Purity & germination test.....Fees as established by the director of agriculture.

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

(4) Land requirements.

(a) A field to be planted with breeder seed for the production of foundation seed must not have grown or have been seeded to red clover during the preceding six years, three years of which the land must have been cultivated.

(b) A field to be planted with foundation seed for the production of certified seed must not have grown or have been seeded to red clover during the preceding three years. The time interval may be shortened one year if one cultivated crop or clean fallow has intervened.

(c) A stand of red clover will not be eligible to produce certified seed after two seed crops. These crops may be produced either in the same or in consecutive years.

(d) Reseeding of a field, because of failure or partial failure of the first seeding, may be done with permission of the certifying agency.

(e) Ditchbanks, roadways, etc. adjacent to a certified field must be free of volunteer red clover and prohibited noxious weeds.

(f) Volunteer plants in the field may be cause for rejection or reclassification of the seed field.

(g) No manure or contaminating material shall be applied one year preceding, or during the establishment and productive period of the stand.

(h) A stand of red clover over three years old is not eligible for certification.

(5) Isolation requirements.

(a) Red Clover for certification shall be isolated from all other red clover varieties or fields of the same variety not meeting varietal purity requirements for certification as follows:

Class Planted	Class Produced	Fields Less Than Five Acres	Fields Five Acres or More
Breeder	Foundation	1,320 feet	1,320 feet
Foundation	Certified	330 feet	165 feet

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

Class Planted	Class Produced	Distance Required From the Nearest Field Planted with	
Breeder	Foundation	Foundation	330 feet
		Certified	660 feet
Foundation	Certified	Certified	165 feet

(c) In cases where an adjoining field is planted with a different variety of red clover, or red clover 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:

(i) 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.

(ii) The grower may harvest either the certified portion of the field or the uncertified isolation strip first and deliver that portion to the processing plant. After this seed is weighed and lotted in, the grower will then 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.

(6) Field tolerances shall be as follows:

		Field	Producing*
		Foundation	Certified
Other Varieties	(Max.)	0.00%	0.50%
Alfalfa	(Max.)	None	10 plants per acre
Sweet Clover	(Max.)	None	20 plants per acre

* Red Clover fields must be free of prohibited noxious weeds.

(7) Seed standards shall be as follows:

Purity		Foundation*	Blue Tag Certified*
Pure Seed	(Min.)	99.00%	99.00%
Other Crops	(Max.)	18 per lb.	0.25%
Inert Matter	(Max.)	1.00%	1.00%
Sweet Clover	(Max.)	9 per lb.	90 per lb.
Weed Seed	(Max.)	0.15%	0.25%
Objectionable Weed Seeds	(Maximum Total)	None	90 per lb.

<u>Germination</u>			
(Minimum total germination and hard seeds)		85.00%	85.00%

* Red Clover seed must be free of prohibited noxious weed seeds.

(1) The general rules for seed certification are basic and together with the following specific rules constitute the rules for small grain seed certification.

(2) The varieties and stock seed eligible are as follows:

- (a) Barley Belford, Gem, Heines Hanna, Hudson, Larker, Luther, Pirolina, Primus II, Steveland, Traill, Unitan, Vale, Velvon, White Winter.
- (b) Oats Cayuse, Cody, Harmon, Markton, Park.
- (c) Rye Abruzzi.
- (d) Wheat Baart, Brevor, Burt, Druchamp, Federation, Gaines, Henry, Idaed, Idaed 59, Marfed, McCall, Moro, Nugaines, Omar, Sentry, Wanser.

Foundation seed is eligible to produce registered seed.

Registered seed is eligible to produce certified seed.

Certified seed is not eligible for recertification. *

* For those varieties of which the amount of foundation and registered seed is not adequate, certified seed may be accepted for planting to produce certified seed.

(3) An application for seed certification for each field, accompanied by the application fee and the official certification labels or the certified seed bulk sale certificate which were attached to the stock seed planted, must be filed with Washington State Crop Improvement Association, Inc. by June 1. Late applications are acceptable from June 2 through July 15, and must be accompanied by the late application fee.

(a) The application fee for each variety is \$10.00 for ten or fewer acres plus \$.50 for each additional acre. The late application fee is \$5.00 for each application.

(b) A field may be withdrawn from certification only upon written request by the applicant before field inspection. In such case, the application fee shall be refunded upon request.

(c) Harvest before field inspection causes forfeiture of both the application fee and completion of certification.

(d) The reinspection fee is \$10.00 for each field which did not pass field inspection.

(e) The final certification fee is \$.07 per cwt. of cleaned seed sampled.

(4) A seedcrop of small grains will be eligible for certification if planted on land on which the same kind of crop was not grown the previous year unless from certified seed of the same variety.

(5) Isolation requirements shall be as follows:

(a) Small grain seedfields for certification must be isolated by a three-foot margin from other small grain fields.

(b) Rye fields for certification must be isolated by six hundred sixty feet from rye fields grown from other than certified seed of the same variety.

(6) Field tolerances shall be as follows:

Factor	Foundation	Registered	Certified
Other varieties (Max.)	None	10 plants/acre	30 plants/acre
Other small grains (Max.)	None	10 plants/acre	30 plants/acre
Rye in barley, oats, or wheat	None	None	None
Vetch	None	None	None

(a) Roguing to remove varietal and crop mixtures is required.

(b) Prohibited noxious weeds must be prevented from flowering. Roguing to remove objectionable weeds is recommended.

(c) The field inspection will be made when the seedcrop is fully headed and of mature color, when varietal and crop mixtures can be determined.

(d) Excess weeds or any other condition which causes inaccurate field inspection shall be cause for rejection.

(7) Seed standards shall be as follows:

Factor		(White Tag) Foundation	(Purple Tag) Registered	(Blue Tag) Certified
Pure seed	(Min.)	98.00%	98.00%	98.00%
Other distinguishable varieties	(Max.)	None	1/lb	4/lb
Inert matter	(Max.)	2.00%	2.00%	2.00%
Other crop seed	(Max.)	None	0.05%	0.10%
Other small grains	(Max.)	None	1/lb	2/lb
Rye in barley, oats, or wheat		None	None	None
Vetch		None	None	None
Weed seed	(Max.)	None	0.05%	0.05%
Prohibited noxious		None	None	None
Objectionable and growwell	(Max.)	None	1/lb	3/lb
Wild oats	(Max.)	None	None	1/lb
				3/lb oats, barley,
Germination	(Min.)	85.00%	85.00%	85.00%

(8) If chemically controllable seed-borne diseases are noted, treatment of seed is required.

(9) A certified seed bulk sale certificate completed by the grower or dealer may be substituted for certification labels in special situations where bagging and/or labeling and sealing is impracticable.

(10) Cleaning, labeling, and sealing of certified seed is permitted by a grower who has his own cleaning equipment and processes only his own seed.

WAC 16-316-075 PROPRIETARY VARIETY CERTIFICATION

STANDARDS. (1) Definition: Proprietary variety means that crop variety for which a person or company, hereafter referred to as owner, has exclusive production and/or marketing rights.

(2) Application procedure. The owner must submit a written request to the certifying agency for approval for proprietary certification of the variety and advise whether the variety is to be certified under genetic purity certification or under complete certification.

(a) Each application submitted for certification by another party shall be subject to approval of the owner of the variety.

(b) The owner-applicant may withdraw the application for certification at any time prior to tagging.

(c) Owner shall specify the processing plant where the proprietary variety shall be handled and the certifying agency shall refuse certification if and when seed appears in another processing plant.

(d) Upon receipt of the certification application form the certifying agency may advise the grower that he is growing a proprietary variety and that the owner has the privilege of canceling certification at any time.

(e) The owner or his local agent or representative shall be responsible for fees due and owing on that seed on which he has withdrawn the application for certification.

(3) Genetic purity. The general and specific crop certification standards are basic and together with the following specific regulations constitute the rules for genetic purity seed certification.

(a) Only the specific crop certification standard factors that pertain to genetic purity shall apply.

(b) Field inspection: A field inspection shall be made each year at the time the seed crop is in bloom, and at such other times as may be necessary to determine genetic purity. A complete record shall be maintained on the condition of the field (weeds, crop mixtures, etc.) and all such information reported to the grower and owner. Upon completion of all requirements for field inspection, a final field inspection report shall be issued stating that seed produced from the field passed genetic purity requirements.

(c) Seed standards: There shall be no seed standards, except that the quality of each lot of seed represented to be certified must be that which is normally acceptable in the marketing of high quality seed. The certifying agency shall test all lots to check the purity and germination. Failure to maintain acceptable quality shall be considered cause for revoking permission to participate in seed certification by genetic purity.

(d) Processing requirements: Only those cleaning plants approved by the certifying agency are permitted to process seed for certification. Complete records must be kept of all processing. Blending of seed lots of the same variety from fields passing all field inspections may be permitted with prior approval and in accordance with regulations for blending. There shall be a certification representative in each approved plant to be responsible for all operations involving certified seed. This representative may draw the sample of each lot of certified seed after the lot is brought to the condition in which it is to be marketed.

(e) Certification tags used will be clearly marked, "Genetic Purity Certified".

SEED CERTIFICATION STANDARDS.

(1) The general rules for seed certification are basic and together with the following specific regulations constitute the rules for crownvetch, white clover, and trefoil seed certification.

(2) Varieties eligible: Following are the varieties eligible and the certification scheme for each:

- Merit Ladino Clover*
- Pilgrim Ladino Clover*
- Fries groninger White Clover*
- Blanca White Clover*
- Tillman White Clover*
- Louisiana S-1 White Clover*

- Penngift Crownvetch*
- Emerald Crownvetch**

- Cascade Birdsfoot Trefoil**
- Viking Birdsfoot Trefoil**

*Certified on a limited generation basis where:
Foundation seed is eligible to produce certified seed;
Certified seed is not eligible for re-certification.

**Certified on the generation basis where:
Foundation seed is eligible to produce registered seed;
Registered seed is eligible to produce certified seed;
Certified seed is not eligible for re-certification.

(3) Certification fees.

(a) Seedling applications: (Due within sixty days after planting, however, acceptable up to six months after planting with late penalty fee.)

- (i) Seedling application fee.....\$10.00
- (ii) Late penalty fee.....\$10.00
(This additional fee shall be charged for each seedling application received more than sixty days after planting.)
- (iii) Acreage fee.....\$.50 per acre
(Applies only to seedling fields harvested for certified seed the year of planting.)
(Refundable if acreage is withdrawn before inspection.)

The certifying agency must be notified by July 31 of seedling fields that will be harvested for certification.

(b) Renewal applications: (Due June 15)
(Accepted until July 31 with late penalty fee)

- (i) Renewal application fee.....\$10.00
- (ii) Acreage fee.....\$.50 per acre
(Refundable if acreage is withdrawn before inspection.)
- (iii) Late penalty fee.....\$10.00
(This additional fee shall be charged for each renewal application received after June 15.)

(c) Reinspection.....\$10.00 each.

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

field each year.

(d) Sampling.....\$.15 per 100 lbs.

(e) Tagging.....\$.15 per 100 lbs.

The tagging fee is billed at completion of germination test and payable in advance of tagging. If a lot of seed is eligible for tagging and none of the seed is tagged, 10 cents of the 15 cents cwt. charged is refundable upon request.

Request for this refund must be submitted by August 1 of the year following harvest.

(f) Purity & germination test.....Fees as established by the director of agriculture.

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

(4) Land requirements.

(a) Breeder seed for the production of foundation seed shall not be planted on land on which the same kind has been previously planted. During the year immediately prior to seeding, the land shall have been in a cultivated crop or fallow and the land shall be free from volunteer plants as determined by field inspection during the season in which the seedling is established.

(b) Foundation seed for the production of registered or certified seed shall be planted on land on which no other variety or strain of the same kind has been grown or planted during the five years prior to the present planting.

(c) Foundation or registered trefoil seed for the production of certified seed shall be planted on land on which no other variety or strain of trefoil has been grown or planted during the three years prior to the present planting.

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

(e) Certification of trefoil shall be limited to stands not exceeding five years of age, except for a variety grown outside its region of adaptation, in which case certification shall be limited to stands not exceeding three years of age.

(f) Foundation or certified producing white clover fields shall be eligible for certification for only two harvest years following the year of seeding, provided that seed production the first year is prevented. Foundation fields may be reclassified to the next lower class after being harvested for seed for two years.

(g) Certification of crownvetch fields outside the region of adaptation of a variety shall be limited to stands not exceeding six years of age.

(h) Ditchbanks, roadways, etc. adjacent to a certified field must be free of volunteer plants of the same kind and prohibited noxious weeds.

(i) Volunteer plants in the field may be cause for rejection or reclassification of the seed field.

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

(5) Isolation requirements.

(a) Fields for certification shall be isolated from all other fields of the same variety not meeting varietal purity requirements for certification as follows:

Class Planted	Class Produced	Fields less than five acres	Fields five acres or more
Breeder	Foundation	1,320 feet	1,320 feet
Foundation	Registered	1,000 feet	500 feet
Foundation	Certified	300 feet	165 feet
Registered	Certified	300 feet	165 feet

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

Class Planted	Class Produced	Distance required from the nearest field planted with	
Breeder	Foundation	Foundation	480 feet
"	"	Registered	900 feet
Foundation	Registered	Registered	165 feet
Foundation	Certified	Certified	165 feet
Registered	Certified	Certified	165 feet

(c) In cases where an adjoining field is planted with a different variety, or 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:

- (i) 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.
 - (ii) 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.
- (6) Field tolerances shall be as follows:

Factor	Maximum permitted (Ratio of Plant) Field Producing*		
	Foundation	Registered	Certified
Other Variety	1:1000	1:400	1:100
Sweet Clover	1:1000	1:400	1:100
Other inseparable Crops	1:1000	1:400	1:100

* Fields must be free of prohibited noxious weeds.

(7) Seed standards shall be as follows:

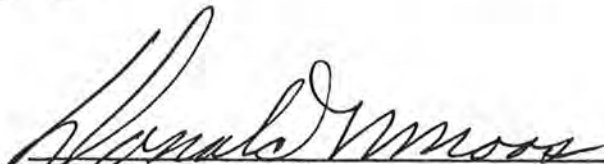
	CROWNVETCH		WHITE CLOVER		TREFOIL		
	Found	Cert.	Found	Cert.	Found	Req.	Cert.
Pure Seed (Min)	95 %	95 %	98 %	99 %	98 %	98 %	99 %
Other Crop (Max)	0.1%	1 %	0.1%	0.3%	0.1%	0.2%	0.5%
Inert (Max)	5 %	5 %	2 %	2 %	2 %	2 %	1 %
Weed Seed (Max)	0.1%	0.5%	0.1%	0.3%	0.2%	0.25%	0.3%
Sweet Clover (Max)	None	90/lb.	---	---	None	9/lb.	90/lb.
Objectionable							
Weed Seeds (Max)	27/lb.	90/lb.	10/lb.	90/lb.	None	45/lb.	90/lb.
Germination (Min)	65 %	65 %	85 %	85 %	85 %	85 %	85 %
(Germination + Hard Seed)							

- (a) Seed must be free of prohibited noxious weed seeds.
(b) 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 but shall not be eligible for seed stock even though it is recleaned and meets certification standards.

REP

Order No. 974 and Order No. 976 and WAC 16-316-040 and WAC 16-316-065 are hereby repealed.

I hereby certify that the foregoing is a true and correct copy of the regulations promulgated.



DONALD W. MOOS
Director of Agriculture
State of Washington

Signed at Olympia, Washington

Date: April 17, 1969