

State of Washington

Department of Agriculture

(agency name)

Administrative Order No. 1704

(1) I. Bob J. Mickelson, director of Washington State Department of Agriculture

do promulgate and adopt at Olympia, WA (place)

the annexed rules relating to: Forest reproductive material certification standards in WAC 16-319-020, WAC 16-319-030, WAC 16-319-051, and WAC 16-319-061.

WAC 16-319-041

WSR 80-08-046 and WSR 80-09-031.

(2) ALTERNATIVE A. Use only for Adoption of Permanent Rules. WSR 80-08-006; WSR 80-06-099; / This action is taken pursuant to Notice No. WSR 80-04-116; filed with the code reviser on Apr. 2, 1980; June 20, 1980, and May 30, 1980, and July 10, 1980. Such rules shall take effect: [X] pursuant to RCW 34.04.040(2). [ ] at a later date, such date being

(2) ALTERNATIVE B. Use only for Adoption of Emergency Rules. I. find that an emergency exists and that the foregoing order 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 public interest. A statement of the facts constituting such emergency is: Such rules are therefore adopted as emergency rules to take effect upon filing with the code reviser.

(3) Pursuant to the requirements of RCW 34.04 (1977 c 19 § 2) that "every agency shall incorporate the most specific, but in no case omit all, of the following language alternatives when adopting or amending rules" (fill in statement (a), (b), or (c) as appropriate):

[X] (a) This rule is promulgated pursuant to RCW 15.49 RCW and is intended to administratively implement that statute.

[ ] (b) This rule is promulgated pursuant to RCW which directs that the

(agency) has authority to implement the provisions of (name of act or RCW citation)

[ ] (c) This rule is promulgated under the general rule-making authority of the

(agency) as authorized in RCW

(4) The undersigned hereby declares that he has complied with the provisions of the Open Public Meetings Act (chapter 42.30 RCW), the Administrative Procedure Act (chapter 34.04 RCW) or the Higher Education Administrative Procedure Act (chapter 28B.19 RCW), as appropriate, and the State Register Act (chapter 34.08 RCW).

(5) This order after being first recorded in the order register of this agency is herewith transmitted to the Code Reviser pursuant to chapter 34.04 RCW and chapter 1-12 WAC.

STATE OF WASHINGTON FILED APPROVED AND ADOPTED July 21, 1980 JUL 21 1980 CODE REVISER'S OFFICE WSR 80-10-001

By Bob J. Mickelson Director of Agriculture Title



STATE OF  
WASHINGTON

Dixy Lee Ray  
Governor

DEPARTMENT OF AGRICULTURE

406 General Administration Building, Olympia, Washington 98501

For the purpose of legislative review of agency rules,  
the following statement is submitted.

1. Rules pertaining to forest reproductive material certification standards (statutory authority RCW 15.49)
2. Amendments to the forest reproductive material certification and a change in format.
3. Art Losey  
406 General Administration Bldg.  
Olympia, WA 98504  
753-5062  
Max Long  
2015 So. 1st Streey  
Yakima, WA 98903  
SCAN 558-2750
4. Proponents: Washington State Crop Improvement Association,  
Inc.
5. Opponents: None
6. No agency comments

AMENDATORY SECTION (Amending Order No. 1625, filed 4/30/79)

WAC 16-319-020 FOREST REPRODUCTIVE MATERIAL CERTIFICATION STANDARDS. (1) PURPOSE. The purpose of certification of forest reproductive material is to make available reproductive material properly identified by species or species and cultivar, and by source or source and origin.

(2) DEFINITIONS:

(a) Applicant means person or organization who submits application for certification of forest reproductive material to certifying agency and who assumes responsibility for compliance with these standards.

(b) Audit means periodic examination and check by certifying agency of any part or all of the records and procedures specified in field standards and processing standards, and of additional records pertinent to inventory and distribution of reproductive material including verification of corresponding physical inventory to assure that no significant errors or omissions exist.

(c) Batch means all or part of a lot of reproductive material of a single species collected during one crop season from within stated ~~((seed))~~ breeding zone(s) ~~((and))~~ or from within stated 500-foot elevation increments(s) ~~((and))~~ in stated seed zone(s) that is collected or processed at one time. ~~((Batches may be combined subsequently with other batches into a lot. Batches shall be identified distinctively as they are processed by number and/or code or as specified on the Certificate of Genetic Identity.))~~

(d) Breeding zone means a specific designated unit of land, the description of which is on file at the certifying agency, for which an improved population of trees of a specific species or species cross is being produced.

~~((d))~~ (e) Buyer means person who first receives reproductive material from the collector.

~~((e))~~ (f) Certificate of Genetic Identity means a document furnished by the producer on demand and verified by the certifying agency describing the ancestry and breeding behavior of a lot of reproductive material.

~~((f))~~ ~~--Certificate of Origin means a document issued by certifying agency which verifies source and origin of reproductive material by field inspection and audit--)~~

(g) Certification of reproductive material means execution by certifying agency of field inspection, plant/warehouse inspection and/or audit to accomplish the purpose described in paragraph (1).

(h) Certifying Agency means the duly designated agent of the state agency: In Oregon State, the Oregon Seed Certification Service, ~~((Cooperative Extension Service,))~~ 102 Farm Crops Building, Oregon State University, Corvallis, Oregon 97331 ~~((-))~~; in Washington State, Washington State Crop Improvement Association, Inc., 513 North Front Street, Yakima, Washington 98901.

(i) Certificate of Origin means a document issued by certifying agency which verifies source and origin of reproductive material by field inspection and audit.

~~((i))~~ (j) Character means a distinctive trait, but not necessarily an invariable feature, exhibited by all individuals of a group and capable of being described or measured: e.g., growth; form; color; resistance to disease, insects, weather, animals, etc.

~~((j))~~ (k) Code means a unique identification of a group of pertinent records about a lot of forest reproductive material.

~~((k))~~ (l) Collector means a person who collects forest reproductive material at its source.

~~((l))~~ (m) Elevation means altitude above sea level and is ~~((coded in 500-foot increments as follows--))~~ divided in 500-foot increments as shown below, or may mean appropriate elevational bands as provided for under code and/or breeding zone.

0 - 500 feet -- Code 05	2501 - 3000 feet -- Code 30
501 - 1000 feet -- Code 10	3001 - 3500 feet -- Code 35
1001 - 1500 feet -- Code 15	3501 - 4000 feet -- Code 40
1501 - 2000 feet -- Code 20	4001 - 4500 feet -- Code 45
2001 - 2500 feet -- Code 25	4501 - 5000 feet -- Code 50

and so forth.

((~~m~~)) (n) Field inspection means observation by certifying agency of all activities and records involved in propagation, collection, buying, production, and transportation of forest reproductive material to assure compliance with field standards.

((~~n~~)) (o) Forest reproductive material means plant material of genera and species of trees which will be used for forestry.

((~~o~~)) (p) Genetic identity means the ancestry and breeding background of selected and tested classes only of the forest reproductive material.

((~~p~~)) (q) Genetic superiority means that forest reproductive material originated from tree(s) whose superiority in one or more characters important to forestry has been proven by tests conducted in specified environments.

((~~q~~)) (r) Location means description by seed zone or portion thereof and elevation and/or breeding zone or code.

((~~r~~)) (s) Lot means a homogeneous quantity of forest reproductive material.

(i) For Tested and Selected classes, it is of a single species, (~~o~~) cultivar, or cross collected during one crop season from a distinctly described and recorded population of trees (~~as specified on the Certificate of Genetic Identity~~).

(ii) For Source Identified class, it is a single species collected during one crop season from within (~~state~~) stated seed zone(s) and from within 500-foot elevation increment(s) and/or breeding zones or appropriate codes.

(iii) For Audit class, it is a single species collected during one crop season from within stated seed zone(s) and from within 500-foot elevation increment(s).

(iv) Lots shall be identified by number and/or code or breeding zone.

((~~s~~)) (t) Origin means the location of the indigenous parents; for nonindigenous parents, it is the location from which the seed or plants were originally introduced.

((~~t~~)) (u) Plant/warehouse inspection means observation by certifying agency of all activities and records involved in receiving, processing, storage and labeling of forest reproductive material to assure compliance with processing standards.

((~~u~~)) (v) Producer means person, company, bureau or agency with overall responsibility for producing forest reproductive material.

((~~v~~)) (w) Provenance means the original geographic source of seed, pollen or propagules.

((~~w~~)) (x) Reproductive material means seed, pollen, trees, cuttings, scions, etc., originating from forest trees.

((~~x~~)) (y) Seed zone means a geographic area delineated on Western Forest Tree Seed Council's Tree Seed Zone Map published July 1973, or similarly authoritative maps of seed zones as approved by certifying agency.

((~~y~~)) (z) Source means the location of the immediate parents, the origin of which may be indigenous, nonindigenous, or unknown.

((~~z~~)) (aa) Test means evaluation of parents by comparing the performance of their offspring under more controlled conditions (~~than~~) that exist for the parent(s) or other applicable tests which evaluate specific character(s) of the parents or the offspring.

((~~aa~~)) (bb) Unit of measure means a consistent volume of measure, i.e., bushels, pounds, grams, number, cubic centimeters, etc.

WAC 16-319-030 CLASSES OF REPRODUCTIVE MATERIAL. (1)

Tested class means that forest reproductive material came from tree(s) which have been tested for specific character(s) as determined by progeny or other applicable tests and under specified conditions (~~as described in the Certificate of Genetic Identity~~). Further, such forest reproductive material is produced and processed in a manner assuring genetic identity common with the tested material, and, for nursery stock, that it was produced from tested reproductive material. Said forest reproductive material shall be labeled with a blue label stating "Tested". Certifying agency shall examine trees and reproductive material; exercise field, plant, and warehouse inspection, and audit all pertinent records involved.

(2) Selected class means that reproductive material came from trees that were selected for specific character(s) (~~as described in the Certificate of Genetic Identity~~). Two subclasses are recognized:

Subclass A: Reproductive material is obtained from selected trees and, in addition for tree seed, the male parent(s) is also selected.

Subclass B: Applies to tree seed when only one parent is selected.

Both subclasses shall be labeled with a green label stating "Selected" and the subclass. Certifying agency shall examine trees and reproductive material; exercise field, plant, and warehouse inspection, and audit all pertinent records involved.

(a) Selected Subclass A means that the donor or parents of the reproductive material are selected, known, and of record, but have no test results of record, and, for nursery stock, that it was produced from Selected Subclass A or better reproductive material.

(b) Selected Subclass B means that only one parent of the tree seed is selected, known, and of record and reproductive material has not been tested, and, for nursery stock, that it was produced from Selected Subclass B or better reproductive material.

(3) Source Identified Class means that the reproductive material came from within a seed zone(s) or portion thereof and from within a 500-foot elevation increment(s) or breeding zones(s) or code(s). (~~Two subclasses are recognized.~~)

Subclass A: Personally supervised production.

Subclass B: Procedurally supervised production.

Both classes of said reproductive material shall be labeled with a yellow label stating "Source Identified" and the subclass. Certifying agency shall exercise field inspection, plant/warehouse inspection, and audit.

(a) Subclass A Source Identified means that applicant and certifying agency personally know beyond a reasonable doubt the seed zone(s) or portion thereof and 500-foot elevation increment(s) within which cones and/or reproductive material were collected; and, for nursery stock, that it was produced from Subclass A Source Identified or better reproductive material. Certifying agency knows location from applicant's prior written plan of his reproductive material collecting and/or producing activities.

(b) Subclass B Source Identified means that applicant and certifying agency know reproductive material is identified as collected from within a seed zone(s) or portion thereof and from within a 500-foot elevation increment(s), and for nursery stock, that it was produced from Subclass B Source Identified or better reproductive material.

(4) Audit Class means that the applicant's records of procurement, processing, storage, and distribution state that the reproductive material was collected from within stated seed zone(s) or described portions thereof and from within 500-foot elevation increment(s), and, for nursery stock, certifying agency knows that it was produced from Audit Class or better reproductive material. Containers of said reproductive material shall carry a serially numbered brown and white label stating "Audit Certificate". All records of the applicant for this class of reproductive material are subject to audit.

AMENDATORY SECTION (Amending Order No. 1625, filed 4/30/79)

WAC 16-319-041 APPLICATION FOR CERTIFICATION OF FOREST REPRODUCTIVE MATERIAL. (1) The conditions of applicant's submittal and of certifying agency's acceptance of application are:

(a) The application should show all classes for which certification services are requested.

~~((a))~~ (b) All reproductive material acquired or distributed by applicant of a type for which certification is requested is subject to audit.

~~((b))~~ (c) Applicant shall be responsible for payment of fees for certification services.

~~((e))~~ (d) Applicant is responsible for developing a record keeping system and labels available and satisfactory to the certifying agency.

~~((d))~~ (e) Certifying agency reserves the right to refuse certification service to applicant.

~~((e))~~ (f) Application for audit (~~(certificate)~~) certification reproductive material shall be filed with certifying agency of the state in which warehouse, nursery, etc., is located with a copy to the certifying agency in the state where the reproductive material is collected.

~~((2)--The application, with a copy of the Certificate of Genetic Identity form for Tested and Selected classes, for current year's production of reproductive material shall be received by certifying agency from applicant not later than three days prior to initiation of collection, production, or propagation of reproductive material. Payment for requested services is prescribed below:~~

~~(3) Schedule of fees. Fees may be adjusted at the beginning of a crop year if certifying agency determines that costs are significantly more or less than anticipated. PROVIDED, That increases shall not exceed twenty-five percent of the following schedules:~~

~~(a) Service for certification of Tested and Selected classes, including review of test plans, audit of pertinent records and field inspection, shall be charged for at the rate of \$15.00 per man-hour job time payable as services are performed. This fee shall apply whether or not approved for such.~~

~~(b) The fee for Source Identified classes of tree seed is sixty cents (\$0.60) per bushel of cones collected for each lot containing 60 bushels or more collected in one crop year of a single species from single zone or portion thereof and from a single elevation increment.~~

~~(i) The fee for each lot as defined above containing less than 60 bushels of cones shall be a maximum of \$36.00. PROVIDED, That the certifying agency, due to specific circumstances, may waive this maximum fee or a part thereof.~~

~~(ii) Sixty percent of the fee for the estimated collection of cones shall be paid with the application, the remainder to be paid when billed by the certifying agency after processing is completed. The full \$0.60 per bushel fee shall apply to all bushels presented for source identified certification whether or not approved for such.~~

~~(iii) Source identified certification services for other types of reproductive material shall be at the rate of \$15.00 per man-hour job time payable as services are performed. These fees shall apply for source identified certification whether or not approved for such.~~

~~(c) The fee for Audit Class reproductive material is: \$15.00 per man-hour job time for audit payable as services are performed. This fee shall apply for audit class whether or not offered material qualifies.~~

~~(d) The fee for audit of reproductive material not entered for certification service is payable as services are performed at the rate of \$15.00 per man-hour job time required by and satisfactory to certifying agency to exercise said audit simultaneously with audit of reproductive material for which applicant has requested certification service.~~

~~(e) Other services requested by applicant, i.e., education to comply with these standards, advising on the development of record keeping system directly connected with certification needs, etc., may be provided at the rate of \$15.00 per man-hour job time payable as services are performed.)~~

(2) Timing of application requests for certification services:

(a) Application requests for all certification classes for the current year's production of reproductive material shall be received by certifying agency from applicant not later than three days prior to initiation of collection, production, or propagation of forest reproductive material.

(b) Application requests for all other services shall be received by certifying agency from applicant not later than seven days before need.

(3) The certifying agency establishes the fee schedule for certification services. These may be adjusted at the beginning of a crop year if certifying agency determines that costs are significantly more or less than anticipated: PROVIDED, That increases shall not exceed twenty-five percent.

(a) Cones and Seed:

(i) Tested and Selected - The service includes review of test plans, audit of pertinent records and field inspection.

(ii) Source Identified classes - The fee includes field inspection and audit.

(A) The fee for each lot containing less than sixty bushels shall be a maximum of \$36.00: PROVIDED, That the certifying agency, due to specific circumstances, may waive this maximum fee or a part thereof.

(B) Sixty percent of the fee for the estimated collection of cones shall be paid with the application, the remainder to be paid when billed by the certifying agency after processing is complete.

(iii) Audit Class - The fee includes audit of applicant's field and processing records.

(b) Trees: The fee includes the verification of the source of the trees from the seed source, stratification, sowing, bed identification, lifting, sorting, packing, package identification, and storing.

(c) Not entered for certification: The fee for audit of reproductive material not entered for certification service is performed as required by and satisfactory to certifying agency to exercise said audit simultaneously with audit of reproductive material which applicant has requested certification service.

(d) The fee for certification classes applied for shall be charged whether or not offered material qualifies.

(e) The certifying agency may provide other services, such as training to comply with these standards, advising on the development of record-keeping systems directly connected with certification needs if requested by the applicant.

(4) FEE SCHEDULE:

(a) Tree cones and seed -

<u>Certification Classes</u>	<u>Field Inspection</u>	<u>Audit</u>	<u>Fee Due</u>
<u>Tested and Selected</u>	<u>\$15/hr.</u>	<u>\$15/hr.</u>	<u>When billed</u>
<u>Source Identified Classes:</u>			
<u>Lots 11 bu. and more</u>	<u>\$0.60/bu.</u>	<u>\$15/hr.</u>	
<u>*Lots 6-10 bu.</u>	<u>\$15/lot</u>	<u>\$15/hr.</u>	
<u>*Lots 0-5 bu.</u>	<u>\$ 9/lot</u>	<u>\$15/hr.</u>	
<u>Total bushels X \$0.36/bu.</u>			<u>With application</u>
<u>Audit</u>	<u>None</u>	<u>\$15/hr.</u>	<u>When billed</u>

\*Small lot fee applies when over twenty percent of total lots audited range between 0 and 10 bu. inclusive.

(b) Tree certification -

(i) Bare Root Seedlings - \$.20/m with a minimum of \$600 per growing site.

(ii) Container and Tubling Seedlings - \$.50/m for a total of less than two million with a minimum of \$600 per growing site; \$.30/m for quantities over two million per growing site.

(iii) Forty percent of the fee to accompany the application at the beginning stage of the crop. Final billing will be based on the number when packed.

(c) Other services including education to comply with the standards, development of record system, verification of source of pollen, signs, cuttings, audit of forest reproductive material not offered for certification by applicant, etc. at \$15/hr. payable when billed.



WAC 16-319-051 FIELD STANDARDS. (1) Tested and Selected Classes. Applicant shall maintain continuous record(s) satisfactory to certifying agency which maintains the identity of the reproductive material through all stages of production, collection, processing, storage, and disbursement from stores, and, in addition, such records as needed to trace the pedigree and document the performance of the reproductive material. The records shall include but are not limited to those involving:

- (a) Selection, location, and origin of the parent trees.
- (b) Pollen, seed, scions, etc., collection, processing, inventory, storage, and use in tree improvement and breeding programs.
- (c) Design, establishment and management of test(s) and the collection, analysis and interpretation of test data.
- (d) Nursery stock production.

Certifying agency shall inspect all phases of the field operation including periodic checks of parent trees, pollen, and scion collections; pollinations; cone harvest, storage, processing and inventory; and tests, together with appropriate records used in the field. Certifying agency shall record and identify each lot of reproductive material produced in the field for use in tree improvement program(s) unless the applicant has provided an accurate and safe method of accountability from the field through processing and use.

(2) Source Identified Reproductive Material. Applicant shall develop and make (~~correct~~) correct use of collector and buyer labels, collector registration, and transportation (~~logs~~) records, and for nursery stock, labels and records identifying the stock as originating from Source Identified or better reproductive material.

- (a) Subclass A.
  - (i) Control of collectors shall be such that applicant and certifying agency personally know beyond a reasonable doubt the seed zone or breeding zone or code or portions thereof and 500-foot elevation increment or specified elevation increment for breeding zone(s) or code(s) within which reproductive material was collected. Control of producers of nursery stock shall be such that applicant and certifying agency personally know beyond a reasonable doubt that the nursery stock was produced from Source Identified Subclass A or better reproductive material.
  - (ii) Applicant shall provide certifying agency with a written reproductive material collection and/or nursery stock production plan (not later than three days) prior to collection of reproduction material or production of nursery stock.
  - (iii) Further, all following requirements of Subclass B shall be met.

- (b) Subclass B.
  - (i) All collectors shall be supervised sufficiently so that either buyers know where reproductive material was collected, or buyers shall purchase all reproductive material that collectors present for sale without differential of acceptance stated or implied, as to source, location, seed zone, or elevation.

- (ii) Buyer shall require collector to sign collector's registration (~~log~~) record prior to collection of reproductive material. He shall also issue collector's labels and direct collector to complete them and place them in or attach them to each container of reproductive material before it is transported from point of collection. Coincident with purchase of reproductive material, he shall complete description on labels including species, source by seed zone, breeding zone or code, elevation increment, special collection area if any, certification class, date of purchase and his signature or initials.

- (iii) Buyer shall maintain a buyer (~~log~~) record on a form for all reproductive material received, listing species, seed zone, elevation increment, units of reproductive material, date of purchase, collector's name and buyer's name.

- (iv) Buyer shall maintain transportation (~~log~~) record showing species, seed zone, elevation increment, units of reproductive material, and date shipped.

- (v) Producers of nursery stock shall be supervised sufficiently so that applicant knows that the stock was produced from Source Identified Subclass B or better reproductive material.

- (vi) The certifying agency shall advise the applicant of problems or conditions that affect competent verification or execution of these standards by certifying agency and applicant.

(vii) Unless other arrangements are made, the certification class shown by the producer on all containers of reproductive material must be verified by the certifying agency before being transported from the receiving station. The producer is responsible for evidence of verification of the certification class applied for.

(3) Audit Class Reproductive Material.

(a) Buyer shall require collector to sign collector's registration (~~(109)~~) record and to complete collector's labels prior to purchase of reproductive material.

(b) Buyer shall maintain a buyer (~~(109)~~) record on a form for all reproductive material received, listing species, seed zone, elevation increment, units of reproductive material, date of purchase, collector's name and buyer.

(c) Buyer or other shipper of reproductive material shall maintain a transportation (~~(109)~~) record showing species, seed zone, elevation increment, units of reproductive material and date shipped.

(d) Producers of nursery stock shall maintain auditable records identifying the stock as being produced from Audit Class or better reproductive material.

AMENDATORY SECTION (Amending Order No. 1506, filed 4/11/77)

WAC 16-319-061 PROCESSING STANDARDS. (1) Applicant shall maintain a continuous record for each lot and batch of reproductive material at each plant or warehouse, showing lot and batch number or code, species, seed zone, breeding zone or code, elevation increment, date received and units of reproductive material. Reproductive material stored at plant or warehouse prior to processing shall be assembled by lot or batch and so arranged as to be reasonably accessible for audit. The auditor will advise producer before making changes in the certification class of cones or seed offered by the producer.

(2) Labels shall be maintained on containers until reproductive material is processed. During processing, labels shall be removed and immediately deposited in a container marked with the lot or batch designation or code. Upon completely emptying the containers for each lot or batch of Audit or Source Identified classes, the package of labels from it shall be closed and set aside for examination by the certifying agency auditor. All labels for Tested and Selected classes shall be attached to or placed inside of the seed containers by the producer for examination by the certifying agency auditor. These labels will remain with the seed until the lot is depleted.

(3) All reproductive material shall be handled in a manner to prevent lot mixture and maintain lot identity. All machinery, containers, and equipment shall be thoroughly cleaned before processing another lot or batch.

(4) Specific requirement: Certifying agency may refuse to certify reproductive material failing to meet the following maximum standards: Other distinguishable species or cultivars: Seed 0.5% by weight; trees, cuttings, scions, etc. 1% by number; pollen 1% by number.

(5) Labeling and sealing of Tested, Selected, or Source Identified reproductive material shall be done by the certifying agency.

(a) Labeling of Audit Class reproductive material will be done by the applicant with the label being affixed to the container: PROVIDED, That for small sales (any quantity of reproductive material less than a full container of a size normally used by the applicant) the label may be affixed to the invoice or sales slip.

(6) For each lot of Tested or Selected reproductive material, a Certificate of Genetic Identity shall be prepared and affirmed by the producer upon demand and, if verified by the certifying agency, must be signed and ~~((sealed-by-the-certifying-agency-before-labels and-seals-are-affixed-to-containers--Certificate-shall-include the-following-information))~~ placed in or attached to each container before other labels or seals are affixed. The Certificate of Genetic Identity shall include the following information:

(a) For both Tested and Selected reproductive material, the lot number, breeding zone or code and information on:

(i) The donor or parents which produced the reproductive material, including their selection generation, type of selection made, selected character(s), seed zone(s) and elevation increment(s) in which selection was made, and selection procedure.

(ii) For each prior selection generation, the same information.

(iii) For sexual reproductive material, whether pollination was controlled or not(~~(?)~~): If controlled, the pollen situation; if controlled, the pollen or pollen mix used, including identification of pollen parent(s), also the number of maternal parents, and, if applicable, the crossing design used.

(b) For Tested Reproductive Material only.

(i) A progeny, clonal, or other applicable test plan shall normally be submitted to the certifying agency for review and acceptance before installation. Acceptance of the test plan may be made after installation providing requirements in WAC 16-319-051(1) and WAC 16-319-061 (6) (b)(ii) are met. Applicant may request assistance from the certifying agency in the development of a plan.

(ii) The plan shall include in the test both randomization and replication for the material to be tested and the identity and background of the check material to be ~~((use))~~ used.

(iii) Complete randomization and balanced randomized blocks are recommended. The actual design of the established test must be recorded in detail.

(iv) Trees to be planted for tests must be grown together in soil as uniform as possible, or, if they are grown in different soils, must be so distributed that like proportions of all clones or progenies are produced in each distinct class of soil.

(v) Test measurements are to be presented in numerical form. Each character to be evaluated is to be measured separately. The genetic superiority as compared with the check must be clearly demonstrated for at least one of the characters being tested. Characters of economic importance in forestry identified in the test must be clearly reported if they are significantly inferior at the 95% (~~confidence~~) level to those of the check material.

(vi) The results of the test measurements and data shall be readily available to the certifying agency and prospective user or purchaser.

(7) A document, acceptable to the certifying agency for informing the purchaser of species and certification information of each item, and, for auditing purposes, shall be issued by the producer for each sale of Tested, Selected, Source Identified, and Audit Class reproductive material. Such document may be a Certificate of Origin for Tested, Selected, or Source Identified reproductive material, or an invoice, shipping order, or sales slip for Audit Class reproductive material. The certifying agency may authorize use of said Certificate of Origin for portions of reproductive material from labeled and sealed containers in lieu of labels and seals when relabeling and resealing by the certifying agency is impractical. No items of reproductive material ineligible for any class of certification shall be included on any Certificate of Origin.

(8) If a lot is composed of reproductive material from more than one seed zone, elevation increment or code in excess of seven percent (~~7%~~) if of contiguous seed zones, elevation increments, or codes or if in excess of two percent (~~2%~~) of other than contiguous seed zones, elevation increments, or codes, the certification label must show all seed zones, elevation increments, or codes either with or without the percentage of each.

(9) The allowance for accidental mixing of non-certifiable reproductive material with Audit Class, or non-certifiable or Audit Class reproductive material with Source Identified classes is two percent. When in excess of two percent, the lot must drop to the lowest class represented. No mixing of lower classes with Selected or Tested classes is permissible.

((+9)) (10) Any lot may be rejected if certifying agency determines that said lot fails to meet these standards. The privilege of certification may be withdrawn by certifying agency for a definite period of time in case of flagrant violations of these standards. If applicant believes an erroneous decision has been rendered, he may make written appeal to certifying agency for review by its governing body.