

State of Washington
DEPARTMENT OF AGRICULTURE
Olympia

PERMANENT ORDER NO. 925

Effective July 24, 1963

RULES AND STANDARDS FOR THE CERTIFICATION OF STRAWBERRY PLANTS

I, Joe Dwyer, Director of Agriculture, State of Washington, by virtue of the authority vested in me under Chapter 15.16 (Revised Code of Washington), after due notice and public hearing held in Olympia, Washington, June 10, 1963, (Pursuant to RCW 43.32.010 and 34.03.020), do hereby promulgate the following Rules and Standards for the certification of strawberry plants (Pursuant to Chapter 15.14 Planting Stock (Revised Code of Washington)):

Regulation 1. FEES

(a) Application Fee: \$40.00 for one (1) acre or less; \$5.00 for each additional acre or fraction thereof.

(b) Final Fee: The final fee shall be an additional \$5.00 for each acre or fraction thereof, due and payable when accepted by the Department at the time of completion of last field inspection. Fees will not be refunded unless notice of withdrawal is received in writing before the first inspection is made.

Each separate screenhouse or greenhouse lot and each field plot of one acre or less will be considered one acre. A separate application must be made for each lot of each variety and/or unit entered for certification.

(c) Applications must reach the Department of Agriculture, Olympia, by June 1. After this date there will be an additional fee of \$5.00. Applications will not be accepted later than June 30.

(d) Charges for PLOT or GREENHOUSE TESTING will be made and pro-rated in accordance with the cost involved. No sample will be tested unless accompanied by the required fee as prescribed by the Director.

(e) A grower desiring to produce certified strawberry plants as herein provided shall establish with the Department facts evidencing sufficient experience to produce healthy, high quality stock.

Regulation 2. ISOLATION REQUIREMENTS

(a) Foundation Stock: These must be produced in specially constructed houses to insure protection from virus vectors.

(b) Registered Stock: These must be produced in specially constructed houses or grown in areas sufficiently isolated from sources of strawberry viruses by distance or natural barriers, to minimize current infection.

(c) Certified Stock: Same as Registered Stock.

Regulation 3. REQUIREMENTS FOR THE PRODUCTION OF FOUNDATION AND REGISTERED STOCK

(a) Land Requirements: Plants shall be grown on land acceptable to the Department. A field to be eligible for the production of Registered stock must not have grown or been planted to strawberries during the previous year, unless planted with plants of the same variety and classification.

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(b) Plant Requirements:

1. Only Breeder's Planting Stock or Foundation Planting Stock which has been indexed may be entered for the production of Foundation Stock.
2. Only strawberry plants which have been random sampled, representing the entire lot and have been indexed and certified as Foundation Planting Stock may be entered for the production of Registered Stock.

(c) Miscellaneous Requirements:

1. Each varietal selection or class of plants must be separated by a strip of land at least 12 feet wide.
2. In roguing, growers must dig and destroy all low yielding, unhealthy appearing, not true-to-type, diseased or otherwise abnormal plants.
3. Insect pests and diseases are to be effectively controlled by dusting, spraying, or any other approved method.
4. All plant beds must be kept relatively free of weeds.

Regulation 4. REQUIREMENTS FOR THE PRODUCTION OF CERTIFIED STOCK

(a) Land Requirements: Plants shall be grown on land acceptable to the Department.

(b) Plant Requirements:

1. Only first year plantings from Foundation Planting Stock or Registered Planting Stock may be entered for the production of Certified Stock.
2. Exceptions may be made for desirable planting stock produced the previous year and having met the requirements enacted by the Department for the production of certified planting stock.

(c) Miscellaneous Requirements:

1. Each varietal selection or class of plants, must be separated by a strip of land, at least, 12 feet wide.
2. In roguing, growers must dig and immediately destroy all low yielding, unhealthy appearing, not true-to-type, diseased or otherwise abnormal plants.
3. Insect pests and diseases are to be effectively controlled by dusting, spraying or any other approved method.
4. All plant beds must be kept relatively free of weeds.

(d) Field Inspection: Field inspections will be made by the Department during the growing season and again in the Fall or as many times as deemed necessary.

Regulation 5. FIELD STANDARDS

(a) The entire field or unit shall meet certification requirements except when soil-borne pests are found in excess of tolerance in a portion of the field or unit, and the infestation can be safely delimited in the opinion of the Department; or when plants in the infested portion are treated to eradicate or to control the pest to comply with the tolerance under the supervision of the Department.

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(b) Specific Requirements:

TOLERANCE

Factors	Foundation	Registered	(Field)	Certified
	(All inspections)	(All inspections)	1st and 2nd	(Field)
	Percent	Percent	Percent	3rd
				Percent
Virus Diseases*	0	0	1	0.5
Red Stele*	0	0	0	0
Nematode*	0	0	0	0
Variety Mixture	0	0	0.1	0
All other diseases	0	0.5	2	1

*Visible

Regulation 6. DESIGNATION OF PLANTS

(a) FOUNDATION PLANTING STOCK will be designated by the official Certified Strawberry Blue Tag stamped "Foundation Planting Stock".

(b) REGISTERED PLANTING STOCK will be designated by the official Certified Strawberry Blue Tag stamped "Registered Planting Stock".

(c) No. 1 CERTIFIED PLANTING STOCK will be tagged with the official Certified Strawberry Blue Tag.

(d) No. 2 CERTIFIED PLANTING STOCK will be tagged with the official Certified Strawberry Yellow Tag.

Regulation 7. TAGGING AND PLANT INSPECTION

(a) "Certified" stock will be tagged with the official Certified Strawberry Tag under the supervision of the Department after the harvested plants have passed inspection.

(b) Crown division plants, if sold, shall be segregated and packed separately. The affixed tags must be stamped "Crown Divisions".

(c) Only plants meeting Washington Standards for strawberry plants shall be tagged, except Foundation, Registered, and Crown Division Planting Stocks.

(d) Lots of less than 500 plants will not be tagged, except Foundation Planting Stock and Registered Planting Stock.

(e) Growers will be expected to group orders as much as possible so as to facilitate tagging.

The Grower is referred to the "GENERAL RULES FOR PLANT CERTIFICATION" for additional information.

STANDARDS FOR STRAWBERRY PLANTS

Regulation 1 - WASHINGTON No. 1

(a) Washington No. 1 shall consist of strawberry plants of one variety or plants of similar varietal characteristics (1), which are fairly fresh (2), firm (3), moist (4), fairly clean (5), fairly well trimmed runner and petioles (6), and free from damage caused by sunburn (7), mold (8), black roots, freezing injury (9), broken or split crown or mechanical injury (10), and from detectable dangerous pests or disease (11).

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(b) For Marshall Type. The length of the main roots shall not be less than 3-1/2 inches, having not less than 12 main roots, with a minimum crown diameter of 5/16 inch, measured at the base of the crown.

(c) For Northwest Type. The length of the main roots shall be not less than 3-1/2 inches, having not less than 12 main roots, with a minimum crown diameter of 1/4 inches measured at the base of the crown.

Regulation 2. WASHINGTON NO. 2

(a) Washington No. 2 shall consist of strawberry plants of one variety or plants of similar varietal characteristics (1), which are fairly fresh (2), firm (3), moist (4), fairly clean (5), fairly well trimmed runners and petioles (6), and free from damage caused by sunburn (7), mold (8), black roots, freezing injury (9), broken or split crown or mechanical injury (10), and from detectable dangerous pests or diseases (11). Strawberry plants in this grade shall have, not less than 6 main roots, the length of which shall be not less than 2-1/2 inches.

Regulation 3. TOLERANCES

(a) Application of Tolerances. The tolerances for the standards are on a container basis. However, individual packages in any lot may vary from the specified tolerances as stated below, provided the averages for the entire lot, based on sample inspection, are within the tolerances specified.

(b) Tolerances. In order to allow for variations incident to proper grading and packing, not more than a combined total of 10 percent, by count, of the plants in any lot may fail to meet the requirements of the above grade. However, not to exceed 2 percent of this tolerance shall be allowed for damage caused by split or broken crowns or mechanical injury and not more than 5 percent of the plants may have petioles or runners in excess of 3 inches in length. No tolerance is permitted for detectable dangerous pests or diseases.

(c) Packing. Strawberry plants are to be packed in such manner that they will retain a fresh condition.

Regulation 4. DEFINITION OF TERMS (as used in these Standards)

(a) "Similar varietal characteristics" means that the plants have the same general character of growth.

(b) "Fairly Fresh" means that the roots and petioles are not excessively wilted or otherwise damaged.

(c) "Firm" means that the crown^s are not soft or spongy, although they may yield to slight pressure.

(d) "Moist" means that the plants are reasonably turgid and not dried to a degree that would affect normal growth.

(e) "Fairly Clean" means that the roots must be fairly clean and not matted or caked with dirt.

(f) "Fairly well trimmed runners and petioles" means that the runners and petioles shall be "fairly well trimmed" when the length of each does not exceed 3 inches.

(g) "Free from damage caused by sunburn" means that the roots shall not be damaged by sunburn or scald, but slight discoloration will be permitted.

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(h) "Free from damage caused by mold" means that the plants must be free from excessive mold or decay. Plants slightly affected by mold will be allowed.

(i) "Free from damage caused by black roots, freezing injury" means that the roots must be of a normal color and only moderately affected by discolored roots which affect the normal growth of the plant. Black roots caused by disease shall not be permitted.

(j) "Free from damage caused by broken or split crowns, or mechanical injury" means the breaking or severance of the crown from the root section or splitting of the crown or other mechanical injury that would affect the normal growth of the plant.

(k) "Free from detectable dangerous insect pests or diseases" means that no tolerance will be permitted for dangerous insects such as cyclamen mite, crown borer, or other destructive insect or detectable diseases that affect the strawberry plant.

I hereby certify that the foregoing is a true and correct copy of the regulation promulgated by the Department of Agriculture.



Joe Dwyer
Director of Agriculture
State of Washington

Signed at Olympia, Washington

Date: June 25, 1963

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