

State of Washington

DEPARTMENT OF AGRICULTURE

(agency name)

Administrative Order No. 1627

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

do promulgate and adopt at General Administration Building, Olympia, Washington (place)

the annexed rules relating to: Consolidating into a new order, orders numbered 1229, 1230, 1320, 1321 and 1322, and amending some Washington state standards for nursery stock and adopting some additional standards for nursery stock; adopting WAC 16-432-010, 16-432-020, 16-432-030, 16-432-040, 16-432-050, 16-432-060, 16-432-070, 16-432-080, 16-432-090, 16-432-100, 16-432-110, 16-432-120 and 16-432-130, and repealing WAC 16-427-001, 16-427-010, 16-427-015, 16-427-020, 16-427-025, 16-427-030, 16-427-040, 16-427-050, 16-427-060, 16-427-070, 16-428-001, 16-428-010, 16-428-020, 16-428-030, 16-428-040, 16-428-050, 16-428-060, 16-428-070, 16-429-001, (over

(2) ALTERNATIVE A. Use only for Adoption of Permanent Rules.

This action is taken pursuant to Notice No. 79-02-071 filed with the code reviser on 2/6/79. Such rules shall take effect:
ki pursuant to RCW 34.04.040(2).
ii 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):

- (a) This rule is promulgated pursuant to RCW 15.13 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 for filing pursuant to chapter 34.04 RCW and chapter 1-12 WAC.

APPROVED AND ADOPTED March 21 1979

STATE OF WASHINGTON FILED

By Bob J. Mickelson Director

MAR 21 1979

Title

CODE REVISER'S OFFICE

[Form CR-7: Effective 12/1/77]

## Chapter 16-432 WAC

## WASHINGTON STATE STANDARDS FOR NURSERY STOCK

NEW SECTION

WAC 16-432-010 GENERAL. (1) Grades and standards. Use of Washington grades is optional. If these grades are used, however, the plants must meet the grade specification.

(2) Nursery stock. Shall be true to name, and of the size or grade stated.

(3) Names. Usage shall conform to the rules of the "International Code of Nomenclature for Cultivated Plants".

(4) Quality. Shall be normal for the species when grown under proper cultural practices. Fertile soil, ample spacing, regular cultivation, weed control, spraying, adequate moisture, pruning and shearing, transplanting or root pruning not less than once in four years, depending on species, are all necessary requirements for normal quality nursery stock. All nursery stock shall be viable, substantially free from pests and disease, and undamaged. Roots shall not be subject to long exposure to drying winds, sun, or frost between digging and delivery. Root balls shall be free from pernicious perennial weeds.

(5) Packing or wrapping. Shall be adequate for the protection of the stock and sufficient to prevent heating or drying out during storage and/or transport.

(6) Grading.

(a) A uniform grading system for height and/or spread or caliper is recommended for, and is described, under each specific classification of nursery stock.

(b) In all cases, for purposes of simplicity, only one size per "grade" will be listed. That size will be the minimum size allowable for that "grade" and shall include plants from that size up to, but not including, the larger size. (Example: *Taxus C. Brownii* 30"; *Betula papyrifera* 8")

(7) Compliance with federal and state law. Plants regardless of certification as to grade, must comply with requirements and regulations of the United States department of agriculture, agricultural research service, plant quarantine division, and state laws.

NEW SECTION

WAC 16-432-020 MARKING REQUIREMENTS. All plants shall be plainly and legibly marked with stamped, mechanically printed, typewritten letters not less than one-fourth inch in height.

(1) Labeling.

(a) All collected plants shall be labeled "collected".

(b) When plants are on display for retail sales, one plant per block shall be labeled with correct name.

(c) On mixed blocks, each plant shall be properly labeled.

(d) Wholesale lots sold or shipped with two or more plants must have each variety and size segregated and tagged when requested by purchaser.

(e) Any substitution as to variety or grade shall be clearly indicated on the packing slip and on the pertinent labels.

(2) Advertising. All advertising of nursery stock shall include size of material advertised when the ad includes prices.

NEW SECTION

WAC 16-432-030 TOLERANCE. In order to allow for variations incident to proper grading and handling, not more than two percent, by count, of any lot may be below the requirements of this grade: PROVIDED, That a lower tolerance may be established by written contract between the parties concerned.

NEW SECTION

WAC 16-432-040 CONTAINER SPECIFICATIONS. (1) A container is a rigid self-supporting unit used to grow plant material.

(2) All standards and specifications of nursery stock shall be applicable to container grown stock.

(3) Container grown nursery stock shall be established in the container with branched root system to the extremity of the container (side walls) EXCEPT in the case of plants that are repotted in sterile media to meet export requirements.

(4) Plants in pots or other containers shall be in a container of adequate size for the size of the plant and shall have been acclimated to outside conditions, should be equal to and acceptable for field grown stock.

(5) Size of container shall be specified in addition to size of plant.

(6) A container is not a size grade.

NEW SECTION

WAC 16-432-050 TERMINOLOGY. CANE - Shall be considered a primary stem which starts from the ground at a point not higher than one-fourth the height of the plant.

STEM - Is a major structural portion of a plant originating in the lower one-third of the plant; the main axis of a plant: Leaf bearing and flower bearing as distinguished from the root bearing axis.

LEADER - The main stem or trunk that forms the apex of a tree.

CLUMP - Plant with two or more main stems at the ground line with the number of stems to be specified.

MULTI-STEM - Plant with two or more main stems starting near the ground from a primary stem.

## ABBREVIATIONS:

"C" means cutting;

"Div" means division;

"G" means grafted;

"L" means layered;

"R.P." means root pruned;

"S." means seedling;

"T." means transplanted. Use one T. for each time transplanted;

"2-0" means seedling two years old and not transplanted;

"2-1" means seedling three years old and once transplanted.

Definitions not specified above used in this order will be found in "A Technical Glossary of Horticultural and Landscape Terminology," Library of Congress Card Catalog Number 78-165521.



NEW SECTIONWAC 16-432-060 PLANT SPECIFICATIONS. (1) BALLED PLANTS.

## (a) Definitions.

(i) Balled and burlapped. Plants prepared for transplanting by digging them so that the soil immediately around the roots remains undisturbed. The ball of earth is then bound up in burlap or similar mesh fabrics. Abbreviated: B & B.

(ii) Balled and potted plants. Field grown plants dug with the ball of earth still intact in which they are growing and in lieu of burlapping are placed in a container to retain the ball unbroken. Abbreviated: B & P.

(iii) Balled wire container. A wire container may be used in lieu of burlap on large plants. None of above three are container grown.

## (b) Ball sizes.

(i) Ball sizes shall always be of a diameter and depth to encompass the fibrous and feeding root system necessary for the full recovery of the plant named.

(ii) Minimum ball size specifications for balled and potted plants shall be the same as for balled and burlapped plants.

(2) BARE ROOT PLANTS. All normal quality nursery stock shall have adequate fibrous root system that has been developed by proper cultivating practices, particularly transplanting or root pruning. Pertinent facts as to when larger nursery stock was transplanted or root pruned should be available to the buyer.

## (3) COLLECTED PLANTS.

(a) Collected plants shall be graded in the same manner as nursery grown ornamental evergreen plants.

(b) Native collected plant material shall be considered as nursery stock if it is grown in a nursery for a minimum of six months including at least three-month initiation of top growth.

NEW SECTIONWAC 16-432-070 YOUNG PLANTS SPECIFICATIONS. (1) GENERAL SPECIFICATIONS.

(a) Definition. This section is to cover small plants not covered in other sections of the standard. (Example: Seedling, ground covers, vines and lining out stock.)

(b) Quality. The quality of all young plants offered is assumed to be normal for the species or variety unless otherwise designated.

(c) Height measurement. Height measurement is from the ground level except on grafted stock.

(d) Trimming. Tops or roots will not be trimmed unless specified by grower or requested by purchaser. (See understock for grafting for general grading by caliper.)

## (2) MEASUREMENT DESIGNATION.

## (a) Dwarf and semi-dwarf.

Use two-inch intervals up to twelve inches (4" - 6" - 8" - 10" - 12")

Use three-inch intervals from twelve inches up (12" - 15" - 18")

(Examples: Berberis atropurpureum 'Crimson Pigmy'  
Picea abies 'Nidiformis'  
Sedums)

(b) Medium grower. Use three-inch intervals up.

(Examples: Azalea mollis  
Prunus laurocerasus 'Zabeliana'  
Hedera helix)

(c) Fast grower. Use six-inch intervals up.

(Examples: Acer rubrum  
Betula alba  
Cytisus 'Burkwoodi')

Forsythia  
Pinus, except dwarf type)

## (3) TYPES OF PLANTS.

(a) Type 1 - No stems. Measurement designates spread or age.

(Examples: Ajuga reptans  
Festuca ovina glauca  
Sagina subulata  
Sedums)

(b) Type 2 - Single stem.

(i) Spreading. Measurement designates spread, height not considered.

(Examples: Ceanothus gloriosus  
Cotoneaster dammeri  
Erica carnea  
Juniperus horizontalis 'Wiltonii'  
Mahonia nervosa)

(ii) Semi-spreading. Measurement by spread at least twice height.

(Examples: Ilex crenata 'Helleri'  
Juniperus chinensis pfitzeriana)

(iii) Globe. Measurement spread equal to height.

(Examples: Berberis thunbergi 'Crimson Pygmy'  
Deutzia gracilis  
Thuja oc. 'Little Gem')

(iv) Medium upright. Measurement designates height. Height spread ratio of two to one.

(Examples: Ilex crenata 'Rotundifolia'  
Pieris Japonica  
Rhododendron obtusum 'Hinodegiri')

(v) Upright. Measurement designates height or age.

(Examples: Acer palmatum  
Betula papyrifera  
Mahonia aquifolium  
Myrica californica  
Pseudotsuga menzeisii)

(c) Type 3 - Stoloniferous. Measurement - fullness or number of stolons.

(Examples: Gaultheria procumbens  
Pachysandra terminalis  
Vinca minor)

(d) Type 4 - Vining. Measurement designates lengths and/or numbers, runners and/or age.

(Examples: Hedera helix  
Clematis  
Wisteria)

NEW SECTIONWAC 16-432-080 DECIDUOUS FLOWERING SHRUBS AND SHADE TREES.

TYPES. Deciduous flowering shrubs and shade trees are considered under nine groups, according to their habit, number of stems and root spread.

(1) Deciduous shrubs.

(a) Type 1 - Dwarf shrubs.

Measurement designation

2" intervals to 12"

3" intervals to 18"

6" intervals to 36"

6" shrubs shall have no less than 2 stems,

9" shrubs shall have no less than 3 stems,

12" shrubs shall have no less than 4 stems,

15" shrubs shall have no less than 4 stems,  
 18" shrubs shall have no less than 5 stems,  
 21" shrubs shall have no less than 5 stems,  
 2' shrubs shall have no less than 6 stems,  
 2-1/2' shrubs shall have no less than 7 stems,

Examples: Berberis thunbergi 'Crimson Pygmy'  
 Deutzia (dwarf forms)  
 Potentilla fruticosa  
 Spirea 'Anthony Waterer'

(b) Type 2 - Semi-dwarf.

Measurement designation

3" intervals to 18"

6" intervals to 36"

6" shrubs shall have no less than 2 stems,  
 9" shrubs shall have no less than 3 stems,  
 12" shrubs shall have no less than 3 stems,  
 15" shrubs shall have no less than 3 stems,  
 18" shrubs shall have no less than 3 stems,  
 21" shrubs shall have no less than 3 stems,  
 2' shrubs shall have no less than 4 stems,  
 2-1/2' shrubs shall have no less than 4 stems,

Examples: Azalea (deciduous)  
 Berberis thunbergi  
 Cornus alba 'Sibirica'  
 Rosa multiflora setigera  
 Ligustrum  
 Potentilla

(c) Type 3 - Strong growing.

Measurement designation

6" intervals to 36"

1' intervals to 5'

6" shrubs shall have no less than 2 stems,  
 12" shrubs shall have no less than 3 stems,  
 18" shrubs shall have no less than 3 stems,  
 2' shrubs shall have no less than 3 stems,  
 3' shrubs shall have no less than 4 stems,  
 4' shrubs shall have no less than 5 stems,

Examples: Chaenomeles  
 Forsythia (all varieties)  
 Hydrangea  
 Philadelphus virginialis  
 Prunus (bush forms)  
 Symphoricarpos albus  
 Syringa chinesis  
 Viburnum tomentosum

(d) Type 4 - Strong growing, light structure.

Measurement designation

Same as Type 3

6" shrubs shall have no less than 1 stem,  
 12" shrubs shall have no less than 2 stems,  
 18" shrubs shall have no less than 2 stems,  
 2' shrubs shall have no less than 2 stems,  
 3' shrubs shall have no less than 3 stems,  
 4' shrubs shall have no less than 4 stems,

Examples: Cotinus coggygria  
 Syringa vulgaris  
 Tamarix

(2) Shade and flowering trees.

(a) Caliper and height measurements.

(i) In size grading container or B & B trees, caliper shall take precedence over height.

(ii) In size grading bare root trees, height shall take precedence to 6 feet, thereafter caliper takes precedence. Two grades above specified height will be allowable to attain specified caliper.

(iii) Trunk caliper shall be taken 6 inches above the ground level at which the plant has been growing up to and including 4 inch caliper size and 12 inches for larger sizes.

(iv) For budded or grafted stock, caliper shall be measured 2 inches above bud collar or graft.

(v) Height measurements less than the minimum height listed may be in 6 inch increments.

(b) Types of trees.

(i) Type A - Shade trees.

Caliper -----	Minimum Height -----
1"	4'
1 1/4"	6'
1 1/2"	8'
1 3/4"	10'
2"	12'
2 1/2"	12'
3"	14'
3 1/2"	14'
4"	16'
5"	18'

Examples: Acer platanoides  
 Betula  
 Fraxinus  
 Populus  
 Salix  
 Zelkova

(ii) Type B - Slower growing shade trees. Trees of slower growth which will not usually attain the height measurement in relation to caliper as in Type A. The height should, however, be not less than two-thirds the height in relation to caliper given for Type A.

Examples: Liquidamber styraciflua      Quercus rubra  
 Laburnum      Malus 'Hopa'

(c) Type C - Small upright and small flowering trees. This is a broad group including small trees as well as usual forms of plants which may be grown as a clump or shrub. For single stem plants, the minimum relationship of caliper and height will be as follows:

Minimum Height -----	Caliper -----	Branches -----
2'	-	2 or more
2 1/2'	-	2 or more
3'	-	2 or more
4'	-	3 or more
5'	-	4 or more
6'	3/4"	5 or more
7'	1"	6 or more
8'	1"	7 or more

Examples: *Acer circinatum*  
*Malus* (most crabapples)  
*Magnolias*  
*Prunus* 'Thundercloud'  
*Styrax*

(d) Type D - Small spreading trees. This is a group including small spreading trees of dwarf habit of growth and certain large shrubs grown in tree or multi-stemmed form. Height shall be the governing measurement. For single stem plants, the minimum branching should be as follows:

2 feet - 4 or more branches  
 2 1/2 feet - 4 or more branches  
 3 feet - 5 or more branches  
 3 1/2 feet - 6 or more branches  
 4 feet - 7 or more branches  
 5 feet - 8 or more branches  
 6 feet - 8 or more branches

Examples: *Acer palmatum*  
*Cornus*  
*Magnolia stellata*

(e) Type E - Clump types. Tall growing trees with 2 or more main stems. No stems shall be included in total count which vary more than one grade from the size specified, and in no case can one stem be in excess of one grade flower than the size specified. Also in each instance all countable stems shall average, in aggregate, the size specified.

#### NEW SECTION

WAC 16-432-090 CONIFEROUS EVERGREENS. (1) Definition. Needle-bearing plants. A plant which bears seeds in a cone; with the exception of the larches and the bald cypress, practically all conifers are evergreen. (See WAC 16-432-080, Deciduous Flowering Shrubs and Shade Trees)

(2) Grade terms. (Growth patterns)

(a) Dwarf or slow grower - Use 2-inch intervals up to 12 inches.

(b) Medium grower - Use 3-inch intervals up to 24 inches.

(c) Fast grower - Use 6-inch intervals up to 5 feet.

(3) Measurement of types.

(a) Type 1 - Spreading. Measurement designates spread (height not considered).

Example: *Juniperus horizontalis* (and varieties)  
*Pinus mugho*  
*Taxus baccata* 'Repandens'

(b) Type 2 - Globe or dwarf. Measurement designates height. Spread should not be less than two-thirds of the height.

Example: *Chamaecyparis obtusa* 'Nana'  
*Picea abies* 'Nidiformis'  
*Thuja occidentalis* 'Little Gem'

(c) Type 3 - Cone (Pyramidal). Measurement designates height. Spread should not be less than one-half the height.

Example: *Chamaecyparis obtusa* Gracilis  
*Cedrus deodara*



*Taxus cuspidata capitata*

*Thuja occidentalis*

(d) Type 4 - Broad upright. Measurement designates height. Spread should not be less than one-third the height.

Example: Cham. L. 'Allumii'  
*Juniperus chinensis* 'Keteleeri'  
*Picea abies*  
*Pinus nigra*

(e) Type 5 - Columnar. Measurement designates height. Spread should not be less than one-fifth the height.

Example: *Cupressus sempervirens* (Italian Cypress)  
*Thuja occidentalis*, *orientalis* (columnar type varieties)  
*Taxus media* 'Hicksii'  
*Taxus baccata* 'Fastigiata'

#### NEW SECTION

WAC 16-432-100 BROADLEAF EVERGREEN SHRUBS. (1) GENERAL SPECIFICATIONS. (See WAC 16-432-080, Deciduous Flowering Shrubs and Shade Trees)

(a) Definition. Plants which maintain live foliage throughout the year.

(b) Measurement of height should begin at the ground line and should continue up to where the main part of the plant ends and not to the tip of a thin shoot.

(c) Measurement at spread should be average fill of plant and not the greatest diameter.

(d) All unbranched plants shall be so designated when spread is involved in the measurement.

(e) For tree forms, see shade and flowering trees.

(2) GRADE TERMS (Growth patterns).

(a) Dwarf or slow grower - Use 2-inch intervals up to 12 inches.

(b) Medium grower - Use 3-inch intervals up to 24 inches.

(c) Fast grower - Use 6-inch intervals up to 5 feet.

(3) MEASUREMENT OF TYPES.

(a) Type 1 - Spreading or semi-spreading. Measurement designates spread (height not considered).

Example: *Cotoneaster dammeri*  
*Mahonia nervosa*  
*Azalea* 'Gumpo'  
*Rhododendron* 'Elisabeth'  
*Erica* in variety

(b) Type 2 - Globe or dwarf. Measurement designates height. Spread should not be less than two-thirds of the height.

Example: *Buxus sempervirens* 'Truedwarf'  
*Ilex crenata* 'Convexa'  
*Berberis Verruculosa*  
*Rhododendron* 'Unique'  
*Pieris japonica*

(c) Type 3 - Cone pyramidal. Measurement designates height. Spread should not be less than one-half the width.

Example: *Chamaecyparis obtusa* Gracilis  
*Cedrus deodara*

Taxus cuspidata capitata  
Thuja occidentalis

(d) Type 4 - Broad upright. Measurement designates height. The spread should not be less than one-third of the height.

Example: Camellia japonica  
Mahonia aquifolium  
Pyracantha (tall type)  
Viburnum tinus  
Rhododendron 'Arthur Bedford'  
Ilex aquifolium  
Ilex opaca

(e) Type 5 - Columnar cone. Measurement designates height. Spread should not be less than one-fifth of the height.

Example: Rhododendron 'Yellow Hammer'  
Ilex crenata 'Mariesii'  
Cotoneaster 'Hybridus Pendulus'

#### NEW SECTION

#### WAC 16-432-110 FRUIT TREES. (1) GENERAL.

Caliper should be taken two inches above bud.

Height should be taken from the ground level or collar.

Caliper shall govern.

All trees should have reasonably straight trunks.

#### (2) MEASUREMENT DESIGNATIONS.

(a) Branched trees.

5/16" and larger should be branched except one year Sweet Cherry.

5/8" and larger should have three or more side branches.

Caliper (in inches)	Recommended Metric Equivalent	Minimum Heights unless otherwise specified	
		Feet	Metric
-----			
Standard Apple, Cherry-Sweet, Peach, Almond, Nectarine, Pear, Apricot, Prune and Plum (1 and 2 years)			
1"	25 mm	6'	1.75m
7/8"	22 mm	5'	1.5 m
3/4"	20 mm	5'	1.5 m
5/8"	16 mm	4'	1.25 m
1/2"	13 mm	3-1/2'	1.0 m
3/8"	10 mm	3'	90 cm
5/16"	8 mm	2-1/2'	80 cm
1/4"	6 mm	2'	60 cm
-----			
Standard Cherry-Sour and Dwarf Peach, Pear, Nectarine, Apricot, Prune and Plum (on clonal rootstock only)			
1"	25 mm	5'	1.5 m
7/8"	22 mm	4-1/2'	1.4 m
3/4"	20 mm	4-1/2'	1.4 m
5/8"	16 mm	4'	1.25 m
1/2"	13 mm	3-1/2'	1.0 m
3/8"	10 mm	3'	90 cm
5/16"	8 mm	2-1/2'	80 cm
1/4"	6 mm	2'	60 cm

Caliper (in inches)	Recommended Metric Equivalent	Minimum Heights unless otherwise specified Feet	Metric
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Dwarf apple (including clonal rootstocks and interstem trees)

1"	25 mm	5-1/2'	1.6 m
7/8"	22 mm	5'	1.5 m
3/4"	20 mm	5'	1.5 m
5/8"	16 mm	4-1/2'	1.4 m
1/2"	13 mm	4'	1.25 m
3/8"	10 mm	3-1/2'	1.0 m
5/16"	8 mm	3'	90 cm
1/4"	6 mm	2'	60 cm

(b) Partially branched or one-year whips. Measured by caliper only.

1" -- 7/8" -- 3/4" -- 5/8" -- 1/2" -- 3/8" -- 1/4"

(c) For small tree seedlings and dwarf understock see "Understock for grafting and budding."

#### NEW SECTION

WAC 116-432-120 UNDERSTOCK FOR GRAFTING AND BUDDING. Measurement designations.

(1) FRUIT AND TREE SEEDLINGS.

(a) Caliper measurement. Caliper shall be taken at the collar or ground line. Grades should be designated as follows:

Caliper (in inches)	Recommended Metric Equivalent	Minimum Height (in inches)
1/2"	12 mm	12"
3/8"	9 mm	9"
1/4"	7 mm	7"
3/16"	5 mm	5"
2/16"	4 mm	4"
1/16"	3 mm	4"

Exception: Grade No. 1 "straight" of apple seedlings should be graded from 3/16-inch caliper (optional metric range should be from 5 mm to 8 mm).

(b) Seedlings with limbs. In case of seedlings with limbs, there should be at least two inches (5 cm) above the collar free of limbs for a minimum of one-half of the circumference of the seedling.

(c) Root descriptions. In case of apple and pear seedlings, where the root description is given as branched or straight, the following shall apply:

(i) Branched root: Not less than three root branches must be present within five inches (12.5 cm) from the collar.

(ii) Straight root: The root shall carry the minimum caliper of the grade for not less than six inches (15 cm) from the collar.

(2) Vegetatively propagated fruit stock.

(a) In the case of fruit understock grown from "cuttings" or from layerage, the caliper shall be taken on the original cutting or layer at a point ten inches (25 cm) above the collar.

(b) All forms of vegetatively propagated fruit tree rootstock should have a minimum of four rootlets on each cutting or layer.

(i) Examples: Merton Malling Nos. 111, 106, M-7A, M-9, M-26, M-27 apple, Prunus marriana and Prunus myrobolan.

(ii) Exception: Any rootstocks not meeting the above specifications for root systems should be labeled as "unclassified" grade and the minimum numbers of rootlets specified.

(3) Conifers - Evergreens.

Height	Minimum Caliper	
6"	1/4"	7 mm
5"	3/16"	5 mm
4"	1/8"	4 mm
4"	1/16"	3 mm

NEW SECTION

WAC 16-432-130 NURSERY STOCK STANDARD FOR ROSES. (1) GENERAL SPECIFICATIONS. (a) Washington grades No. 1, No. 1-1/2 and No. 2 should meet the specified size requirements in the table under size terms.

(b) Classification of roses will be based on the latest publication of Modern Roses.

(2) MEASUREMENT DESIGNATIONS.

(a) Maximum branching height shall be three inches above bud union.

(b) The specifications outlined for length of canes is applicable before pruning in preparation for sale.

Tea, Hybrid Tea, Grandiflora, Rugosa Hybrids, Perpetuals, and Moss Roses and miscellaneous Bush Roses.

	Strong Growing Number of Canes Ht.	Light Growing Number of Canes Ht.
No. 1	3 (2 of which are 16")	3 (2 of which are 16")
No. 1-1/2	2 15"	2 13"
No. 2	2 12"	2 10"
Floribunda		
No. 1	3 (2 of which are 15")	
No. 1-1/2	2 14"	
No. 2	2 12"	
Polyantha and Low Growing Floribunda		
No. 1	4 10"	
No. 1-1/2	3 8"	
No. 2	2 8"	
Climbing		
No. 1	3 16"	
No. 1-1/2	2 13"	
No. 2	2 12"	
Wichuriana and Wachuriana Types		
No. 1	4 16"	
No. 1-1/2	3 13"	
No. 2	3 10"	



REPEALER

Chapter 16-427 of the Washington Administrative Code is repealed in its entirety as follows:

- (1) WAC 16-427-001 PROMULGATION.
- (2) WAC 16-427-010 GRADES AND STANDARDS.
- (3) WAC 16-427-015 TOLERANCE.
- (4) WAC 16-427-020 SIZE TERMS.
- (5) WAC 16-427-025 BALLED AND BURLAPPED AND CONTAINER GROWN.
- (6) WAC 16-427-030 MARKING REQUIREMENTS.
- (7) WAC 16-427-040 DEFINITION OF TERMS.
- (8) WAC 16-427-050 COMPLIANCE WITH FEDERAL AND STATE LAW.
- (9) WAC 16-427-060 COLLECTED PLANTS.
- (10) WAC 16-427-070 EFFECTIVE DATE.

REPEALER

Chapter 16-428 of the Washington Administrative Code is repealed in its entirety as follows:

- (1) WAC 16-428-001 PROMULGATION.
- (2) WAC 16-428-010 GRADES AND STANDARDS.
- (3) WAC 16-428-020 MEASUREMENT.
- (4) WAC 16-428-030 MARKING.
- (5) WAC 16-428-040 COMPLIANCE WITH FEDERAL AND STATE LAW.
- (6) WAC 16-428-050 CONTAINER GROWN.
- (7) WAC 16-428-060 SIZE TERMS.
- (8) WAC 16-428-070 EFFECTIVE DATE.

REPEALER

Chapter 16-429 of the Washington Administrative Code is repealed in its entirety as follows:

- (1) WAC 16-429-001 PROMULGATION.
- (2) WAC 16-429-010 GRADES AND STANDARDS.
- (3) WAC 16-429-020 TOLERANCE.
- (4) WAC 16-429-030 MARKING REQUIREMENTS.
- (5) WAC 16-429-040 COMPLIANCE WITH FEDERAL AND STATE LAW.
- (6) WAC 16-429-050 COLLECTED PLANTS.
- (7) WAC 16-429-060 SIZE TERMS.
- (8) WAC 16-429-070 CONDITION OF ROOT SYSTEM.
- (9) WAC 16-429-080 DEFINITION OF TERMS.
- (10) WAC 16-429-090 MEASUREMENT OF TYPES.
- (11) WAC 16-429-100 EFFECTIVE DATE.

REPEALER

Chapter 16-430 of the Washington Administrative Code is repealed in its entirety as follows:

- (1) WAC 16-430-001 PROMULGATION.
- (2) WAC 16-430-010 GRADES AND STANDARDS.
- (3) WAC 16-430-015 TOLERANCE.
- (4) WAC 16-430-020 SIZE TERMS.
- (5) WAC 16-430-025 BALLED AND BURLAPPED AND CONTAINER GROWN.
- (6) WAC 16-430-040 MARKING REQUIREMENTS.
- (7) WAC 16-430-050 DEFINITION OF TERMS.
- (8) WAC 16-430-060 MEASUREMENT OF TYPES.
- (9) WAC 16-430-070 COMPLIANCE WITH FEDERAL AND STATE LAW.
- (10) WAC 16-430-100 COLLECTED PLANTS.
- (11) WAC 16-430-110 EFFECTIVE DATE.



REPEALER

Chapter 16-454 of the Washington Administrative Code is repealed in its entirety as follows:

- (1) WAC 16-454-050 PROMULGATION.
- (2) WAC 16-454-055 GRADES AND STANDARDS.
- (3) WAC 16-454-060 TOLERANCE.
- (4) WAC 16-454-065 MARKING REQUIREMENTS.
- (5) WAC 16-454-070 COMPLIANCE WITH FEDERAL AND STATE LAW.
- (6) WAC 16-454-075 COLLECTED PLANTS.
- (7) WAC 16-454-080 MEASUREMENT.
- (8) WAC 16-454-085 SIZE TERMS.
- (9) WAC 16-454-090 CONTAINER GROWN ROSES.
- (10) WAC 16-454-095 EFFECTIVE DATE.



STATE OF  
WASHINGTON

Dixy Lee Ray  
Governor

DEPARTMENT OF AGRICULTURE

406 General Administration Building, Olympia, Washington 98504

March 21, 1979

RULE PURPOSE STATEMENT

- 1) State Department of Agriculture Administrative Order No. 1627 relates to Washington State Standards for nursery stock.
- 2) This order consolidates into one new order existing Administrative Orders numbered 1229, 1230, 1320, 1321 and 1322; repealing in their entirety Chapters 16-427, 16-428, 16-429, 16-430 and 16-454; amending some Washington state standards for nursery stock and adopting some additional standards.
- 3) Agency personnel:  
  
C. T. Nielsen, Assistant Director and Supervisor,  
Plant Industry Division,  
A. R. Hurd, Assistant Supervisor, Plant Industry  
Division  
418 General Administration Bldg.  
753-5052
- 4) This hearing was requested by industry. The nursery industry through their grades and standards committee chairman, Bruce Briggs, has been working on these grades and standards for the past two years.
- 5) No proponents or opponents.