

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. 1200  
Emergency rules

relating to (Name of rules or description of subject matter)

Grades and Standards for Certified Seed Potatoes

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

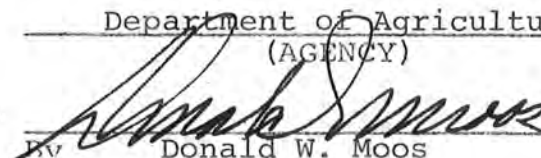
pursuant to Notice No. 2978 <sup>①</sup> filed with the code reviser  
on 4/2/71 <sup>②</sup> were regularly adopted as permanent rules of this  
(date)  
agency at Olympia, Washington on 5/5/71 and are herewith  
(place) (date)  
filed in the office of the code reviser pursuant to chapter 34.04  
RCW. The effective date of such rules shall be 6/7/71 <sup>③</sup>

(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 fifth day of May 1971

STATE OF WASHINGTON  
**FILED**  
MAY 5 - 1971  
CODE REVISER'S OFFICE  
KET.# FILE #

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

- 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.

Chapter 16-446

GRADES AND STANDARDS FOR CERTIFIED SEED POTATOES

STATE OF WASHINGTON  
 DEPARTMENT OF AGRICULTURE  
 OLYMPIA

ORDER NO. 1200  
 GRADES AND STANDARDS FOR CERTIFIED SEED POTATOES  
 Effective June 7, 1971

NEW

WAC 16-446-001 PROMULGATION. I, Donald W. Moos, director of agriculture of the state of Washington, by virtue of the authority vested in me under Chapter 15.14 RCW and after due notice as provided under Chapters 34.04 and 42.32 RCW and a public hearing held in Olympia, Washington, April 27, 1971, do hereby promulgate the following regulations relating to grades and standards for certified seed potatoes.

NEW

WAC 16-446-100 TUBER INSPECTION - DISEASES AND GRADES. U. S. Standards for Potatoes shall be the official guide for applying and interpreting all definitions and terms used in the Washington certified seed grades below.

NEW

WAC 16-446-110 SPECIFIC REQUIREMENTS (Percentage tolerances).

Disease or Defects	Foundation	Certified
Bacterial Ring Rot, Powdery Scab, Black Wart, Tuber Moth, Nematodes	0.00 %	0.00 %
Net Necrosis associated with Leaf Roll	0.25 %	1.00 %
Scab (deep pitted)	1.00 %	3.00 %
Variety Mixture	0.00 %	0.25 %
Condition Requirement	Any lot of seed potatoes may be denied certification if a condition develops which seriously affects the seed value. Stock having been certified and a certificate written - then held in storage longer than 30 days, must be reconditioned or a Condition Certificate made if decay or other condition factors are greater than that allowed in grade tolerances.	

NEW

WAC 16-446-120 WASHINGTON NO. 1 CERTIFIED SEED POTATOES (Blue Tag Stock) Shall consist of potatoes of one variety which are fairly well shaped, free from recognizable spindle tuber, deep scab, late blight, freezing injury and from soft rot or wet breakdown; and from damage caused by disease, insect, mechanical or other means; dirt or other foreign matter; second growth; growth cracks; sprouting; shriveling; surface scab; rhizoctonia; stem end discoloration; dry rot.

The size of Washington No. 1 certified seed potatoes shall be not less than 1-1/2 ounces or 1-1/2 inches minimum diameter, or more than fourteen ounces in weight. Definitions and tolerances for the above grade will be found under WAC 16-446-160, WAC 16-446-170, WAC 16-446-180 and WAC 16-446-190.

NEW WAC 16-446-130 WASHINGTON NO. 2 CERTIFIED SEED POTATOES (Red Tag Stock). Shall consist of potatoes of one variety which are free from recognizable spindle tuber, freezing injury, late blight and from soft rot or wet breakdown; and from serious damage caused by disease, insect, mechanical or other means; dirt or other foreign matter; second growth; growth cracks; shriveling; surface scab; dry rot.

The size of Washington No. 2 certified seed potatoes shall be not less than one ounce or more than eighteen ounces in weight. Definitions and tolerances for the above grade will be found under WAC 16-446-160, WAC 16-446-170 and WAC 16-446-200.

NEW WAC 16-446-140 WASHINGTON SINGLE DROP CERTIFIED SEED POTATOES (White Tag Stock). Shall consist of potatoes which meet all requirements of Washington No. 2 certified seed potato grade: PROVIDED, The size shall be not less than one or more than three ounces in weight. Definitions and tolerances for the above grade will be found under WAC 16-446-160, WAC 16-446-170 and WAC 16-446-200.

NEW WAC 16-446-150 WASHINGTON BUFF CERTIFIED SEED POTATOES (Buff Tag Stock). Shall consist of potatoes of one variety which are free from recognizable spindle tuber, late blight, freezing injury and from soft rot or wet breakdown; and from serious damage caused by disease, insect, mechanical, or other means; dirt or other foreign matter or dry rot.

No size requirement. The size of Washington Buff certified seed potatoes is not regulated except as to agreement between buyer and seller. Definitions and tolerances for the above grade will be found under WAC 16-446-160, WAC 16-446-170 and WAC 16-446-200.

NEW WAC 16-446-160 MARKING REQUIREMENTS. Applies to all grades. Lot number, variety, grower's name and address, net weight, and tagged with appropriate tag for grade.

NEW WAC 16-446-170 TOLERANCES. Applies to all grades.

(1) In order to allow for variations other than size, and internal discoloration, incident to proper grading and handling, not more than a total of six percent of the potatoes in any lot may fail to meet the requirements of the grade but not more than one-sixth of this amount, or one percent, shall be allowed for potatoes affected by late blight, potatoes which are frozen, or affected by soft rot or wet breakdown. In addition, in blue, red and white tag stock, not more than five percent of the potatoes may be damaged by internal discoloration. No more than three percent may be below the minimum sizes or more than six percent above maximum sizes specified in the grades.

(2) The tolerances specified shall be placed on a container basis. However, any lot of seed potatoes shall be considered as meeting the requirements of the grade, if upon inspection, no sample from a single container, in any lot, is found to exceed the tolerances specified by more than double the amount allowed: PROVIDED, That the entire lot shall average within the tolerances specified.

(3) All percentages shall be calculated on the basis of weight.

NEW

WAC 16-446-180 DEFINITION OF TERMS. Applies to Washington No. 1 (WAC 16-446-120). "Fairly well shaped" means potatoes are not materially pointed, dumb-bell shaped, or otherwise ill formed.

NEW

WAC 16-446-190 DEFINITION - DAMAGE. Applies to Washington No. 1 (WAC 16-446-120). "Damage" means any injury, disease, insect, or defect which materially affects the appearance or which materially injures the potato for seed purposes. Any one of the following defects or any combination of defects, the seriousness of which exceeds the maximum allowed for any one defect shall be considered as damage:

(1) Dirt or foreign matter which materially affects the general appearance of the lot; a potato having an appreciable amount of caked dirt shall also be considered as damaged.

(2) Second growth which has developed to such an extent as to materially affect the appearance of the potato.

(3) Growth cracks which are not shallow or not well healed.

(4) Sprouting, when the sprouts are over three-fourths inch long on ten percent of the tubers.

(5) Shriveling, when the tuber is more than slightly shriveled.

(6) Surface scab which covers more than ten percent of the surface of the potato in the aggregate, on ten percent of the tubers.

(7) Rhizoctonia which covers more than five percent of the surface of the potato in the aggregate, on twenty-five percent of the tubers.

(8) Stem end discoloration which extends over one-half inch into the flesh of the potato.

(9) Dry rot which cannot be removed without a loss of more than five percent of the total weight of the potato, including the peel.

NEW

WAC 16-446-200 DEFINITION - SERIOUS DAMAGE. Applies to all grades. "Serious damage" means any injury, disease, insect, or defect which seriously injures the appearance of the individual potato or the general appearance of the potatoes in the container, or which causes a loss of more than ten percent of the total weight of the potato for seed purposes. Any one of the following defects or any combination of defects, the seriousness of which exceeds the maximum allowed for any one defect shall be considered as serious damage.

(1) Dirt or foreign matter when the general appearance of the potatoes is seriously affected by tubers badly caked with dirt or other foreign matter.

(2) Second growth when more than one well attached knob is over ten percent of the total weight of the tuber, or when the knob is broken.

(3) Growth cracks, cuts, and deep bruises which seriously affect the potato for seed purposes.

(4) Shriveling when the potato is excessively shriveled, spongy or flabby.


(5) Surface scab which covers an area of more than twenty percent of the surface of the potato in the aggregate, on more than twenty-five percent of the tubers.

(6) Dry rot which cannot be removed without a loss of more than ten percent of the total weight of potato, including the peel.

NEW

WAC 16-446-210 EFFECTIVE DATE. This order shall take effect on and after June 7, 1971.

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: May 5, 1971