

Chapter 16-334 WAC
GARLIC PLANTING STOCK REGISTRATION AND CERTIFICATION

Last Update: 6/22/09

WAC

16-334-010	Definitions.
16-334-020	Garlic seed—General.
16-334-030	Requirements for participation in the seed garlic certification program.
16-334-040	Inspection and testing requirements for certification.
16-334-050	Conditions under which certification may be refused.
16-334-060	Responsibilities of the grower.
16-334-070	Storage requirements for registered and certified garlic seed.
16-334-080	Movement of garlic planting stock—Permit required.

WAC 16-334-010 Definitions. (1) "Certified block" means a planting of a single variety of garlic established from foundation stock, registered stock or certified stock, which complies with the requirements of this chapter.

(2) "Certified stock" means garlic which is produced in a certified block and/or which complies with the requirements of this chapter.

(3) "Department" means the Washington state department of agriculture.

(4) "Director" means the director of the Washington state department of agriculture or the director's duly authorized representative.

(5) "Foundation block" means a garlic planting established from stock subjected to a laboratory disease elimination procedure approved by the director, which complies with the requirements of this chapter.

(6) "Foundation stock" means garlic which is produced in a foundation block and which complies with the requirements of this chapter.

(7) "Garlic" means plants, plantlets, cloves, bulbs or any plant part of *Allium sativum* or related varieties.

(8) "Garlic seed" means vegetatively propagated bulbs or cloves of garlic used for planting purposes.

(9) "Off-type" means appearing different by visual examination from the variety listed on the application or exhibiting symptoms of a genetic or nontransmissible disorder.

(10) "Planting stock" means certified stock, registered stock or foundation stock.

(11) "Registered block" means a planting of a single variety of garlic which is established from foundation stock or registered stock and which complies with the requirements of this chapter.

(12) "Registered stock" means garlic which is produced in a registered block and which complies with the requirements of this chapter.

(13) "Stem and bulb nematode" means *Ditylenchus dipsaci*.

(14) "White rot fungus" means *Sclerotinium cepivorum*.

[Statutory Authority: Chapter 15.14 RCW. WSR 98-11-048, § 16-334-010, filed 5/18/98, effective 6/18/98.]

WAC 16-334-020 Garlic seed—General. (1) Issuance of a state of Washington certified plant tag, stamp or other document means only that the tagged, stamped, or otherwise documented plant materials have been subjected to procedures and requirements described in this chapter and determined to be in compliance with its standards and requirements. The department disclaims all expressed or implied warranties, including without limitation, implied warranties of merchantability

and fitness for particular purpose, regarding all plants, plant parts, and plant materials.

(2) The department is not responsible for disease, genetic disorder, off-type, failure of performance, mislabeling, or otherwise, in connection with this chapter.

(3) No grower, nursery dealer, government official, or other person is authorized to give any expressed or implied warranty, or to accept financial responsibility on behalf of the department regarding certification.

(4) Participation in the seed garlic certification program is voluntary.

[Statutory Authority: Chapter 15.14 RCW. WSR 98-11-048, § 16-334-020, filed 5/18/98, effective 6/18/98.]

WAC 16-334-030 Requirements for participation in the seed garlic certification program. (1) Participants in the seed garlic certification program must submit an annual two-hundred dollar application fee and all applications for plant propagation and certification by July 1 prior to planting. A separate application form must be used for each variety to be certified.

(2) As a condition of participation in the seed garlic certification program, the applicant grower must furnish the department all requested information pertinent to the operation of the program and must give consent to the department to take material for examination and testing.

(3) Garlic seed to be planted into registered or certified blocks must be inspected and tested in compliance with WAC 16-334-030 during the prior growing season by the department or by another certifying agency approved by the department. All such garlic seed must be found to be free of stem and bulb nematode and white rot fungus.

(4) Foundation blocks must be planted with garlic seed that has been through an approved disease elimination process.

(5) Registered blocks must be planted with garlic seed that originates from an approved program as foundation or registered stock.

(6) Certified blocks must be planted with garlic seed that originates from an approved program as foundation stock, registered stock or certified stock. The department may accept other garlic seed as certified stock, if the garlic seed has been inspected, tested, and found free of stem and bulb nematode and white rot fungi, as specified in subsection (3) above, for the previous two growing seasons.

(7) Planting sites for foundation, registered and certified blocks must be inspected and approved by the department at least 30 days prior to planting. At a minimum, planting sites must comply with all of the following criteria:

(a) The site has been out of *Allium spp.* production for at least five years;

(b) The site is found free of stem and bulb nematode based on an official laboratory test;

(c) The site is not infested with white rot fungus;

(d) The site is not likely to become infested with stem and bulb nematode or white rot fungus by drainage, flooding or irrigation;

(e) The site is separated from all other certified, registered, or foundation blocks by a minimum of six feet, unless the department approves alternative precautions to preserve identity;

(f) The site is a minimum of five hundred feet from any planting of noncertified *Allium spp.* The department may waive this requirement if the noncertified *Allium* was planted with true seed and a representative sample of the seed was tested and found free of *Ditylenchus dipsaci*.

[Statutory Authority: Chapters 15.14 and 34.05 RCW. WSR 09-14-021, § 16-334-030, filed 6/22/09, effective 7/23/09. Statutory Authority: Chapter 15.14 RCW. WSR 98-11-048, § 16-334-030, filed 5/18/98, effective 6/18/98.]

WAC 16-334-040 Inspection and testing requirements for certification.

(1) The department shall conduct the following inspections for white rot fungus:

- (a) One growing season inspection for all field plantings;
- (b) One inspection at harvest or during storage;

(2) The department shall collect samples and conduct laboratory analysis for stem and bulb nematode on the following:

- (a) Soil from all sites prior to planting;
- (b) Plants from foundation and registered blocks, collected at approximately 20 foot intervals and composited on a one acre basis;

(c) Plants from certified blocks equal to or greater than one quarter acre intended to be planted back for recertification, collected at approximately 20 foot intervals and composited on a one acre basis;

(d) Plants from certified blocks of less than a quarter acre intended for recertification, comprising a reasonable sample of not more than five percent of the total plants.

(3) The department may require additional inspections or tests as needed.

(4) Inspection fees as established in chapter 16-401 WAC and laboratory analysis fees as established in chapter 16-470 WAC are applicable to this program.

(5) Payment is due upon completion of each inspection or test. Billing may be arranged subject to department policies and processes.

[Statutory Authority: Chapter 15.14 RCW. WSR 00-01-148, § 16-334-040, filed 12/21/99, effective 1/21/00; WSR 98-11-048, § 16-334-040, filed 5/18/98, effective 6/18/98.]

WAC 16-334-050 Conditions under which certification may be refused.

Any plant that appears to be growing abnormally or with abnormal appearing bulbs will be collected and examined for the presence of pests or disease. The department may refuse to certify a planting or the harvested bulbs of garlic if:

(1) The garlic is found to be infested with stem and bulb nematode or infected with white rot fungi; or

(2) The garlic is infected with any other pest that the department determines cannot be eliminated by treatment or roguing; or

(3) A plant or plants are off-type, unless the block is rogued to the satisfaction of the department; or

(4) The participant has failed to pay in a timely manner any fees applicable to this program; or

(5) The participant has failed to comply with any requirements in this chapter.

[Statutory Authority: Chapter 15.14 RCW. WSR 98-11-048, § 16-334-050, filed 5/18/98, effective 6/18/98.]

WAC 16-334-060 Responsibilities of the grower. In addition to other requirements specified in this chapter, a grower participating in this program must perform all of the following:

- (1) Conduct an active program of garlic pest control;
- (2) Use precautions when cultivating, irrigating and moving equipment to prevent the spread of soil-borne pests or diseases;
- (3) Comply with the white rot quarantine regulations in WAC 16-470-300;
- (4) Maintain the identity of each lot.

[Statutory Authority: Chapter 15.14 RCW. WSR 98-11-048, § 16-334-060, filed 5/18/98, effective 6/18/98.]

WAC 16-334-070 Storage requirements for registered and certified garlic seed. (1) Harvested seed garlic shall be stored in:

- (a) Clean bins or containers that have not been used to store noncertified *Allium spp.*; and
- (b) Clean storage areas approved by the department where onions are not stored.

(2) Harvested planting stock must be held in one of the following:

- (a) New bags;
 - (b) Bags that have been only used to store certified garlic seed;
- or
- (c) Bags that have been used to store crops other than onions and have been sanitized prior to use for garlic.

[Statutory Authority: Chapter 15.14 RCW. WSR 98-11-048, § 16-334-070, filed 5/18/98, effective 6/18/98.]

WAC 16-334-080 Movement of garlic planting stock—Permit required. In order to move planting stock out of Washington for cracking or other treatment, the participant must comply with all of the following requirements:

- (1) The identity of each lot must be maintained at all times;
- (2) The participant must obtain a permit from the department prior to movement of the planting stock out of Washington;
- (3) The number specified on its permit shall be used to identify each lot;
- (4) The permit must accompany the shipping container at all times; and
- (5) The permit must accompany certified seed garlic reentering the state.

[Statutory Authority: Chapter 15.14 RCW. WSR 98-11-048, § 16-334-080, filed 5/18/98, effective 6/18/98.]