



# COUNTY OF SISKIYOU

# Department of Agriculture

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## Siskiyou County Common (Non-Certified) Seed Garlic Program

### Definitions

- (a) "Garlic" means plantlets, plants, bulbs, or cloves or any part of *Allium sativum* and its cultivars.
- (b) "Off-type" means different from the variety listed on the application or exhibiting symptoms of a genetic or non-transmissible disorder.
- (c) "Foundation block" means a garlic planting established using garlic subjected to laboratory disease elimination procedures and propagated under the supervision of the California Department of Food and Agriculture for the production of foundation stock.
- (d) "Foundation stock" means garlic produced in a foundation block.
- (e) "Nursery increase block" means a garlic planting which has been established using foundation or registered stock for the production of registered stock.
- (f) "Registered stock" means garlic produced in an nursery increase block.
- (g) "Certified block" means a garlic planting which has been established using registered stock for the production of certified stock.
- (h) "Certified stock" means garlic that has been produced in a certified block.
- (i) "Certified seed garlic" means garlic certified in accordance with the provisions of CDFA's California Certified Seed Garlic program.
- (j) "Participant" means any person or legal entity whose application has been submitted to and accepted by the Department.
- (k) "Farm" means an enterprise that includes all land, growing facilities, equipment, storage facilities, and labor that are utilized in a common effort to produce garlic and other *Allium* sp. crops.
- (l) "Program" means the common seed garlic program (non-certified) administered by the Siskiyou County Department of Agriculture.
- (m) "Department" means the Siskiyou County Department of Agriculture.
- (n) "Common (non-certified) seed garlic" means garlic meeting requirements of the Siskiyou County Ordinance, Chapter 3 - Garlic Plant Diseases, Sec. 4-3.01-4-3.03, and is not Foundation, Registered, or Certified by the California Department of Food and Agriculture Nursery Program.
- (o) "Inspection" means in season field inspections, harvest and storage inspections and includes stem and bulb nematode sampling protocols.
- (p) "CDFA" means the California Department of Food and Agriculture.

## General Provisions

Participation in this program is voluntary and may be withdrawn at the option of the participant. Approval, supervision, inspection, sampling, determination, shall be conducted by the Department or its authorized agents.

(a) Approval of Common (non-certified) Seed. Planting locations accepted by the Department, laboratory examinations, and visual inspections form the basis for approval of a propagative source and certification as California common seed garlic (non-certified).

(1) Approval. The Department may approve the source of propagative material, which has been tested and found free of stem and bulb nematode, *Ditylenchus dipsaci*, and has been inspected and found free of white rot fungus, *Sclerotium cepivorum*.

(2) County Certification. The Department may certify garlic as California Common (Non-Certified) Seed Garlic stock which has been inspected and found free of white rot fungus, *Sclerotium cepivorum*, and has been tested and found free of stem and bulb nematode, *Ditylenchus dipsaci*.

(b) Refusal, Suspension or Cancellation of the program or program permit. The Department may refuse program services to anyone or may refuse, suspend, or cancel the program permit for part or all of a planting under the following conditions, whether or not caused by actions or omissions of participants.

(1) The requirements of this program have not been met

(2) The participant has failed to comply with participant responsibilities as specified during current or past program participation

(3) The participant has failed to pay in a timely manner, any fee or late charge required by this permit.

(4) Any condition exists which would hinder or prevent the accurate determination of whether or not the disease, pest, varietal purity, or other requirements of this article have been met

(5) The planting is infested with stem and bulb nematode

(6) The planting is infected with white rot fungus

(7) The planting is infected or infested with any pest new to or of limited distribution within the State, unless the Department determines that the pest is of minor economic importance or determines that the pest can be safely delimited and the infected or infested garlic can be treated or rogued to eliminate the pest

(8) A plant or plants are found to be off-type unless rogued to the satisfaction of the Department

(9) For any reason the identity of the garlic becomes uncertain or has not been maintained

(10) The stock is materially misrepresented, whether or not the participant knew or should have known of the misrepresentation

## Participant Responsibilities

All participant responsibilities specified in this article shall be performed at the expense of the participant. Notifications as specified are required in order to assure that approval(s) may be granted before work is performed, to ensure that inspections may be made properly and in accordance with state laws governing worker health and safety for pesticide exposure, and to provide close working knowledge of field operations. The participant shall be responsible for:

(a) Application for program permit and certification of a planting.

(b) Selection of the planting location.

(c) Selection and trueness to variety of garlic in a planting.

- (d) Propagation, record keeping, and pest freedom of all garlic subjected to laboratory disease elimination to be planted.
- (e) Culture, maintenance, farming and sanitation practices of a planting.
- (f) Maintaining the identity of all garlic entered in the program.
- (g) Protecting garlic in possession from exposure to or damage from conditions and pests, including diseases, which could materially reduce the viability or productivity of the stock.
- (h) Notifying the Department at least one week in advance of planting and replanting, propagation operations, harvest and storage location, and movement of stock during storage.
- (i) Notifying the Department of the date of all pest control treatments in plantings for which inspections or other departmental activities are scheduled, what product(s) were used, dosage(s), and any re-entry or worker safety requirements which apply. Such notification need not be made at times when inspections or other departmental activities are not scheduled to be performed.
- (j) The proper marking on each container, the participant's name, harvest date (month, year), variety and the assigned block number and other information for identification purposes specified by the Department.
- (k) Maintaining production records of the stock produced.
- (l) Compliance with the requirements of this article and with other lawful orders specified by the Department.

## **Eligibility Requirements**

To be accepted for inclusion in the Siskiyou County Common (Non-Certified) Seed Garlic Program, garlic shall have been inspected and tested in prior growing season of production by the Department, and meet Siskiyou County Ordinance, Chapter 3 - Garlic Plant Diseases, Sec. 4-3.01-4-3.03 or equivalent.

## **Requirements for Plantings**

(a) Location of Plantings. Each planting location shall be subject to inspection by the Department and shall be in a geographic area where contamination by stem and bulb nematode and white rot fungus from drainage, flooding, irrigation or other means is not likely to occur. The location requirements may be waived if the planting is made in a facility approved by the Department or if the land or soil has been treated in a manner approved by the Department to eliminate soil-borne pests.

- (1) Each planting shall be on land which no *Allium* sp. has grown for five years prior to planting.
- (2) Each planting shall be on land which is not known to be infested with white rot fungus.
- (3) Each planting shall be on a farm where all plantings of garlic shall be planted with garlic that has been certified by the Department or the equivalent, and all plantings on the farm of any *Allium* sp. planting shall be subject to inspection and testing as required in this article.
- (4) Each planting shall be at least 500 feet from any *Allium* sp. planting not entered in the program or in CDFA's Garlic Certification Program. This requirement may be waived if, in the judgement of the Department, there is a sufficient natural barrier or if garlic not entered in the program has an equivalent history.
- (5) Each planting in an area which the disease status is unknown or cannot be demonstrated to the satisfaction of the Department may be granted a conditional acceptance.

(b) Maintenance of Plantings. Plantings entered in this program shall be kept in a good growing condition and pests shall be kept under effective control. Precautions shall be taken in cultivation, irrigation, movement and use of equipment and in other farming practices to guard against spread of soil-borne pests to plantings entered in this program.

(c) Harvesting, Cracking, and Storage of Garlic. Precautions shall be taken during harvesting, cracking, and storage to prevent the contamination by stem and bulb nematode and white rot fungus.

- (1) Garlic shall be harvested, cracked, and stored separately in such a manner to preclude intermixing.
- (2) Garlic shall be kept in containers that are new or clean and not previously used for any *Allium* sp. or that have been sanitized.
- (3) Garlic shall be stored in sanitized storage areas after harvest and shall not be stored within

the same storage facility with *Allium* sp. known to be infested with stem and bulb nematode or infected with white rot fungus. Certified garlic may be stored, with prior approval by the Department, with non-certified garlic provided that the non-certified garlic is not known to be infested with stem and bulb nematode or infected with white rot fungus, and further provided, that suitable precautions have been taken to preclude intermixing.

## **Inspection and Testing Procedures**

Inspection and testing procedures approved by the Department to detect stem and bulb nematode and white rot fungus shall be conducted at times determined as suitable. The inspection and testing procedures shall be the same as those required for a nursery increase block. Additional inspections or tests may be required by the Department if seasonal conditions or other factors tend to obscure disease symptoms or make adequate inspection, or when stem and bulb nematode or white rot fungus or other serious pests are suspected. The Department may sample garlic from any planting or storage facility for inspection or testing purposes. Samples shall be furnished without charge.

(a) Inspections. To determine eligibility of a planting, the following inspections shall be made:

- (1) For all field plantings, at least one growing season inspection.
- (2) Harvest and/or storage inspection.

(b) Nematode Testing. Laboratory examination of a sample of garlic for the stem and bulb nematode shall be conducted for all plantings except as otherwise provided. Sampling for nematodes may be combined with the growing season inspection at the discretion of the Department.

- (1) For nursery increase block plantings, a sample of garlic shall be collected at approximately 20-foot intervals and composited on a one acre basis.
- (2) For common (non-certified) seed block plantings, at the Department's option and on the request of the participant, a sample of garlic bulbs may be collected at approximately 40-foot intervals and composited on a four acre basis.

## **Application and Fees**

(a) Application. Upon submitting an application, the applicant shall furnish information requested regarding each planting and shall consent to the taking of samples or plants by the Department from any planting for inspection or testing purposes. A separate application shall be submitted for each planting and may include more than one variety provided that they are entered as the same class.

- (1) A Siskiyou County Common (Non-Certified) Garlic Seed Application for site approval and inspection of field plantings along with the required fees shall be submitted by August 1, prior to planting.
- (2) A late application may be accepted by the Department provided that a late fee is paid and that the application is made sufficiently in advance of the times required to determine the eligibility of the stock and the suitability of the location, to supervise any treatment that may be required, and to adequately perform the inspections and tests outlined in this article.

(b) Fees. Fees established in this article are payable in advance of the work to be done and are for the sole purpose of defraying expenses incurred in the approval, inspection, and sampling procedures herein provided and are not to obtain any right or privilege. The fees shall be:

- (1) Siskiyou County (Non-Certified) Garlic Seed Production Permit Application. \$50.00 for all field plantings at the same location.
- (2) Acreage Fee. In addition to the preliminary application fee, an acreage fee for each acre in excess of one acre or portion of an acre for the following field plantings:
  - (A) Non-certified common seed Block. \$25.00 per acre or portion of an acre.

(3) Stem and Bulb Nematode Testing.

(A) Lab Fees: Billed at cost from CDFA's Meadowview laboratory.

(B) Optional Field Testing For Certified Plantings. \$15.00 per acre or portion of an acre.

Note: Sampling for nematodes may be combined with the growing season inspection at the discretion of the Department.

(4) The late fee shall be \$100.00 for each application postmarked after the times established in this article.

(5) The Department may charge additional fees when due to conditions, total acreage entered, or number of tests performed, the fees established do not cover the cost of the service.

(6) The hourly rate for program services shall be \$50.00 per hour applied to travel time (portal to portal), field time, and documentation time.

(7) Fees paid for services that are not rendered shall be refunded to the applicant, less direct costs incurred by the Department.