



## Standard Procedures:

### Certified Garlic Seed - Pt. I



Subject Matter	Requirements
<p>Applications</p> <p>Applications are due by February 15th</p>	<ul style="list-style-type: none"><li>-The NDA must receive an application for each separate planting of stock<ul style="list-style-type: none"><li>-This form can be obtained from the NDA and is hosted on the website</li></ul></li><li>-Each applicant must include all information requested for the planting site and the stock used for planting, including eligibility documentation</li></ul>
<p>Planting Requirements</p>	<ul style="list-style-type: none"><li>-Each planting site must be:<ul style="list-style-type: none"><li>-In a geographic area where contamination by white rot fungus or stem and bulb nematode is unlikely to occur from any means</li><li>-On land where no <i>Allium</i> species has grown for the 5 years immediately preceding the date on which the garlic is planted;</li><li>-On land that is not known to be infested with white rot fungus; and</li><li>-Isolated by at least 500 feet from any <i>Allium</i> species that is not entered in the program</li></ul></li><li>-The NDA may waive the above requirements, if the:<ul style="list-style-type: none"><li>-Planting site is an NDA approved facility</li><li>-Land/Soil has been treated in a manner approved by the NDA to eliminate soil-borne pests</li><li>-There is a sufficient natural barrier between certified and non-certified planting sites</li><li>-The garlic not entered in the program has an equivalent history</li></ul></li><li>-Each planting of a foundation, nursery increase or certified block shall be deemed to be a separate planting of garlic:<ul style="list-style-type: none"><li>-6 feet of isolation must occur between blocks</li></ul></li><li>-Each planting site is subject to inspection by the NDA</li></ul>



## Standard Procedures:

### Certified Garlic Seed - Pt. II



Subject Matter	Requirements
Eligibility of Planting Stock	<ul style="list-style-type: none"><li>-The NDA may approve stock or propagative material for registration or certification based on approved inspection and testing</li><li>-Garlic that has been exposed to white rot fungus of stem and bulb nematode is not eligible for registration or certification</li><li>-For a foundation block to be eligible for planting, the garlic must be:<ul style="list-style-type: none"><li>-Garlic from a planting approved by the NDA; or</li><li>-Produced using lab techniques to eliminate diseases</li></ul></li><li>-For a nursery increase block to be eligible for planting, the garlic must be foundation or registered stock</li><li>-For a certified garlic to be eligible for planting, the garlic must be registered stock</li><li>-The NDA must receive evidence from the participant that the stock is eligible for the class of seed to be produced, including, without limitation:<ul style="list-style-type: none"><li>-Tags issued by a certification agency that is recognized by the NDA; or</li><li>-Invoices describing stock</li></ul></li></ul>
Program Administration	<ul style="list-style-type: none"><li>-Participation in the program is voluntary and a participant may withdraw from the program at any time</li><li>-The NDA will conduct any approval, supervision, inspection, sampling determination, registration and certification for the garlic program</li><li>-The NDA approves registration or certification of garlic based upon planting sites, examinations and visual inspections</li><li>-The NDA may approve foundation stock or registered stock as a source of propagative material if the foundation stock or registered stock has been tested and found free of stem and bulb nematode of the <i>Allium</i> species (<i>Ditylenchus dipsaci</i>) and has been inspected and found free of white rot fungus (<i>Sclerotium cepivorum</i>)</li><li>-The NDA may certify garlic as “Nevada Certified Seed Garlic” if the garlic has been inspected and found free of white rot fungus</li><li>-A participant may use official tags issued by the NDA or other means of labeling to identify garlic that meets the requirements for certification</li></ul>



# Standard Procedures:

## Certified Garlic Seed - Pt. III



Subject Matter	Requirements										
Field Inspections; Testing Procedures	<ul style="list-style-type: none"> <li>-The NDA shall conduct:               <ul style="list-style-type: none"> <li>-At least one field inspection of garlic during the growing season for white rot fungus (<i>Sclerotium cepivorum</i>) for a certified block, foundation block or nursery increase block; and</li> <li>-A lab examination of a sample of garlic for stem and bulb nematode of the Allium species (<i>Ditylenchus dipsaci</i>) where the sample is collected in a 20 ft<sup>2</sup> grid pattern for a foundation or nursery increase block</li> <li>-If a participant requests a lab exam for a garlic sample for stem and bulb nematode for a certified block, the NDA shall conduct this where samples are taken in a 40 ft<sup>2</sup> grid pattern</li> </ul> </li> <li>-The NDA may require additional inspections or tests if:               <ul style="list-style-type: none"> <li>-Seasonal conditions or other factors tend to obscure symptoms of disease</li> <li>-White rot fungus, stem and bulb nematode or other serious pests are suspected</li> </ul> </li> <li>-The NDA may sample garlic from any planting site or storage facility to inspect or test results</li> <li>-Sample may be obtained by NDA from participants without compensation</li> </ul>										
Fees	<p>-The NDA will charge the following fees for the registration and certification of garlic:</p> <table border="1" data-bbox="847 1367 1526 1623"> <thead> <tr> <th>Block Type</th> <th>Associated Fee</th> </tr> </thead> <tbody> <tr> <td>Foundation Block</td> <td>\$55.00/Acre or part of an acre</td> </tr> <tr> <td>Nursery Increase Block</td> <td>\$55.00/Acre or part of an acre</td> </tr> <tr> <td>Certified Block</td> <td>\$12.00/Acre or part of an acre</td> </tr> <tr> <td>Optional Test for Stem and Bulb Nematode</td> <td>\$17.00/Acre or part of an acre for a certified block</td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>-Check is payable to the Nevada Department of Agriculture</li> <li>-The NDA will refund any fees paid for services that are not rendered less any direct costs incurred by the NDA</li> </ul>	Block Type	Associated Fee	Foundation Block	\$55.00/Acre or part of an acre	Nursery Increase Block	\$55.00/Acre or part of an acre	Certified Block	\$12.00/Acre or part of an acre	Optional Test for Stem and Bulb Nematode	\$17.00/Acre or part of an acre for a certified block
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Fees are due no later than February 15



## Standard Procedures:

### Certified Garlic Seed - Pt. IV



Subject Matter	Requirements
Participant Duties	<ul style="list-style-type: none"><li>-A participant shall:<ul style="list-style-type: none"><li>-Keep pests and weeds under control;</li><li>-Use appropriate precaution when conducting work to deter the spread of soil-borne pests</li><li>-Ensure that containers used for the movement of garlic is free from any other residues</li><li>-Keep records of each planting site documenting:<ul style="list-style-type: none"><li>-Seed production;</li><li>-Certification numbers; and</li><li>-The tags used to identify containers of seed</li><li>-These recodes need to be submitted to the NDA annually after the close of season</li></ul></li><li>-Properly use certification seals and tags provided by the NDA</li><li>-Mark on each tag the participant name, month and year of harvest, garlic variety and block number</li><li>-Notify the NDA of:<ul style="list-style-type: none"><li>-The date of any pest control treatment used in plantings for which inspections are scheduled;</li><li>-The products used in the pest control treatment;</li><li>-The dosage of the products used; and</li><li>-Applicable requirements for reentry or worker safety</li></ul></li></ul></li></ul>
Handling, Harvesting, Transporting and Storage of Garlic Seed	<ul style="list-style-type: none"><li>-Garlic from a planting must be handled in a manner that prevents mixing or contamination by other lots</li><li>-Equipment used for harvesting and containers used for transporting, processing and storing garlic must be free from soil or other contaminating material before use</li><li>-Containers used for transporting/storing garlic must identify the site where the seed originated</li></ul>



# Standard Procedures:

## Certified Garlic Seed - Pt. V



Subject Matter	Requirements
Transportation of Seed Stock Out of State	<ul style="list-style-type: none"> <li>-A participant must notify the NDA in writing at least 1 week before transporting garlic to another state for storage or processing to maintain eligibility for future registration or certification of that garlic</li> <li>-The notification must include the:               <ul style="list-style-type: none"> <li>-Number assigned to the planting site by the NDA</li> <li>-Date of transport</li> <li>-Quantity of garlic to be transported</li> <li>-Destination</li> </ul> </li> </ul>
Registration Cancellation or Refusal	<ul style="list-style-type: none"> <li>-The NDA will refuse to register or certify or will cancel the registration or certification of a planting, or any portion of a planting, or harvested garlic if:               <ul style="list-style-type: none"> <li>-The planting, bulbs or cloves are found to be infested or infected with stem and bulb nematode or white rot, or any other pest of garlic, unless the NDA determines the infestation or infection is one of minor economic importance which can be rogued, delimited or treated;</li> <li>-Excessive growth of weeds, damage from pests, or any other condition prevents adequate inspection of the crop</li> <li>-Failure to comply with certification standards occurs</li> <li>-Failure to pay appropriate fees occurs</li> <li>-The identity of the garlic becomes uncertain or has not been maintained:                   <ul style="list-style-type: none"> <li>-The tags are misused/misplaced; or</li> <li>-The stock is misrepresented</li> </ul> </li> </ul> </li> </ul>

Contact the Nevada Department of Agriculture, Seed Program for any information regarding the garlic certification process via the following:

NDA Seed Program  
Russell Wilhelm  
405 S. 21st St.  
Sparks, NV 89431

[rwilhelm@agri.nv.gov](mailto:rwilhelm@agri.nv.gov)  
(775) 353-3711

Thanks,

