

Nevada Native Seed Forum 2022

Seed Certification

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- **Department of Agriculture Role**
 - Official **Seed Certifying Agency** for State of Nevada.
 - Authorized through state statute to conduct quality assurance services related to seed commerce.
 - Nevada Revised Statute (NRS) 587
 - Nevada Administrative Code (NAC) 587

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- **The Association of Official Seed Certifying Agencies**
 - “Yellow Book”
 - Develops standards pursuant to each “crop” type and designation.
 - Standards relate to overall crop quality:
 - » Off-type presence
 - » Weed presence
 - » Pathogenic infection
 - » Lot purity/viability



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- **NDA's Certified Seed Program:**
 - Native Seed Services
 - Source Identification
 - Certification



Antelope Bitterbrush (Purshia tridentata)

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- **Cultivated**

- Breeder*
- Foundation
- Registered
- Certified



- **Natural**

- Source ID
- Selected
- Tested
- Cultivar*

**Breeder seed is the original source of all classes of certified seed. It is controlled by the original plant breeder, or institution, to ensure maintenance for genetic purity and identity.*

**Cultivars are developed after stringent rounds of testing, or selective breeding, to determine the species is genetically stable and pure. Cultivars should consistently exhibit secure characteristics from one generation to the next.*

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Source Identified Seed:

Class of propagating materials collected from natural stands, seed production areas, seed fields, or orchards where no selection or testing of the parent population has been conducted.

Unaltered seed collected for planting purposes

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- **Source Identification:**

- Certification service provided, in most circumstances, for collections.

- 4 steps to source identified:

- 1) Application submitted
- 2) Inspection conducted
- 3) Lab analysis
- 4) Tags printed

Program Fees:
-App Fee = \$10.00
-Site Fee: \$50.00
-Tag Fee: \$0.10 per
-Inspection Fees:
-Drive Time
-Mileage
-Inspection Time

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- **Source Identification, step 1:**
 - Application submitted
 - Should be submitted before collection takes place
 - Accurate GPS coordinates and driving directions are key

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- **Source Identification, step 2:**
 - Inspection occurs
 - NDA personnel conduct inspection on site:
 - Genotypic verification
 - Weed density/presence
 - Habitat assessment
 - » Elevation, homogeneity, quality

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- **Source Identification,
Step 3:**
 - Lab analysis guarantees quality

Lab analysis is not required for SI certification, but recommended

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- **Source Identification, step 4:**
 - Tags printed
 - All tags issued for a source ID will contain the following information:
 - Species (scientific/common)
 - Lot number
 - County, State
 - Elevation
 - Certification number
 - Generation allowance

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Tags are printed at the request of the collector/producer.

- Producer is responsible for determining:
 - Tag quantity
 - Lot Number

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- **Options after Source Identification:**
 - Entering collected seed into certification
 - Source Identified seed can be grown in a controlled crop setting to produce certified seed
 - Growth of seed crop is overseen by Department of Agriculture to verify:
 - » Crop Purity: Off-type presence, weed presence, disease density, and viability.

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Questions?

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