

## FOURWING SALTBUSH STANDARDS

(As of February 2017)

The General Seed Certification Standards, as adopted by the Montana Seed Growers Association, are basic and together with the following specific standards constitute standards for certification of fourwing saltbush (*Atriplex canescens*).

### I. Land Requirements

A crop of the same kind or natural wild plants must not have been planted or present on the land 3 and 1 years prior to stand establishment for the production of Foundation and Certified classes of seed, respectively.

### II. Isolation

A field producing foundation or certified seed must have the following minimum isolation distance from fields of any other variety or fields of the same variety that do not meet the varietal purity requirements for certification.

Class	Isolation - distances in feet	
	Fields of <5 acres	Fields of >5 acres
Foundation	600	200
Certified	300	100

### III. Field Standards - General

Fourwing saltbush (*Atriplex canescens aptera*) will hybridize with the following species: *A. garrettii*, *A. gardneri*, *A. confertiofolia*, *A. cuneta*, *A. nutallii* and *A. falcata* as well as greasewood (*Sarcobatus vermiculatus*).

### IV. Preparation of Seed for Final Certification

#### A. Cleaning

1. Clean all seed at an approved plant authorized by the MSGA. A list of authorized cleaning plants is available through the MSGA office or website [www.mtseedgrowers.org](http://www.mtseedgrowers.org).
2. Seed delivered to the cleaning plant by grower must be identified by variety and certification number. A copy of the grower's Application for Certification or field inspection form will suffice.

#### B. Seed Sample for Grade Determination

1. Submit a cleaned, ½ pound seed sample labeled with grower name, cleaning plant name, certification number, and lot number to the Montana Seed Growers Association office for "Certified Grade Determination".
2. Use official MSGA seed sample bags obtained by calling the MSGA office.
3. If multiple lots from the same fields are harvested and cleaned separately, a sample for purity and germination must be submitted for each clean lot.

#### C. Tag and bulk certificate orders should be noted on the "Conditioner's Report". Tags and bulk certificates will be issued upon receipt of production fees or at the discretion of MSGA.

**V. Field Standards - Specific**

<b>Factor</b>	<b>Ratio of Off-Types</b>	
	<b>Fdn</b>	<b>Cert</b>
Other varieties	1/2000	1/1000
Other kinds (species)	None	None

**VI. Seed Standards**

<b>Factor</b>		<b>Fdn %</b>	<b>Cert %</b>
Pure Seed	max	80.00	80.00
Inert Matter	max	20.00	20.00
Weed Seed	max	0.50	0.50
Noxious weed seed			
Prohibited		None*	None*
Restricted & Common	max	5/lb**	5/lb**
Germination	min	05.00	10.00
Utricle Fill		40.00	45.00

\* "None" means none found during the normal inspection procedures.

"None" is not a guarantee to mean the lot inspected is free of the factor.

\*\* Singly or Combined. (Restricted allowed only in accordance with the rules and regulations of the Montana Seed Law.)