

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 2.5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

**U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE AND TECHNOLOGY  
PLANT VARIETY PROTECTION OFFICE**

**Exhibit C**

**OBJECTIVE DESCRIPTION OF VARIETY  
Salicornia, Samphire (*Salicornia bigelovii* Torr.)**

NAME OF APPLICANT (S)	TEMPORARY OR EXPERIMENTAL DESIGNATION	VARIETY NAME
ADDRESS (Street and No. or RD No., City, State, Zip Code and Country)		FOR OFFICIAL USE ONLY
		PVPO NUMBER

1. HYPOCOTYL COLOR \_\_\_\_\_ 1 = White                      2 = Pink                      3 = Red

2. PLANT TYPE \_\_\_\_\_ 1 = Bush                      2 = Erect

**3. PLANT HEIGHT (at maturity)**

\_\_\_\_\_ cm Tall  
 \_\_\_\_\_ cm from soil surface to main stem node one

**4. INFLORESCENCE**

Spikes

\_\_\_\_\_ mm, Spike length at node 7 (from main stem node one)  
 \_\_\_\_\_ mm, Spike diameter at node 7 (from main stem node one)  
 \_\_\_\_\_ Number of spike joints at main stem node 7

Calyx

\_\_\_\_\_ 1 = length > 2x width                      2 = length < 2x width                      3 = length = width

Spike Color

\_\_\_\_\_ 1 = Green                      2 = Yellow                      3 = Red                      4 = Other \_\_\_\_\_

Dehiscence

\_\_\_\_\_ 1 = Shattering spikes                      2 = Non-shattering spikes

**5. FLOWERS**

\_\_\_\_\_ Days from emergence to spike initial formation (80% of plants)  
 \_\_\_\_\_ Days from emergence to stigma exertion (50% of plants)  
 \_\_\_\_\_ Days from emergence to stamen exertions (50% of plants)

**6. MATURITY**

\_\_\_\_\_ Days from emergence to plant maturity

**7. SEEDS**

\_\_\_\_\_ mg/1000 seeds

Testa color

\_\_\_\_\_ 1=Black      2=Brown      3=Olive      4=Tan

Testa hairs

\_\_\_\_\_ 1=Dense      2=Moderate      3=Sparse      4=None

**8. SEED CHEMICAL COMPOSITION**

\_\_\_\_\_ % Oil

\_\_\_\_\_ % Protein (oil free meal)

\_\_\_\_\_ Iodine value (%)(titratable)

\_\_\_\_\_ Saponification value, mg KOH per g

\_\_\_\_\_ Peroxide value, meq/1000g

Fatty Acid Composition (%)

Palmitic	Steric	Oleic	Linoleic	Linolenic	Arachidic	Eicosenoic	Behenic
16:0	18:0	18:1	18:2	18:3	20:0	20:1	22:0
_____	_____	_____	_____	_____	_____	_____	_____

**9. LODGING RESISTANCE**

\_\_\_\_\_ 1=Weak      2=Moderately strong      3=Strong

**10. SALT TOLERANCE (EC=deciSiemens/meter)**

Seed Germination

\_\_\_\_\_ 1=Low (&lt; 16 dS/m)      2=Moderate (17 to 46 dS/m)      3=High (&gt; 46 dS/m)

Seedling Growth

\_\_\_\_\_ 1=Low (&lt; 30 dS/m)      2=Moderate (31 to 62.5 dS/m)      3=High (&gt; 62.5 dS/m)

Plant Growth

\_\_\_\_\_ 1=Low (&lt; 35 dS/m)      2=Moderate (36 to 75 dS/m)      3=High (&gt; 75 dS/m)

**11. DISEASE RESISTANCE:** 0 = Not Tested      1 = Suseptible      2 = Low Resistant      3 = Moderate Resistance      4 = High Resistance

\_\_\_\_\_ Charcoal Rot (*Macrophomina phaseolina*)  
 \_\_\_\_\_ Bacterial Stem Rot (*Bacillus subtilis*)  
 \_\_\_\_\_ Rhizoctonia Root Rot (*Rhizoctonia solani*)  
 \_\_\_\_\_ Cyst Nematode (*Heterodera/Globodera* spp.)

\_\_\_\_\_ Yellow Tip (Curly Top Virus)

**12. INSECT RESISTANCE:** 0 = Not Tested      1 = Suseptible      2 = Low Resistant      3 = Moderate Resistance      4 = High Resistance

\_\_\_\_\_ Plant Bug (*Megalopsallus nuperus*)  
 \_\_\_\_\_ Army Worm (*Spodoptera* spp.)

13. Please provide any additional information (e.g. statistical data including data from paired analysis, ANOVA, T-tests, etc.), additional visual descriptive data not captured on this form which may be useful in providing a thorough characteristic description of the variety.