



# Seed-Spec: A Native Seed Blend Development Tool

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Seed-Spec is a geo-spatially enabled web application to develop custom native seed blends for re-vegetation of fields using site specific soil and plant information and minimal user inputs.

Currently available in the following area



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You are here: Web Soil Survey Home

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All NRCS Sites

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- Soils Home
- National Cooperative Soil Survey (NCSS)
- Archived Soil Surveys
- Status Maps
- Official Soil Series Descriptions (OSD)
- Series Extent Explorer
- Geospatial Data Gateway
- eFOTG
- National Soil Characterization Data
- Soil Health
- Soil Geography

The simple yet powerful way to access and use soil data.



### Welcome to Web Soil Survey (WSS)



Web Soil Survey (WSS) provides soil data and information produced by the National Cooperative Soil Survey. It is operated by the USDA Natural Resources Conservation Service (NRCS) and provides access to the largest natural resource information system in the world. NRCS has soil maps and data available online for more than 95 percent of the nation's counties and anticipates having 100 percent in the near future. The site is updated and maintained online as the single authoritative source of soil survey information.

Soil surveys can be used for general farm, local, and wider area planning. Onsite investigation is needed in some cases, such as soil quality assessments and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center at the following link: [USDA Service Center](#) or your NRCS State Soil Scientist at the following link: [NRCS State Soil Scientist](#).

### Four Basic Steps

### I Want To...

- [Start Web Soil Survey \(WSS\)](#)
- [Know Web Soil Survey Requirements](#)
- [Know Web Soil Survey operation hours](#)
- [Find what areas of the U.S. have soil data](#)
- [Find information by topic](#)
- [Know how to hyperlink from other documents to Web Soil Survey](#)
- [Know the SSURGO data structure](#)
- [Use Web Soil Survey on a mobile device](#)

### Announcements/Events

- [Web Soil Survey 3.4.0 has been released! View Web Soil Survey release history](#)



- General information
- Physiographic features
- Climatic features
- Water features
- Soil features
- Ecological dynamics
- Interpretations
- Supporting information
- Reference sheet
- Print options

### General information



Figure 1. Mapped extent

Areas shown in blue indicate the maximum mapped extent of this ecological site. Other ecological sites likely occur within the highlighted areas. It is also possible for this

# Seed-Spec Workflow

Define Seeding Area

View Soil Information

View Ecological Site

Develop Seed Blend

View Report



## Native Blend Selected

Product	Blend [%]	X	PLS Seeding Rate [lb/ac]	=	Blend PLS Seeding Rate [lb/ac]	Blend PLS [lb]
Grama, Sideoats "El Reno" ( <i>Bouteloua curtipendula</i> )	30		4.5		1.35	97.37
Grama Blue, "Hachita" ( <i>Bouteloua gracilis</i> )	30		1.5		0.45	32.46
Bluestem, Little "Cimarron" ( <i>Schizachyrium scoparium</i> )	5		3.4		0.17	12.26
Buffalograss, "Texoka" Primed KNO3 ( <i>Bouteloua dactyloides</i> )	5		8		0.40	28.85
Arizona Cottontop ( <i>Digitaria californica</i> )	0		1.2		0	0
Mesquite-grass, "Vine" ( <i>Panicum obtusum</i> )	0		6		0	0
Dropseed, Sand ( <i>Sporobolus cryptandrus</i> )	0		1		0	0
Windmillgrass, Hooded "Burnet" ( <i>Chloris cucullata</i> )	5		0.7		0.03	2.52
Wheatgrass, Western ( <i>Pascopyrum smithii</i> )	5		7		0.35	25.24
Bluestem, Sand "Chet" ( <i>Andropogon hallii</i> )	5		6		0.30	21.64
Indiangrass, "Cheyenne" ( <i>Sorghastrum nutans</i> )	5		4.5		0.23	16.23
Daisy Engelmann, "Eldorado" ( <i>Engelmannia Peristenia</i> )	5		15		0.75	54.1
Gayfeather, Dotted ( <i>Liatris punctata</i> )	0		10		0	0
Mexican Hat, "VNS" ( <i>Ratibida Columnifera</i> )	5		2		0.10	7.21
Sacaton Alkali ( <i>Sporobolus airoides</i> )	0		1		0	0
Switchgrass, "Blackwell" ( <i>Panicum virgatum</i> )	5		3.5		0.18	12.62
Saltbush Fourwing ( <i>Atriplex canescens</i> )	0		15.5		0	0
<b>Totals</b>	<b>105</b>				<b>4.30</b>	<b>310.51</b>

**DISCLAIMER:** The Seed-Spec tool utilizes published data from NRCS-USA and user inputs to develop native seed blends.



Seed-Spec

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