

Home Page

Logo



URL

<https://plants.usda.gov>

Subject

Plants - United States - Directories

Accessibility

Free

Language

English

Publisher

USDA.gov

Brief History

Subject to research

Scope and Coverage

The Plants Database provides standardized information about the vascular plants, mosses, liverworts, hornworts, and lichens of the U.S. and its territories. It contains native and naturalized plants of the PLANTS Floristic Area (PFA), which consists of North America and all additional U.S. territories and protectorates. It includes names, plant symbols, checklists, distributional data, species abstracts, characteristics, images, crop information, automated tools, onward Web links, and references. This information primarily promotes land conservation in the United States and its territories, but academic, educational, and general use is encouraged too. It also has information about 5000 vascular plants.

Kind of Information

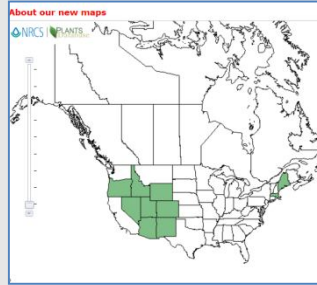
It provides information on The National Plant Data Team (NPDT) which focuses on plant data collection, content, quality control, integration, dissemination, and interpretation for NRCS use in conservation practices. It also looks after on plant taxonomy, forestry, plant materials, physiology, range science, natural resources, ethno-botany, ecology, and taxonomic database development.

It gives information on different topics. Those are alternative crops, characteristics, classification, cover crops, culturally significant, distribution update, documentation, fact sheets & plant guides, introduced, invasive, and noxious plants, threatened & endangered, wetland indicator status etc. State wise plants' lists can be seen. Scientific names, common names and symbols can be seen in most of the cases. after clicking on each of those plants, general information can be found including photographs and maps. An example is given below:



General Information	
Symbol:	ABCO
Group:	Gymnosperm
Family:	Pinaceae
Duration:	Perennial
Growth Habit:	Tree
Native Status:	L48 N
Characteristics	

Information on different types of crops are also available. Some of those crops are grain, herb, nut, oil, biomass, fiber, forage, fruit etc.



Crop links can be seen after selecting crop type and region. Such as :

Crop Link	State	Crop Type
Multiple crops (check link for list): IA-Alternative Crop Suitability Maps	Illinois	Root

Plant profiles and characteristics can be seen after selecting many criteria like category, duration, native status, wetland status, growth habits etc. Each profile contains general information, image, synonyms, classification, wetland status, related links etc. As for example, *Campanulastrum americanum* (small American bellflower) provides results as follows:

***Campanulastrum americanum* (L.) Small American bellflower**

Symbol	Scientific Name
CAAM6	<i>Campanula americana</i> L.
CAAMI	<i>Campanula americana</i> L. var. <i>illinoensis</i> (Fresen.) Farw.

Synonyms

Rank	Scientific Name and Common Name
Kingdom	Plantae – Plants
Subkingdom	Tracheobionta – Vascular plants
Superdivision	Spermatophyta – Seed plants
Division	Magnoliophyta – Flowering plants
Class	Magnoliopsida – Dicotyledons
Subclass	Asteridae

Classification

The image gallery contains more than 50,000 images. Crop nutrient tool also provides important information in tabular format as shown below:

Crop Common Name	Scientific Name	Nutrient Information Available	Acres (Optional)	Yield Per Acre (Required)	Yield Unit	Lbs. Per Yield Unit	% Moisture (edible)
Barley-2 row, for grain	<i>Hordeum vulgare</i>	N,P,K	<input type="text"/>	<input type="text"/>	bu	48	<input type="text" value="13.30"/> %
Barley-2 row, for straw	<i>Hordeum vulgare</i>	N,P,K	<input type="text"/>	<input type="text"/>	lb straw/bu grain	72	<input type="text" value="9.20"/> %

Fact sheets and plant guides are given in both doc and PDF format. information on cover crops are available also including the types of their families.

Special Features

- Basic and advance search facilities are available.

- Hyperlinks of related websites are attached here. Such as, Natural Resources Conservation Service, Environmental Protection Agency (EPA) etc.
- Hourly news update is available.
- Different documents can be downloaded from this site. Such as, Complete PLANTS checklist, symbols for Unknown Plants, NRCS State GSAT Lists, NRCS State plants Lists etc.

Arrangement Pattern U.S. States are arranged alphabetically including information on related postal codes as shown below:

Postal Code	Country
USA	U.S. States
AL	Alabama
AK	Alaska
AZ	Arizona
AR	Arkansas
CA	California
CO	Colorado
CT	Connecticut
DE	Delaware

Remarks It is a collaborative effort of the USDA NRCS National Plant Data Team (NPDT), the USDA NRCS Information Technology Center (ITC), The USDA National Information Technology Center (NITC), and many other partners. It reduces government spending by minimizing duplication and making information exchange possible across agencies and disciplines.

Comparable Tools

- Plants Database - Garden.org (<https://garden.org/plants/>)
- North American Native Plant Society - Plant Database (www.nanps.org/index.php/gardening/plant-catalogue-databse)

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