

## MISSION

The Foundation Seed Program (FSP) is an organized service unit at the University of California, Davis, in the College of Agricultural and Environmental Sciences and administered through the Department of Plant Science. The program was created in 1937 for the following purposes:

1. To grow, increase, and maintain seed of cultivars developed by University of California and other public plant breeders.
2. To maintain genetic purity.
3. To insure that certified seed of these cultivars is made continuously available to the public.

## ORGANIZATION

The Foundation Seed Program is a self-supporting organization within the university. All costs of seed production are paid out of revenue generated from the sale of foundation seed. The University provides the maintenance and utilities for the seed conditioning facility and administrative oversight for accounting, payroll disbursement, and seed contract administration.



The Foundation Seed Program seed conditioning facility is housed in the Foundation Seed Warehouse on the UC Davis campus at the Crop and Ecological Science Field Research headquarters. It is comprised of:

1. A seed conditioning plant: including unloading conveyors, two air screen cleaners, gravity table, miscellaneous portable equipment, and optical grain and bean sorting capabilities.
2. A bulk seed storage facility: with two 40,000 cubic foot storage wings capable of storing 450 seed storage bins containing an inventory of over 1.7 million pounds.

3. Warehousing and receiving office: including scales and direct computer linkage to seed inventories.

The facility is specifically designed for handling high quality, low volume seed stocks. It is a California Crop Improvement Association (CCIA) approved conditioning facility, California Certified Organic Farmers (CCOF) certified organic processing facility, and is capable of custom seed conditioning on a contract basis.

## FOUNDATION SEED PRODUCTION

Foundation Seed is produced from basic seed stocks (breeder seed) initially supplied by the plant breeder following approval for release and approval to accept into the certification program. Sufficient foundation seed is produced annually to meet anticipated demand. Production locations are on University of California and contracted private properties throughout the state of California within the areas of adaptation for each respective cultivar. Production fields must at least meet Association of Official Seed Certifying Agency (AOSCA) and CCIA standards for isolation in time and space. Fields are inspected and rogued several times during production to remove off-types and maintain varietal purity and characteristics. New production is entered into in-house grow outs to confirm trueness of type.



## INTELLECTUAL PROPERTY SERVICES

1. Chain of custody tracking for experimental and released genetic materials.
2. Shepherding of cultivars through review and release.
3. Liaison between plant breeders and university offices of technology transfer.
4. Liaison between seed industry and university offices of technology transfer.

## CULTIVARS AVAILABLE

### ALFALFA

CUF 101  
Highline\*\*  
Moapa 69  
UC Cibola  
UC-Impalo-WF\*\*

### BARLEY

Arivat  
UC 603  
UC 933  
UC 937  
UC 960  
UC 969

### BEAN

Black Turtle Soup T-39  
Canario 707\*\*  
C.E.L.R.K.  
Linden Red Kidney  
Montcalm Dark Red Kidney  
Redkanner\*\*  
Sutter Pink  
UC Nichols Dark Red Kidney  
UC White Kidney  
White Kidney  
Yolano Pink

### CLOVER

Joe Burton Berseem  
Monte Frio Rose  
Multicut Berseem

### COWPEA

CA Blackeye #5  
CA Blackeye 27\*\*  
CA Blackeye 46

### GARBANZO BEAN (Chickpea)

UC-27  
Sierra\*\*

### GRASS

Piper Sudangrass

### LIMA

Cariblanco N\*\*  
Lee  
Mezcla Baby  
UC Luna  
White Ventura N

### OAT

Bates-89  
California Red  
Kanota  
Montezuma  
Swan

\*\* protected by Plant Variety Protection (PVP) or Plant Utility Patent

### RYE

Merced

### WATERMELON

Crimson Sweet  
Jubilee

### WHEAT

Anza  
Clear White\*\*  
Kern\*\*  
Mexicali 75 Durum  
Oro Durum  
Serra  
Yavaros 79 Durum  
Yecora Rojo  
Yolo

### WILD RICE

Franklin

### RICE

S - 102  
M-103  
M-104\*\*  
M-202  
M-204  
M-205\*\*  
M-206\*\*  
M-401  
M-402\*\*  
L-204  
L-205  
A-201  
Calmochi-101  
Calhikari-201\*\*  
Calmati-201

## ORGANIC SEED

### OAT

Bates-89  
Montezuma

### WHEAT

Mexicali 75  
Stephens Winter  
Yecora Rojo

### WINTER FIELD PEA

Granger Pea

## FOUNDATION SEED PROGRAM



Department of Plant Science  
Plant and Environmental Science Building,  
One Shields Avenue  
Davis, CA 95616-8515

Phone: (530) 752-0545  
FAX: (530) 754-6122  
fsp.ucdavis.edu

## CONTACTS

Director, Larry R. Teuber	(530) 752-2461
Seed Production Manager, W. Earl Booth	(530) 754-5184
Executive Assistant, Vicki A. Azevedo	(530) 752-0545
Seed Conditioner Specialist, Richard Hemenway	(530) 752-2840
Agricultural Technician, Abe Garcia	(530) 752-2840

## ALLOCATIONS

Foundation seed is allocated twice annually, fall and spring. Off-cycle requests are considered on a case-by-case basis. Allocation is to qualified seed growers based on written requests and seed availability. The allocation committee, consisting of the director and two foundation seed personnel, allocate the seed based on availability, demand, supply in reserve, and in accordance with conditions associated with each cultivar. Protected and patented materials are allocated only to licensed entities.

Anyone may apply for and purchase foundation seed of non licensed cultivars. Protected and patented cultivars are distributed only to licensed seed houses and their designees. All appropriate applications shall be considered, and if sufficient foundation seed is available, all reasonable requests will be filled. When foundation seed of a cultivar is in extremely short supply, no allocation is made until the quantity is increased.

### 1. Applicant Qualifications

- Residents of California will be given first preference.
- Allocations will be made only to individuals or organizations that will use the seed for further increase within certification.
- Preference will be given to requests from growers or distributors having seed production or propagation experience.

### 2. Additional Criteria

- Allocations may be made on a percentage basis to regions or counties of the state, according to the percentage of the commercial crop being grown in those regions or counties.
- Allocations may be confined to a specific area, such as that involved in the allocation of Acala cotton in the one-quality cotton district defined by state law or a crop such as large lima beans that are adapted only to a small area of the state.

## FOUNDATION SEED ALLOCATION DATES

FOUNDATION SEED ALLOCATION DATES													
		SPRING						FALL					
		Primary Allocation Dates			Secondary Allocation Dates			Primary Allocation Dates			Secondary Allocation Dates		
Crop No.	Crop*	Final Order Date	Allocation Date California Varieties	Allocation Date Out-of-State Varieties	Final Order Date	Allocation Date California Varieties	Allocation Date Out-of-State Varieties	Final Order Date	Allocation Date California Varieties	Allocation Date Out-of-State Varieties	Final Order Date	Allocation Date California Varieties	Allocation Date Out-of-State Varieties
1	Alfalfa	15-Jan	1-Feb	--	--	--	--	15-Aug	15-Sep	--	15-Jul	15-Aug	--
5	Cotton	1-Feb	15-Feb	--	--	--	--	--	--	--	--	--	--
3	Beans	1-Apr	1-Apr	Inquire - one year in advance	--	--	--	--	--	--	--	--	--
6	Cowpea	15-Mar	1-Apr	--	--	--	--	--	--	--	--	--	--
7	Garbanzo Bean	15-Mar	1-Apr	1-Apr	--	--	--	15-Aug	15-Sep	1-Apr	--	--	--
9	Lima Bean	15-Mar	1-Apr	--	--	--	--	--	--	--	--	--	--
8	Sudangrass	15-Mar	1-Apr	--	15-Jan	1-Feb	--	--	--	--	--	--	--
12	Rye	15-Jan	1-Feb	--	--	--	--	15-Aug	15-Sep	--	--	--	--
13	Watermelon	15-Mar	1-Apr	--	--	--	--	--	--	--	--	--	--
10	Oat	15-Jan	1-Feb	--	15-Jan	1-Feb	--	15-Aug	15-Sep	--	15-Jan	15-Feb	--
2	Barley	--	--	--	--	--	--	15-Aug	15-Sep	--	--	--	--
4	Clover	15-Jan	1-Feb	--	--	--	--	15-Aug	15-Sep	--	--	--	--
16	Berseem Clover	15-Jan	1-Feb	--	--	--	--	15-Aug	15-Sep	--	--	--	--
14	Wheat	15-Jan	1-Feb	--	--	--	--	15-Aug	15-Sep	15-Sep	15-Jan	15-Feb	--
15	Wildrice	Inquire - one year in advance	15-Sept (at harvest)	--	--	--	--	--	--	--	--	--	--
11	Pea	--	--	--	--	--	--	15-Aug	--	15-Sep	--	--	--

\*Availability and price of specific varieties can be obtained from the "Foundation Seed Request Form".