

SEED CERTIFICATION OVERVIEW



WHAT IS SEED CERTIFICATION?

- The maintenance of genetic purity, identity, and quality via:
 - Trait verification
 - Freedom from contaminating varieties, crops and weeds
 - Freedom from seed borne diseases
 - High germination/vigor



WHY IS SEED CERTIFICATION IMPORTANT?

- Means of maintaining the pedigree of a specific variety correctly identified and genetically pure.
- Provides industry guided, high quality standards.
- Provides third party verification that can lead to additional sales and marketing over common seed.
- Freedom from diseases and weeds that may quarantine shipments domestically and internationally.

CERTIFIED SEED VS. UNCERTIFIED SEED



Certified Barley



**Uncertified Barley
contaminated**



Certified Rice



Uncertified Rice contaminated

CALIFORNIA CROP IMPROVEMENT ASSOCIATION (CCIA)



- Official seed certification agency for California
- Private, non-profit, university affiliated
- Guided by a Board of Directors representing the seed industry, University of California, Farm Bureau, & California Department of Food and Agriculture
- Non-biased, 3rd party service provider
- Mission: To provide services and support research that promotes the improvement, production, distribution and use of superior quality seeds and other agricultural products.

ASSOCIATION OF OFFICIAL SEED CERTIFYING AGENCIES (AOSCA)



- AOSCA provides uniformity in seed purity standards, and those standards are included in not only state, but Federal Seed Laws.
- Any seed certification activities can only be administered through an AOSCA member agency.
- Industry established genetic standards.
- International OECD cooperation.

ORGANIZATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT (OECD)



BETTER POLICIES FOR BETTER LIVES

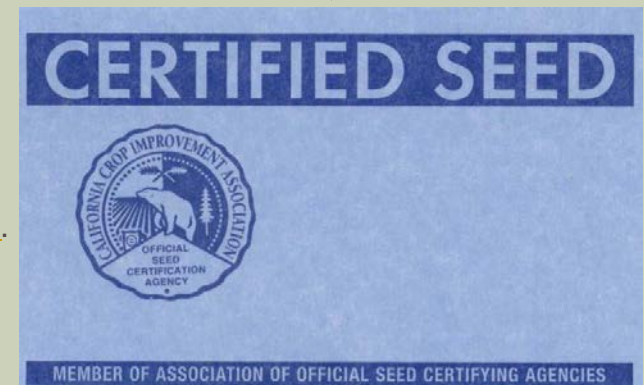
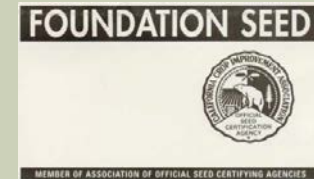
<http://www.oecd.org/agriculture/code/seeds.htm>

- The OECD is reference for the certification and standardization of certain agricultural commodities. Some governments have established voluntary international rules in respect of varietal seed identification through OECD Seed Schemes. These Codes and Standards provide passports for international trade and can be employed by the users and traders of these products through National Authorities.
- USDA is the Designated National Authority in cooperation with The State Seed Certifying Agencies.

PROGRAMS OFFERED BY THE CCIA

- Seed Certification
 - California Code of Regulations, Section 3875
- Seed Potato Certification
- Identity Preserved
- Quality Assurance Program
- Disease Inspected Program
- Crop Isolation Mapping
- OECD Certificates
- Certification Technical Committee

For more information on any of these programs visit the [CCIA website](http://www.ccia.org).



INTERNATIONAL TRAVEL

CCIA will travel
Internationally for seed
companies that are
based in California, but
have production
worldwide.



Mexico, Chile, Peru,
Thailand, China, and Africa.

VARIETY APPROVAL

All new varieties can be entered into the California seed certification program via:

- OECD
- National Variety Review Boards (AOSCA)
 - Alfalfa/Legumes
 - Grass
 - Small Grains
 - Sunflowers
- Certification Technical Committee (CTC)
 - Part of CCIA program
 - All varieties with no AOSCA Variety Review Board and all UCD varieties go through the CTC.
 - The CCIA Board of Directors approves varieties recommended by the CTC.
- Other State Certifying Agencies
- Member countries/agencies of AOSCA

SCOPE OF CCIA FUNCTIONS

State of California- 58 Counties

- 25+ crops certified
- Top four crops (2016):
 - Sunflower, Alfalfa, Rice, Wheat
- 2,000+ applications annually
- 150,000+/- acres inspected annually
- Most inspections are conducted in the Sacramento, San Joaquin, and Imperial Valleys.
- 80+ approved conditioners



Applications -----> Field Inspections -----> Field Insp. Reports

Item													
App Name	App1151	Item ID	Card Number										
App Year	2011	Initial Entry Date	7/21/2011	End Date	7/21/2011								
Working Flag	<input type="checkbox"/>	Date Placed	7/21/2011	Deadline	9/15/2011								
Approved	<input type="checkbox"/>	Original Year	2011	Person App Year									
Reason	Reason: Pending Flag Change												
Application	7890	CCMA Milling Co											
Reason	7890	CCMA Milling Co											
Comp Rate	Interest Variable: 10.00		Official Variable: 12.00										
Comments	New Product: Certified Access: Supplier: 40.00												
Application Comments													
Application Status	VE:Stop												
Reasons Overlap													
<p>* For applications, this is a direct link. For facilities mapping, use the "Find you by F" function.</p> <p>Coordinate Type</p> <p>Coordinate Type Link</p> <p>lat</p> <p>lon</p>													
<p>Printer Setup</p> <p>Card Num/Variates/Plac_Cmn_Vet_Sup_Sum_Packaged From</p> <p>30 102 12000 10000000000 1000000 10000000000</p> <p>Print Label</p> <p>Knowledge Range Section</p> <p>Source: SCITE</p>													
Print History													
Year	2011	Comp	Variates	Application #									
Year	2011	Rate	30.00	102									
Packer Complete?													

[illegible]


Sampling ← - - - - - Conditioning ← - - - - Transfers ← - - - - Harvesting ←



Seed Analysis - - - - -> **Seed Insp. Report** -> **Bagging and Tagging** -> **Conditioner Auditing**

[illegible]

SEED INSPECTION REPORT* Collegiate Crop Improvement Association Form S - Foreign Seed Certification Division University of California One Shields Avenue Davis, California 95616-8001			IS-90-059D-2
Applicant	IS# _____	Date	
Countries	IS# _____		
<p>A sample of the seed for distribution has been tested to meet minimum seed inspection standards for certification. For certification on seed-dormancy standards as indicated below may be obtained by the owner of the seed subject to the following conditions: (1) seed, and, moreover, responsibility for any portion of the seed so certified as seed of standard quality. If the seed is to meet certification requirements, relations are given below.</p>			
Sample Form	IS# _____		
Variety and Crop	IS# (or #) _____		
Certification No.	IS# (001-0000-00)	Weight of Lot	(in lbs.) _____
Crop Produced	Crop _____	Category	Info _____
Seed Certification Results: (IS#) _____			
Remarks: (To be used for additional storage)			

<h1 style="text-align: center;">CERTIFIED SEED</h1>	
<p>MONTEZUMA OAT 00A-9226-AC232A</p>	
	
<p>MEMBER OF ASSOCIATION OF OFFICIAL SEED CERTIFYING AGENCIES</p>	
<p>• OECD • Seed Scheme</p>	<p>United States of America Certified Seed, 1st Generation</p>
<p>• Systeme • ICCD • pour les • Semences</p>	<p>GOSSTYRINE HYBRIDUM POTINI COTTON</p>
	<p>Species Cultivar</p>
	<p>Planting Stock Number 99A-5550 Reference Number USA(CA)90A-558-714</p>
	<p>State Sealed 1/3/90/01 Bag Weight 50 LBS</p>
	<p><i>Meets EC Norms and Standards, Sampled and Analyzed According to AOSA Rules</i></p>



CERTIFICATION TRAIL

Seed certification is a multi-step process involving the cooperation of Agricultural Commissioner offices.

1. Applications are submitted by seed companies/growers.

Application No: App32498
APPLICATION TO PRODUCE CERTIFIED SEED
For crop year: 2015 / No: App32498
Submitted ONLINE on: 10/9/2015 2:36:00 PM

 **California Crop Improvement Association**
Parsons Seed Certification Center
One Shields Ave
Davis, CA 95616-8541
Phone: (530) 752-0544 Fax: (530) 752-4735
Web: <http://ccia.ucdavis.edu>

APPLICANT
CCIA Milling Co.
Account # 7000
Address: One Shields Ave
City/State/Zip: Davis, California 95616
Office: 530-752-0544
Fax: 530-752-4735
Email: ccia@ucdavis.edu

GROWER
CCIA Milling Co.
Account # 7000
Address: One Shields Ave
City/State/Zip: Davis, California 95616
Office: 530-752-0544
Fax: 530-752-4735
Email: ccia@ucdavis.edu

PRODUCTION INFORMATION
Crop: Alfalfa Variety: CUF 101
Class to be Produced: Certified

PLANTING STOCK

Variety	Cert #	Pounds Planted	Class Planted	Tag Issued	Grown	Purchased From
CUF 101	13CA-111-1111	300.00	Foundation	California	California	Foundation Seed Program

FIELD INFORMATION
Field Name: test
Date Planted: 9/13/2014
County: FRESNO

Township/Range/Section: Select N/Select W/Select
Acres Applied: 80.00

PREVIOUS CROP HISTORY

year	crop_name	entered_variety	app_num
2013	Onion		
2014	Onion		
2015	Fallow		



2. Field inspections are conducted by the CCIA.

3. Field Inspection Reports are issued by the CCIA.

Field Inspection Report
California Crop Improvement Association
Frank G. Parsons Seed Certification Center
University of California
One Shields Avenue
Davis, California 95616-8541

App29837

Date: 5/16/2015

CCIA Milling Co. (Acct # 7000)
One Shields Ave
Davis, CA 95616

The certification numbers below, assigned for acres passed, are to be used to identify the seed harvested and must be stenciled on all containers of seed from the corresponding fields. Field inspection is only a preliminary step in the process of certification which shall be determined by tests of officially drawn samples of seed. Before harvest, the county agricultural commissioner must be notified for supervision of harvesting, cleaning, and any intercounty movement of this seed.

Results below are for your 2014 Alfalfa field located in IMPERIAL county.

Appl Number	Grower	Crop
App29837	CCIA Milling Co. (Acct # 7000)	Alfalfa

Class Produced	Variety
Certified	CUF 101

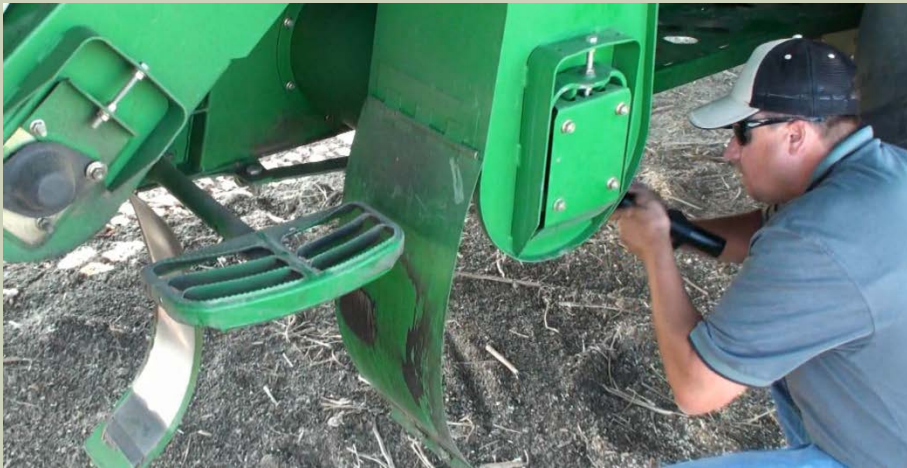
Use certification number 14CA-349-59298 for Certified production

Field Name	Comments
ABC	test

Acres:	Approved	Rejected	FIO	Growout	No Crop
	2.00	0.00	0.00	0.00	0.00


CERTIFICATION TRAIL

4. Harvester inspections are requested of Ag. Com. staff by seed companies/growers prior to harvest when changing varieties or to a higher class of seed. Inspection may be conducted by Ag. Com. staff or an approved individual.



Click here to view the [Harvester Cleanout Inspection Video](#).

5. Inter-agency (state), Inter-county, or Intra-county Transfer Certificates from field to conditioner are issued by Ag. Com. staff.


SEED TRANSFER CERTIFICATE		<input type="checkbox"/> Inter-agency (state)	<input type="checkbox"/> Inter-county	<input type="checkbox"/> Intra-county
 California Crop Improvement Association (CCIA) Persons Seed Certification Center One Shields Avenue Davis, CA 95616-8541 Phone: 530-752-0544 Fax: 530-752-4735 Email: cca@ucdavis.edu Web: cca.ucdavis.edu		Date of seed transfer: _____		
From: PRODUCER/SHIPPER/APPLICANT/GROWER		To: CONSIGNEE/CONDITIONER/STORAGE		
Name: _____		Name: _____		
Address: _____		Address: _____		
County: _____		County: _____		
City, State, Zip: _____		City, State, Zip: _____		
Phone: _____		Phone: _____		
Email: _____		Email: _____		
Variety: _____		State of origin: _____		
Crop/Kind: _____		Year of production: _____		
Certified class: <input type="checkbox"/> Certified <input type="checkbox"/> Registered <input type="checkbox"/> Foundation		Plant Variety Protection: <input type="checkbox"/> Public <input type="checkbox"/> Proprietary		Variety approved for certification: <input type="checkbox"/> Yes <input type="checkbox"/> No
Identification numbers (please provide as much information as possible): Application number: _____ Certification number: _____ Lot number: _____ Field number: _____		Seedstock lot numbers (required for OECD certification of seed destined for EEC countries): _____ _____ _____ _____		
Stage of conditioning: <input type="checkbox"/> Insired (passed field inspection) for conditioning and final certification <input type="checkbox"/> From field _____ # of acres <input type="checkbox"/> From storage <input type="checkbox"/> Conditioned (passed field inspection and cleaned) <input type="checkbox"/> Not finally certified (subject to sampling and lab analysis) <input type="checkbox"/> Certified seed (sampled and lab analysis performed) for: (check all that apply) <input type="checkbox"/> Treatment - coating, inoculation, etc. <input type="checkbox"/> Bagging <input type="checkbox"/> Tagging		Seed container information: Type: <input type="checkbox"/> Retail bags <input type="checkbox"/> Tote bags <input type="checkbox"/> Bulk Number of trucks: _____ <input type="checkbox"/> Blending <input type="checkbox"/> Storage <input type="checkbox"/> Other: _____		
SHIPPER'S DECLARATION: I hereby declare that the seed described on this transfer was produced for certification and that the fields were inspected by and met the minimum field requirements for certification of the above named Seed Certification Authority. Signed _____ Date _____				
SEED CERTIFICATION AUTHORITY DECLARATION: According to certification records the above information appears to be: <input type="checkbox"/> Accurate <input type="checkbox"/> Inaccurate Signed by Agricultural Commissioner/County _____ Date _____ Transfer of seed approved: <input type="checkbox"/> Yes <input type="checkbox"/> No				
<small>The Seed Certification Authority makes no guarantee of the seed documented herein, and assumes no responsibility in connection therewith. The original applicant for certification is responsible for delivering seed from fields inspected in such a manner that variety identity and purity of the seed are maintained. Copies distributed to: Consignee - Agricultural Commissioner - Shipper - CCIA - Receiving Agency</small>				

CERTIFICATION TRAIL

6. Accredited conditioners will inspect seed conditioning equipment for freedom from remnant seed when changing varieties or switching to a higher class of seed. Additionally, Ag. Com. staff will inspect accredited conditioners annually.



7. Inter-agency (state), Inter-county, or Intra-county Transfer Certificates from conditioner to purchaser are issued by Ag. Com. staff.

SEED TRANSFER CERTIFICATE		<input type="checkbox"/> Inter-agency (state)
		<input type="checkbox"/> Inter-county
California Crop Improvement Association (CCIA) Parsons Seed Certification Center One Shields Avenue Davis, CA 95616-8942 Phone: 530-752-0544 Fax: 530-752-4735 Email: ccia@ucdavis.edu Web: ccia.ucdavis.edu		<input type="checkbox"/> Intra-county
From: PRODUCER/SHIPPER/APPLICANT/GROWER		Date of seed transfer: _____
Name: _____		Seed sample submitted for analysis: <input type="checkbox"/> Yes <input type="checkbox"/> No
Address: _____		Total shipment weight: _____
County: _____		To: CONSIGNEE/CONDITIONER/STORAGE
City, State, Zip: _____		Name: _____
Phone: _____		Address: _____
Email: _____		County: _____
Variety: _____		City, State, Zip: _____
Crop/Kind: _____		Phone: _____
Year of production: _____		Email: _____
Certified class: <input type="checkbox"/> Certified <input type="checkbox"/> Registered <input type="checkbox"/> Foundation		Plant Variety Protection: <input type="checkbox"/> Public <input type="checkbox"/> Proprietary
Identification numbers (please provide as much information as possible): Application number: _____ Certification number: _____ Lot number: _____ Field number: _____		Variety approved for certification: <input type="checkbox"/> Yes <input type="checkbox"/> No
Stage of conditioning: <input type="checkbox"/> Indert (passed field inspection) for conditioning and final certification <input type="checkbox"/> From field _____ # of acres <input type="checkbox"/> From storage <input type="checkbox"/> Conditioned (passed field inspection and cleaned) <input type="checkbox"/> Not finally certified (subject to sampling and lab analysis) <input type="checkbox"/> Certified seed (sampled and lab analysis performed) for: (check all that apply) <input type="checkbox"/> Treatment - coating, inoculation, etc. <input type="checkbox"/> Tagging <input type="checkbox"/> Treating		Seed container information: Type: <input type="checkbox"/> Retail bags <input type="checkbox"/> Tote bags <input type="checkbox"/> Bulk Number of trucks: _____
SHIPPER'S DECLARATION: I hereby declare that the seed described on this transfer was produced for certification and that the fields were inspected by and met the minimum field requirements for certification of the above named Seed Certification Authority.		SEED CERTIFICATION AUTHORITY DECLARATION: According to certification records the above information appears to be: <input type="checkbox"/> Accurate <input type="checkbox"/> Inaccurate
Signed _____ Date _____		Transfer of seed approved: <input type="checkbox"/> Yes <input type="checkbox"/> No
Signed by Agricultural Commissioner/County _____ Date _____		

The Seed Certification Authority makes no guarantee of the seed documented above, and assumes no responsibility in connection therewith. The original applicant for certification is responsible for delivering seed from fields inspected in such a manner that varietal identity and purity of the seed are maintained.

Copies distributed to: Consignee - Agricultural Commissioner - Shipper - CCIA - Receiving Agency

CERTIFICATION TRAIL

8. Seed conditioners accredited by the Ag. Com. office will pull representative seed samples using individuals who have completed the CCIA Seed Sampler Certification Program.

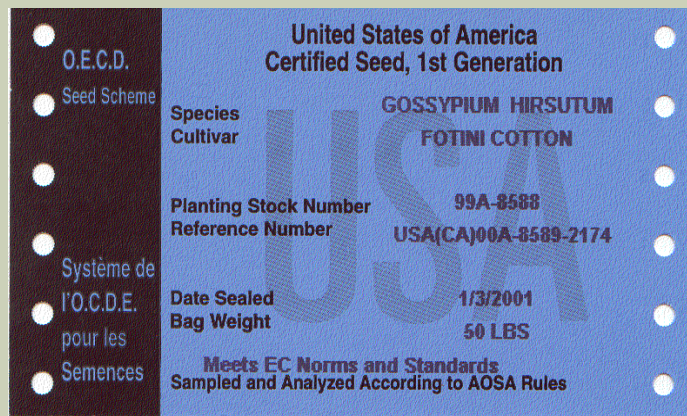
CALIFORNIA CROP IMPROVEMENT ASSOCIATION	
Certification Sample Form	
UNIVERSITY OF CALIFORNIA DAVIS, CA 95616	
Seeds ID:	
Applicant:	
Conditioner:	
Variety:	
Cert Number:	
Lot Number:	
Weight in Lot:	
Class:	
Cert Year:	
Crop:	
Remarks:	
Sample Drawn By:	

9. Seed Inspection Reports are issued by the CCIA.

SEED INSPECTION REPORT		15-SID 45582-0
California Crop Improvement Association Frank G. Parsons Seed Certification Center University of California One Shields Avenue Davis, California 95616-8541		
Applicant:	CCIA Milling Co (ID# 7000) One Shields Ave Davis, CA 95616	Date:
Conditioner:	CCIA Milling Co (ID# 7000) One Shields Ave Davis, CA 95616	
<p>A sample of the seed lot described below has been tested to meet minimum seed inspection standards for certification. Final certification on seed lots meeting standards as indicated below may be obtained by the owner of the seed requesting attachment of official certification tags, and assuming responsibility for any portion of the lot, so certified being of certified seed quality. If the seed fails to meet certification requirements, reasons are given below.</p>		
Sample Form No:	SID 45582	
Variety and Crop:	CUP 101 Alfalfa	
Certification No:	ISCA-232-59298-123	Weight of Lot: 1,000 Pounds
Class Produced:	Certified	Category: Public
Seed Certification Results: REJECTED		
Remarks: Dodder was not detected in sample		

CERTIFICATION TRAIL

10. Tags are issued by the CCIA.



11. Auditing of conditioner's records is conducted by the CCIA.



SEED TRANSFER CERTIFICATES

Seed Transfer Certificates are used for the movement of untagged seed between states, countries, counties, and within counties.

Please note:

- Inter-agency (state) transfers can be used to ship seed to any AOSCA member agency outside of California, including members outside of the United States. Click here to view a [list of member agencies](#).
- Inter-county transfers are movement of seed between different counties within the state of California.
- Intra-county transfers are movement of seed within a given county of California.

SEED TRANSFER CERTIFICATE

California Crop Improvement Association (CCIA)
Parsons Seed Certification Center
One Shields Avenue
Davis, CA 95616-8541
Phone: 530-752-0544 Fax: 530-752-4735
Email: cci@ucdavis.edu Web: cci.ucdavis.edu

Date of seed transfer: _____
Seed sample submitted for analysis: ☐ Yes ☐ No
Total shipment weight: _____

From: PRODUCER/SHIPPER/APPLICANT/GROWER
Name: _____
Address: _____
County: _____
City, State, Zip: _____
Phone: _____
Email: _____

To: CONSIGNEE/CONDITIONER/STORAGE
Name: _____
Address: _____
County: _____
City, State, Zip: _____
Phone: _____
Email: _____

Variety: _____ State of origin: _____
Crop/Kind: _____ Year of production: _____

Certified class: ☐ Certified ☐ Registered ☐ Foundation
Plant Variety Protection: ☐ Public ☐ Proprietary
Variety approved for certification: ☐ Yes ☐ No

Identification numbers (please provide as much information as possible):
Application number: _____
Certification number: _____
Lot number: _____
Field number: _____

Seedstock lot numbers (required for OECD certification of seed destined for EEC countries):

Stage of conditioning: ☐ Indirect (passed field inspection) for conditioning and final certification
☐ From field _____ # of acres
☐ From storage
☐ Conditioned (passed field inspection and cleaned)
☐ Not finally certified (subject to sampling and lab analysis)
Certified seed (sampled and lab analysis performed) for: (check all that apply)
☐ Treatment – coating, inoculation, etc. ☐ Blending
☐ Ragging ☐ Storage
☐ Tagging ☐ Other: _____

Seed container information:
Type: ☐ Retail bags ☐ Tote bags ☐ Bulk
Number of trucks: _____

SHIPPER'S DECLARATION:
I hereby declare that the seed described on this transfer was produced for certification and that the fields were inspected by and met the minimum field requirements for certification of the above named Seed Certification Authority.
Signed _____ Date _____

SEED CERTIFICATION AUTHORITY DECLARATION:
According to certification records the above information appears to be: ☐ Accurate ☐ Inaccurate
Transfer of seed approved: ☐ Yes ☐ No
Signed by Agricultural Commissioner/County _____ Date _____

The Seed Certification Authority makes no guarantee of the seed documented above, and assumes no responsibility in connection therewith. The original applicant for certification is responsible for delivering seed from field inspection in such a manner that correct identity and purity of the seed are maintained.
Copies distributed to: Consignee • Agricultural Commissioner • Shipper • CCIA • Receiving Agency

CONTACT US

ccia.ucdavis.edu

Phone: 530-752-0544

Fax: 530-752-4735