



# Summary of Seed Certification



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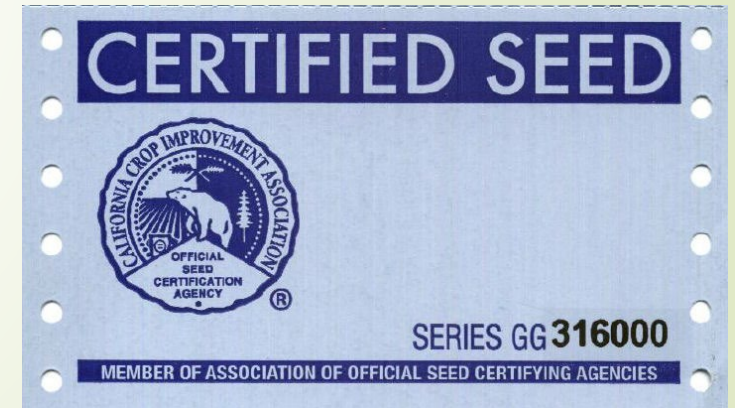
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# What is Seed Certification?

- ❖ 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

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# Why is Seed Certification Important?

- ❖ A 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

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# Certified seed vs Uncertified seed



Certified Barley



Uncertified Barley,  
contaminated



Certified Rice



Uncertified Rice,  
contaminated





# California Crop Improvement Association



- ❖ The 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, and the California Department of Food and Agriculture
- ❖ Non-biased, 3<sup>rd</sup> 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



<https://www.aosca.org>



# Organization for Economic Cooperation and Development (OECD)



<https://www.oecd.org/agriculture/seeds/>

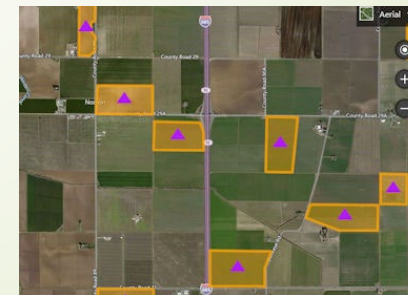
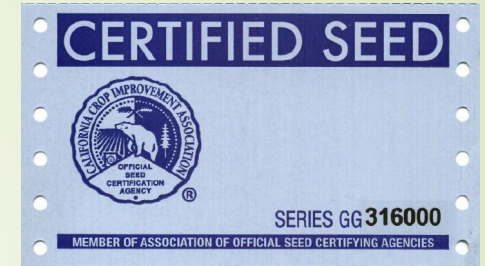
- ❖ The OECD is reference for the certification and standardization of certain agricultural commodities. Some governments have established voluntary international rules in respect of varietal seed identification through OECD Seed Schemes. These Codes and Standards provide passports for international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





# Programs offered by the CCIA

- ❖ Seed Certification
  - California Code of Regulations, Section 3875
- ❖ Seed Potato Certification
- ❖ Turf Certification
- ❖ Quality Assurance
  - Heritage Grain Seed
  - LacTracker – Lettuce Seed
  - Pre-variety Germplasm
  - Rice Seed
- ❖ Crop Isolation Mapping
- ❖ OECD Certificates
- ❖ Certification Technical Committee





# 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

California has 58 counties

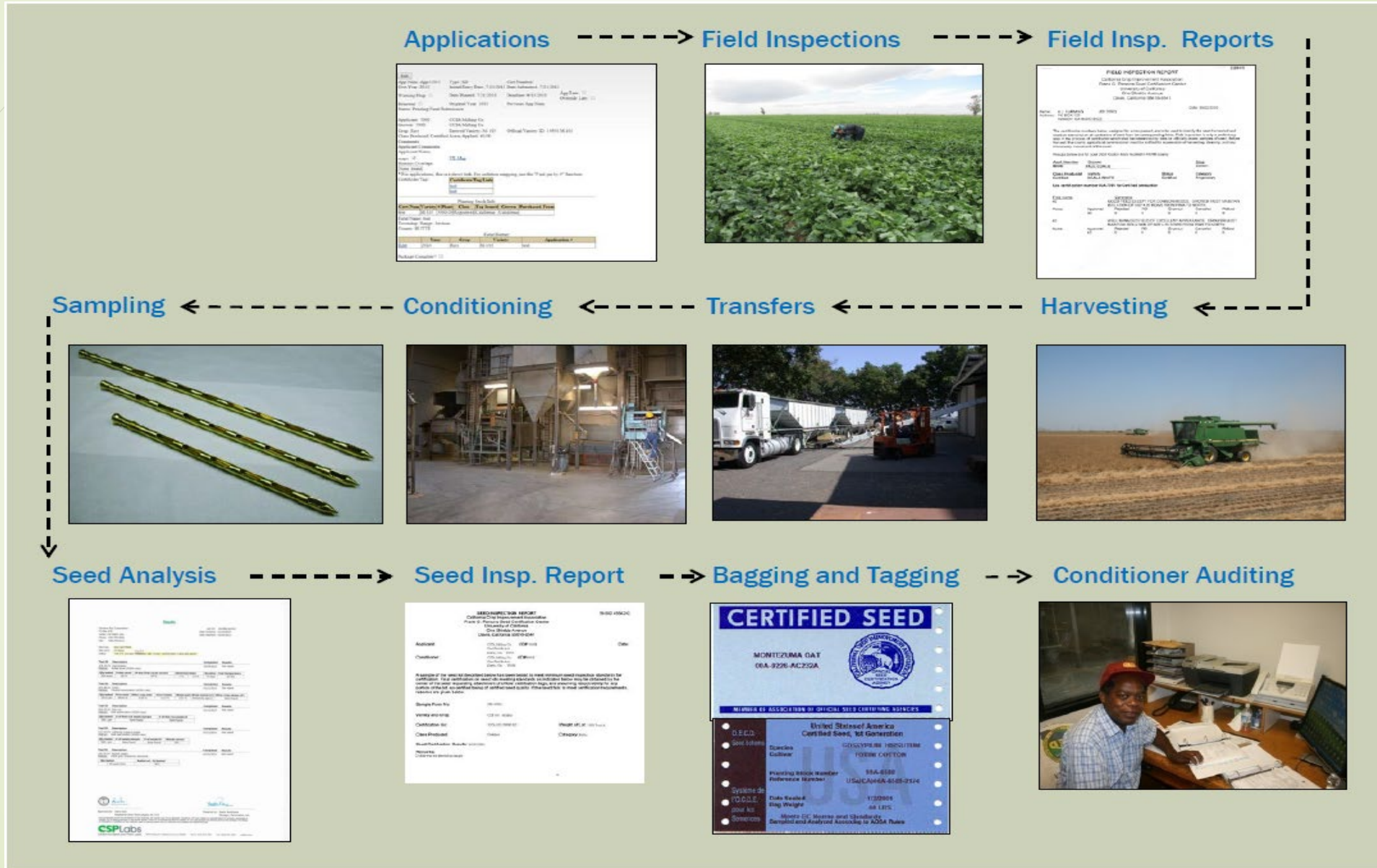


- ❖ More than 25 crops are certified.
- ❖ Top four crops (historically)
  - Sunflower
  - Alfalfa
  - Rice
  - Wheat
- ❖ More than 2,000 applications per year are received.
- ❖ Approximately 100,000 to 150,000 acres are inspected each year.
- ❖ Most inspections are conducted in the Sacramento, San Joaquin, and Imperial Valleys.
- ❖ More than 80 approved seed conditioners in the State.





# The Certification Trail



Applications



Field Inspections



Field Insp. Reports



Sampling



Conditioning



Transfers



Harvesting



Seed Analysis



Seed Insp. Report



Bagging and Tagging



Conditioner Auditing





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

### 1. Applications are submitted by seed companies/growers.

Application No: App32458  
**APPLICATION TO PRODUCE CERTIFIED SEED**  
 For crop year: 2015 / No. App32458  
 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](mailto: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](mailto: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	360.00		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	Oat		
2014	Oat		
2015	Fallow		



### 2. Field inspections are conducted by the CCIA.

### 3. Field Inspection Reports are issued by the CCIA.

App29837

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

CCIA Milling Co. (Acct # 7000) Date: 5/16/2015  
 One Shields Ave  
 Davis, CA 95616

The certification numbers below, assigned for acres passed, are to be used to identify the seed received 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-349-56288 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





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.



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**

California Crop Improvement Association (CCIA)  
Parent Seed Certification Center  
One Shields Avenue  
Davis, CA 95618-5541  
Phone: 530-752-0544 Fax: 530-752-4735  
Email: ccg@ccia.org web: www.ccia.org/dna/seed

Date of seed transfer: 3/3/2022  
Seed sample submitted for analysis?   
Total shipment weight: 1,500,000.0 pounds

From: PRODUCER/SHIPPER/APPLICANT/GROWER  
Name: [Redacted]  
Address: [Redacted]  
County: [Redacted]  
City: [Redacted]  
Phone: [Redacted]  
Email: [Redacted]

To: COMBINE/CONDITIONER/STORAGE  
Name: [Redacted]  
Address: [Redacted]  
County: [Redacted]  
City: [Redacted]  
Phone: [Redacted]  
Email: [Redacted]

Variety: M-205 State of Origin: California  
Crop/Kind: Blue Year of production: 2021  
Class: EC-Certified  
Identification numbers:  
ID: 55951-9400 Seedstock lot numbers (required for OECD certification of seed destined for EC countries):  
Cert Number: 21CA-1-70341  
Lot Number:  
Field Number: Homestead

Stage of Conditioning: Seed Container Information:  
 Inset/Field Run (passed field inspection) for conditioning and final certification Type:  
 From Field (50.00) of acres  Actual bags  
 From Storage  Tote bags  
 Conditioned (passed field inspection and cleaned)  Bulk  
 Not finally certified (subject to sampling and lab analysis) Number of trucks: 22  
 Certified seed (sample and lab analysis performed) for (check all that apply):  
 Treatment: coating, inoculation, etc.  Barding  
 Bagging  Storage  
 Tapping  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

SEED CERTIFICATION AUTHORITY DECLARATION:  
According to verification records the above information appears to be:  
 Accurate  Inaccurate

STEVEN ANDERSON  
Approved by Agricultural Commissioner/County

Transfer of seed approved?   
Date: 3/3/2022





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**

California Crop Improvement Association (CCIA)  
 Parson Seeds Certification Center  
 One Shields Avenue  
 Davis, CA 95616-0541  
 Phone: 530-752-0544 Fax: 530-752-4735  
 Email: cca@ucdavis.edu Web: cca.ucdavis.edu

Date of seed transfer: 3/3/2022  
 Seed sample submitted for analysis?   
 Total shipment weight: 1,500,000.0 pounds

From: PRODUCER/SHIPPER/APPLICANT/GROWER  
 Name: [Redacted]  
 Address: [Redacted]  
 County: [Redacted]  
 City, St: [Redacted]  
 Phone: [Redacted]  
 Email: [Redacted]

To: CONSIGNEE/CONDITIONER/STORAGE  
 Name: [Redacted]  
 Address: [Redacted]  
 County: [Redacted]  
 City, St: [Redacted]  
 Phone: [Redacted]  
 Email: [Redacted]

Variety: M-205  
 Crop/Kind: Rice  
 Class: SD-Certified  
 Identification numbers:  
 ID: 55955-AppD  
 Cert Number: 21CA-1-70341  
 Lot Number:  
 Field Number: Holmestead

State of Origin: California  
 Year of production: 2021

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

Stage of Conditioning:  
 IndurField Run (passed field inspection) for conditioning and final certification Type:  
 From Field 150.00 of acres  
 From storage  
 Conditioned (passed field inspection and cleaned)  
 Not finally certified (subject to sampling and lab analysis)  
 Certified seed (sample and lab analysis performed) for: (check all that apply)  
 Treatment - coating, inoculation, etc.  
 Bagging  
 Tagging

Seed Container Information:  
 Retail bags  
 Tote bags  
 Bulk  
 Number of trucks: 22  
 Blending  
 Storage  
 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.

SEED CERTIFICATION AUTHORITY DECLARATION:  
 According to certification records the above information appears to be:  
 Accurate  
 Inaccurate

STEVEN ANDERSON  
 Approved by Agricultural Commissioner/County

Transfer of seed approved?   
 Date: 3/3/2022



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

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:	

More information about the [Seed Sampler Certification Program](#)

## 9. Seed Inspection Reports are issued by the CCIA.

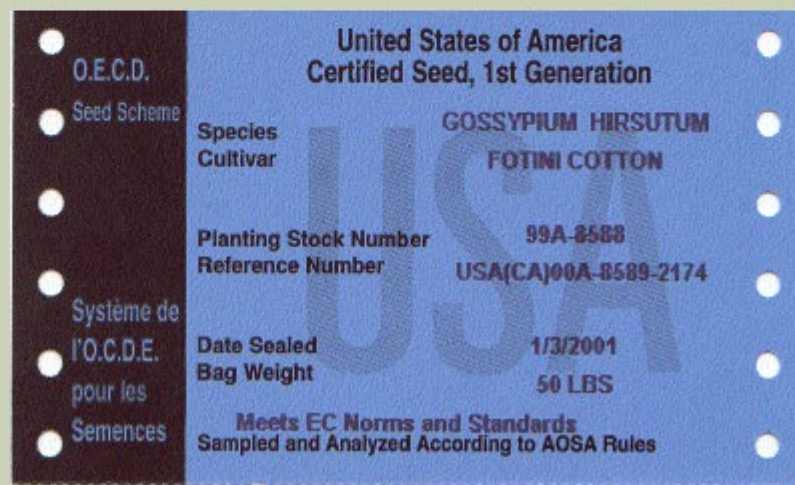
<b>SEED INSPECTION REPORT</b>		15-SID 45582-0
California Crop Improvement Association Frank G. Parsons Seed Certification Center University of California One Shields Avenue Davis, California 95616-8541		
Applicant:	CCIA Milling Co. (ID#7000) One Shields Ave Davis, CA 95616	Date:
Conditioner:	CCIA Milling 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 191 ARNEY	
Certification No:	ISCA-210-09298-103	Weight of Lot: 1,000 g
Class Produced:	091014	Category: Bulk
<b>Seed Certification Results: REJECTED</b>		
Remarks:	Doubts was a detached sample	



10. Tags are issued by the CCIA.



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







# Seed Transfer Certificates

These certificates are used for the movement of untagged seed between states, countries, counties, and within counties.

Definitions of seed transfers:

❖ **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.

[View a list of member agencies](#)

❖ **Inter-county** transfers are movement of seed between different counties with the state of California.

❖ **Intra-county** transfers are movement of seed within a county.

**SEED TRANSFER CERTIFICATE**

California Crop Improvement Association (CCIA)  
Parson Seeds Certification Center  
One Shields Avenue  
Davis, CA 95616-0541  
Phone: 530-752-0544 Fax: 530-752-4735  
Email: cca@ucdavis.edu Web: cca.ucdavis.edu

Date of seed transfer: 3/3/2022  
Seed sample submitted for analysis?   
Total shipment weight: 1,500,000.0 pounds

From: PRODUCER/SHIPPER/APPLICANT/GROWER  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
County: \_\_\_\_\_  
City, St: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_

To: CONSIGNEE/CONDITIONER/STORAGE  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
County: \_\_\_\_\_  
City, St: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_

Variety: M-206 State of Origin: California  
Crop/Kind: Rice Year of production: 2021  
Class: SD-Certified  
Identification numbers:  
ID: 55955 ApplD  
Cert Number: Z1CA-170341  
Lot Number: \_\_\_\_\_  
Field Number: Holmestead

Stage of Conditioning:  
 Indirect Field Run (passed field inspection) for conditioning and final certification Type:  
 From Field 150.00 of acres  
 From storage  
 Conditioned (passed field inspection and cleaned)  
 Not finally certified (subject to sampling and lab analysis)  
 Certified seed (sample and lab analysis performed) for: (check all that apply)  
 Treatment - coating, inoculation, etc.  
 Bagging  
 Tagging

Seed Container Information:  
Type:  
 Retail bags  
 Tote bags  
 Bulk  
Number of trucks: 22  
 Blending  
 Storage  
 Other

Seedstock lot numbers (required for OECD certification of seed destined for EC countries): \_\_\_\_\_

SHIPPER'S DECLARATION:  
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SEED CERTIFICATION AUTHORITY DECLARATION:  
According to certification records the above information appears to be:  
 Accurate  Inaccurate

STEVEN ANDERSON  
Approved by Agricultural Commissioner/County

Transfer of seed approved?   
Date: 3/3/2022



# Contact the CCIA

If you require additional assistance  
please contact us at:

Website – [ccia.ucdavis.edu](http://ccia.ucdavis.edu)

Phone – 530-752-0544

Email – [ccia@ucdavis.edu](mailto:ccia@ucdavis.edu)