

LDAF SEED REGULATORY AND TESTING PROGRAM

- Louisiana Department of Agriculture & Forestry
- State Seed Testing Laboratory
- Louisiana Seed Law & Regulations
- Agricultural Chemistry & Seed Commission



Louisiana Department
Agriculture & Forestry

Mike Strain, DVM, Commissioner

...to promote, protect and advance agriculture and forestry, and soil and water resources

LDAF SEED REGULATORY AND TESTING PROGRAM

Why a strong seed regulatory program?

- Seed importing state
- Ensure that seed meets label guarantees and quality standards
- Protect Louisiana's producers against poor quality seed

Regulatory Seed Sampling & Testing

- Collected by LDAF field inspectors
- Agricultural, vegetable and grass seed
- By individual seed lot
- 4,015 regulatory samples annually
- 5.13% (~200 seed lots) average non-compliance rate over past five years



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Seed-Related Complaints...

- Contact your local seed sales rep
- If no resolution... contact your local LDAF field office/representative
- Provide statement, and information about the complaint
- Important to have... copy or picture seed label, sample of the seed, invoice, etc...
- LDAF field staff will investigate the complaint
- Determine if there is a violation of the Seed Law/Regulations



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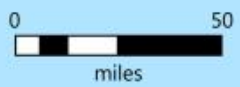
AES District Boundary Map

- Alexandria District
515 Forestry Rd.
Woodworth, La. 71485
318/487-5090
- Baton Rouge District
5825 Florida Blvd. Ste. 1023
Baton Rouge, La. 70806
225/922-1274
- Crowley District
110 S. Western Ave.
Crowley, La. 70526
337/788-7529
- Hammond District
47076 N. Morrison Blvd.
Hammond, La. 70401
985/543-4028
- Monroe District
754 Hwy 80 East
Monroe, La. 71203
318/345-7595
- New Orleans District
1100 Robert E. Lee Blvd. Room 1034
New Orleans, La. 70124
504/286-1125
- Opelousas District
1610 Creswell Ln.
Opelousas, La. 70570
337/948-0230
- Shreveport District
740 Covington Rd.
Shreveport, La. 71037
318/949-3225
- District Office
- Satellite Office



Tonya Peairs of The Louisiana Department of Agriculture and Forestry, Horticulture & Quarantine Division created the data displayed for informational purposes only. This data may be used by others; however, it must be used for it's intended purpose.

ARKANSAS



**Louisiana Department of
Agriculture & Forestry**
Mike Strain DVM, Commissioner



**Office of Agricultural
& Environmental Sciences**
Dr. Ansel T. Rankins, Sr.
Assistant Commissioner
225/925-3770

AES Satellite Offices

Jonesville
1685 Martin Luther King Dr
Jonesville, La. 71343
318/339-7642

Oak Grove
10356 Hwy 17
Oak Grove, La. 71263
318/428-0116

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Information on this label is typically required by State and Federal law.

KIND:	HEMP	LOT#	19000
VARIETY:	HI-PRO		
PURE SEED	95.00%	NET WEIGHT	5 POUNDS
INERT MATTER	01.75%	ORIGIN	CO
OTHER CROP SEED	02.90%	TEST DATE:	09/2018
WEED SEED	00.35%		
GERMINATION	48%		
DORMANT SEED	27%		
NOXIOUS-WEED SEED PER POUND: 18 Buckhorn Plantain			
Super Hemp, Inc. 6606 W. Hemp Ave, Hemp, USA 00000			



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Seed Germination vs. Seed Vigor

- ❑ *Seed Germination Test* – “Evaluation of the seed properties that allow emergence and development of a seedling under favorable field conditions.”
- ❑ *Seed Vigor Test* – “Evaluation of the seed properties that allow rapid field emergence and development of a seedling under a wide range of field conditions.”



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Comparison of Vigor and Germination

Germination Testing

- Required by State and Federal Laws/Regs
- Required to be stated on product label
- Utilizes standardized AOSA Rules test methods
- Conducted using optimal non- stressful lab test conditions

Vigor Testing

- Not required by State and Federal Laws/Regs
- Not required to be stated on product label
- May or may not utilize AOSA standardized test methods
- Conducted using non-optimal very stressful lab testing conditions



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Seed Vigor Tests - Examples



- **Accelerated Aging (aka AA Test)** – Utilizes high heat (104F) and high humidity to stress the seed (*soybeans, sorghum, others*)
- **Cool Test (aka Texas Cool Test)** – Utilizes extended uninterrupted period of constant cool temperature (64F) to stress the seed (*cotton*)
- **Cold Test** - Utilizes cold test temperature (50F) to stress the seed (*corn, rice*)

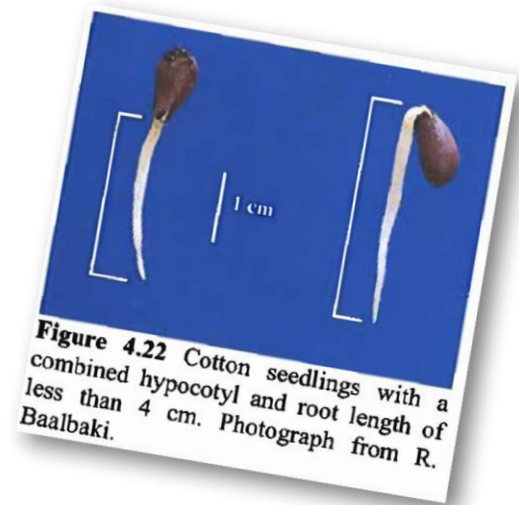


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Warm Germ + Cool Germ = Vigor Score

Cotton seed lot with **HIGHER** vigor.



Cotton seed lot with **LOWER** vigor.



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Direct-to-Farm Seed Sales/Shipments –

LDAF has NO statutory authorization to sample or enforce seed regulations on seed purchased directly outside of the State and shipped directly to the farmer.

To help protect yourself in case of any future seed quality issues...

- Keep a copy or photo of a seed label for EACH seed lot in the shipment
- Keep a small (e.g., quart zip loc bag) identifiable/traceable seed sample for EACH seed lot in the shipment and store sample in a climate-controlled area out of direct sunlight

If you wish to voluntarily have LDAF sample your seed shipment for a fee...

- DO NOT open or break the manufacture seal on the seed containers
- Contact and coordinate an onsite visit by LDAF staff in your area to pull an "unofficial official" seed sample to be tested by the LDAF Seed Lab
- Provide the LDAF inspector all requested documents pertaining to seed shipment



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LDAF SEED REGULATORY AND TESTING PROGRAM

Contact Information

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Telephone 225-925-4733, or visit

www.ldaf.state.la.us/seed-programs/



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