

Louisiana



SOYBEAN & FEED GRAIN REVIEW



Volume VI, Issue XII

November 2008

Contributors
Dr. Ronald Levy
Rob Ferguson
Jim Shipp



Table of Contents

Hybrid/Variety Selection.....	p. 1
2009 Louisiana – “Selects”.....	p. 2
2008 Soybean Variety Test Results.....	p. 3
Upcoming Events.....	p. 8
Contacts.....	p. 8



WHAT'S GOIN' ON...

HYBRID/VARIETY SELECTION

Making the proper variety/hybrid selection is critical to maximize profit potential. Variety selection may be the single most important decision you make. No two farms are alike. There are differences in production practices, soil types and climatic conditions just to name a few. You should plan to plant more than one variety. This will help reduce the risk associated with these conditions and weather. For these reasons, it is important to gather as much data as possible before deciding which varieties to plant.

Begin with data from your area and of similar production conditions, this should include Commercial Variety Trials from Research Stations, Extension demonstrations and/or company trials. If you are unable to find information that matches your production, look for varieties/hybrids that consistently out perform others when averaged across locations. A proven variety is one that performs well in a wide range of conditions, soil types, and locations.

There are many sources of information that can be accessed to view variety/hybrid performance. Contact your local Extension office or the LSU AgCenter website at www.lsuagcenter.com.

LOUISIANA – “SELECTS”

Louisiana – “Selects” is a listing of top performing varieties/hybrids in Louisiana. It was based on Commercial Variety Trials and Extension Demonstrations.

2009 Louisiana – “Selects”

Grain Sorghum:

DeKalb 54-00
DeKalb 53-67
Pioneer 84G62
NC+ 8R18
Terral 1050

Corn Hybrids:

DeKalb DKC67-87	Pioneer 31P42
DeKalb DKC67-23	Pioneer 31P40
Terral TV25R31	Pioneer 31G71
Pioneer 32B29	NK N78N Brand
Dyna-Gro DG58P60	Dyna-Gro DG58V24
Terral TV25BR71	Terral TV26BR61
Pioneer 31D61	Terral TV26BR41
Terral TV26TR41	

Soybean MG III's:

Hornbeck R3824
Armor 39-K4
S04-20912

Soybean MG IV's:

Deltapine DPL 4888	NK S49-H7 Brand
Pioneer 94Y90	Pioneer 94Y70
Progeny 4908RR	NK S44-D5 Brand
Terral TV49R19	Progeny 4918RR
Dyna-Gro DG32P48	Delta King DKXTJ949
Delta Grow 4870RR	Terral TV47R17
S05-4604	Terral TV47R18
USG 74F96	ASGROW 4866
USG 74F78	NC+ 4A81RS
Delta King 4968	Delta Grow 4975RR

Soybean MG V's:

Terral TV59R16	Dyna-Gro DG32B57
Deltapine DPL 5634	S05-4678
Dyna-Gro DG33C59	Delta Grow 5555RR
Pioneer 95M82	NK S52-F2 Brand
Pioneer 95Y70	Terral TV55R15

2009 Soybean Varieties

The following table lists the results of the **2008** Soybean Commercial Variety Trials. This information is posted on the LSU AgCenter website along with agronomic data for each location.

http://www.lsuagcenter.com/en/crops_livestock/crops/soybeans/Variety+Trials++Recommendations/

Table 1A. Highest Yielding Group III Roundup Ready Soybean varieties from four Louisiana locations

Soybean Varieties	DLRS ¹	MRRS ¹	RRS ¹	RRRS ¹	2008 AVG	2yr AVG
Armor 39-K4	45**	60**	24	44	43	43
HBK R3824	44**	63*	42*	59*	52	44
NK S39-A3 Brand	41*	39	30	60*	42	-
S04-20912	42*	62*	32	55*	48	-
S04-3924	39	43	32	57*	43	-

Other Group III Roundup Ready Soybean varieties included in test locations

Croplan RC3935	34	45	27	43	37	36
Dyna-Gro DG 31J39	34	48	34	48	41	38
HBK R3927	37	39	32	49	39	-

Table 1B. Highest Yielding Group IV Roundup Ready Soybean varieties from three Louisiana locations

Soybean Varieties	MRRS ¹	RRS ¹	RRRS ¹	2008 AVG	2yr AVG
Armor ARX4560	32	53	55*	47	-
ASGROW AG4606	65*	37	38	46	-
ASGROW AG4866	55	57	58*	57	-
ASGROW AG4907	36	58	54*	49	-
Croplan RC4757	32	50	58*	47	50
Croplan RC4992	44	57	56*	52	52
Delta Grow 4820RR	45	50	55*	50	-
Delta Grow 4870RR	65*	58	61*	61	-
Delta Grow 4975RR	56	53	57*	55	-
Delta King 4968	57	59**	51	56	57
Delta King 4995	65*	43	44	51	-
Delta King DKXTJ949	48	60*	63*	57	-
Deltapine DP 4888 RR/S	67*	62*	62*	64	60
Dyna-Gro DG 32P48	65*	58	61*	61	-
Dyna-Gro DG 32R46	40	48	61*	49	51
Dyna-Gro DG 33Y45	42	59*	53	51	52
HBK R4727	65*	48	54*	55	53
HBK R4828	39	51	55*	48	-
HBK R4924	37	58	59*	51	55
Morsoy RT4914N	45	59*	57*	54	53
Morsoy RTs4556N	35	53	56*	48	49
Morsoy RTs4955N	40	60*	49	50	-
NC+ 4A81RS	59	48	65*	57	54
NC+ 4A82RS	66*	45	43	51	-
NK S44-D5 Brand	70*	51	54*	58	-
NK S46-U6 Brand	35	45	55*	45	47
NK S49-H7 Brand	70*	56	52	59	-
Pioneer 94Y70	63	52	58*	58	-
Pioneer 94Y90	69*	61*	60*	63	-
Progeny 4606RR	28	46	57*	44	-
Progeny 4906RR	50	50	55*	52	53
Progeny 4908RR	64	67*	58*	63	-
Progeny 4918RR	65*	54	53	57	-
Progeny 4949RR	48	54	59*	53	55
S05-4604	66*	56	60*	61	-
Schillinger 499.RCP	47	56	58*	54	-
Terral TV47R17	48	55	58*	54	55
Terral TV47R18	44	48	55**	49	52
Terral TV49R19	72*	57	54	61	-
USG 74A91	51	41	54*	49	-
USG 74F78	58	60*	55*	58	-
USG 74F96	46	68*	62*	59	-

Other Group IV Roundup Ready Soybean varieties included in test locations

Armor ARX 4717	45	42	52	47	-
ASGROW AG4303	50	32	52	44	-
ASGROW AG4405	39	45	38	41	45
ASGROW AG4605	36	46	53	45	-
ASGROW AG4705	49	39	47	45	-
ASGROW AG4903	47	58	47	51	54
Croplan RC4417	48	44	48	47	-
Croplan RC4455	34	39	43	39	45
Croplan RC4877	56	44	48	49	-
Delta Grow 4150RR	58	35	33	42	43
Delta Grow 4460RR	33	45	43	40	45
Delta Grow 4770RR	39	52	49	47	46
Delta Grow 4780RR	61	38	49	49	50

Table 1B continued

Soybean Varieties	MRRS ¹	RRS ¹	RRRS ¹	2008 AVG	2yr AVG
Delta Grow 4960RR	57	54	51	54	53
Delta Grow 4970RR	52	50	51	51	50
Delta King DK 4667	35	49	49	45	49
Delta King DKXTJ848	40	53	50	48	-
Dyna-Gro DG 36C44	51	36	49	45	-
Dyna-Gro DG 36Y48	43	58	52	51	55
Dyna-Gro DG 37A44	30	43	42	38	44
Dyna-Gro DG 37F46	38	54	52	48	51
HBK HX4843	33	52	49	45	47
HBK R4527	63	50	46	53	54
Morsoy RTs4488N	50	38	48	45	-
NC+ 4A65RS	59	40	43	47	47
NK S43-B1 Brand	51	45	46	48	47
NK S45-E5 Brand	50	42	39	44	-
NK S49-W6 Brand	44	49	53	48	47
Pioneer 94B73	42	46	52	47	47
Pioneer 94M80	57	47	52	52	54
Pioneer 94Y20	53	42	46	47	-
Progeny 4206RR	34	39	46	39	-
Progeny 4405RR	38	39	44	40	-
Progeny 4408RR	49	32	50	44	-
Progeny 4508RR	45	48	46	47	-
Progeny 4706RR	40	46	46	44	47
Progeny 4718RR	58	45	52	51	-
Progeny 4807RR	59	47	52	53	52
Schillinger 457.RC	63	45	50	53	51
Schillinger 478.RCS	48	50	50	49	-
Schillinger 495.RC	44	54	49	49	49
Terral TV44R27	28	45	45	39	44
Terral TV45R18	49	46	39	45	45
Terral TV46R15	50	46	44	47	48
Terral TV46R19	40	47	49	45	-
Terral TV48R14	30	52	48	44	47
Terral TV49R17	28	56	52	45	50
Terral TV49R27	44	51	51	48	50
USG 74A45	38	37	43	39	-

Table 1C. Highest Yielding Group V Roundup Ready Soybean varieties from five Louisiana locations

Soybean Varieties	DLRS ¹	MRRS ¹	NERS ¹	RRS ¹	RRRS ¹	2008 AVG	2yr AVG
Armor GP-533	44	57	40	59*	41*	48	-
ASGROW AG5606	51*	58	39	53	40	48	-
Croplan RC5222	43	67*	33	43	26	43	46
Delta Grow 5170RR	46	22	18	60*	28	35	-
Delta Grow 5470RR	34	47	31	59*	31	40	42
Delta Grow 5555RR	47	58	34	58*	40	48	48
Delta Grow 5970RR	44	46	35	61*	38	45	46
Deltapine DP 5335 RR/S	48	63*	32	56	36	47	46
Deltapine DP 5634 RR	49	62**	38	53	41*	49	50
Dyna-Gro DG 32A53	50*	51	24	44	34	40	36
Dyna-Gro DG 32B57	49	57	40	45	48*	48	50
Dyna-Gro DG 33B52	57*	45	27	48	35	42	35
Dyna-Gro DG 33C59	50*	61	39	56	37	49	51
HBK R5727	49	54	45	50	43*	48	-
Morsoy RT5168N	36	31	25	62*	28	36	-
NK S52-F2 Brand	47	64*	40	50	35	47	48
Pioneer 95M82	52*	60	43	53	36	49	51

Table 1C continued

Soybean Varieties	DLRS ¹	MRRS ¹	NERS ¹	RRS ¹	RRRS ¹	2008 AVG	2yr AVG
Pioneer 95Y41	50*	58	36	57	30	46	-
Pioneer 95Y70	44	59	53*	64*	45*	53	-
Progeny 5107RR	29	35	25	59*	34	37	37
S05-4678	48	63*	33	62*	37	49	-
Terral TV54R28	50*	47	43	39	33	42	46
Terral TV55R15	46	47	43	54	41*	46	49
Terral TV59R16	51*	68**	40	60*	43*	52	52
USG 7553nRS	46	66*	31	50	27	44	-
USG 75J32	38	64*	31	41	26	40	-
USG ALLEN	35	29	37	60*	41*	40	-
Other Group V Roundup Ready Soybean varieties included in test locations							
Armor GP-500	38	41	30	48	34	38	-
ASGROW AG5304	38	18	31	46	23	31	-
ASGROW AG5405	45	60	36	51	33	45	-
ASGROW AG5803	41	31	37	54	39	40	-
Croplan RC5007	44	25	33	43	29	35	43
Croplan RC5437	37	20	38	56	33	37	40
Croplan RC5555	47	59	37	45	-	47	46
Croplan RC5892	42	55	41	51	32	44	47
Croplan RC5955	44	47	29	48	36	41	46
Delta Grow 5280RR	35	52	30	43	37	39	-
Delta Grow 5300RR	47	38	34	46	34	40	45
Delta Grow 5450RR	31	28	42	55	37	39	-
Delta Grow 5570RR	44	34	43	57	33	42	44
Delta Grow 5830RR	44	48	34	49	36	42	44
Delta King DK 52K6	45	54	43	53	35	46	48
Delta King DKXTJ950	40	28	20	53	-	35	-
Dyna-Gro DG 31R54	43	24	38	55	33	39	41
Dyna-Gro DG 33P54	40	13	35	37	22	30	34
Dyna-Gro DG 33X55	45	59	43	51	37	47	48
Dyna-Gro DG 34J56	44	57	39	51	38	46	48
Dyna-Gro DG 35F55	44	48	43	56	38	46	-
Dyna-Gro DG 37P49	38	31	18	52	27	33	-
HBK R5226	30	48	36	46	29	38	43
HBK R5525	40	56	31	48	36	42	44
HBK R5825	44	57	32	48	37	43	46
Morsoy RT5288N	31	61	33	49	36	42	-
NC+ 5A31RS	35	49	29	50	31	39	-
NC+ 5A41RS	34	29	38	53	32	37	-
NK S56-D7 Brand	39	52	35	45	35	41	-
NK S59-B8 Brand	42	59	35	54	35	45	46
Pioneer 95Y20	43	51	39	51	29	43	-
Progeny 5108RR	39	28	20	57	35	36	-
Progeny 5115RR	36	26	28	57	27	35	-
Progeny 5208RR	40	25	23	51	28	33	-
Progeny 5218RR	33	54	27	48	29	38	-
Progeny 5308RR	45	34	42	52	33	41	-
Progeny 5408RR	46	58	33	43	26	41	-
Progeny 5622RR	41	51	39	46	30	41	45
Progeny 5650RR	45	49	35	52	35	43	-
Progeny 5706RR	43	51	35	53	39	44	-
S04-21273	45	58	42	49	35	46	-
Schillinger 557.RC	39	37	38	35	35	37	43
Terral TV52R28	39	42	32	48	32	39	43
Terral TV57R16	42	31	41	53	37	41	42
Terral TVX52R757	39	39	35	49	35	39	-
USG 7582nRR	46	53	35	50	31	43	-

Table 1D. Group VI Roundup Ready Soybean variety tested at four Louisiana locations

Soybean Varieties	DLRS ¹	NERS ¹	RRS ¹	RRRS ¹	2008 AVG	2yr AVG
Dyna-Gro DG 36T60	50	32	55	41	45	-

¹ Data from Dean Lee Research Station, Alexandria (DLRS); Macon Ridge Research Station, Winnsboro (MRRS), Northeast Research Station¹, St. Joseph (NERS), Rice Research Station, Crowley (RRS) and Red River Research Station, Bossier City (RRRS). All yields are expressed in bushels per acre.

* Highest yielding (P = 0.10) at this location in 2008.

** Highest yielding (P = 0.10) at this location in both 2007 and 2008.



Louisiana Soybean Association (LSA)

LSA is a producer-based soybean organization affiliated with the American Soybean Association (ASA) and the United Soybean Board (USB). This organization has many roles, including updating statewide soybean producers on current legislative and environmental issues. The LSA has representatives on the ASA and USB boards. This allows Louisiana issues to be brought to a national audience. As a member of LSA, you support local, state, national and international promotion and use of soybeans. Membership is available to anyone involved in production agriculture. Agribusiness personnel are strongly encouraged to join.

When you join the LSA, you become a member of ASA, which is the collective voice of 25,000 U.S. soybean producers and other agbusiness personnel that are members of the association. By making the choice to become a member of ASA you make that collective voice even more powerful.

ASA is your advocate in Washington D.C., on issues like biodiesel legislation, the Farm Bill, transportation infrastructure and market access. This important policy work is paid for by your voluntary membership in ASA, and cannot come from checkoff dollars. As your number one advocate, ASA testifies before Congress, lobbies Congress and the Administration, provides written comments on key issues, helps develop key legislative language on soybean initiatives and relays information about the importance of ASA issues to the media.

ASA's commitment to policy development begins with the grower-members. They elect state Board members and voting delegates who establish the policy goals for ASA. For more than 85 years, ASA has been working on behalf of its members to build demand, enhance profit opportunities and protect the soybean industry. ASA is proud to represent its soybean grower members, and is looking forward to another 85 years of success.

To increase its representation on the national level, the LSA is seeking new members to be a part of their organization. By purchasing a three year membership to the LSA for \$155.00 the new or renewing member will receive credit for four bags of seed at their respective seed dealership. After paying for a three year membership and purchasing your seed as you normally do, send in a copy of the receipt and where you purchased your seed back to LSA by June 30th, 2007. Your account at that seed dealership that you choose will then be credited for four bags by the respective seed representative.

The seed companies participating in the LSA membership drive are: Asgrow/DeKalb/DPL, Croplan Genetics, Delta Grow, NK/Syngenta Seed, Pioneer and Terral. If you have any questions on joining LSA call Charles Cannatella 337-207-4730 or go online at www.SoyGrowers.com.



UPCOMING EVENTS

January

- 01/07 Evangeline and St. Landry Parish Rice and Soybean School – Ville Platte, LA for details contact Keith Fontenot
kfontenot@agcenter.lsu.edu
- 01/09 Tri-State Soybean Forum – Oak Grove, LA for details contact Myrl Sistrunk
msistrunk@agcenter.lsu.edu
- 01/21 Northeast Louisiana Crop Production Forum – Delhi, LA for details contact Keith Collins
kcollins@agcenter.lsu.edu
- 01/25 The National Conservation Systems Cotton & Rice Conference
Mid-South Corn & Soybean Conference
Mid-South Precision Ag Conference
Marksville, LA
for details go to www.nctd.net



PERSONNEL

STATE EXTENSION SPECIALISTS

- Dr. Jack Baldwin, Professor, Entomology, Baton Rouge
jbaldwin@agcenter.lsu.edu
Responsibilities: Soybeans, Corn & Grain Sorghum
- Dr. Kurt Guidry, Associate Professor, Ag Economics and Agribusiness, Baton Rouge
kmguidry@agcenter.lsu.edu
Responsibilities: Soybeans and feed grain economic marketing
- Dr. Clayton Hollier, Professor, Plant Pathology, Baton Rouge
chollier@agcenter.lsu.edu
Responsibilities: Grain Sorghum, Soybeans, and Corn
- Dr. Ronald Levy, Assistant Professor and Specialist, Dean Lee Research and Extension Center, Alexandria
rlevy@agcenter.lsu.edu
Responsibilities: Soybean, Corn and Grain Sorghum

Dr. Charles Overstreet, Professor, Plant Pathology, Baton Rouge

coverstreet@agcenter.lsu.edu

Responsibilities: Nematodes in all agronomic crops

Mr. J Stevens, Associate Professor and Specialist, Dean Lee Research and Extension Center, Alexandria

jstevens@agcenter.lsu.edu

Responsibilities: Soil fertility for all agronomic crops

Dr. Daniel Stephenson, Assistant Professor, Weed Science, Dean Lee Research and Extension Center, Alexandria

dstephenson@agcenter.lsu.edu

Responsibilities: Soybean, Corn, Grain Sorghum, and Cotton Weed Control

Dr. Bill Williams, Associate Professor, Weed Science, Macon Ridge Research Station, Winnsboro

bwilliams@agcenter.lsu.edu

Responsibilities: Soybean, Corn, Grain Sorghum, Cotton, Wheat and Rice Weed Control

EXTENSION ASSOCIATES

Rob Ferguson, Dean Lee Research & Extension Center, Alexandria

referguson@agcenter.lsu.edu cell phone: 318-308-4191

Jim Shipp, Dean Lee Research & Extension Center, Alexandria

jshipp@agcenter.lsu.edu cell phone: 318-880-4835

PARISH CONTACT INFORMATION

Parish	County Agent	E-Mail Address
Acadia	Barrett Courville	bcourville@agcenter.lsu.edu
Allen	Randall Bellon	rbellon@agcenter.lsu.edu
Avoyelles	Carlos Smith	csmith@agcenter.lsu.edu
Beauregard	Keith Hawkins	khawkins@agcenter.lsu.edu
Bossier	Joseph Barrett	jbarrett@agcenter.lsu.edu
Caddo	John B. LeVasseur	jblevasseur@agcenter.lsu.edu
Calcasieu	Jerry Whatley	jwhatley@agcenter.lsu.edu
Caldwell	Jimmy McCann	jmccann@agcenter.lsu.edu
Cameron	Gary Wicke	gwicke@agcenter.lsu.edu
Catahoula	Cliff Watts	cwatts@agcenter.lsu.edu
Concordia	Glen Daniels	gdaniels@agcenter.lsu.edu
East Carroll	Donna Lee	drlee@agcenter.lsu.edu
Evangeline	Keith Fontenot	kfontenot@agcenter.lsu.edu
Franklin	Carol Pinnell-Alison	cpinnell-alison@agcenter.lsu.edu
Iberia	Blair Hebert	bhebert@agcenter.lsu.edu
Iberville	Louis Lirette	llirette@agcenter.lsu.edu
Jeff Davis	Allen Hogan	ahogan@agcenter.lsu.edu
Lafayette	Stan Dutile	sdutile@agcenter.lsu.edu
Madison	R. L. Frazier	rfrazier@agcenter.lsu.edu
Morehouse	Terry Erwin	terwin@agcenter.lsu.edu
	Richard Letlow	rletlow@agcenter.lsu.edu
Natchitoches	Hubert Wilkerson	hwilkerson@agcenter.lsu.edu
Ouachita	Richard Letlow	rletlow@agcenter.lsu.edu
Pointe Coupee	Miles Brashier	mbrashier@agcenter.lsu.edu
Rapides	Matt Martin	mmartin@agcenter.lsu.edu
Red River	David Yount	dyount@agcenter.lsu.edu
Richland	Keith Collins	kcollins@agcenter.lsu.edu
St. Charles	Rene' Schmit	rschmit@agcenter.lsu.edu
St. Landry	Keith Normand	knormand@agcenter.lsu.edu
St. Martin	Alfred Guidry	aguidry@agcenter.lsu.edu
St. Mary	Jimmy Flanagan	jflanagan@agcenter.lsu.edu
Tensas	Dennis Burns	dburns@agcenter.lsu.edu
Vermilion	Andrew Granger	agranger@agcenter.lsu.edu
Washington	Henry Harrison	hharrison@agcenter.lsu.edu
West Baton Rouge	Louis Lirette	llirette@agcenter.lsu.edu
West Carroll	Myrl Sistrunk	msistrunk@agcenter.lsu.edu
West Feliciana	James Devillier	jdevillier@agcenter.lsu.edu

RESEARCH PERSONNEL

Scientist	Location	Responsibilities	E-mail Address
Dr. Roberto Barbosa	Dept. of Ag Engineering, Baton Rouge	Pesticide application, nozzle selection and variable rate application	rbarbosa@agcenter.lsu.edu
Dr. James Board	School of Plant, Environmental, and Soil Sciences'	Soybeans: water-logging and other cultural practices	jboard@agcenter.lsu.edu
Dr. Don Bouquet	Macon Ridge Station, Winnsboro	Nutrient Mgmt., BMP, and variety testing	dboquet@agcenter.lsu.edu
Dr. Ernie Clawson	NE Research Station, St. Joe	Soybeans: variety testing and early planting	eclawson@agcenter.lsu.edu
Dr. Jeff Davis	Dept. of Entomology, Baton Rouge	Soybean: entomology	jeffdavis@agcenter.lsu.edu
Dr. Dustin Harrell	Rice Research Station, Crowley	Research Agronomist	धारrell@agcenter.lsu.edu
Dr. Fangneng Huang	Dept. of Entomology, Baton Rouge	Corn & grain sorghum: insect pest management	fhuang@agcenter.lsu.edu
Dr. James Griffin	School of Plant, Environmental, and Soil Sciences'	Soybeans and corn: weed management	jgriffin@agcenter.lsu.edu
Dr. Roger Leonard	Macon Ridge Research Station, Winnsboro	Grain crops: sustainable IPM programs	rleonard@agcenter.lsu.edu
Dr. H.J. "Rick" Mascagni	Macon Ridge/NE Research Stations, Winnsboro & St. Joe	Corn & grain sorghum: production and variety testing	hmascagni@agcenter.lsu.edu
Dr. Donnie Miller	NE Research Station, St. Joe	Soybeans: weed control	dmiller@agcenter.lsu.edu
Dr. Steve Moore	Dean Lee Research & Extension Center, Alexandria	Corn: breeding and aflatoxin Soybeans: weathering Coordinator for variety testing	smoore@agcenter.lsu.edu
Dr. Boyd Padgett	Macon Ridge Station, Winnsboro	Small grain diseases	bpadgett@agcenter.lsu.edu
Dr. Ray Schneider	Dept. of Plant Pathology & Crop Physiology, Baton Rouge	Soybean: pathology	rschneider@agcenter.lsu.edu
Dr. Bill Williams	NE Research Station, St. Joe	Corn and grain sorghum: weed management	bwilliams@agcenter.lsu.edu
Dr. Jim Wang	School of Plant, Environmental, and Soil Sciences'	Soil testing, plant analysis, soil chemistry	jjwang@agcenter.lsu.edu

Visit our Web site: www.lsuagcenter.com

Louisiana State University Agricultural Center

William B. Richardson, Chancellor

Louisiana Agricultural Experiment Station

David J. Boethel, Vice Chancellor and Director

Louisiana Cooperative Extension Service

Paul D. Coreil, Vice Chancellor and Director

Issued in furtherance of Cooperative Extension work, Acts of Congress of May 8 and June 30, 1914, in cooperation with the United States Department of Agriculture. The Louisiana Cooperative Extension Service provides equal opportunities in programs and employment.