



# 2004 Louisiana Agricultural Damages:

Estimated Economic Damages Sustained To Louisiana Agriculture  
From Adverse Weather Conditions In 2004

November 2, 2004



# Estimated Economic Damages Sustained To Louisiana Agriculture From Adverse Weather Conditions In 2004

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Increased operating costs, yield reductions, and quality reductions have all characterized agricultural production in Louisiana during the 2004 growing season. Adverse weather conditions during the 2004 growing season marks the fifth time in the past six years in which weather related events has resulted in economic damages to the Louisiana agricultural industry. Excessive rains in May and June of 2004 brought rainfall totals that ranged from 10 inches to over 30 inches in less than a one month time span. As a result, in July of 2004, the LSU AgCenter developed preliminary estimates of the economic damage facing the agricultural industry. However, with the majority of the commodities in the very early stages of the production process, it was extremely difficult to project the exact nature of the damage. Weather conditions that would materialize during the remainder of the growing and harvest seasons would have as much, if not more impact on the final damage figures for the state's agricultural industry.

Shortly after the rains of May and June, concerns regarding agricultural production began to surface throughout the state. The heavy rains and resulting water logged soils were felt to have resulted in nitrogen losses, poorly developed root systems, and increased weed, disease, and insect pressure, all of which could potentially have negative impacts on yield and quality. The exact impact of these factors, however, would be highly dependent on weather conditions that would follow. Unfortunately, for many regions in the state, the excessive rains in May and June were followed by, what was essentially, drought-type conditions.

Because of the unfavorable conditions that followed the rains of May and June and because of the difficulty in ascertaining the impact of the rains in May and June, the LSU AgCenter chose to update its estimates from July. On October 11, 2004, the LSU AgCenter surveyed county agents in each of its 64 parish offices to get their best estimates on quantity and quality losses faced by commodities grown in their parish. In addition to updating estimates on the quality and quantity damage experienced, the LSU AgCenter also updated estimates of market prices, cost of production values, and grade discounts used in estimating economic impacts. Substantial declines in the price for many commodities from July to October necessitated the adjustment of these economic parameter estimates.

Each parish office within the Louisiana Cooperative Extension Service was provided a survey instrument allowing them to provide their best estimates of acres affected, potential yield reduction, quality impacts, and average or typical yields for all commodities in their parish. In those cases in which the parish did not provide an average or typical yield, 5-year parish averages were used. Specifically, each parish office was asked to provide the following information for each of their affected commodities:

- Number of acres with a total loss
- Number of acres loss replanted to a different commodity
- Number of acres loss replanted to the same commodity
- Number of acres prevented from planting
- Number of acres with yield and/or quality damage
- Estimated percent reduction in yield
- Estimated percent of acres with quality damage
- Estimated "normal" or "average" yield
- Number of pasture acres affected
- Average stocking rate on pasture
- Number of loss grazing days

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Of the 64 parishes, 51 parishes (79.68 percent) responded to the survey sent in October (See Figure 1). Of the 51 parishes responding, 42 parishes (82.35 percent) reported damage of some type while nine parishes (17.65 percent) reported no significant damage. The remaining 13 parishes that did not respond to the October survey, six parishes had indicated no damage in the survey conducted in July. As a result, for purposes of this report, these six parishes were assumed to have no damage. Only seven parishes did not respond to either the July or October survey. In general, these parishes have small agricultural industries and would not be thought to significantly change the total estimated economic damages.

The economic damage experienced by Louisiana agriculture can be placed into three general categories. The first category are those damages associated with increased production and operating costs. For those acres that were originally planted to a commodity and were subsequently loss and re-planted to a different crop, the economic estimates represent the costs associated with the original crop up until the time of loss. The estimates for these costs were developed using production costs projections from LSU AgCenter enterprise budgets for each crop through June 2004, the time at which the crop was assumed loss. For acres that had to be re-planted, economic estimates represent the additional costs associated with land preparation and planting. Using LSU AgCenter enterprise budgets, costs estimates were developed for typical field operations needed to re-plant the crop. Finally, for forage, the economic damage estimated represents an estimate of the potential costs livestock producers would face in replacing loss forage availability. Per acre estimates of supplemental nutrition needed to replace loss forage were developed based on average stocking rates and assumed forage intake per animal.

The second major category are those damages associated with reductions in gross revenue. Yield and quality losses reduce the total amount of revenue received per acre by reducing the amount of commodity sold and by reducing the final selling price of that commodity. For each commodity, expected selling prices were developed given current and projected future directions of market prices. Estimates of commodity prices were then used in combination with survey responses on average yields and percent yield reduction to estimate reductions in gross revenue. Market personnel and production specialist were contacted to gain their insight on the amount of quality damage being experienced and the corresponding price discounts. From this information, an average quality discount was determined for each commodity, with the exception of sugarcane and sweet potatoes. Rather than impacting the final selling price, quality damage was assumed to affect the amount of recovered sugar in sugarcane and the amount of potatoes available for the fresh market in sweet potatoes. For sugarcane, quality damage was associated with a reduction in the amount of recovered sugar per ton of cane from a typical or average level. For sweet potatoes, quality damage was associated with a reduction in the percent of the sweet potato crop available for sell in the fresh market versus the canner market.

The final major category are those damages associated with losses in expected net revenue. As with acres that had total crop loss, acres prevented from being planted generate no revenue. However, unlike acres that were planted and then loss, no production costs are associated with acres that were prevented from being planted. Therefore, the economic damage associated with prevented acres is not the reduction in gross revenue, but rather is the amount of net revenue forgone by not being able to plant the crop. Estimates of net revenue were developed for each commodity using LSU AgCenter enterprise budget projections on production costs, estimated commodity prices, and 5-year Olympic averages of state yields.

Table 1 provides a summary of the number of acres affected by commodity and by damage type. Survey responses indicated that a total of 2.11 million acres were impacted by adverse weather representing nearly 59 percent of the total number of acres expected for 2004. The number of acres impacted ranged from a low of 3,147 acres in fruit and vegetable production to 759,927 acres in soybean production. Acres with quality and/or yield damage represented over 83 percent of the total number of acres impacted while re-planted acres represented 8.62 percent of total impacted acres. While estimates indicate that a large portion of the acreage in agricultural production in 2004 was impacted to some extent by the adverse weather, it must be kept in mind that there is potential for double counting of acres. For example, acres that had to be re-planted may have also experienced some yield and/or quality damage. As a result, those acres may have shown up in both columns and would inflate total acres impacted. However, even when the potential for double counting is considered, these estimates show that crop damage was widespread and affected most regions of the state.

Table 2 shows the average yield reduction and percent of acres with quality reduction by commodity. On average, across all commodities, county agents reported that crops experienced a 26.74 percent reduction in yield. Average yield reductions by commodity ranged from a low of 16.58 percent for rice to a high of 53 percent for fruits and vegetables. County agents were also asked to provide the percent of the impacted acres that experienced quality damage. Across all commodities, 57.17 percent of acres experienced quality damage ranging from a low of 24.33 percent to a high of 77.53 percent.

Table 3 provides a summary of the estimated economic impact of adverse weather in 2004. Across all commodities and all damage types, total economic impact on the Louisiana agricultural industry was estimated at slightly over \$232 million. Crop specific damages ranged from a low of \$1.2 million for wheat to a high of \$70.6 million for sugarcane. The \$232 million represents average loss revenue and additional costs of \$109.95 per acre for each impacted acre. Per acre damage values ranged from a low of \$41.67 per acre for wheat to a high of \$1,217.32 per acre for the higher valued crop of sweet potatoes. Economic damage associated with yield reduction of \$171 million was, by far, the largest component of total economic damages representing nearly 74 percent of total damages.

Sugarcane led the way with a total economic impact of \$70.6 million. Reduced tonnage and quality issues assumed to reduce the amount of recoverable sugar were the big issues affecting the sugarcane industry. However, unlike other commodities, the losses experienced in sugarcane this year, were likely, in part, a result of spillover effects from Hurricane Lili in 2002. Soybeans followed sugarcane with total economic impact of \$53.9 million. In addition to considerable yield and quality damage, soybeans lead the way in the number of acres experiencing a total loss as well as in the number of acres that had to be re-planted.

At first glance, the total estimated damage of \$232 million would not seem to be a substantial increase over the \$207 million estimated in July of 2004. With the drought-type conditions that followed the rains in May and June, it was logical to expect the revised estimates to be substantially higher than the preliminary estimates. This is particularly true considering that estimates for quality damage were limited to selected commodities in the preliminary report. However, it must be kept in mind that the price situation for many commodities has eroded severely from July. For example, soybean prices have fallen nearly \$2.00 per bushel during this time frame and corn prices have fallen by nearly \$1.75 per bushel. As a result, despite the number of acres impacted being higher than those in the preliminary report, the total dollar impact is not substantially higher given the reduction in price prospects for many crops. In addition, this report does not address the impact of lower commodity prices. Obviously, lower commodity prices has also had a financial impact on the Louisiana agricultural industry.

Tables 4 and 5 provide the number of acres impacted and the estimated economic damage experienced by commodity and by parish. As shown, there exists a high degree of variability in the extent of the damage among parishes. Total economic damage for the parishes ranged from \$4,678 to \$29.8 million with the number of acres impacted ranging from as few as 119 acres to over 200,000 acres.



Table I. Estimated Number of Acres Impacted by Type of Damage and By Commodity, 2004<sup>A</sup>

Commodity	Number Of Parishes Reporting Damage	Number of Acres With 100% Loss	Number Of Acres Replanted To Another Crop	Number Of Acres Replanted To Same Crop	Number Of Acres Prevented From Planting	Number Of Acres With Yield And/Or Quality Damage	Number Of Acres Impacted By Weather <sup>B</sup>	Total Expected 2004 Acres <sup>C</sup>	Percent Of Total 2004 Acres Impacted
Corn	19	7,839	9,815	320	550	179,841	198,365	405,000	48.98%
Cotton	17	7,250	9,350	14,250	3,845	166,722	201,417	490,000	41.11%
Grain Sorghum	12	1,650	1,135	50	1,190	62,176	66,201	80,000	82.75%
Rice	22	3,115	550	5,645	3,105	317,587	330,002	530,000	62.26%
Soybeans	31	74,259	0	161,340	40,051	484,277	759,927	1,070,000	71.02%
Sugarcane	15	213	0	0	120	221,184	221,517	475,000	46.64%
Sweet Potatoes	7	0	0	300	1,900	9,400	11,600	20,000	58.00%
Wheat	14	1,270	0	0	400	28,194	29,864	150,000	19.91%
Hay	17	865	0	0	500	62,864	64,229	360,000	17.84%
Forage	18	0	0	0	0	225,250	225,250	N/A	N/A
Vegetable/Fruit	11	1,062	35	103	861	1,086	3,147	6,981	45.08%
<b>Total</b>		<b>97,522</b>	<b>20,885</b>	<b>182,008</b>	<b>52,522</b>	<b>1,758,581</b>	<b>2,111,518</b>	<b>3,586,981</b>	<b>58.87%</b>
<b>Percent of Total Impacted Acres</b>		<b>4.62%</b>	<b>0.99%</b>	<b>8.62%</b>	<b>2.49%</b>	<b>83.29%</b>			

<sup>A</sup> Acreage values were provided by County Agricultural Agents from responding parishes.

<sup>B</sup> Acres impacted is the sum of all the acres by type of loss. It includes acres with 100% loss, acres replanted to another crop, acres replanted to the same crop, acres prevented from planting, and acres with yield and/or quality loss. Given that acres replanted, for example, may also have experienced yield damage, there is likely some double counting of acres.

<sup>C</sup> For all commodities listed with the exception of fruit and vegetables, the total expected 2004 acres were obtained from Louisiana Agricultural Statistics Service. The acres are either the Louisiana Agricultural Statistics Service's projection of harvested acres in 2004, or where unavailable, their estimate for 2003 acres. In the case of fruits and vegetables, the estimate was developed by summing state acreage estimates from the 2003 Louisiana Agricultural Summary publication for each of the fruit and vegetable crops for which damage was reported.

Table 2. Average Responses to Yield Reduction Percentage and Percentage of Acreage With Quality Damage<sup>A</sup>

Commodity	Average Response To Percentage Of Yield Reduction	Average Response To Percentage of Acres With Quality Damage
Corn	22.97%	45.57%
Cotton	25.86%	46.18%
Grain Sorghum	24.17%	47.00%
Soybeans	31.19%	58.57%
Rice	16.58%	24.33%
Sweet Potatoes	26.43%	68.57%
Sugarcane	17.90%	70.13%
Wheat	20.21%	72.08%
Hay	29.09%	77.53%
Fruits/Vegetables	53.00%	61.76%
Forage <sup>B</sup>	N/A	N/A
<b>Average</b>	<b>26.74%</b>	<b>57.17%</b>

<sup>A</sup> The percentage values shown apply only to reported impacted acres. They do not, therefore, represent the percentage across all acres grown in Louisiana.

<sup>B</sup> For forage, no questions on yield or quality loss were asked. However, county agents were asked to provide the estimated number of loss grazing days, which is an indication of yield reduction. On average, agents reported that 25.5 grazing days had been loss.

**Table 3. Estimated Economic Damages Associated With Weather Difficulties In 2004<sup>A,B</sup>**

Commodity	Estimated Costs Of Acres Totally Loss	Estimated Costs Of Loss Acres Planted To Other	Estimated Replanting Costs	Loss Revenue Due To Prevented Planting	Estimated Costs Of Expected Yield Reduction	Estimated Costs Of Expected Quality Reduction	Estimated Total Economic Damage	Estimated Damage Per Impacted Acre <sup>C</sup>
Corn	\$2,354,573	\$1,605,341	\$14,189	\$26,983	\$11,041,884	\$436,636	\$15,479,605	\$78.04
Cotton	\$4,215,150	\$1,555,560	\$987,383	\$58,559	\$21,304,545	\$844,379	\$28,965,575	\$143.81
Grain Sorghum	\$316,725	\$40,531	\$828	\$53,645	\$3,712,318	\$68,315	\$4,192,362	\$63.33
Rice	\$1,706,321	\$98,753	\$359,248	\$231,447	\$29,397,316	\$1,152,725	\$32,945,809	\$99.84
Soybeans	\$14,087,117	\$0	\$5,800,173	\$1,916,841	\$30,562,332	\$1,620,454	\$53,986,916	\$71.04
Sugarcane <sup>D</sup>	\$255,000	\$0	\$0	\$9,352	\$56,692,706	\$13,662,863	\$70,619,920	\$318.80
Sweet Potatoes	\$0	\$0	\$86,916	\$317,623	\$11,737,478	\$1,978,946	\$14,120,962	\$1,217.32
Wheat	\$248,150	\$0	\$0	\$0	\$749,358	\$247,044	\$1,244,551	\$41.67
Hay	\$141,925	\$0	\$0	\$0	\$1,656,290	\$2,117,337	\$3,915,552	\$60.96
Forage <sup>E</sup>	\$0	\$0	\$0	\$0	\$3,304,125	\$0	\$3,304,125	N/A
Vegetable/Fruit	\$1,548,900	\$10,237	\$19,988	\$373,108	\$1,371,436	\$70,545	\$3,394,215	\$1,078.56
<b>Total</b>	<b>\$24,873,861</b>	<b>\$3,310,422</b>	<b>\$7,268,724</b>	<b>\$2,987,558</b>	<b>\$171,529,787</b>	<b>\$22,199,242</b>	<b>\$232,169,594</b>	<b>\$109.95</b>
<b>Percent of Total Damage</b>	<b>10.71%</b>	<b>1.43%</b>	<b>3.13%</b>	<b>1.29%</b>	<b>73.88%</b>	<b>9.56%</b>		

<sup>A</sup> Estimates include costs associated with acres replanted to another crop, costs associated with replanting the same crop, loss revenue due to yield reduction or total yield loss, loss estimated net revenue from preventive plantings, and loss revenue due to quality reduction.

<sup>B</sup> Survey responses also indicated damage to oats, pecans, and hay sprigs that were not included in these estimates.

<sup>C</sup> Estimated per acre costs are calculated by dividing total economic damage by the total number of acres impacted from Table 1.

<sup>D</sup> Estimates for yield and quality damage for sugarcane represent both the producer and mill share.

<sup>E</sup> Estimates for forage(pasture) is the estimated cost of replacing loss forage.

Table 3. Number of Acres Impacted By Adverse Weather Conditions By Commodity and By Parish, 2004.

Parish	Grain					Sweet			Fruit /		Total Acres	
	Corn	Cotton	Sorghum	Rice	Soybeans	Sugarcane	Potatoes	Wheat	Hay	Forage		Vegetables
Acadia	900	0	1,000	90,300	107,500	1,500	1,000	1,000	0	0	0	203,200
Allen	0	0	0	19,900	8,000	0	0	0	0	0	311	28,211
Ascension	0	0	0	0	0	0	0	0	0	0	0	0
Assumption	0	0	0	0	0	0	0	0	0	0	0	0
Avoyelles	18,000	16,600	17,000	12,000	74,000	21,000	4,300	2,000	0	12,000	0	176,900
Beauregard	0	0	0	1,650	3,400	0	0	0	0	0	0	5,050
Bienville	0	0	0	0	0	0	0	0	0	0	0	0
Bossier	0	0	0	0	0	0	0	0	0	0	0	0
Caddo	0	0	0	0	0	0	0	0	0	0	0	0
Calcasieu	0	0	0	6,500	6,500	1,000	0	0	0	60,000	0	74,000
Caldwell	0	0	0	0	0	0	0	0	0	0	0	0
Cameron	0	0	0	0	0	0	0	0	0	0	0	0
Catahoula	26,000	41,400	16,800	4,000	16,500	0	0	400	5,000	5,000	0	115,100
Claiborne	0	0	0	0	0	0	0	0	0	0	0	0
Concordia	22,757	26,141	6,953	5,840	120,020	0	0	2,800	4,564	0	0	189,075
Desoto	0	0	0	0	85	0	0	0	0	0	0	85
E. Baton Rouge	0	0	0	0	0	0	0	0	0	0	0	0
East Carroll	7,500	3,650	0	50	750	0	0	0	0	0	0	11,950
East Feliciana	0	0	0	0	0	0	0	0	5,500	33,375	0	38,875
Evangeline	850	600	0	49,300	38,500	0	300	0	7,000	4,500	0	101,050
Franklin	1,500	2,000	0	0	3,500	0	0	0	1,000	0	0	8,000
Grant	0	0	0	0	0	0	0	0	0	0	0	0
Iberia	0	0	0	0	0	0	0	0	0	0	0	0
Iberville	0	0	0	0	8,500	30,000	0	0	0	0	0	38,500
Jackson	0	0	0	0	0	0	0	0	2,500	0	0	2,500
Jefferson	0	0	0	0	0	0	0	0	0	0	0	0
Jeff Davis	0	0	0	85,560	39,600	0	0	500	8,000	0	0	133,660
Lafayette	250	0	202	687	8,695	7,250	0	907	1,500	15,000	0	34,491
Lafourche	0	0	0	0	0	30,120	0	0	0	5,000	0	35,120
LaSalle	0	0	0	0	125	0	0	0	0	1,000	0	1,125
Lincoln	0	0	0	0	0	0	0	0	0	25,000	175	25,175
Livingston	0	0	0	0	0	0	0	0	100	0	10	110
Madison	15,000	25,000	4,000	7,000	70,500	0	0	3,600	0	0	0	125,100
Morehouse	43,673	21,050	2,500	6,500	39,800	0	1,000	0	0	0	0	114,523
Natchitoches	14,000	8,850	2,100	4,000	21,500	0	0	500	11,000	5,000	0	66,950
Orleans	0	0	0	0	0	0	0	0	0	0	0	0
Ouachita	4,716	4,380	250	500	6,460	0	0	0	0	0	0	16,306
Plaquemines	0	0	0	0	0	0	0	0	0	0	0	0
Pt. Coupee	4,110	12,700	335	250	20,500	18,400	0	1,100	0	8,000	0	65,395
Rapides	8,850	16,250	4,147	4,530	26,300	1,300	0	0	6,000	2,500	0	69,877
Red River	0	3,000	0	0	3,300	0	0	1,170	0	0	4	7,474
Richland	0	1,500	0	1,200	3,000	0	200	0	0	0	0	5,900
Sabine	0	0	0	0	0	0	0	0	0	0	0	0
St Bernard	0	0	0	0	0	0	0	0	0	0	0	0
St Charles	0	0	0	0	822	2,280	0	0	2,965	3,500	44	9,611
St Helena	0	0	0	0	0	0	0	0	600	5,000	0	5,600
St James	0	0	0	0	0	3,750	0	0	0	0	0	3,750
St John	0	0	0	0	0	0	0	0	0	0	0	0
St Landry	12,603	1,997	10,914	18,835	107,970	17,917	1,100	12,187	0	0	0	183,522
St Martin	0	0	0	1,000	8,000	33,000	0	0	0	5,000	0	47,000
St Mary	0	0	0	0	0	0	0	1,800	0	0	0	1,800
St Tammany	0	0	0	0	0	0	0	0	0	0	0	0
Tangipahoa	0	0	0	0	0	0	0	0	0	0	119	119
Tensas	200	2,000	0	0	300	0	0	0	0	0	0	2,500
Terrebonne	0	0	0	0	150	10,000	0	0	1,000	1,000	0	12,150
Union	0	0	0	0	0	0	0	0	0	0	1,500	1,500
Vermilion	0	0	0	10,000	10,900	32,000	0	0	0	0	0	52,900
Vernon	0	0	0	0	0	0	0	0	0	0	0	0
Washington	0	0	0	0	0	0	0	0	0	1,000	800	1,800
Webster	105	0	0	0	0	0	0	0	0	0	62	167
W. Baton Rouge	0	0	0	0	3,750	12,000	0	1,800	1,000	0	0	18,550
West Carroll	17,193	14,299	0	400	1,000	0	3,700	100	1,000	0	41	37,733
West Feliciana	0	0	0	0	0	0	0	0	5,500	33,375	0	38,875
Winn	158	0	0	0	0	0	0	0	0	0	81	239
<b>Total</b>	<b>198,365</b>	<b>201,417</b>	<b>66,201</b>	<b>330,002</b>	<b>759,927</b>	<b>221,517</b>	<b>11,600</b>	<b>29,864</b>	<b>64,229</b>	<b>225,250</b>	<b>3,147</b>	<b>2,111,518</b>

Table 4. Estimated Economic Damage Associated With Adverse Weather Conditions By Commodity and By Parish, 2004.

Parish	Grain				Sweet				Hay	Forage	Fruits/ Vegetables	Total Damage
	Corn	Cotton	Sorghum	Rice	Soybeans	Sugarcane	Potatoes	Wheat				
Acadia	\$18,042	\$0	\$21,238	\$11,475,092	\$12,054,830	\$151,200	\$502,400	\$52,863	\$0	\$0	\$0	\$24,275,664
Allen	\$0	\$0	\$0	\$2,402,607	\$593,098	\$0	\$0	\$0	\$0	\$0	\$228,356	\$3,224,060
Ascension	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Assumption	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Avoyelles	\$2,220,751	\$3,956,862	\$1,101,706	\$2,116,745	\$5,333,360	\$7,563,150	\$7,285,735	\$131,162	\$0	\$108,900	\$0	\$29,818,371
Beauregard	\$0	\$0	\$0	\$143,055	\$91,540	\$0	\$0	\$0	\$0	\$0	\$0	\$234,595
Bienville	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bossier	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Caddo	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Calcasieu	\$0	\$0	\$0	\$615,043	\$433,048	\$156,000	\$0	\$0	\$0	\$168,300	\$0	\$1,372,391
Caldwell	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cameron	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Catahoula	\$1,671,840	\$4,460,141	\$1,190,865	\$180,200	\$992,130	\$0	\$0	\$16,240	\$110,000	\$0	\$0	\$8,621,416
Claiborne	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Concordia	\$1,305,736	\$4,302,589	\$420,036	\$420,231	\$8,692,066	\$0	\$0	\$129,313	\$112,282	\$0	\$0	\$15,382,253
Desoto	\$0	\$0	\$0	\$0	\$4,678	\$0	\$0	\$0	\$0	\$0	\$0	\$4,678
E.Baton Rouge	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
East Carroll	\$483,750	\$328,587	\$0	\$27,625	\$97,410	\$0	\$0	\$0	\$0	\$0	\$0	\$937,372
East Feliciana	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$495,000	\$256,988	\$0	\$751,988
Evangeline	\$85,903	\$64,448	\$0	\$6,038,705	\$2,967,560	\$0	\$160,114	\$0	\$490,000	\$43,313	\$0	\$9,850,042
Franklin	\$235,090	\$138,580	\$0	\$0	\$140,725	\$0	\$0	\$0	\$0	\$0	\$0	\$514,395
Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Iberia	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Iberville	\$0	\$0	\$0	\$0	\$629,485	\$13,065,000	\$0	\$0	\$0	\$0	\$0	\$13,694,485
Jackson	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$47,750	\$0	\$0	\$47,750
Jefferson	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Jeff Davis	\$0	\$0	\$0	\$4,193,621	\$1,716,786	\$0	\$0	\$38,645	\$240,000	\$0	\$0	\$6,189,052
Lafayette	\$12,166	\$0	\$8,332	\$42,217	\$716,056	\$1,366,625	\$0	\$24,203	\$8,250	\$495,000	\$0	\$2,672,849
Lafourche	\$0	\$0	\$0	\$0	\$0	\$8,469,352	\$0	\$0	\$0	\$28,875	\$0	\$8,498,227
LaSalle	\$0	\$0	\$0	\$0	\$8,386	\$0	\$0	\$0	\$0	\$6,188	\$0	\$14,574
Lincoln	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,100,000	\$193,554	\$1,293,554
Livingston	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000	\$0	\$15,600	\$20,600
Madison	\$1,393,200	\$2,142,000	\$246,000	\$401,625	\$3,107,680	\$0	\$0	\$214,592	\$0	\$0	\$0	\$7,505,097
Morehouse	\$3,099,687	\$2,718,359	\$132,840	\$383,007	\$2,635,101	\$0	\$1,130,938	\$0	\$0	\$0	\$0	\$10,099,931
Natchitoches	\$1,758,894	\$2,336,731	\$114,193	\$790,166	\$1,481,025	\$0	\$0	\$38,593	\$1,050,000	\$66,000	\$0	\$7,635,601
Orleans	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Ouachita	\$314,612	\$516,474	\$10,916	\$23,742	\$309,009	\$0	\$0	\$0	\$0	\$0	\$0	\$1,174,752
Plaquemines	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pt. Coupee	\$592,381	\$3,117,673	\$12,954	\$19,285	\$2,252,486	\$9,086,214	\$0	\$40,876	\$0	\$66,000	\$0	\$15,187,869
Rapides	\$743,866	\$2,004,637	\$242,108	\$402,170	\$1,485,345	\$419,520	\$0	\$0	\$247,200	\$6,875	\$0	\$5,551,720
Red River	\$0	\$333,745	\$0	\$0	\$257,502	\$0	\$0	\$164,110	\$0	\$0	\$6,900	\$762,257
Richland	\$0	\$103,935	\$0	\$83,998	\$119,760	\$0	\$274,219	\$0	\$0	\$0	\$0	\$581,912
Sabine	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
St Bernard	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
St Charles	\$0	\$0	\$0	\$0	\$52,207	\$687,298	\$0	\$0	\$341,620	\$565,950	\$234,787	\$1,881,862
St Helena	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$63,000	\$38,500	\$0	\$101,500
St James	\$0	\$0	\$0	\$0	\$0	\$672,891	\$0	\$0	\$0	\$0	\$0	\$672,891
St John	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
St Landry	\$460,453	\$209,073	\$691,175	\$1,416,799	\$6,009,853	\$4,407,960	\$1,305,391	\$201,474	\$0	\$0	\$0	\$14,702,178
St Martin	\$0	\$0	\$0	\$45,050	\$858,000	\$9,240,000	\$0	\$0	\$0	\$68,750	\$0	\$10,211,800
St Mary	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$67,246	\$0	\$0	\$0	\$67,246
St Tammany	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Tangipahoa	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$716,040	\$716,040
Tensas	\$1,075	\$103,935	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$105,010
Terrebonne	\$0	\$0	\$0	\$0	\$6,996	\$3,360,000	\$0	\$0	\$61,000	\$22,000	\$0	\$3,449,996
Union	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,429,200	\$1,429,200
Vermilion	\$0	\$0	\$0	\$1,699,371	\$667,803	\$8,919,511	\$0	\$0	\$0	\$0	\$0	\$11,286,685
Vernon	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Washington	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,500	\$364,680	\$370,180
Webster	\$12,281	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,717	\$35,998
WBaton Rouge	\$0	\$0	\$0	\$0	\$233,470	\$3,055,200	\$0	\$123,660	\$75,950	\$0	\$0	\$3,488,280
West Carroll	\$1,058,161	\$2,127,808	\$0	\$25,456	\$39,523	\$0	\$3,462,167	\$1,575	\$73,500	\$0	\$83,923	\$6,872,111
West Feliciana	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$495,000	\$256,988	\$0	\$751,988
Winn	\$11,717	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$97,459	\$109,176
<b>Total</b>	<b>\$15,479,605</b>	<b>\$28,965,575</b>	<b>\$4,192,362</b>	<b>\$32,945,809</b>	<b>\$53,986,916</b>	<b>\$70,619,920</b>	<b>\$14,120,962</b>	<b>\$1,244,551</b>	<b>\$3,915,552</b>	<b>\$3,304,125</b>	<b>\$3,394,215</b>	<b>\$232,169,594</b>