Brazil Soybean Transportation

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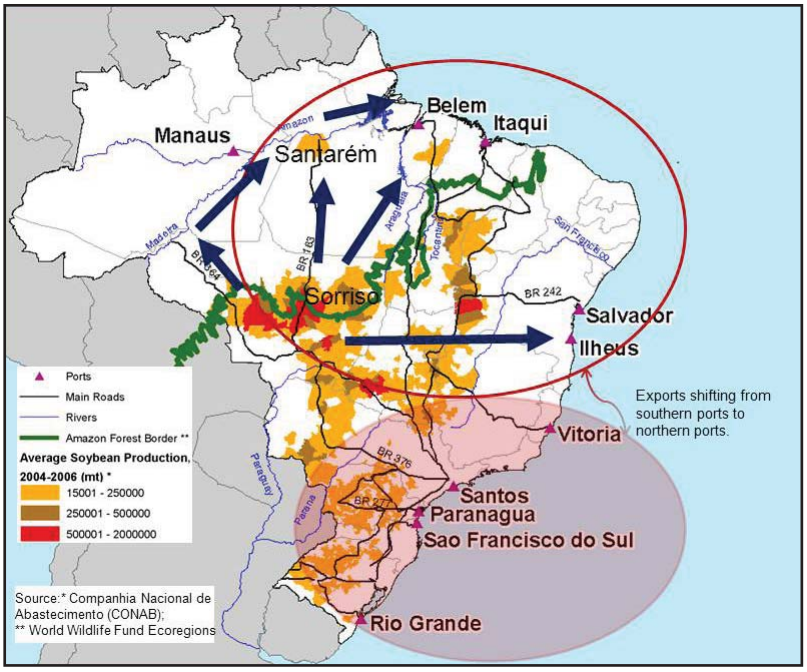
Higher Farm Prices Offset Rises in Transportation Cost. In June, the Brazilian soybean harvest season ended, reaching an estimated record of 75.3 million metric tons (mmt), helped by high yields and favorable weather conditions. The 2010/11 national grain production reached 161.5 mmt as Brazilian farmers planted more cotton, beans, soybeans, and rice (CONAB). This record crop, limited port capacity, and lack of alternative transportation modes and routes to export ports, drove truck rates during the first half the year. During the 2nd quarter, the cost of shipping a metric ton (mt) of soybeans 100 miles by truck in Brazil increased 16 percent to US$12.52, from US$10.77 at the same time last year (table 6). Farm prices in Mato Grosso (MT) increased more than 40 percent from last year, lowering transportation as a percentage of total landed cost by 18 percent. Transportation as a percentage of total landed cost from Brazil to Shanghai declined 18–26 percent; shipping to Hamburg declined 5–25 percent (tables 1 and 2). Brazilian soybean exports from January–June dropped slightly from last year as producers spread out their sales throughout the year.



Brazil soybean main export destinations, January-June 2010/11			
Country	2010	2011	% Change
	—1,000 mt —		
China	12,998	12,325	-5.2
Low countries	962	1,052	9.3
Spain	874	1,437	64.4
Germany	200	169	-15.8
Rest of the world	3,458	2,133	-9.4
Total	18,492	18,116	-2.0

Source: SECEX, CONAB

Higher commodity prices and appreciation of the Brazilian real against the U.S. dollar benefit both Brazilian farmers and exporters. During the first 5 months of the year, farmers continued investing in farm equipment. Fertilizer use increased 24 percent to 8.6 million tons from 6.9 mmt at the same time last year (CONAB). To insure Brazilian agricultural competiveness for next year the government announced a new Agriculture and Livestock Plan for the 2011/2012 season, valued at US$107.2 billion, that will finance operations, investment, marketing, and will grant rural insurance premiums (see map above). The government also wants to diversify agricultural production by reducing the country's dependency on soybean and corn crops.

More than 80 percent of the Brazilian soybean and corn exports are shipped through the South and Southeast ports of Tubarão/Vitoria (ES), Santos (SP), Paranaguá (PR), Sao Francisco do Sul (SC) and Rio Grande (RS). Through the Growth Acceleration Program – PAC 1 and 2[1], the government wants to reduce export route distances and ports congestion by shifting exports to the North and Northeast ports of Itacoatiara (AM), Outeiro, Vila do Conde and Santarém (PA), Itaqui (MA), Salvador and Ilheus (BA) to reduce transportation cost from the States of Goiás, Mato Grosso, Tocantins, Maranhao, Bahia, and Piaui. These States account for half of exports. China buys more than half of Brazilian soybeans.

For example, as a result of PAC 1, Mato Grosso's agricultural competitiveness will improve considerably when the paving of highway BR-163 is completed in 2012. It will shift soybeans exports from the Southern ports of Santos and Paranaguá to the north port of Santarém on the Amazon River. Sorriso, North MT, is located about 707 miles from Santarem, 1,190 from Santos and 1,262 miles from Paranaguá. If grain export terminal capacity is expanded, then transportation cost from Sorriso to Santarém may decline 27−42 percent (Brazil Soybean Transportation, 10/29/10; Soybean Transportation Guide: Brazil 2010). Currently, there is one grain terminal in the port of Santarem operated by Cargill. It has a storage capacity of 60,000 mt with a potential growth to 90,000 mt. In compliance with Brazil's National Environmental Policy (NEP) to avoid port disruptions once BR-163 is finished in 2012, Cargill developed an Environmental Impact Study (EIA) to obtain the license to expand capacity by 30,000 mt. For more information contact Delmy L. Salin at delmy.salin@usda.gov.

1 PAC 1 created in January 2007 and PAC 2 in March 2010.

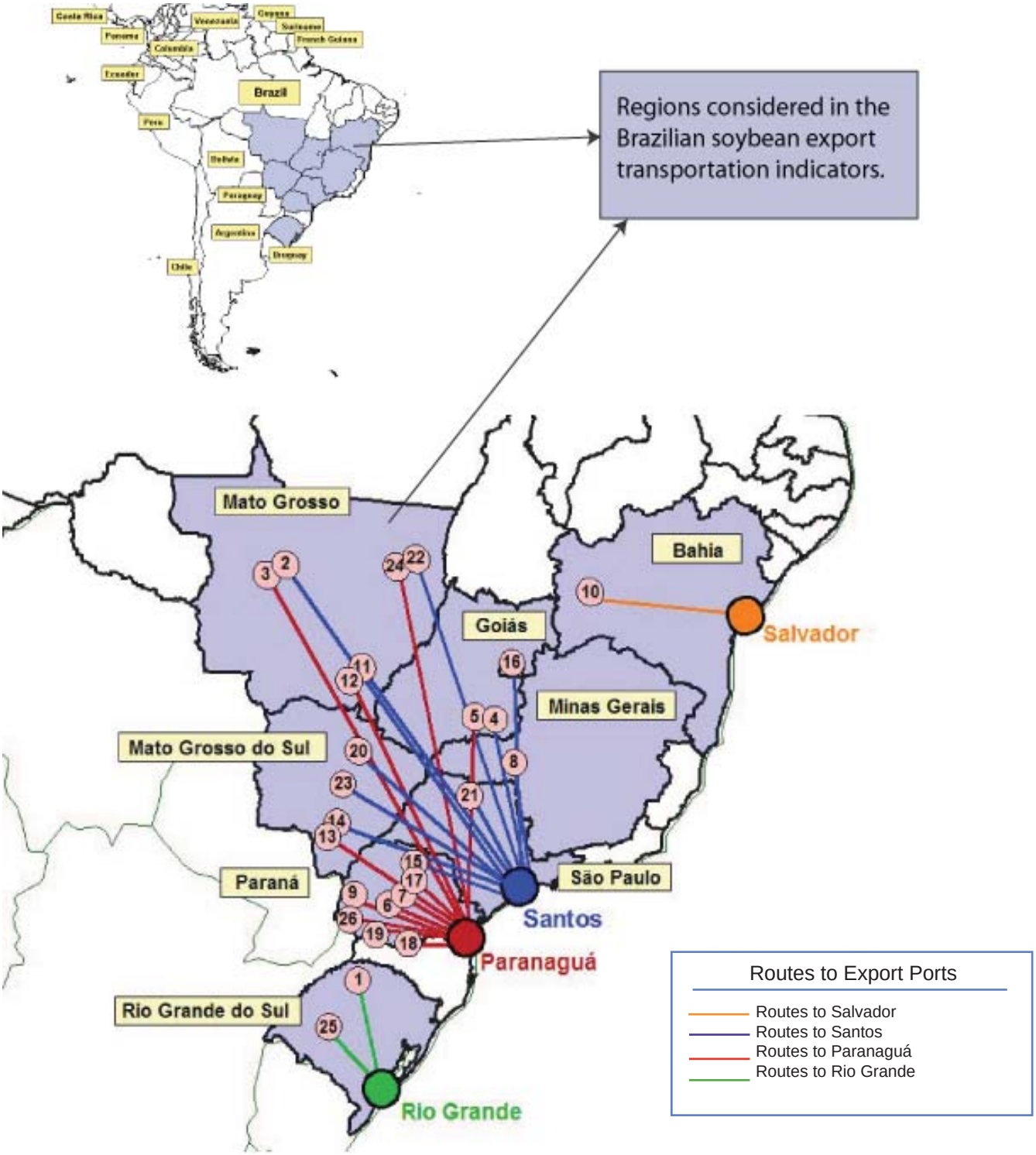
Table 1. Quarterly costs of transporting Brazilian soybeans to Shanghai, China						
	2010 2nd quarter	2011 2nd quarter	% Change	2010 2nd quarter	2011 2nd quarter	% Change
	North MT[1] - Santos[2] --US$/mt--			Northwest RS[1] - Rio Grande[2] --US$/mt--		
Truck	113.73	125.83	10.64	30.14	44.95	49.14
Ocean	55.08	50.05	-9.13	58.75	50.60	-13.87
Total transportation	168.81	175.88	4.19	88.89	95.55	7.49
Farm price[3]	269.58	386.58	43.40	304.36	425.42	39.77
Landed cost	438.39	562.46	28.30	393.25	520.97	32.48
Transport % of landed cost	38.5	31.3	-18.8	22.6	18.3	-18.9
	North Center PR[1] - Paranagua[2] --US$/mt--			South GO[1] - Santos[2] --US$/mt--		
Truck	35.11	41.39	17.92	64.80	71.02	9.59
Ocean	58.58	57.62	-1.64	55.08	50.05	-9.13
Total transportation	93.69	99.01	5.69	119.88	121.07	0.99
Farm price[3]	300.32	435.53	45.02	271.15	413.15	52.37
Landed cost	394.01	534.54	35.67	391.03	534.22	36.62
Transport % of landed cost	23.8	18.5	-22.1	30.7	22.7	-26.1

[1]Producing regions: RS = Rio Grande do Sul, MT= Mato Grosso, GO = Goiás, PR = Paraná
[2]Export ports
[3]Source: Companhia Nacional de Abastecimento (CONAB) www.conab.gov.br
Source: ESALQ/USP (University of São Paulo, Brazil) and USDA/AMS

Table 2. Quarterly costs of transporting Brazilian soybeans to Hamburg, Germany						
	2010 2nd quarter	2011 2nd quarter	% Change	2010 2nd quarter	2011 2nd quarter	% Change
	North MT[1] - Santos[2] --US$/mt--			Northwest RS[1] - Rio Grande[2] --US$/mt--		
Truck	113.73	125.83	10.64	30.14	44.95	49.14
Ocean	36.17	35.00	-3.23	39.00	36.00	-7.69
Total transportation	149.90	160.83	7.29	69.14	80.95	17.08
Farm price [3]	269.58	386.58	43.40	304.36	425.42	39.77
Landed cost	419.48	547.41	30.50	373.50	506.37	35.57
Transport % of landed cost	35.7	29.4	-17.8	18.5	16.0	-13.6
	North Center PR[1] - Paranagua[2] --US$/mt--			South GO[1] - Santos[2] --US$/mt--		
Truck	35.11	41.39	17.92	64.80	71.02	9.59
Ocean	38.08	36.00	-5.46	36.17	35.00	-3.23
Total transportation	73.19	77.39	5.75	100.97	106.02	5.00
Farm price [3]	300.32	435.53	45.02	271.15	413.15	52.37
Landed cost	373.51	512.92	37.33	372.12	519.17	39.52
Transport % of landed cost	19.6	15.1	-23.0	27.1	20.4	-24.7

[1]Producing regions: RS = Rio Grande do Sul, MT= Mato Grosso, GO = Goiás, PR = Paraná
[2]Export ports
[3]Source: Companhia Nacional de Abastecimento (CONAB) www.conab.gov.br
Source: ESALQ/USP (University of São Paulo, Brazil) and USDA/AMS

Figure 1. Routes[1] and regions considered in the Brazilian soybean export transportation indicator[2]



[1]Table defining routes by number is shown on page 8
[2]Regions comprised about 81 percent of Brazilian soybean production, 2009
Source: ESALQ/ USP (University of São Paulo, Brazil) and USDA/AMS

Table 3. Quarterly costs of transporting Brazilian soybeans to Shanghai, China										
	----------2011----------									
	1st qtr	2nd qtr	3rd qtr	4th qtr	Avg	1st qtr	2nd qtr	3rd qtr	4th qtr	Avg
	North MT[1] - Santos[2] --US$/mt--					North MT[1] - Paranagua[2] --US$/mt--				
Truck	124.57	125.83			125.20	118.04	118.85			118.44
Ocean	50.00	50.05			50.03	56.25	57.62			56.94
Total transportation	174.57	175.88			175.23	174.29	176.47			175.38
Farm price [3]	406.96	386.58			396.77	406.96	386.58			396.77
Landed cost	581.53	562.46			572.00	581.24	563.04			572.14
Transport % of landed cost	30.0	31.3			30.6	30.0	31.3			30.7
	Southeast MT[1] - Santos[2] --US$/mt--					North Center PR[1] - Paranagua[2] --US$/mt--				
Truck	107.73	97.14			102.44	36.82	41.39			39.11
Ocean	50.00	50.05			50.03	56.25	57.62			56.94
Total transportation	157.73	147.19			152.46	93.07	99.01			96.04
Farm price [3]	406.96	386.58			396.77	459.96	435.53			447.74
Landed cost	564.69	533.77			549.23	553.03	534.54			543.79
Transport % of landed cost	27.9	27.6			27.8	16.8	18.5			17.7
	South GO[1] - Santos[2] --US$/mt--					Northwest RS[1] - Rio Grande[2] --US$/mt--				
Truck	61.63	71.02			66.33	31.36	44.95			38.15
Ocean	50.00	50.05			50.03	50.50	50.60			50.55
Total transportation	111.63	121.07			116.35	81.86	95.55			88.70
Farm price [3]	441.07	413.15			427.11	431.68	425.42			428.55
Landed cost	552.70	534.22			543.46	513.54	520.97			517.25
Transport % of landed cost	20.2	22.7			21.4	15.9	18.3			17.1

[1]Producing regions: RS = Rio Grande do Sul, MT= Mato Grosso, GO = Goiás, PR = Paraná
[2]Export ports
[3]Source: Companhia Nacional de Abastecimento (CONAB) www.conab.gov.br
Source: ESALQ/ USP (University of São Paulo, Brazil) and USDA/AMS

Table 4. Quarterly costs of transporting Brazilian soybeans to Hamburg, Germany										
	----------2011----------									
	1st qtr	2nd qtr	3rd qtr	4th qtr	Avg	1st qtr	2nd qtr	3rd qtr	4th qtr	Avg
	North MT[1] - Santos[2] --US$/mt--					North MT[1] - Paranagua[2] --US$/mt--				
Truck	124.57	125.83			125.20	118.04	118.85			118.44
Ocean	34.96	35.00			34.98	33.86	36.00			34.93
Total transportation	159.53	160.83			160.18	151.90	154.85			153.37
Farm price [3]	406.96	386.58			396.77	406.96	386.58			396.77
Landed cost	566.49	547.41			556.95	558.85	541.42			550.14
Transport % of landed cost	28.2	29.4			28.8	27.2	28.6			27.9
	Southeast MT[1] - Santos[2] --US$/mt--					North Center PR[1] - Paranagua[2] --US$/mt--				
Truck	107.73	97.14			102.44	36.82	41.39			39.11
Ocean	34.96	35.00			34.98	33.86	36.00			34.93
Total transportation	142.69	132.14			137.42	70.68	77.39			74.04
Farm price [3]	406.96	386.58			396.77	459.96	435.53			447.74
Landed cost	549.65	518.72			534.19	530.64	512.92			521.78
Transport % of landed cost	26.0	25.5			25.7	13.3	15.1			14.2
	South GO[1] - Santos[2] --US$/mt--					Northwest RS[1] - Rio Grande[2] --US$/mt--				
Truck	61.63	71.02			66.33	31.36	44.95			38.15
Ocean	34.96	35.00			34.98	35.43	36.00			35.72
Total transportation	96.59	106.02			101.31	66.79	80.95			73.87
Farm price [3]	441.07	413.15			427.11	431.68	425.42			428.55
Landed cost	537.66	519.17			528.41	498.47	506.37			502.42
Transport % of landed cost	18.0	20.4			19.2	13.4	16.0			14.7

[1]Producing regions: RS = Rio Grande do Sul, MT= Mato Grosso, GO = Goiás, PR = Paraná
[2]Export ports
[3]Source: Companhia Nacional de Abastecimento (CONAB) www.conab.gov.br
Source: ESALQ/ USP (University of São Paulo, Brazil) and USDA/AMS

Table 5. Truck rates for selected Brazilian soybean export transportation routes, 2011

Route #	Origin[1] (reference city)	Destination	Distance (miles)[2]	Share (%)[3]	Freight Price (US$)				
					1st qtr	2nd qtr	3rd qtr	4th qtr	Avg
					--- (per 100 miles)[4]---				
1	Northwest RS5 (Cruz Alta)	Rio Grande	288	3.23	8.62	15.61			
2	North MT(Sorriso)	Santos	1190	11.14	9.50	10.57			
3	North MT(Sorriso)	Paranaguá	1262	10.50	8.27	9.42			
4	South GO(Rio Verde)	Santos	587	5.62	10.54	12.10			
5	South GO(Rio Verde)	Paranaguá	726	4.54	8.52	9.68			
6	North Center PR(Londrina)	Paranaguá	268	4.00	11.89	15.45			
7	Western Center PR(Mamborê)	Paranaguá	311	3.66	8.38	13.28			
8	Triangle MG(Uberaba)	Santos	339	3.31	14.68	18.37			
9	West PR(Assis Chateaubriand)	Paranaguá	377	5.09	8.97	13.42			
10	West Extreme BA(São Desidério)	Salvador	535	4.80	10.64	10.36			
11	Southeast MT(Primavera do Leste)	Santos	901	3.20	9.84	10.78			
12	Southeast MT(Primavera do Leste)	Paranaguá	975	2.96	8.96	9.26			
13	Southwest MS(Maracaju)	Paranaguá	612	3.58	10.82	10.81			
14	Southwest MS(Maracaju)	Santos	652	3.37	10.83	11.41			
15	West PR(Assis Chateaubriand)	Santos	550	0.00	11.91	14.14			
16	East GO(Cristalina)	Santos	585	1.53	10.71	12.70			
17	North PR(Cornélio Procópio)	Paranaguá	306	1.86	9.44	13.74			
18	Eastern Center PR(Castro)	Paranaguá	130	2.60	16.71	21.67			
19	South Center PR(Guarapuava)	Paranaguá	204	2.38	14.61	19.16			
20	North Center MS(São Gabriel do Oeste)	Santos	720	1.05	8.92	10.61			
21	Ribeirão Preto SP(Guairá)	Santos	314	0.80	12.74	13.81			
22	Northeast MT(Canarana)	Santos	950	1.79	11.31	12.07			
23	East MS(Chapadão do Sul)	Santos	607	0.98	9.97	11.31			
24	Northeast MT(Canarana)	Paranaguá	1075	1.58	9.95	10.54			
25	Western Center RS(Tupanciretã)	Rio Grande	273	2.60	8.44	17.40			
26	Southwest PR(Chopinzinho)	Paranaguá	291	2.22	12.20	16.14			
		Average	**578**	**100.0**	**9.98**	**12.52**			

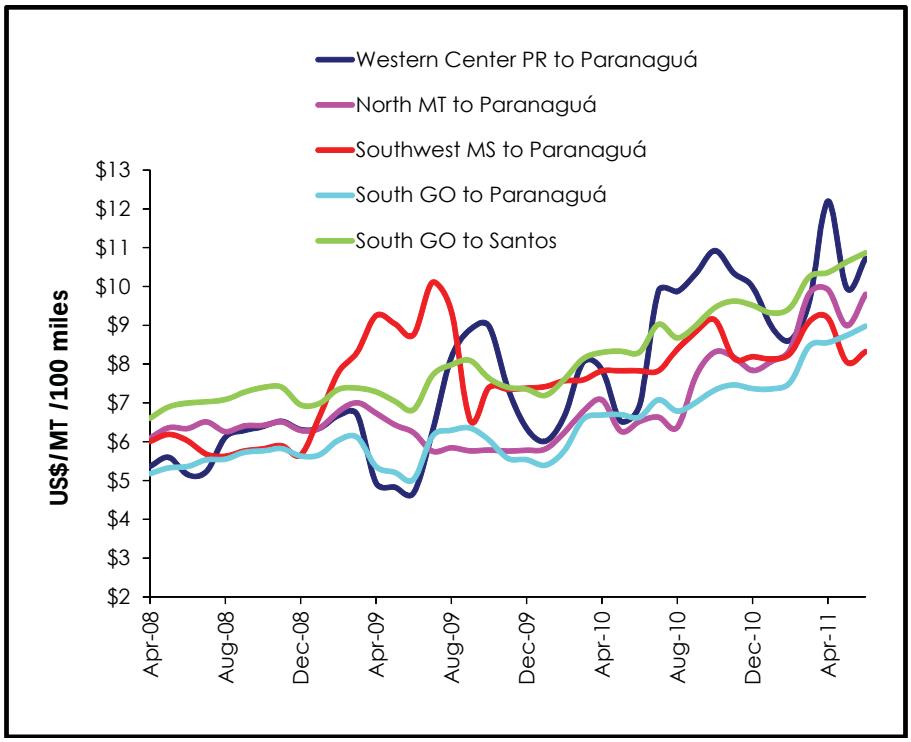
[1]Although each origin region comprises several cities, the main city is considered as a reference to establish the freight price; na = not available
[2]Distance from the main city of the considered region to the mentioned ports
[3]Share is measured as a percentage of total production
[4]US$ per metric ton (average monthly exchange rate from "Banco Central do Brasil" was used to convert Brazilian reais to the U.S. dollar)
[5]RS = Rio Grande do Sul, MT= Mato Grosso, GO = Goiás, PR = Paraná, MG = Minas Gerais, BA = Bahia, MS = Mato Grosso do Sul, SP = São Paulo
Source: ESALQ/USP (University of São Paulo, Brazil) and USDA/AMS

Table 6. Monthly Brazilian soybean export truck transportation cost index

Month	Freight price* (per 100 miles)	Index variation (%) (Base: prior month)	Index value (Base: Jan. 05 = 100)	Month	Freight price* (per 100 miles)	Index variation (%) (Base: prior month)	Index value (Base: Jan. 05 = 100)
Jan-05	5.80	40.8	100.00	Apr-08	10.81	2.1	186.35
Feb-05	5.85	0.9	100.90	May-08	10.69	-1.1	184.32
Mar-05	5.97	2.0	102.92	Jun-08	11.00	2.9	189.67
Apr-05	6.51	9.0	112.14	Jul-08	12.05	9.5	207.73
May-05	6.80	4.5	117.22	Aug-08	11.14	-7.6	192.00
Jun-05	6.74	-0.9	116.22	Sep-08	10.27	-7.8	177.00
Jul-05	6.77	0.5	116.76	Oct-08	7.44	-27.5	128.24
Aug-05	6.75	-0.3	116.41	Nov-08	7.20	-3.2	124.13
Sep-05	6.92	2.5	119.27	Dec-08	6.79	-5.7	117.11
Oct-05	6.98	0.9	120.28	Jan-09	6.91	1.7	119.11
Nov-05	7.09	1.6	122.15	Feb-09	7.28	5.4	125.52
Dec-05	6.78	-4.3	116.95	Mar-09	7.65	5.1	131.89
Jan-06	6.91	1.9	119.18	Apr-09	8.44	10.3	145.42
Feb-06	7.33	6.0	126.36	May-09	9.56	13.3	164.72
Mar-06	7.48	2.1	129.02	Jun-09	9.74	2.0	167.97
Apr-06	6.99	-6.6	120.57	Jul-09	9.28	21.3	159.94
May-06	6.88	-1.7	118.56	Aug-09	9.29	0.1	160.16
Jun-06	6.62	-3.8	114.05	Sep-09	9.14	-1.6	157.62
Jul-06	7.10	7.3	122.41	Oct-09	9.32	1.9	160.66
Aug-06	7.41	4.4	127.79	Nov-09	9.22	-1.1	158.93
Sep-06	7.37	-0.6	127.02	Dec-09	9.02	-2.2	155.48
Oct-06	7.48	1.5	128.88	Jan-10	9.17	1.7	158.10
Nov-06	7.19	-3.8	123.92	Feb-10	9.99	8.9	172.16
Dec-06	6.81	-5.3	117.32	Mar-10	10.77	7.8	185.67
Jan-07	6.88	1.1	118.60	Apr-10	10.91	1.3	188.10
Feb-07	7.55	9.7	130.15	May-10	10.80	-1.1	186.10
Mar-07	8.47	12.2	146.00	Jun-10	10.61	-1.7	182.95
Apr-07	8.40	-0.9	144.76	Jul-10	10.86	2.3	187.14
May-07	8.12	-3.3	140.05	Aug-10	11.21	3.3	193.23
Jun-07	8.24	1.4	141.99	Sep-10	11.46	2.2	197.57
Jul-07	9.00	9.3	155.20	Oct-10	11.51	0.4	198.41
Aug-07	8.63	-4.2	148.75	Nov-10	10.86	-5.6	187.20
Sep-07	9.23	6.9	159.05	Dec-10	10.72	-1.3	184.79
Oct-07	9.72	5.4	167.61	Jan-11	9.17	1.7	158.10
Nov-07	9.56	-1.6	164.86	Feb-11	9.99	8.9	172.16
Dec-07	9.32	-2.5	160.71	Mar-11	10.77	7.8	185.67
Jan-08	9.40	0.9	162.12	Apr-11	13.30	10.2	229.22
Feb-08	9.63	2.4	166.02	May-11	12.01	-9.7	207.04
Mar-08	10.59	9.9	182.46	Jun-11	12.25	2.0	211.20

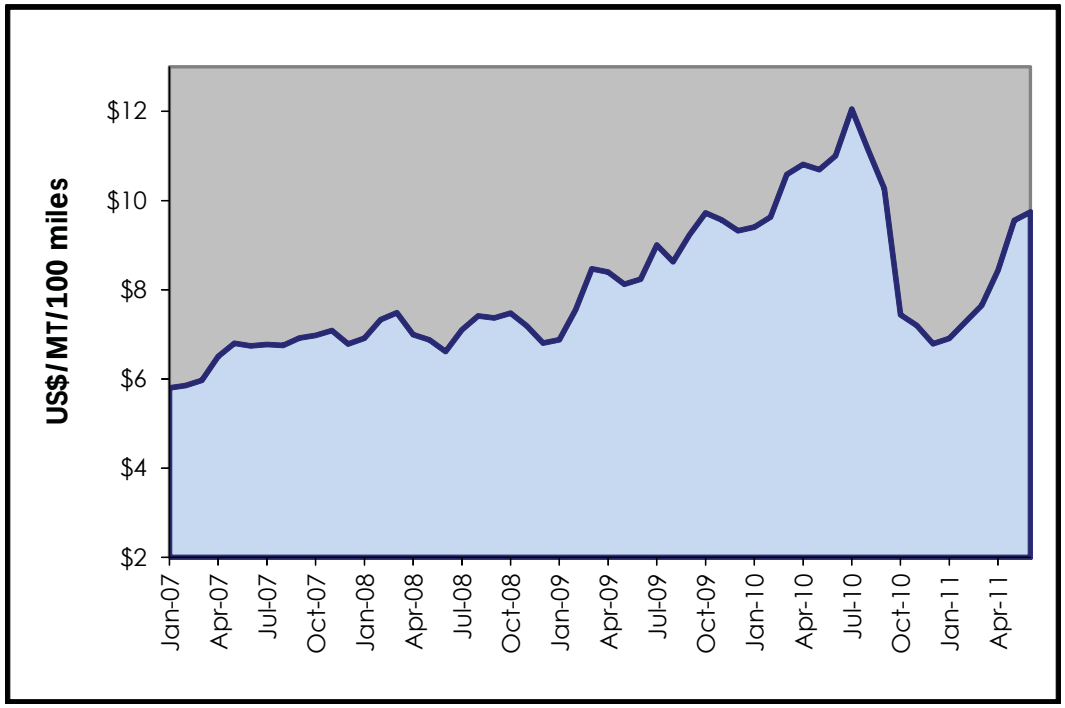
*Weighted average and quoted in US$ per metric ton
Source: ESALQ/USP (University of São Paulo, Brazil) and USDA/AMS

Figure 2. Truck rates for selected Brazilian soybean export transportation routes



Source: ESALQ/USP (University of São Paulo, Brazil) and USDA/AMS

Figure 3. Brazilian soybean export truck transportation weighted average prices, 2007/11



Source: ESALQ/USP (University of São Paulo, Brazil) and USDA/AMS

Table 7. Quarterly ocean freight rates for shipping soybeans from selected Brazilian ports to Germany and China (US$/metric ton)*

Port	Destination	1st qtr 2005	2nd qtr 2005	3rd qtr 2005	4th qtr 2005
Santos	Germany (Hamburg)	45.53	45.84	44.54	56.73
Paranagua	Germany (Hamburg)	44.64	44.84	43.54	55.73
Rio Grande	Germany (Hamburg)	44.20	44.39	43.04	55.23
Port	**Destination**	**1st qtr 2006**	**2nd qtr 2006**	**3rd qtr 2006**	**4th qtr 2006**
Santos	Germany (Hamburg)	39.51	36.91	50.24	60.40
Paranagua	Germany (Hamburg)	38.51	35.91	49.24	59.40
Rio Grande	Germany (Hamburg)	37.06	35.41	48.74	58.90
Santos	China (Shanghai)	50.13	44.80	60.98	73.32
Paranagua	China (Shanghai)	49.13	43.80	59.98	72.32
Rio Grande	China (Shanghai)	48.63	43.30	59.48	71.82
Port	**Destination**	**1st qtr 2007**	**2nd qtr 2007**	**3rd qtr 2007**	**4th qtr 2007**
Santos	Germany (Hamburg)	60.40	91.61	59.35	80.67
Paranagua	Germany (Hamburg)	59.40	90.61	53.12	81.08
Rio Grande	Germany (Hamburg)	58.90	90.11	57.85	80.06
Santos	China (Shanghai)	73.32	111.20	72.00	74.81
Paranagua	China (Shanghai)	72.32	110.20	65.50	75.22
Rio Grande	China (Shanghai)	71.82	109.70	70.50	74.20
Port	**Destination**	**1st qtr 2008**	**2nd qtr 2008**	**3rd qtr 2008**	**4th qtr 2008**
Santos	Germany (Hamburg)	57.38	71.08	48.80	32.18
Paranagua	Germany (Hamburg)	58.90	72.68	50.20	33.48
Rio Grande	Germany (Hamburg)	59.36	73.18	50.70	33.98
Santos	China (Shanghai)	64.81	80.27	72.43	64.00
Paranagua	China (Shanghai)	66.53	80.79	74.03	65.30
Rio Grande	China (Shanghai)	67.01	81.27	74.23	65.80
Port	**Destination**	**1st qtr 2009**	**2nd qtr 2009**	**3rd qtr 2009**	**4th qtr 2009**
Santos	Germany (Hamburg)	34.10	34.75	30.00	31.08
Paranagua	Germany (Hamburg)	35.50	35.79	31.55	30.53
Rio Grande	Germany (Hamburg)	35.80	36.20	32.00	31.17
Santos	China (Shanghai)	64.50	66.00	49.00	55.63
Paranagua	China (Shanghai)	65.70	67.30	48.78	54.23
Rio Grande	China (Shanghai)	66.87	67.80	49.50	53.50

*Correspond to the average actual values negotiated between shippers and carriers and weighted according to the magnitude of the shipped volume
Source: Sistema de Informações de Fretes, SIFRECA, ESALQ/USP (University of São Paulo, Brazil)

(Continued on following page)

Table 7. Quarterly ocean freight rates for shipping soybeans from selected Brazilian ports to Germany and China (continued) (US$/metric ton)*

Port	Destination	1st qtr 2010	2nd qtr 2010	3rd qtr 2010	4th qtr 2010
Santos	Germany (Hamburg)	32.25	36.17	34.42	31.67
Paranagua	Germany (Hamburg)	31.83	38.08	36.92	33.50
Rio Grande	Germany (Hamburg)	33.50	39.00	37.08	34.54
Santos	China (Shanghai)	52.33	55.08	58.17	57.79
Paranagua	China (Shanghai)	52.50	58.58	63.10	61.50
Rio Grande	China (Shanghai)	53.00	58.75	63.27	57.83
Port	**Destination**	**1st qtr 2011**	**2nd qtr 2011**	**3rd qtr 2011**	**4th qtr 2011**
Santos	Germany (Hamburg)	34.96	35.00		
Paranagua	Germany (Hamburg)	33.86	36.00		
Rio Grande	Germany (Hamburg)	35.43	36.00		
Santos	China (Shanghai)	50.00	50.05		
Paranagua	China (Shanghai)	56.25	57.62		
Rio Grande	China (Shanghai)	50.50	50.60		

*Correspond to the average actual values negotiated between shippers and carriers and weighted according to the magnitude of the shipped volume

Source: Sistema de Informações de Fretes, SIFRECA, ESALQ/USP (University of São Paulo, Brazil)

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Data Sets:

- Figure 2: Truck rates for selected Brazilian soybean export transportation routes (XLS)
- Figure 3: Brazilian soybean export truck transportation weighted average prices, 2007/11 (XLS)
- Table 1: Quarterly costs of transporting soybeans from Brazil to Shanghai, China (XLS)
- Table 2: Quarterly costs of transporting soybeans from Brazil to Hamburg, Germany (XLS)
- Table 3: Quarterly costs of transporting Brazilian soybeans to Shanghai, China (XLS)
- Table 4: Quarterly costs of transporting Brazilian soybeans to Hamburg, Germany (XLS)
- Table 5: Truck rates for selected Brazilian soybean export transportation routes, 2011 (XLS)
- Table 6: Monthly Brazilian soybean export truck transportation cost index (XLS)
- Table 7: Quarterly ocean freight rates for shipping soybeans from selected Brazilian ports to Germany and China (XLS)

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Related Websites:

- Soybean Transportation Guide: Brazil 2010 (PDF)
- Prior Articles: Brazil Soybean Transportation, May 20, 2011 (PDF)
- Related Articles: Grain Transportation Report, June 9, 2011 (PDF)
- U.S. Corn, Soybean, and Wheat Quarterly Transportation Cost Indicator Reports

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