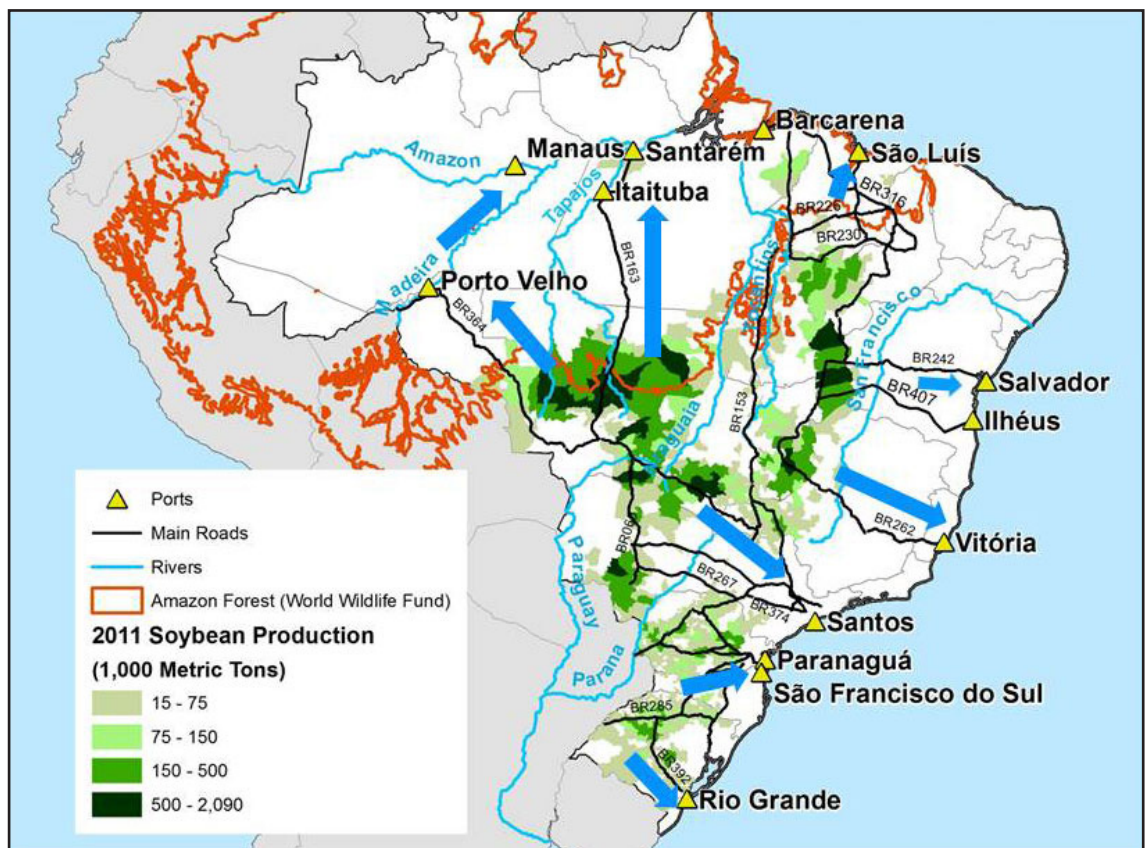


# Brazil Soybean Transportation

a quarterly publication of the Agricultural Marketing Service  
[www.ams.usda.gov/AgTransportation](http://www.ams.usda.gov/AgTransportation)

**New North and Northeastern Brazilian Soybean Export Routes.** The Agricultural Marketing Service (AMS) and the ESALQ-LOG Group ([esalqlog@esalqlog.esalq.usp.br](mailto:esalqlog@esalqlog.esalq.usp.br)) expanded the scope of the AMS quarterly Brazilian Soybean Transportation indicator reports by adding seven new truck routes to four north and northeastern ports to Shanghai, China and Hamburg, Germany (tables 5, 6, 7, and 9). Production areas of the State of Tocantins (TO), Pará (PA), Maranhão (MA), and Piauí (PI) and the Ports of Itaituba, Porto Velho, Santarém, Barcarena, and São Luís were added to the report (figure 5, tables 7 and 9). The indicator reports comprise 22 regions in 11 States, representing 83 percent of the total 2013 Brazilian soybean production (figure 1 and 3). The revamped Brazilian Soybean Transportation indicator report now includes 33 export routes through the Ports of Santos, Paranaguá, Rio Grande, Santarém, São Luís, and Barcarena to Shanghai, China, and Hamburg, Germany. Truck freight rates correspond to actual values negotiated between shippers and carriers, including tolls, but exclude insurance and taxes. The ocean freight rates from the "Sistema de Informações de Fretes, SIFRECA, ESALQ – USP" correspond to actual values negotiated between shippers and carriers, but do not include insurance and handling costs. These rates are averaged according to the weight of the shipped volume.

**Figure 1. Brazil main soybean export routes**



Source: USDA/Agricultural Marketing Service & Foreign Agricultural Service

May 27, 2015

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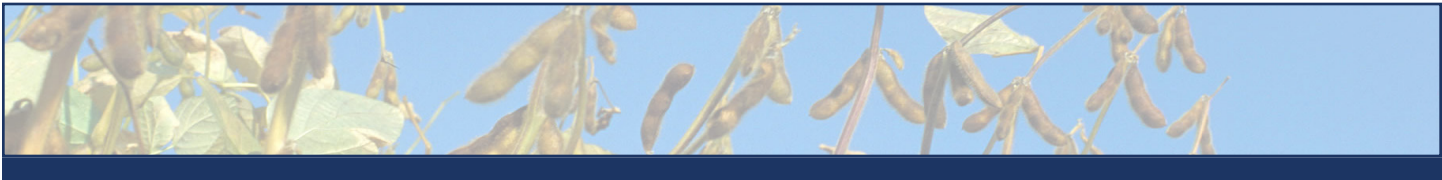
Brazil Soybean Transportation Indicators

Brazil Soybean Transportation Guide: 2013 (PDF)

Contact Information

Data Sets

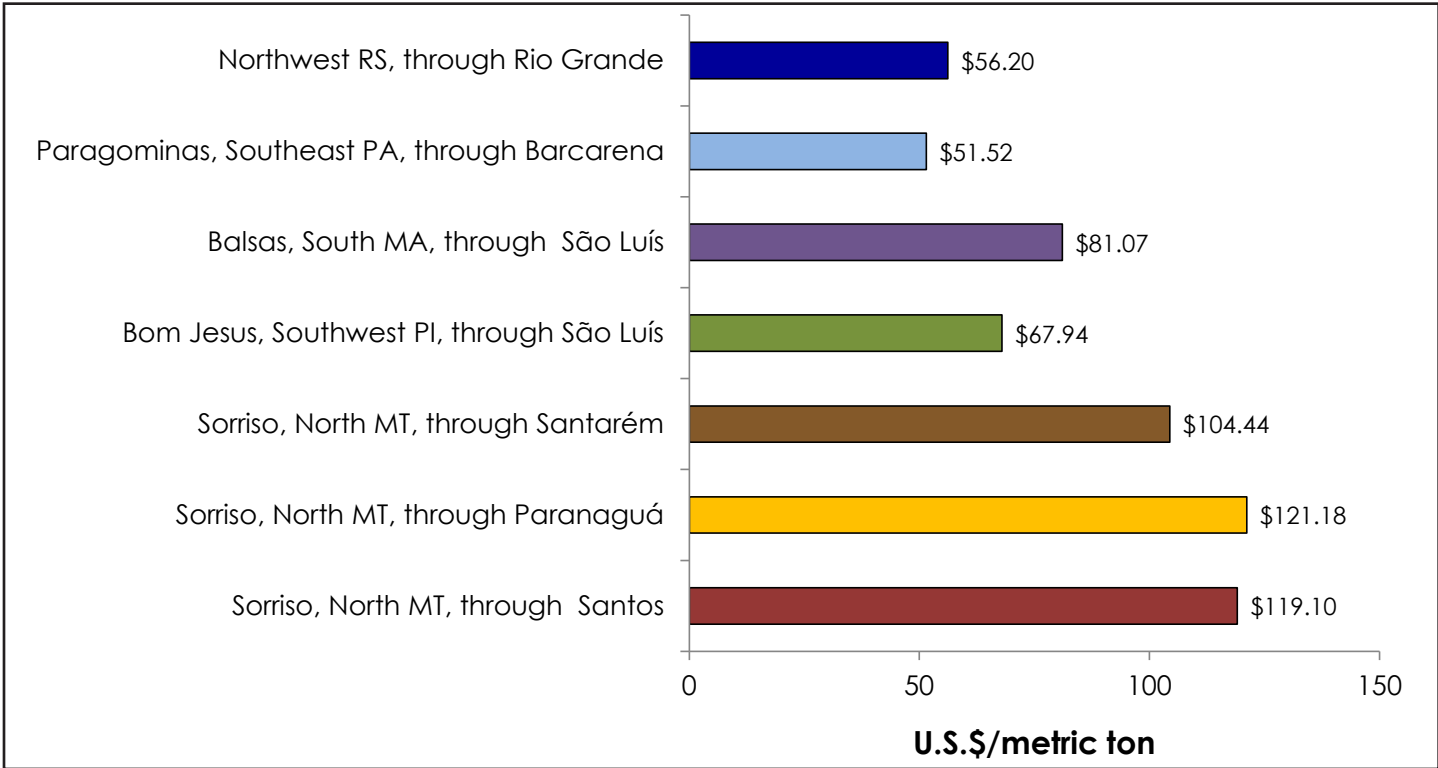
Subscription Information



During the first quarter of 2015, lower export volumes and prices decreased soybean transportation export demand. Brazilian soybean exports declined nearly 28 percent to 6.5 million metric tons (mmt) compared with 9 mmt exported in first quarter 2014 ([Secretariat of Foreign Trade \(SECEX\), MDIC](#)). Average soybean export prices decreased to \$402 per metric ton (mt) from \$528 the same time last year. The cost of shipping a metric ton of soybeans 100 miles by truck dropped on average by nearly 21 percent to \$8.12 per mt in 2015's first quarter from \$10.27 at the same time last year (table 8). Ocean rates decreased 29 percent to Hamburg and dropped 33 to 34 percent to Shanghai. The weakening of the Brazilian real against the U.S. dollar partially offset the significant drop, 16 to 30 percent, in first quarter 2015 soybean farm prices when measured in U.S. dollars ([CONAB](#)). Soybeans are priced in U.S. dollars but paid in Reais. Farm prices measured in Reais dropped 5, 11, and 16 percent in Goiás (GO), Paraná (PA), and Rio Grande do Sul (RS), respectively. Mato Grosso (MT) farm prices were about the same as last year averaging R\$890.83 per metric ton. The Brazilian real (R\$) depreciated nearly 26 percent against the dollar, to R\$2.86 per US\$1.00 from R\$2.27 in 2014's first quarter, and nearly 23 percent compared with the 2014 average of R\$2.33 per US\$1.00. China is Brazil's major soybean buyer, accounting for 72 percent of total export, followed by Spain, Thailand, and South Korea. China bought 5 million mt of Brazilian soybeans in first quarter 2015, valued at US\$1.9 billion ([SECEX, MDIC](#)). The southern ports of Santos, Paranaguá, Rio Grande, and São Francisco do Sul accounted for nearly 70 percent of total soybean exports and 80 percent of exports to China. The Northeastern ports of São Luís, Barcarena, and Salvador exported 19 percent of Brazilian soybeans and 20 percent to China. The Northern ports of Santarém and Manaus represented nearly 8 percent of total Brazil exports. These ports did not export soybeans to China.

In Sorriso, North MT (the largest Brazilian soybean-producing state) transportation costs represented nearly 28 percent of the total landed costs of shipping soybeans to Shanghai through Santos and 25 percent through the port of Santarém (tables 1 and 5). In the first quarter of 2015, it cost \$14.66 more per metric ton to ship soybeans from Sorriso, North MT, to Shanghai, China, through the Port of Santos, than from Port of Santarém (figure 2). Sorriso is located 1,190 miles from the Port of Santos, and 876 miles from the Port of Santarém (table 6). For more information contact Delmy L. Salin at [delmy.salin@ams.usda.gov](mailto:delmy.salin@ams.usda.gov).

**Figure 2. Transportation costs of Selected Brazil routes of Shanghai, China, 1st quarter 2015**





**Table 1. Quarterly costs of transporting from southern Brazilian soybean ports to Shanghai, China**

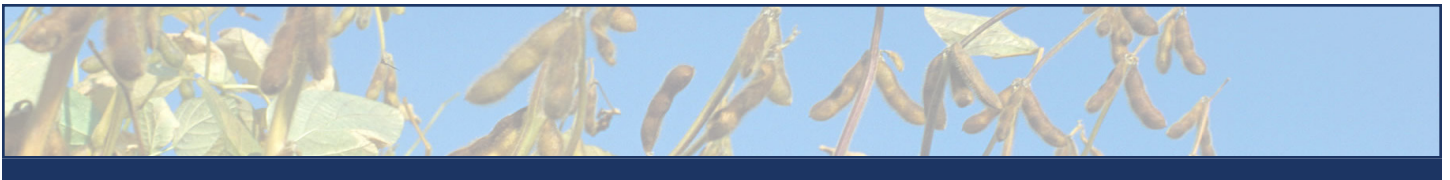
	2014 1st qtr	2015 1st qtr	% Change	2014 1st qtr	2015 1st qtr	% Change
	<b>North MT<sup>1</sup> - Santos<sup>2</sup> --US\$/mt--</b>			<b>Northwest RS<sup>1</sup> - Rio Grande<sup>2</sup> --US\$/mt--</b>		
Truck	113.35	89.60	-21.0	21.57	26.70	23.8
Ocean	44.83	29.50	-34.2	44.83	29.50	-34.2
Total transportation	158.18	119.10	-24.7	66.40	56.20	-15.4
Farm price <sup>3</sup>	375.58	312.34	-16.8	482.75	336.85	-30.2
Landed cost	533.76	431.44	-19.2	549.15	393.05	-28.4
Transport % of landed cost	29.6	27.6	-6.8	12.1	14.3	18.3
	<b>North Central PR<sup>1</sup> - Paranaguá<sup>2</sup> --US\$/mt--</b>			<b>South GO<sup>1</sup> - Santos<sup>2</sup> --US\$/mt--</b>		
Truck	31.6	25.3	-19.8	71.06	43.71	-38.5
Ocean	47.2	31.5	-33.3	44.83	29.50	-34.2
Total transportation	78.8	56.8	-27.9	115.89	73.21	-36.8
Farm price <sup>3</sup>	463.8	340.7	-26.5	420.52	329.95	-21.5
Landed cost	542.6	397.5	-26.7	536.40	403.16	-24.8
Transport % of landed cost	14.5	14.3	-1.6	21.6	18.2	-16.0

<sup>1</sup>Producing regions: RS = Rio Grande do Sul, MT= Mato Grosso, GO = Goiás, PR = Paraná

<sup>2</sup>Export ports

<sup>3</sup>Source: Companhia Nacional de Abastecimento (CONAB) [www.conab.gov.br](http://www.conab.gov.br)

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



**Table 2. Quarterly costs of transporting from southern Brazilian soybean ports to Hamburg, Germany**

	2014 1st qtr	2015 1st qtr	% Change	2014 1st qtr	2015 1st qtr	% Change
	<b>North MT<sup>1</sup> - Santos<sup>2</sup> --US\$/mt--</b>			<b>Northwest RS<sup>1</sup> - Rio Grande<sup>2</sup> --US\$/mt--</b>		
Truck	113.35	89.60	-21.0	21.57	26.70	23.8
Ocean	31.00	22.00	-29.0	31.00	22.00	-29.0
Total transportation	144.35	111.60	-22.7	52.57	48.70	-7.4
Farm price <sup>3</sup>	375.58	312.34	-16.8	482.75	336.85	-30.2
Landed cost	519.93	423.94	-18.5	535.32	385.55	-28.0
Transport % of landed cost	27.8	26.3	-5.2	9.8	12.6	28.6
	<b>North Central PR<sup>1</sup> - Paranaguá<sup>2</sup> --US\$/mt--</b>			<b>South GO<sup>1</sup> - Santos<sup>2</sup> --US\$/mt--</b>		
Truck	31.59	25.33	-19.8	71.06	43.71	-38.5
Ocean	31.00	22.00	-29.0	31.00	22.00	-29.0
Total transportation	62.59	47.33	-24.4	102.06	65.71	-35.6
Farm price <sup>3</sup>	463.81	340.69	-26.5	420.52	329.95	-21.5
Landed cost	526.41	388.03	-26.3	522.57	395.66	-24.3
Transport % of landed cost	11.9	12.2	2.6	19.5	16.6	-15.0

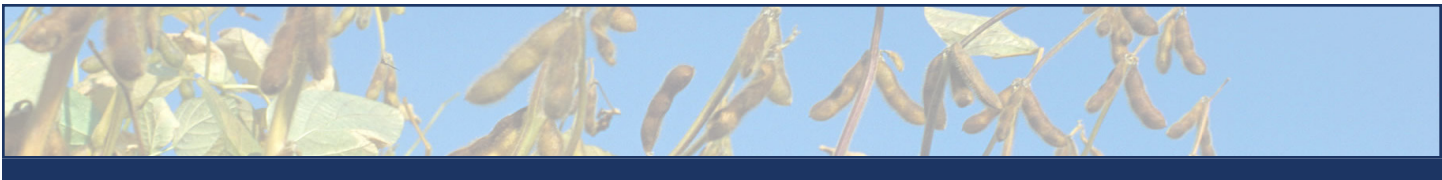
<sup>1</sup>Producing regions: RS = Rio Grande do Sul, MT= Mato Grosso, GO = Goiás, PR = Paraná

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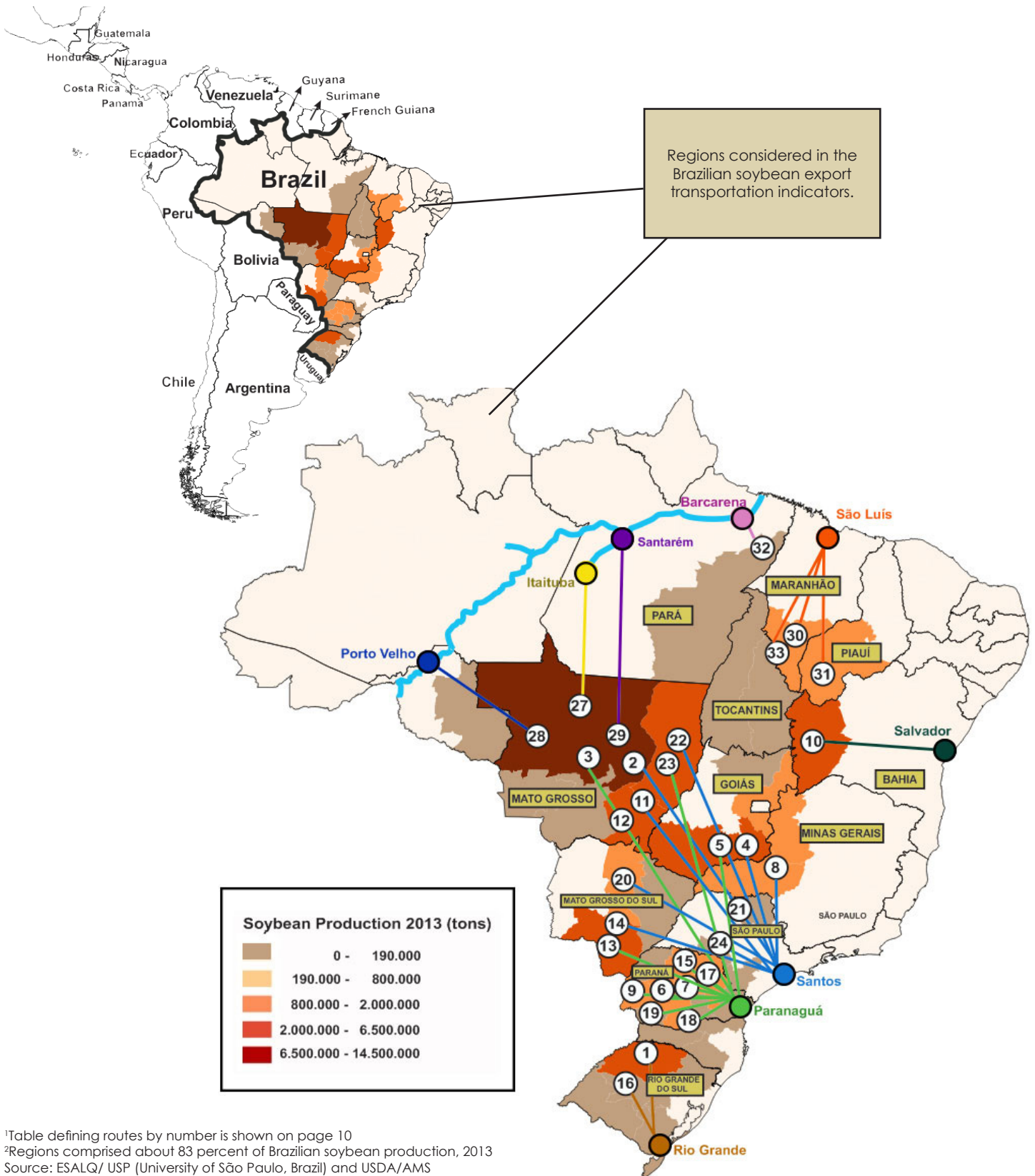
<sup>3</sup>Source: Companhia Nacional de Abastecimento (CONAB) [www.conab.gov.br](http://www.conab.gov.br)

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





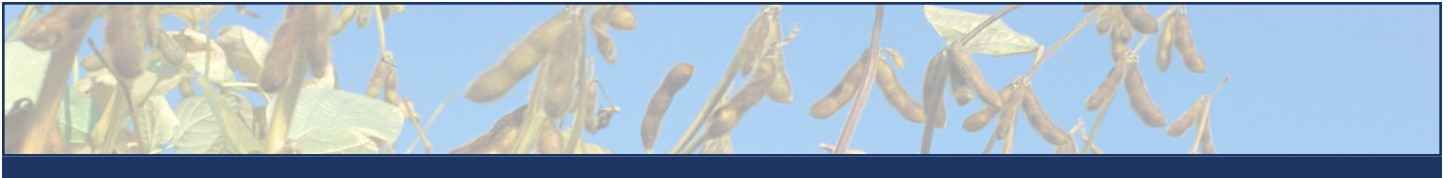
**Figure 3. Routes<sup>1</sup> and regions considered in the Brazilian soybean export transportation indicator<sup>2</sup>**



<sup>1</sup>Table defining routes by number is shown on page 10

<sup>2</sup>Regions comprised about 83 percent of Brazilian soybean production, 2013

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



**Table 3. Quarterly costs of transporting Brazilian soybeans from the southern ports to Shanghai, China**

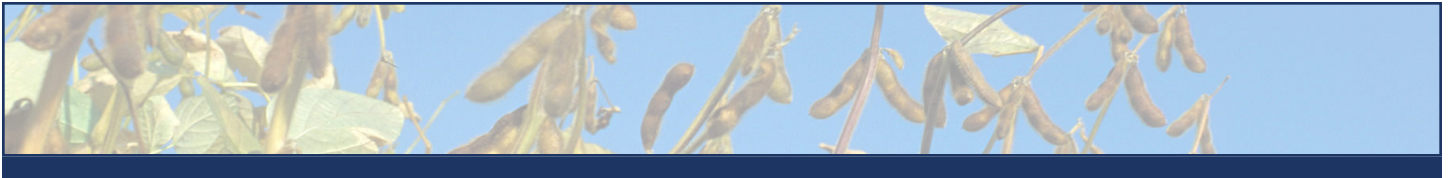
-----2015-----										
	1st qtr	2nd qtr	3rd qtr	4th qtr	Avg	1st qtr	2nd qtr	3rd qtr	4th qtr	Avg
	<b>North MT<sup>1</sup> - Santos<sup>2</sup></b> --US\$/mt--					<b>North MT<sup>1</sup> - Paranaguá<sup>2</sup></b> --US\$/mt--				
Truck	89.60				89.60	89.68				89.68
Ocean	29.50				29.50	31.50				31.50
Total transportation	119.10				119.10	121.18				121.18
Farm price <sup>3</sup>	312.34				312.34	312.34				312.34
Landed cost	431.44				431.44	433.52				433.52
Transport % of landed cost	27.6				27.6	28.0				28.0
	<b>Southeast MT<sup>1</sup> - Santos<sup>2</sup></b> --US\$/mt--					<b>North Central PR<sup>1</sup> - Paranaguá<sup>2</sup></b> --US\$/mt--				
Truck	62.60				62.60	25.33				25.33
Ocean	29.50				29.50	31.50				31.50
Total transportation	92.10				92.10	56.83				56.83
Farm price <sup>3</sup>	312.34				312.34	340.69				340.69
Landed cost	404.43				404.43	397.53				397.53
Transport % of landed cost	22.8				22.8	14.3				14.3
	<b>South GO<sup>1</sup> - Santos<sup>2</sup></b> --US\$/mt--					<b>Northwest RS<sup>1</sup> - Rio Grande<sup>2</sup></b> --US\$/mt--				
Truck	43.71				43.71	26.70				26.70
Ocean	29.50				29.50	29.50				29.50
Total transportation	73.21				73.21	56.20				56.20
Farm price <sup>3</sup>	329.95				329.95	336.85				336.85
Landed cost	403.16				403.16	393.05				393.05
Transport % of landed cost	18.2				18.2	14.3				14.3

<sup>1</sup>Producing regions: RS = Rio Grande do Sul, MT= Mato Grosso, GO = Goiás, PR = Paraná

<sup>2</sup>Export ports

<sup>3</sup>Source: Companhia Nacional de Abastecimento (CONAB) [www.conab.gov.br](http://www.conab.gov.br); na: not available

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



**Table 4. Quarterly costs of transporting Brazilian soybeans from the southern ports to Hamburg, Germany**

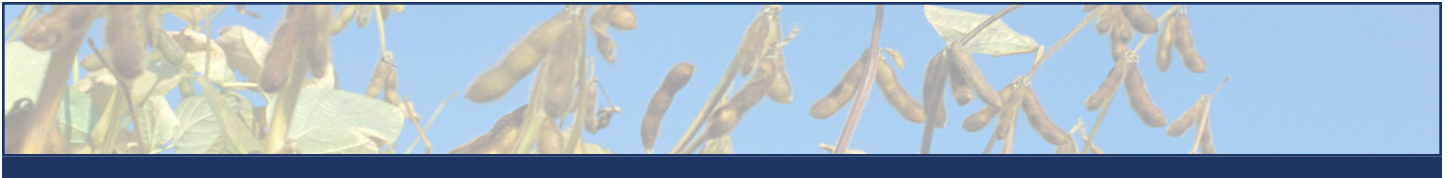
	-----2015-----									
	1st qtr	2nd qtr	3rd qtr	4th qtr	Avg	1st qtr	2nd qtr	3rd qtr	4th qtr	Avg
	<b>North MT<sup>1</sup> - Santos<sup>2</sup></b> --US\$/mt--					<b>North MT<sup>1</sup> - Paranaguá<sup>2</sup></b> --US\$/mt--				
Truck	89.60				89.60	89.68				89.68
Ocean	22.00				22.00	22.00				22.00
Total transportation	111.60				111.60	111.68				111.68
Farm price <sup>3</sup>	312.34				312.34	312.34				312.34
Landed cost	423.94				423.94	424.02				424.02
Transport % of landed cost	26.3				26.3	26.3				26.3
	<b>Southeast MT<sup>1</sup> - Santos<sup>2</sup></b> --US\$/mt--					<b>North Central PR<sup>1</sup> - Paranaguá<sup>2</sup></b> --US\$/mt--				
Truck	62.60				62.60	25.33				25.33
Ocean	22.00				22.00	22.00				22.00
Total transportation	84.60				84.60	47.33				47.33
Farm price <sup>3</sup>	312.34				312.34	340.69				340.69
Landed cost	396.93				396.93	388.03				388.03
Transport % of landed cost	21.3				21.3	12.2				12.2
	<b>South GO<sup>1</sup> - Santos<sup>2</sup></b> --US\$/mt--					<b>Northwest RS<sup>1</sup> - Rio Grande<sup>2</sup></b> --US\$/mt--				
Truck	43.71				43.71	26.70				26.70
Ocean	22.00				22.00	22.00				22.00
Total transportation	65.71				65.71	48.70				48.70
Farm price <sup>3</sup>	329.95				329.95	336.85				336.85
Landed cost	395.66				395.66	385.55				385.55
Transport % of landed cost	16.6				16.6	12.6				12.6

<sup>1</sup>Producing regions: RS = Rio Grande do Sul, MT= Mato Grosso, GO = Goiás, PR = Paraná

<sup>2</sup>Export ports

<sup>3</sup>Source: Companhia Nacional de Abastecimento (CONAB) [www.conab.gov.br](http://www.conab.gov.br); na: not available

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



**Table 5. Quarterly costs of transporting Brazilian soybeans from the north and northeastern ports to Shanghai, China**

	-----2015-----									
	1st qtr	2nd qtr	3rd qtr	4th qtr	Avg	1st qtr	2nd qtr	3rd qtr	4th qtr	Avg
	<b>North MT<sup>1</sup> - Santarém<sup>2</sup></b> --US\$/mt--					<b>South MA<sup>1</sup> - São Luís<sup>2</sup></b> --US\$/mt--				
Truck	72.44				72.44	35.94				35.94
Ocean	32.00				32.00	32.00				32.00
Total transportation	104.44				104.44	67.94				67.94
Farm price <sup>3</sup>	312.34				312.34	326.75				326.75
Landed cost	416.78				416.78	394.69				394.69
Transport % of landed cost	25.1				25.1	17.2				17.2
	<b>Southwest PI<sup>1</sup> - São Luís<sup>2</sup></b> --US\$/mt--									
Truck	49.07				49.07					
Ocean	32.00				32.00					
Total transportation	81.07				81.07					
Farm price <sup>3</sup>	330.99				330.99					
Landed cost	412.06				412.06					
Transport % of landed cost	19.7				19.7					

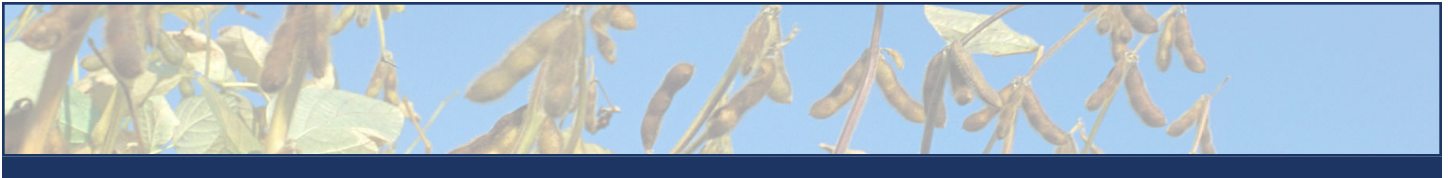
<sup>1</sup>Producing regions: MT= Mato Grosso, PI = Piauí, MA = Maranhão

<sup>2</sup>Export ports

<sup>3</sup>Source: Companhia Nacional de Abastecimento (CONAB) [www.conab.gov.br](http://www.conab.gov.br); na: not available

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





**Table 6. Quarterly costs of transporting Brazilian soybeans from the north and northeastern ports to Hamburg, Germany**

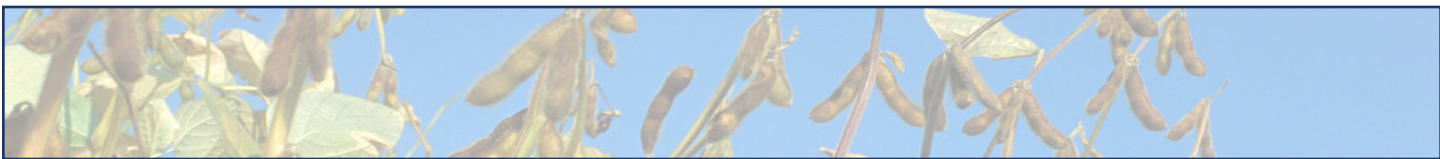
	-----2015-----									
	1st qtr	2nd qtr	3rd qtr	4th qtr	Avg	1st qtr	2nd qtr	3rd qtr	4th qtr	Avg
	<b>North MT<sup>1</sup> - Santarém<sup>2</sup></b> --US\$/mt--					<b>South MA<sup>1</sup> - São Luís<sup>2</sup></b> --US\$/mt--				
Truck	72.44				72.44	35.94				35.94
Ocean	20.00				20.00	20.00				20.00
Total transportation	92.44				92.44	55.94				55.94
Farm price <sup>3</sup>	312.34				312.34	326.75				326.75
Landed cost	404.78				404.78	382.69				382.69
Transport % of landed cost	22.8				22.8	14.6				14.6
	<b>Southwest PI<sup>1</sup> - São Luís<sup>2</sup></b> --US\$/mt--									
Truck	49.07				49.07					
Ocean	20.00				20.00					
Total transportation	69.07				69.07					
Farm price <sup>3</sup>	330.99				330.99					
Landed cost	400.06				400.06					
Transport % of landed cost	17.3				17.3					

<sup>1</sup>Producing regions: MT= Mato Grosso, PI = Piauí, MA = Maranhão

<sup>2</sup>Export ports

<sup>3</sup>Source: Companhia Nacional de Abastecimento (CONAB) [www.conab.gov.br](http://www.conab.gov.br); na: not available

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



**Table 7. Truck rates for selected Brazilian soybean export transportation routes, 2015**

Route #	Origin <sup>1</sup> (reference city)	Destination	Distance (miles) <sup>2</sup>	Share (%) <sup>3</sup>	Freight Price (US\$)				
					1st qtr	2nd qtr	3rd qtr	4th qtr	Avg
					--- (per 100 miles) <sup>4</sup> ---				
1	Northwest RS5 (Cruz Alta)	Rio Grande	288	11.5	9.27				9.27
2	North MT (Sorriso)	Santos	1,190	3.2	7.53				7.53
3	North MT (Sorriso)	Paranaguá	1,262	3.1	7.11				7.11
4	South GO (Rio Verde)	Santos	587	5.6	7.45				7.45
5	South GO (Rio Verde)	Paranaguá	726	4.5	7.08				7.08
6	North Central PR (Londrina)	Paranaguá	268	3.9	9.45				9.45
7	Western Central PR (Mamborê)	Paranaguá	311	3.0	9.15				9.15
8	Triangle MG (Uberaba)	Santos	339	2.8	10.72				10.72
9	West PR (Assis Chateaubriand)	Paranaguá	377	3.0	8.68				8.68
10	West Extreme BA (São Desidério)	Salvador	535	4.1	7.89				7.89
11	Southeast MT (Primavera do Leste)	Santos	901	3.0	6.95				6.95
12	Southeast MT (Primavera do Leste)	Paranaguá	975	2.8	6.63				6.63
13	Southwest MS (Maracaju)	Paranaguá	612	2.8	7.48				7.48
14	Southwest MS (Maracaju)	Santos	652	2.7	7.72				7.72
15	West PR (Assis Chateaubriand)	Santos	550	2.1	7.41				7.41
16	East GO (Cristalina)	Santos	585	1.9	8.03				8.03
17	North PR (Cornélio Procópio)	Paranaguá	306	2.2	7.62				7.62
18	Eastern Central PR (Castro)	Paranaguá	130	2.7	12.47				12.47
19	South Central PR (Guarapuava)	Paranaguá	204	2.3	11.18				11.18
20	North Central MS	Santos	720	1.9	6.78				6.78
21	Ribeirão Preto SP (Guairá)	Santos	314	0.0	7.95				7.95
22	Northeast MT (Canarana)	Santos	950	2.8	7.04				7.04
23	East MS (Chapadão do Sul)	Santos	607	0.0	7.18				7.18
24	Northeast MT (Canarana)	Paranaguá	1,075	2.4	6.91				6.91
25	Western Central RS (Tupanciretã)	Rio Grande	273	2.6	8.82				8.82
26	Southwest PR(Chopinzinho)	Paranaguá	291	1.8	10.31				10.31
27	North MT (Sorriso)	Itaituba	672	5.7	6.52				6.52
28	North MT (Sorriso)	Porto Velho	632	6.1	6.60				6.60
29	North MT (Sorriso)	Santarém	876	4.4	8.27				8.27
30	South MA (Balsas)	São Luís	482	2.0	7.46				7.46
31	Southwest PI (Bom Jesus)	São Luís	606	1.3	8.10				8.10
32	Southeast PA (Paragominas)	Barcarena	249	0.6	7.85				7.85
33	East TO (Campos Lindos)	São Luís	842	1.4	8.58				8.58
		<b>Average</b>	<b>587</b>	<b>100.0</b>	<b>8.12</b>				<b>8.12</b>

<sup>1</sup>Although each origin region comprises several cities, the main city is considered as a reference to establish the freight price; na = not available

<sup>2</sup>Distance from the main city of the considered region to the mentioned ports

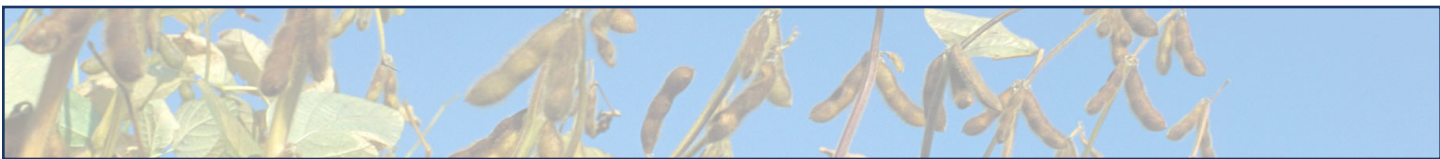
<sup>3</sup>Share is measured as a percentage of total production

<sup>4</sup>US\$ per metric ton (average monthly exchange rate from "Banco Central do Brasil" was used to convert Brazilian reais to the U.S. dollar)

<sup>5</sup>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

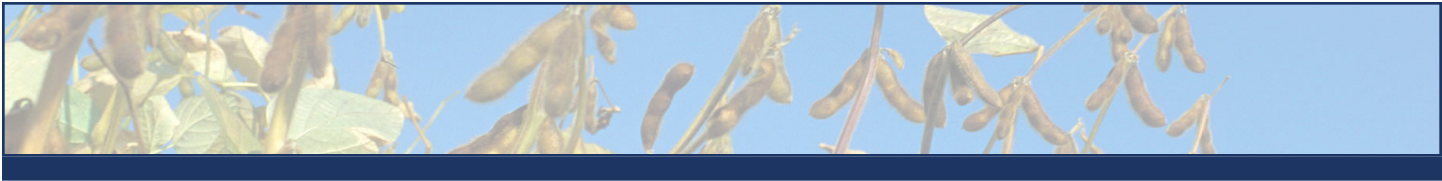
Source: ESALQ/USP (University of São Paulo, Brazil) and USDA/AMS



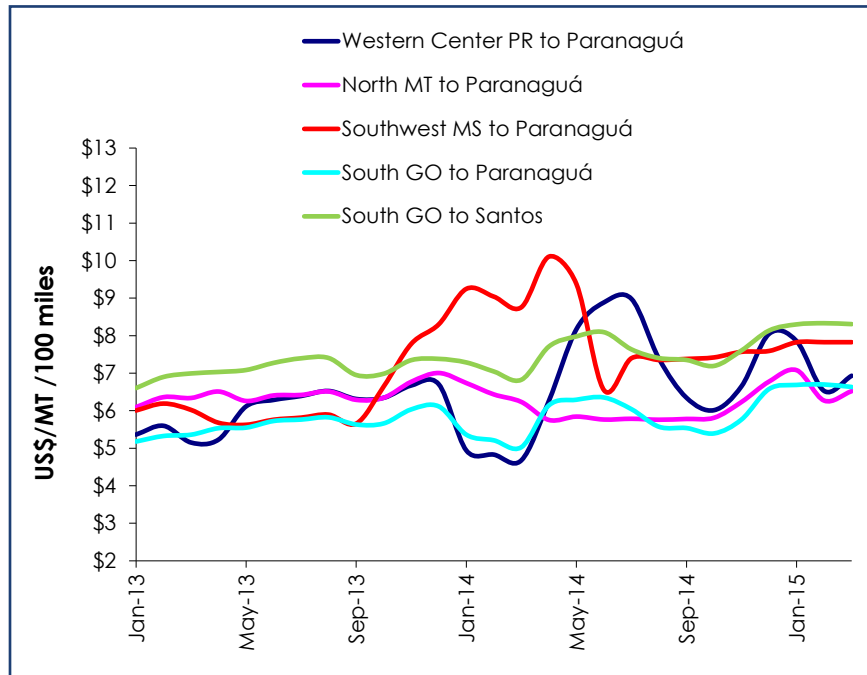
**Table 8. Monthly Brazilian soybean export truck transportation cost index**

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-08	9.40	0.9	162.12	Jan-12	10.20	1.7	175.90
Feb-08	9.63	2.4	166.02	Feb-12	10.76	5.4	185.45
Mar-08	10.59	9.9	182.46	Mar-12	10.55	-2.0	181.82
Apr-08	10.81	2.1	186.35	Apr-12	10.45	-1.0	180.06
May-08	10.69	-1.1	184.32	May-12	9.64	-7.7	166.20
Jun-08	11.00	2.9	189.67	Jun-12	9.37	-2.9	161.44
Jul-08	12.05	9.5	207.73	Jul-12	9.76	4.2	168.16
Aug-08	11.14	-7.6	192.00	Aug-12	10.17	4.3	175.33
Sep-08	10.27	-7.8	177.00	Sep-12	10.30	1.3	177.54
Oct-08	7.44	-27.6	128.22	Oct-12	10.13	-1.6	174.66
Nov-08	7.20	-3.2	124.11	Nov-12	9.84	-2.8	169.69
Dec-08	6.79	-5.7	117.09	Dec-12	9.73	-1.1	167.74
Jan-09	6.91	1.7	119.11	Jan-13	10.11	3.9	174.31
Feb-09	7.28	5.4	125.52	Feb-13	10.79	6.7	185.96
Mar-09	7.65	5.1	131.89	Mar-13	11.14	3.3	192.04
Apr-09	8.44	10.3	145.42	Apr-13	10.95	-1.7	188.71
May-09	9.56	13.3	164.72	May-13	10.40	-5.0	179.31
Jun-09	9.74	2.0	167.97	Jun-13	9.49	-8.8	163.61
Jul-09	9.28	-4.8	159.94	Jul-13	9.65	1.7	166.41
Aug-09	9.29	0.1	160.16	Aug-13	9.80	1.5	168.95
Sep-09	9.14	-1.6	157.62	Sep-13	10.21	4.2	176.02
Oct-09	9.32	1.9	160.66	Oct-13	10.17	-0.4	175.28
Nov-09	9.22	-1.1	158.93	Nov-13	9.29	-8.6	160.18
Dec-09	9.02	-2.2	155.48	Dec-13	8.91	-4.1	153.63
Jan-10	9.17	1.7	158.10	Jan-14	8.86	-0.6	152.73
Feb-10	9.99	8.9	172.16	Feb-14	10.34	16.7	178.24
Mar-10	10.77	7.8	185.67	Mar-14	11.61	12.3	200.13
Apr-10	10.91	1.3	188.10	Apr-14	11.35	-2.2	195.65
May-10	10.80	-1.1	186.10	May-14	10.90	-4.0	187.89
Jun-10	10.61	15.7	182.95	Jun-14	10.34	-5.1	178.24
Jul-10	10.86	2.3	187.14	Jul-14	10.16	-1.7	175.21
Aug-10	11.21	3.3	193.23	Aug-14	10.10	-0.6	174.08
Sep-10	11.46	2.2	197.57	Sep-14	9.66	-4.3	166.54
Oct-10	11.51	0.4	198.41	Oct-14	8.77	-9.3	151.13
Nov-10	10.86	-5.6	187.20	Nov-14	8.36	-4.6	144.16
Dec-10	10.72	-1.3	184.79	Dec-14	7.96	-4.9	137.15
Jan-11	10.84	1.1	186.89	Jan-15	8.01	0.7	138.15
Feb-11	11.21	3.4	193.30	Feb-15	8.02	0.1	138.29
Mar-11	12.07	7.6	208.04	Mar-15	8.32	3.7	143.44
Apr-11	13.30	10.2	229.22				
May-11	12.01	-9.7	207.04				
Jun-11	12.25	2.0	211.20				
Jul-11	12.72	3.9	219.34				
Aug-11	12.64	-0.7	217.84				
Sep-11	11.43	-9.6	196.95				
Oct-11	11.09	-3.0	191.10				
Nov-11	10.70	-3.4	184.52				
Dec-11	10.04	-6.2	173.00				

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

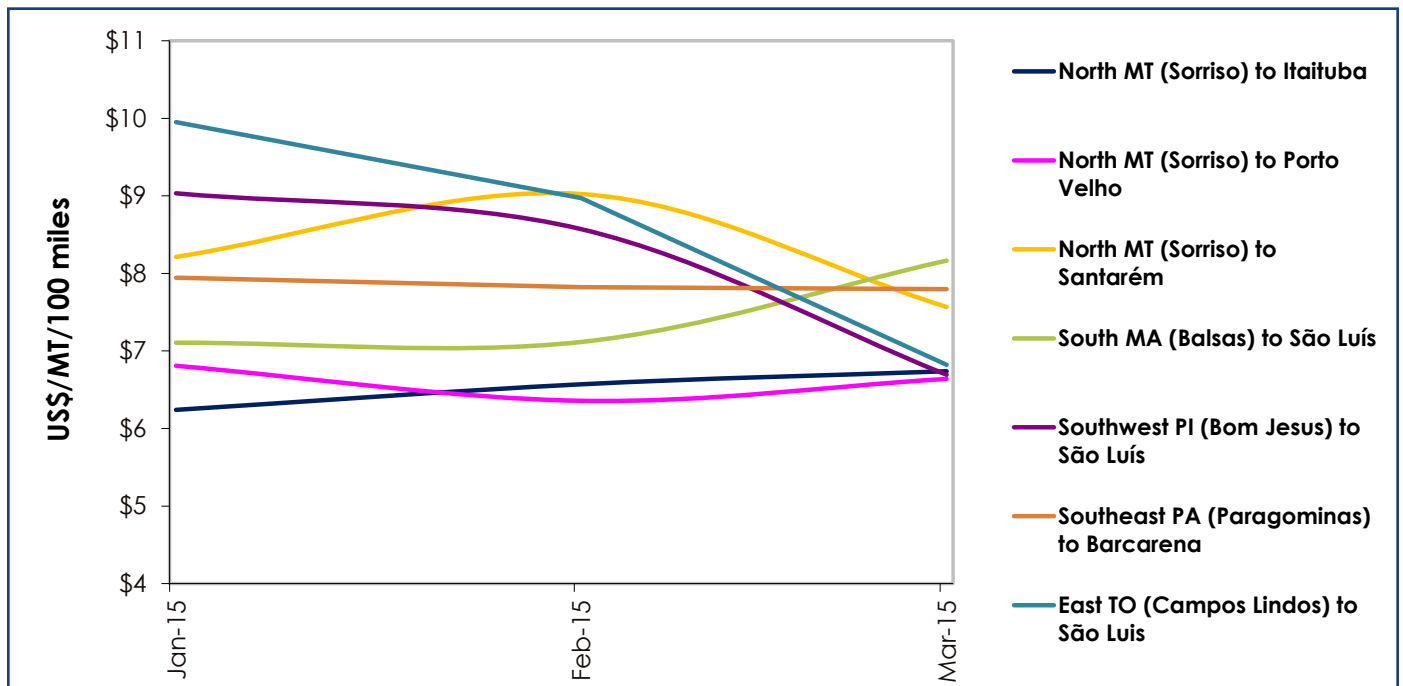


**Figure 4. Truck rates for selected southern Brazilian soybean export transportation route**

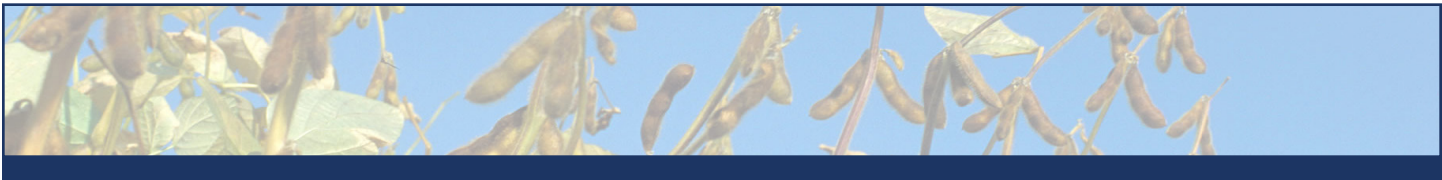


Source: ESALQ/USP (University of São Paulo, Brazil) and USDA/AMS

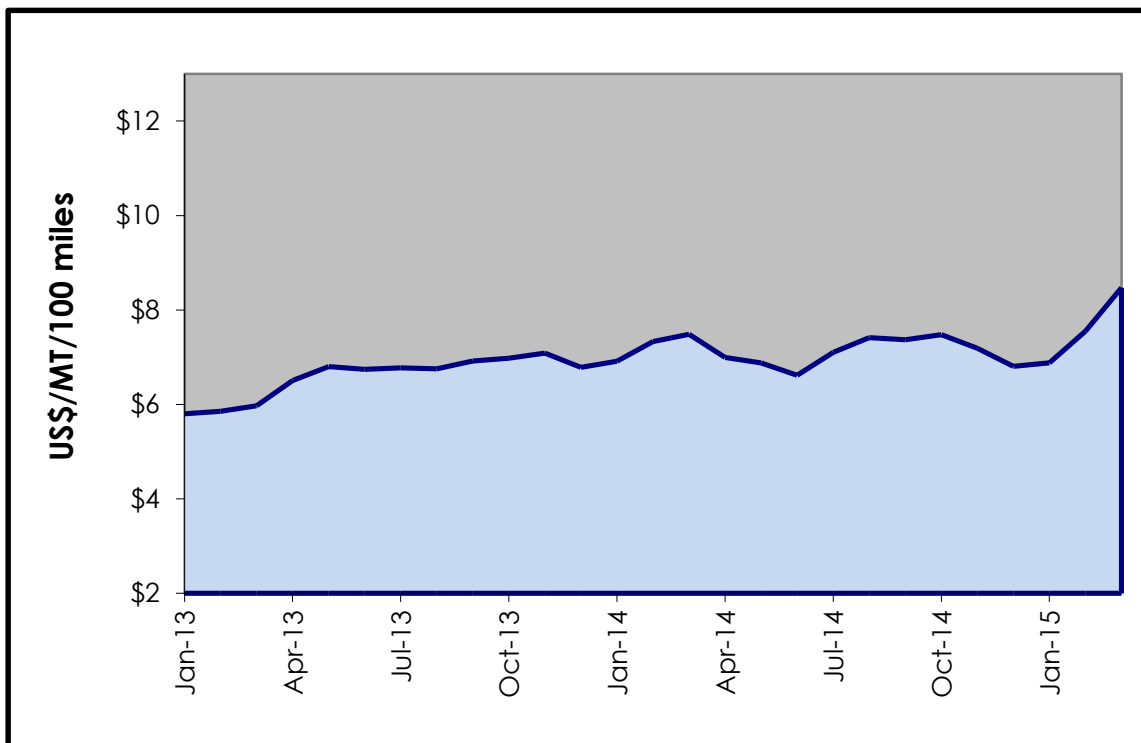
**Figure 5. Truck rates for selected north and northeastern Brazilian soybean export transportation route**



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

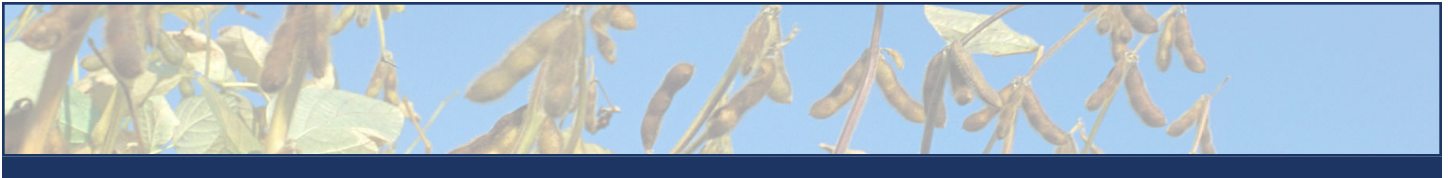


**Figure 6. Brazilian soybean export truck transportation weighted average prices, 2013/15**



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





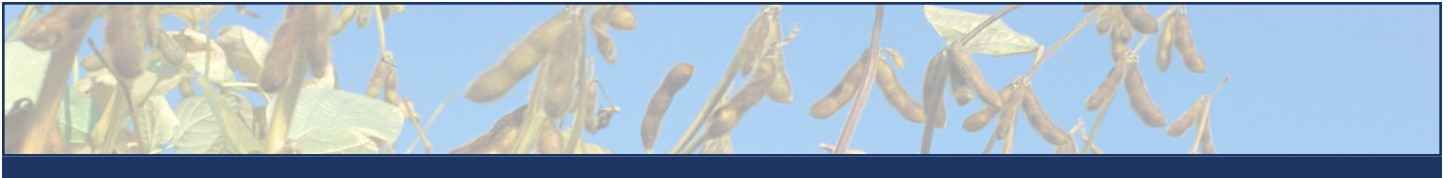
**Table 9. Quarterly ocean freight rates for shipping soybeans from selected Brazilian ports to Germany and China (US\$/metric ton)\***

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
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	36.65	32.00
Paranagua	Germany (Hamburg)	33.86	36.00	37.29	32.63
Rio Grande	Germany (Hamburg)	35.43	36.00	37.81	35.22
Santos	China (Shanghai)	50.00	50.05	52.31	49.65
Paranagua	China (Shanghai)	56.25	57.62	59.61	55.80
Rio Grande	China (Shanghai)	50.50	50.60	53.02	50.26

\*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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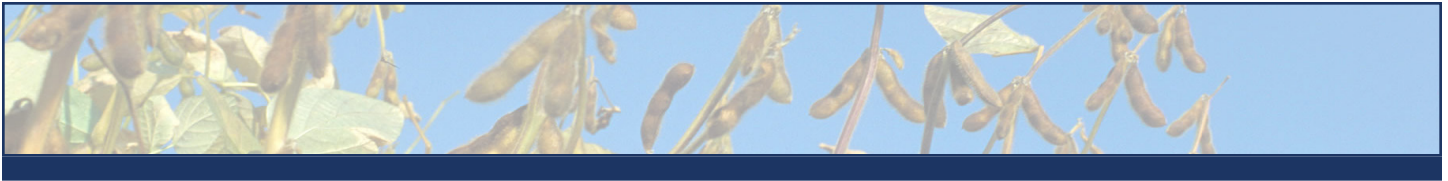


**Table 9. Quarterly ocean freight rates for shipping soybeans from selected Brazilian ports to Germany and China (continued) (US\$/metric ton)\***

Port	Destination	1st qtr 2012	2nd qtr 2012	3rd qtr 2012	4th qtr 2012
Santos	Germany (Hamburg)	32.00	35.00	32.00	28.00
Paranagua	Germany (Hamburg)	31.58	35.00	34.30	34.30
Rio Grande	Germany (Hamburg)	32.08	36.50	32.00	32.00
Santos	China (Shanghai)	46.62	51.35	50.42	50.42
Paranagua	China (Shanghai)	52.32	57.63	55.42	55.42
Rio Grande	China (Shanghai)	47.92	52.78	49.02	49.02
Port	Destination	1st qtr 2013	2nd qtr 2013	3rd qtr 2013	4th qtr 2013
Santos	Germany (Hamburg)	30.00	29.00	29.00	30.00
Paranagua	Germany (Hamburg)	30.00	29.00	29.00	30.00
Rio Grande	Germany (Hamburg)	30.00	29.00	29.00	30.00
Santos	China (Shanghai)	52.34	34.50	34.50	42.50
Paranagua	China (Shanghai)	56.03	36.75	36.75	46.00
Rio Grande	China (Shanghai)	51.34	35.25	35.25	44.25
Port	Destination	1st qtr 2014	2nd qtr 2014	3rd qtr 2014	4th qtr 2014
Santos	Germany (Hamburg)	31.00	30.00	26.00	24.00
Paranagua	Germany (Hamburg)	31.00	30.00	28.00	26.00
Rio Grande	Germany (Hamburg)	31.00	30.00	24.50	22.50
Santos	China (Shanghai)	44.83	38.07	34.00	30.50
Paranagua	China (Shanghai)	47.22	41.13	36.00	32.50
Rio Grande	China (Shanghai)	44.83	38.75	32.50	30.50
Port	Destination	1st qtr 2015	2nd qtr 2015	3rd qtr 2015	4th qtr 2015
Santos	Germany (Hamburg)	22.00			
Paranaguá	Germany (Hamburg)	22.00			
Rio Grande	Germany (Hamburg)	22.00			
Santarém	Germany (Hamburg)	20.00			
São Luís	Germany (Hamburg)	20.00			
Barcarena	Germany (Hamburg)	20.00			
Santos	China (Shanghai)	29.50			
Paranagua	China (Shanghai)	31.50			
Rio Grande	China (Shanghai)	29.50			
Santarém	China (Shanghai)	32.00			
São Luís	China (Shanghai)	32.00			
Barcarena	China (Shanghai)	32.00			

\*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: Transportation costs of Selected Brazil routes of Shanghai, China, 1st quarter 2015 \(XLS\)](#)
- ◆ [Figure 4: Truck rates for selected Brazilian soybean export transportation route \(XLS\)](#)
- ◆ [Figure 5: Truck rates for selected north and Northeast Brazilian soybean export transportation route \(XLS\)](#)
- ◆ [Figure 6: Brazilian soybean export truck transportation weighted average prices, 2013/15 \(XLS\)](#)
- ◆ [Table 1: Quarterly costs of transporting from southern Brazilian soybean ports to Shanghai, China \(XLS\)](#)
- ◆ [Table 2: Quarterly costs of transporting from southern Brazilian soybean ports to Hamburg, Germany \(XLS\)](#)
- ◆ [Table 3: Quarterly costs of transporting Brazilian soybeans from the southern ports to Shanghai, China \(XLS\)](#)
- ◆ [Table 4: Quarterly costs of transporting Brazilian soybeans from the southern ports to Hamburg, Germany \(XLS\)](#)
- ◆ [Table 5: Quarterly costs of transporting Brazilian soybeans from the north and northeastern ports to Shanghai, China \(XLS\)](#)
- ◆ [Table 6: Quarterly costs of transporting Brazilian soybeans from the north and northeastern ports to Hamburg, Germany \(XLS\)](#)
- ◆ [Table 7: Truck rates for selected Brazilian soybean export transportation routes, 2015 \(XLS\)](#)
- ◆ [Table 8: Monthly Brazilian soybean export truck transportation cost index \(XLS\)](#)
- ◆ [Table 9: Quarterly ocean freight rates for shipping soybeans from selected Brazilian ports to Germany and China \(XLS\)](#)

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- ◆ [Soybean Transportation Guide: Brazil 2013 \(PDF\)](#)
- ◆ [Prior Articles: Brazil Soybean Transportation, January 28, 2015 \(PDF\)](#)
- ◆ [Related Articles: Grain Transportation Report, February 26, 2015 \(PDF\)](#)
- ◆ [U.S. Corn, Soybean, and Wheat Quarterly Transportation Cost Indicator Reports](#)



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