Transportation and Export Report for 11 October 2018

Ocean Freight Insights and Comments:

China markets reopened following last week's Golden Week Holiday and some fresh buying came into the market. Both paper and physical traders took this as reason to push things up for the week and some paper short covering ensued.

For the most part, Dry-Bulk freight markets ended the week with good gains relative to where they entered the holiday period. We will now have to see if this week's seller's optimism can be maintained and supported into next week. The Capesize vessel sector experienced the biggest weekly drop and the Handymax through Panamax shipping sectors showed the most weekly support.

October interest in Handy-Handymax vessels for the US Gulf to Argentina route now asking \$37.00 up to \$38-\$37.00/mt; up \$4-\$5.00/mt from three weeks ago.

BALTIC DRY-BULK PANAMAX INDEX CHANGES

| Panamax Ocean Freight Indices | | | | | | | |
|-------------------------------|-------|-------|------------|--------|--|--|--|
| 11-Oct-18 This Last Per | | | | | | | |
| | Week | Week | Difference | Change | | | |
| P2A : Gulf/Atlantic - Japan | 22464 | 21759 | 705 | 3.2% | | | |
| P3A - PNW/Pacific - Japan | 13638 | 13350 | 288 | 2.2% | | | |
| S1C -USGULF-China-So.Japan | 25475 | 25597 | -122 | -0.5% | | | |

Recent history of freight values for Capesize vessels of Iron-Ore from West Australia to South China:

Four weeks ago: \$ 7.50-\$7.60
Three weeks ago: \$ 7.45-\$7.70
Two weeks ago: \$ 7.20-\$7.25
One week ago: \$ 7.95- 9.30
This week \$ \$7.95-\$8.60

US Vessel Line-Ups/Estimated vessel berthing delays at U.S. Export Grain Elevators

Mississippi River: (10 elevators) 2-9 days
Miss. River Mid-Stream loaders: (6+ Rigs) 0-4 days
Texas Gulf (6 elevators) 0-4 days
Pacific Northwest: (9 elevators) 0-10 days

| Panamax Market Spreads to Asia -China | | | | | | | |
|--|---------|---------|-------|---------|----------|--|--|
| 11-Oct-18 PNW GULF Bushel Spread MT Spread Advantage | | | | | | | |
| CORN | 0.87 | 0.58 | 0.29 | \$11.42 | PNW | | |
| SOYBEANS | 0.40 | 0.28 | 0.12 | \$4.41 | PNW | | |
| OCEAN FREIGHT | \$27.00 | \$48.50 | .5559 | \$21.50 | November | | |

Recent Reported Vessel Fixtures:

| Route and Vessel Size | Current Week USD/MT | Change from previous week | Remarks |
|---|-------------------------------|---------------------------|--|
| 55,000 U.S. Gulf-Japan | \$49.50 | Up \$2.00 | Handymax \$50.00 mt |
| 55,000 U.S. PNW- Japan | \$27.75 | Up \$1.00 | Handymax \$28.25 mt |
| 66,000 U.S. Gulf – China PNW to China | \$48.50 \$27.00 | Up \$2.00 Up \$1.00 | North China |
| 25,000 U.S. Gulf- Veracruz, México | \$18.25 | Up \$0.75 | 3,000 MT daily discharge rate |
| 35-40,000 U.S. Gulf- Veracruz, México | \$16.00 | Up \$0.50 | Deep draft and 6,000 MT per day discharge rate. |
| 25/35,000 U.S. Gulf- <u>East Coast Colombia</u> From Argentina | \$22.50 \$36.75 | Up \$1.00 | West Coast Colombia at \$30.75 |
| 40-45,000 U.S. Gulf - Guatemala | \$31.25 | Up \$1.00 | Acajutla/Quetzal - 8,000 out |
| 26-30,000 U.S. Gulf – Algeria | \$37.00 \$38.25 | Up \$2.00 | 8,000 mt daily discharge 3,000 mt daily discharge |
| 26-30,000 US Gulf-Morocco | \$39.50 | Up \$2.00 | 5,000 discharge rate |
| 55-60,000 U.S. Gulf –Egypt PNW to Egypt | \$33.75 \$33.00 | Up \$2.00 | 55,000 -60,000 mt Russia Black Sea to Egypt \$18.00 |
| 60-70,000 U.S. Gulf – Europe – Rotterdam | \$21.00 | Down \$0.50 | Handymax at +\$1.75 more |
| Brazil, Santos – China Brazil, Santos – China Itacoatiara-Port Up River North Brazil | \$40.25 \$39.50 \$43.00 | Up \$2.00 | 54-59,000 Supramax-Panamax 60-66,000 Post Panamax 60-66,000 mt |
| 56-60,000 Argentina/Rosario- China Deep Draft | \$44.75 | Up \$2.00 | Up River with BB Top Off \$43.25 |

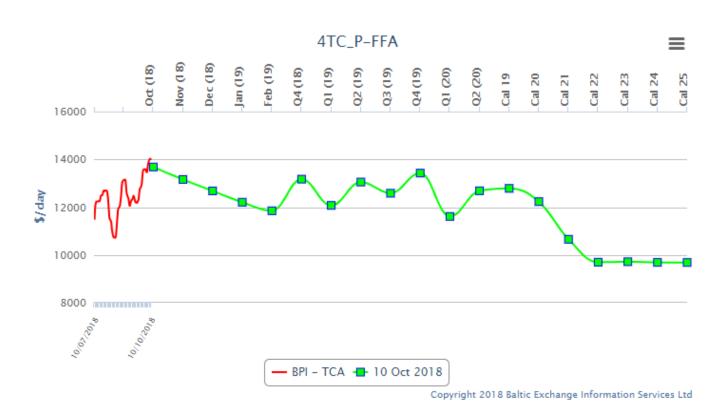
• The above rate estimates reflect the 30-45-day forward ocean freight markets.

Nautical Miles: To Xiamen China (South China)

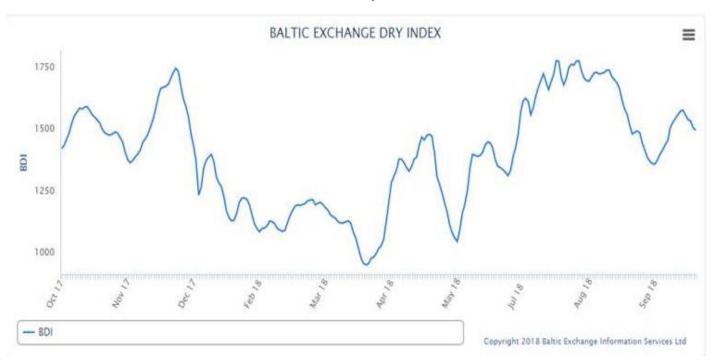
US Gulf (NOLA) (via Panamá Canal) – 10,232 nautical miles (32 days)
Santos Brazil (via Cape of Good Hope) - 10,441 nautical miles (33 days)
Rasario Argentina (via Cape Horn) - 10,751 nautical miles (34 days)



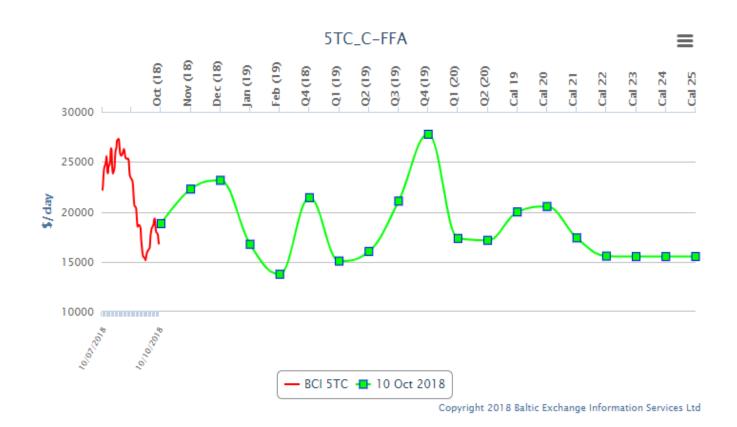
Forward Curve for Baltic BPI Panamax Vessel Freight



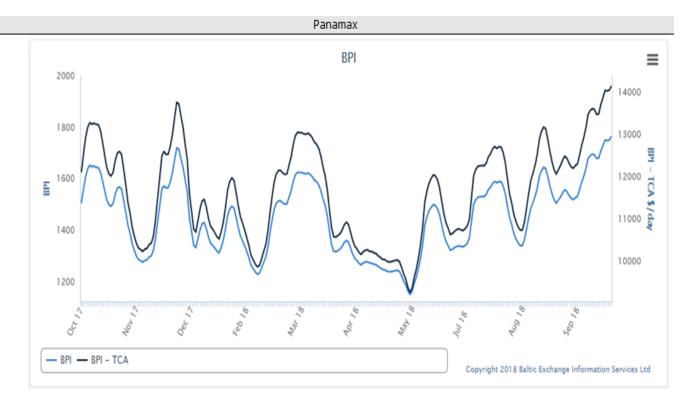
Baltic Dry Index.



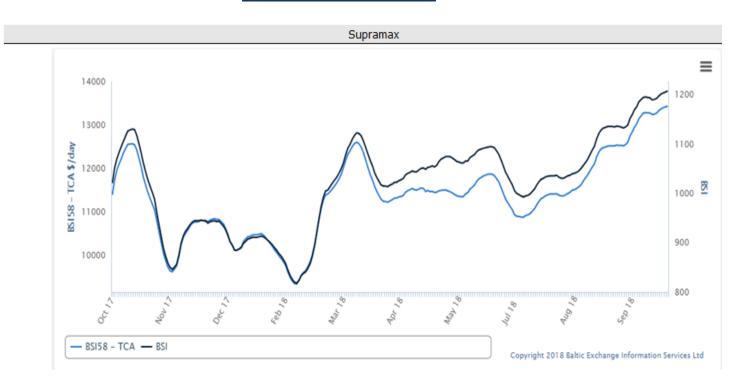
Baltic Capesize Index



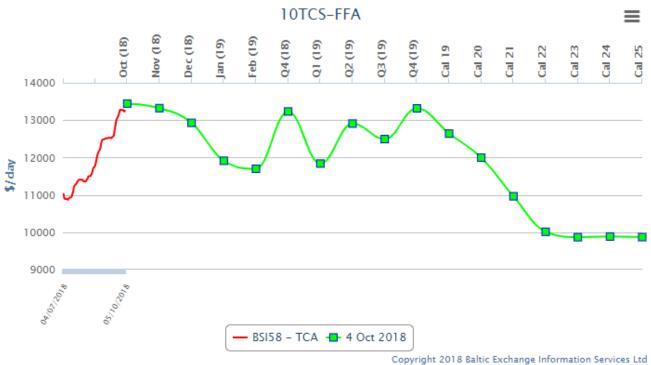
Baltic Panamax Index



Baltic Supramax Vessel Index

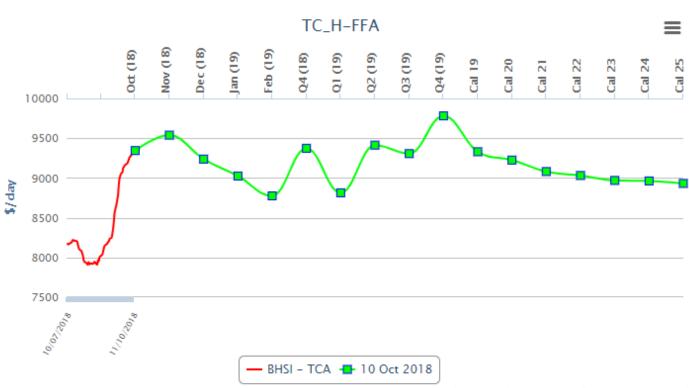


Supramax Dry-Bulk Forward Curve



FFA SUPRAMAX 52-52,000 DWT, Max 15 years of age.

Baltic Handy Size



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| China Import Dry Bulk Freight Index(CDFI) 2018-10-11 | | | | | | | |
|--|-----------|----------------------|--------|---------|--------|--|--|
| Route | Size MT | Cargo/Vessel Size | Unit | Rate | Change | | |
| Composite Index | (| | Point | 1013.58 | 15.67 | | |
| Iron ore Freight Inc | dex | | Point | 987.00 | 25.75 | | |
| Soybean Freight In | dex | | Point | 1127.10 | 7.61 | | |
| Santos(Brazil)—North China | 60000/10% | Soybean | \$/ton | 39.668 | 0.140 | | |
| Tacoma(West America)—North China | \$/ton | 27.050 | 0.378 | | | | |
| Mississippi(US Gulf)—North China 66000/10% Soybean | | | | 48.420 | 0.447 | | |
| Mississippi(US Gulf)—North China | 55000/10% | Soybean | \$/ton | 49.377 | 0.412 | | |

11 October 2018 U.S. FOB Vessel Export Market Values:

| U.S. Yellow Corn (USD/MT) FOB Vessel | | | | | | |
|--------------------------------------|--------|------------|-------|------------|--|--|
| # 2 YC | U.S. 6 | Gulf #2 YC | P | NW #3 YC | | |
| 15.0 % Moisture | Basis | Flat Price | Basis | Flat Price | | |
| Nov. | 0.58 | \$168.20 | 0.87 | \$179.62 | | |
| Dec. | 0.63 | \$170.56 | 0.93 | \$181.98 | | |
| Jan. | 0.59 | \$172.14 | 0.90 | \$185.52 | | |
| Feb. | 0.58 | \$172.92 | 0.95 | \$187.49 | | |
| Mar. | 0.60 | \$173.71 | 0.98 | \$188.67 | | |
| Apr. | 0.56 | \$174.99 | 0.93 | \$189.56 | | |

The Gulf spread between #2 & #3 YC is currently about 02 cents per bushel (0.80/mt)

| SORGHUM (USD/MT) FOB VESSEL | | | | | | | |
|-----------------------------|-------|------------|------------|------------|--|--|--|
| #2 YGS Fob Vessel | NOLA | | IOLA TEXAS | | | | |
| Max. 14.0% moisture | BASIS | FLAT PRICE | BASIS | FLAT PRICE | | | |
| Nov. | 0.95 | \$182.77 | 0.75 | \$174.89 | | | |
| Dec. | 0.95 | \$182.77 | 0.75 | \$174.89 | | | |
| Jan. | 0.95 | \$187.49 | 0.75 | \$179.62 | | | |
| Feb. | 0.95 | \$187.49 | 0.75 | \$179.62 | | | |
| Mar. | 1.00 | \$189.46 | 0.78 | \$180.80 | | | |

Fob vessel Texas Gulf #2 Sorghum is about 1.04 % the value of #2 Yellow Corn at NOLA. In S.W. Kansas it is bid at 85 percent the value of corn.

U.S. SRW Wheat Fob Vessel at the Center U.S. Gulf

| SRW Wheat | USD/MT | Fob Vessel | US Gulf | |
|---------------|----------|------------|----------|----------|
| | Nov. | Dec. | Jan. | Feb. |
| FOB U.S. GULF | \$216.05 | \$217.89 | \$220.18 | \$222.02 |
| Basis | 0.80 | 0.85 | 0.70 | 0.75 |
| WZ | 5.0800 | | | |
| WH | 5.2925 | | | |
| WK | 5.4150 | | | |

| CME Futures Market Close | | | | | | | |
|--------------------------|-------------------|-----------------------------|--------------------------|----|--------------------|------------------|----------------------|
| CORN Month | Futures Symbol | Thursday Close Bushel | Thursday Close MT. | | ist week Bushel | Last Week MT. | Difference Bushel |
| Dec. | CZ | \$3.6925 | \$145.37 | \$ | 3.6750 | \$144.68 | \$0.0175 |
| Mar. | СН | \$3.8125 | \$150.09 | \$ | 3.7925 | \$149.30 | \$0.0200 |
| May. | CK | \$3.8850 | \$152.94 | \$ | 3.8650 | \$152.16 | \$0.0200 |
| July | CN | \$3.9400 | \$155.11 | \$ | 3.9175 | \$154.22 | \$0.0225 |
| Sept. | CU | \$3.9700 | \$156.29 | \$ | 3.9500 | \$155.50 | \$0.0200 |

CBOT December 2018 (CZ8) Corn Futures Chart -







U.S. Soybean and SBM Markets Fob Vessel:

| U.S. Yellow Soybeans (USD/MT) FOB Vessel | | | | | | |
|--|----------|------------|-------|------------|--|--|
| # 2 YSB | U.S. Gul | f #2 YSB | PNV | V #2 YSB | | |
| 14.0 % Moisture | Basis | Flat Price | Basis | Flat Price | | |
| Nov. | 0.28 | \$325.64 | 0.40 | \$330.05 | | |
| Dec. | 0.25 | \$329.77 | 0.48 | \$338.22 | | |
| Jan. | 0.30 | \$331.61 | 0.60 | \$342.63 | | |
| Feb. | 0.26 | \$334.73 | 0.58 | \$346.49 | | |
| Mar. | 0.32 | \$336.94 | 0.65 | \$349.06 | | |

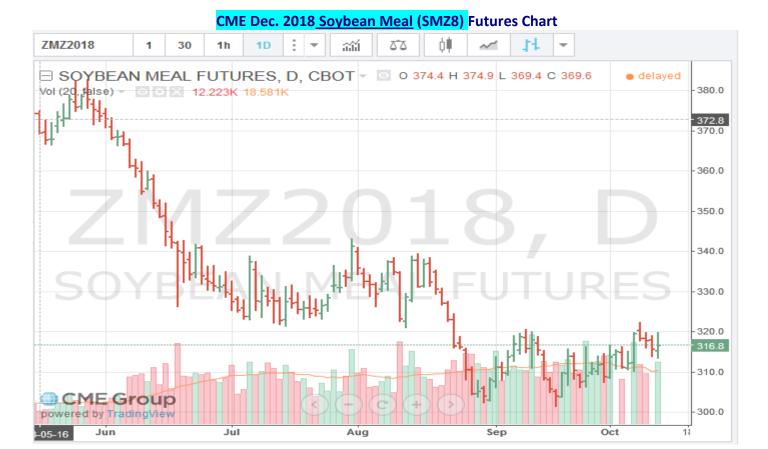
Soybean Futures

| Nov. | \$ 8.5825 |
|------|--------------|
| Jan. | \$ 8.7250 |
| Mar. | \$ 8.8500 |
| May | \$ 8.9850 |
| July | \$ 9.1025 |
| Aug. | \$ 9.1475 |

| U.S. SBM (USD/MT) FOB Vessel | | | | | |
|------------------------------|--------|---------------|------------|--|--|
| Fob U.S. Gulf Port | 47 | 47.5 Pro. SBM | | | |
| max 12.5 % moisture | Basis | | Flat Price | | |
| Nov. | 13.00 | \$ | 363.60 | | |
| Dec. | 13.00 | \$ | 363.60 | | |
| Jan. | 15.00 | \$ | 366.58 | | |
| Feb. | 17.00 | \$ | 367.68 | | |
| Mar. | 18.00 | \$ | 368.79 | | |
| SBM Futures | | | | | |
| SMV | 312.80 | | | | |
| SMZ | 316.80 | | | | |
| SMF | 317.50 | | | | |
| SMH | 316.50 | | | | |
| SMK | 314.20 | | | | |
| SMN | 314.90 | | | | |

CME Nov. 2018 Soybean (SX18) Futures Chart:





<u>U.S. EXPORT STATISTICS: Report Activity as of Week Ending 27 September 2018</u> <u>Thursday-Weekly U.S. Export Sales</u>

| Commodity | New Sales (000 MT) | YTD Export Commitments **(000 MT) | Total Projected Export Program for Year (000 MT) | Percent of Export Projection | Total Sales for Next Marketing Year '17- 18 (000 MT) |
|-----------|-----------------------|---|---|------------------------------------|--|
| Corn | 1514.2 | 19,699.0 | 60,960 | 32% | 71.1 |
| Sorghum | 20.3 | 86.0 | 4,450 | 2% | 0.0 |
| Soybeans | 1721.4 | 20,188.5 | 56,070 | 36% | 85.5 |
| Wheat | 435.6 | 11,299.7 | 27,900 | 41% | 0.0 |
| Barley | 0.2 | 55.7 | 110 | 51% | 0.0 |

U.S. EXPORT INSPECTIONS:

Monday's report 09 October 2018 for the Export week ending 04 October 2018

| | Export I | nspections | G (M.) | D . V | 2018/19 YTD as | | |
|----------|-----------|------------------|----------------------------|--------------------------|---------------------------|--|--|
| | This Week | Previous Week | Current Market Year YTD | Previous Year to Date | Percent of 2017/18 YTD | | |
| Corn | 1,351,177 | 1,377,263 | 5,806,250 | 3,581,854 | 162% | | |
| Sorghum | 61,103 | 2,372 | 69,807 | 368,779 | 19% | | |
| Soybeans | 569,776 | 630,249 | 3,540,940 | 5,464,549 | 65% | | |
| Wheat | 423,270 | 371,991 | 7,340,908 | 10,324,837 | 71% | | |
| Barley | 196 | 0 | 3,743 | 14,514 | 26% | | |

For further Export Sales details: http://www.fas.usda.gov/export-sales/esrd1.html

U.S. EXPORT INSPECTIONS:

Monday's report 09 October 2018 for the Export week ending 04 October 2018

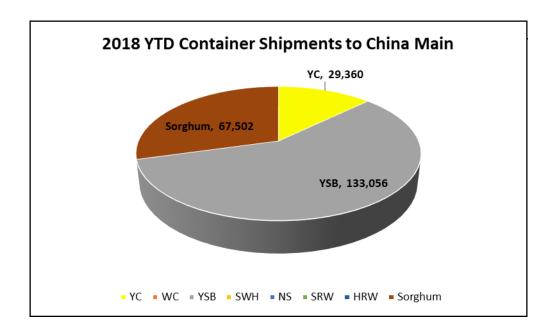
| Last Week | | | | | | | | |
|----------------------|-----------|-----|--------|-----|---------|-----|----------|-----|
| (Metric Tons) | YC | % | WC | % | Sorghum | % | Soybeans | % |
| Lakes | 0 | 0% | 0 | 0% | 0 | 0% | 49,453 | 9% |
| Atlantic | 7,160 | 1% | 0 | 0% | 0 | 0% | 52,130 | 9% |
| Gulf | 737,148 | 56% | 20,140 | 72% | 60,503 | 99% | 383,454 | 67% |
| PNW | 510,359 | 39% | 0 | 0% | 24 | 0% | 10,873 | 2% |
| Interior Export Rail | 68,387 | 5% | 7,983 | 28% | 576 | 1% | 73,866 | 13% |
| Metric Tons | 1,323,054 | | 28,123 | | 61,103 | | 569,776 | |

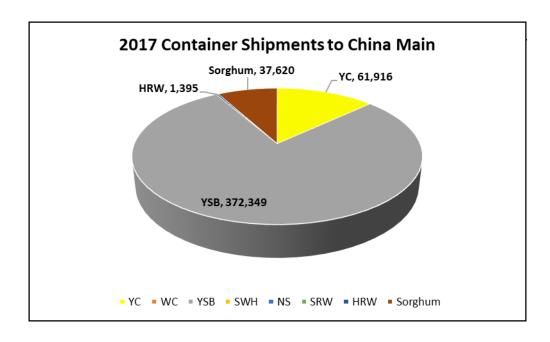
| Sorghum Shipments: | metric tons | _ | White Corn | metric tons | |
|--------------------|-------------|--------|------------|-------------|------------|
| | 60,503 | Spain | Shipments: | 14,014 | Colombia |
| | 24 | Japan | | 6,126 | Costa Rica |
| | 576 | Mexico | _ | 7,983 | Mexico |
| | 61,103 | Total | _ | 28,123 | Total |
| | | | | | |

Export Inspection Highlights

<u>Data sheet below:</u> USDA weekly export inspections report with corrections to the last three weeks' grain export inspections reports. (This usually covers a 2-5 week prior time frame).

| export inspections i | | <u> </u> | CONTAINER | <u>-</u> | | | • | | |
|-----------------------|-------------|-----------|-----------|----------|----|-------------|-----|---------|--------|
| USDA Grain Inspection | ons Report: | | 4-Oct-2 | | | | | | |
| Last Week | metric tons | | | | | | | | MT |
| Last Week | YC | wc | YSB | SRW | NS | SWH | HRW | Sorghum | TOTAL |
| China Main | | | | | | | | | 0 |
| China T | 11,827 | | 8,278 | | | | | | 20,105 |
| Hong Kong | 1,027 | | | | | | | | 1,027 |
| Costa Rica | | | | | | | | | 0 |
| Indonesia | 784 | | 19,026 | | | | | | 19,810 |
| India | | | | | | | | | 0 |
| Japan | | | 563 | | | | | | 563 |
| Korea Republic | 98 | | 1,151 | 514 | | | | | 1,763 |
| Un Arab Em | | | | | | | | | 0 |
| Malaysia | 1,861 | | 9,697 | | | | | | 11,558 |
| Burma | , | | | | | | | | 0 |
| Philippines | 980 | | 1,836 | | | | | | 2,816 |
| Thailand | | | 15,232 | | | | | | 15,232 |
| Guyana | | | , | | | | | | 0 |
| Bangladesh | | | 318 | | | | | | 318 |
| Vietnam | | | 6,289 | | | | | | 6,289 |
| Sub total | 16,577 | 0 | 62,390 | 514 | 0 | 0 | 0 | 0 | 72,874 |
| | | | | | | | | | |
| USDA Corrections/Ad | | vious rep | | | | | | | |
| China T | 5,901 | | 1,860 | | | | | | 7,761 |
| China Main | | | | | | | | | 0 |
| Hong Kong | 392 | | | | | | | | 392 |
| Korea Rep. | | | | | | | | | 0 |
| Costa Rica | | | | | | | | | 0 |
| Japan | | | 122 | | | | | | 122 |
| Philippines | | | 294 | | | | | | 294 |
| Indonesia | 1,151 | | 1,862 | | | | | | 3,013 |
| Malaysia | 1,616 | | | | | | | | 1,616 |
| Thailand | | | 1,053 | | | | | | 1,053 |
| Vietnam | | | 1,200 | | | | | | 1,200 |
| Canada | | | · | | | | | | 0 |
| Burma | | | | | | | | | 0 |
| Sub total | 9,060 | 0 | 6,391 | 0 | 0 | 0 | 0 | 0 | 15,451 |
| Mt. Grand Total | 25,637 | 0 | 68,781 | 514 | 0 | 0 | 0 | 0 | 88,325 |
| Number of containers | 1,115 | J | 2,990 | J 17 | 0 | 0 | 0 | | 00,020 |





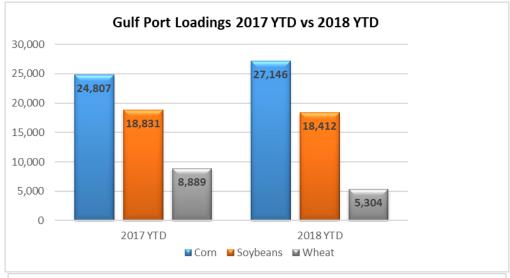
Grain Inspections for Export by U.S. Port Regions: U.S. Gulf and Pacific Northwest 2017 YTD vs. 2018 YTD

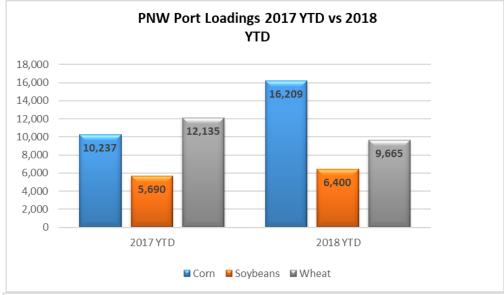
| PORT LOADINGS US Gulf | | | | |
|-----------------------|--------|----------|-------|--------|
| (1,000 MT) | CORN | SOYBEANS | WHEAT | TOTAL |
| GULF | | | | |
| 2017 YTD | 24,807 | 18,831 | 8,889 | 52,527 |
| 2018 YTD | 27,146 | 18,412 | 5,304 | 50,862 |
| 2018 as % of 2017 | 109% | 98% | 60% | 97% |

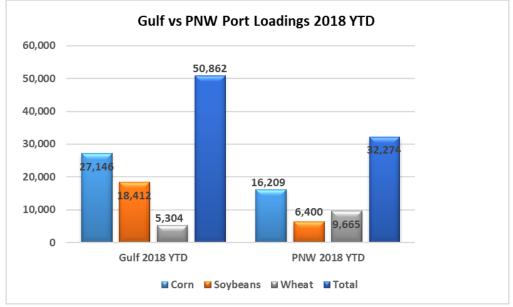
| PORT LOADINGS US PNW | | | | |
|----------------------|--------|----------|--------|--------|
| (1,000 MT) | CORN | SOYBEANS | WHEAT | TOTAL |
| PNW | | | | |
| 2017 YTD | 10,237 | 5,690 | 12,135 | 28,062 |
| 2018 YTD | 16,209 | 6,400 | 9,665 | 32,274 |
| 2018 as % of 2017 | 158% | 112% | 80% | 115% |

| PORT LOADINGS GULF vs. PNW | | | | | | | | | | |
|----------------------------|--------|----------|--------|--------|--|--|--|--|--|--|
| (1,000 MT) | CORN | SOYBEANS | WHEAT | TOTAL | | | | | | |
| 2018 Gulf YTD | 27,146 | 18,412 | 5,304 | 50,862 | | | | | | |
| 2018 PNW YTD | 16,209 | 6,400 | 9,665 | 32,274 | | | | | | |
| TOTAL | 43,355 | 24,812 | 14,969 | 83,136 | | | | | | |
| Gulf Percentage | 63% | 74% | 35% | 61% | | | | | | |
| PNW Percentage | 37% | 26% | 65% | 39% | | | | | | |

Grain Inspections for Export by U.S. Port Regions (1,000MT): U.S. Gulf and Pacific Northwest 2017 YTD vs. 2018 YTD

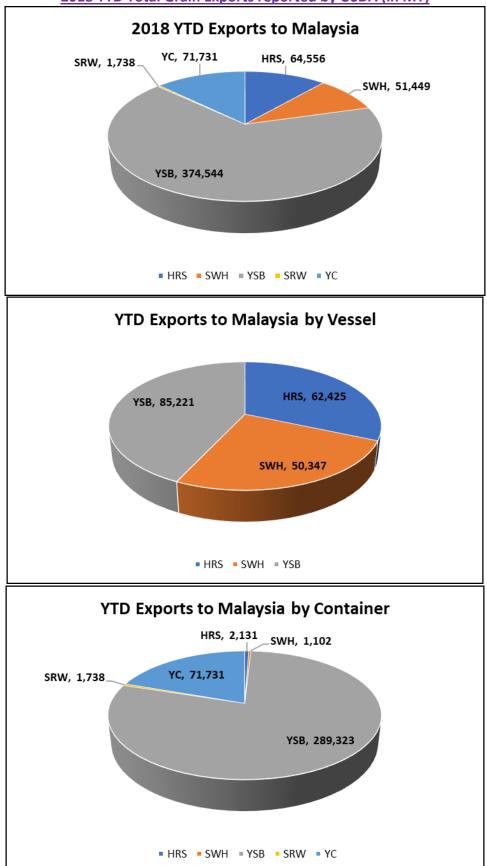






Source: USDA-data

2018 YTD Total Grain Exports reported by USDA (in MT)



 $[\]star\star$ Please keep in mind that USDA does not report DDGS sales, or they would show as the largest exports by container.

Source: USDA

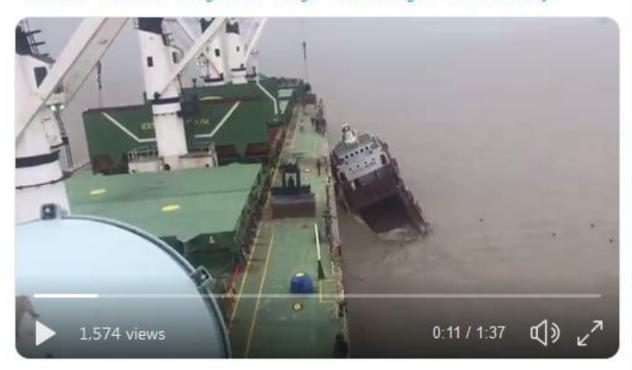
Shipping News

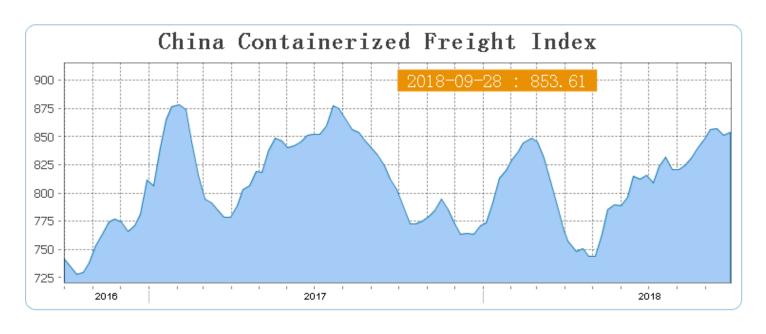
https://twitter.com/i/status/1050374525127467008

MarineInsight @MarineInsight · 9h

Recent Incident of sinking of Barge near Bangladesh. Do you have more info about this accident? Please send it to info@marineinsight.com

#accident #maritime #bangladesh #barge #marineinsight #merchantnavy





U.S. RIVER BARGE FREIGHT

Current Barge Freight for Placement Last Half November 2018

| Placement LH November 2018 | % of | | Corn | Soybeans-Wheat |
|----------------------------------|--------|---------|------|----------------|
| | Tariff | MT | BU | BU |
| Upper Mississippi | 465 | \$31.73 | 0.81 | 0.86 |
| Illinois River (Pekin and South) | 430 | \$22.80 | 0.58 | 0.62 |
| Mid-Mississippi | 440 | \$25.80 | 0.66 | 0.70 |
| Lower Ohio | 385 | \$18.93 | 0.48 | 0.52 |
| St. Louis | 340 | \$14.95 | 0.38 | 0.41 |

Secondary Rail Car Market for car placement period: Last Half November 2018.

| Secondary Rail Car Market Placement LH. November 2018 | BID ASK USD USD | | _ | | BID BU. | | ASK BU. | | BID MT | | ASK MT | |
|--|--------------------|----|--------|-------|------------|----|------------|----|-----------|----|-----------|--|
| | | | | | | | | | | | | |
| BNSF Shutle Trains | \$ - | \$ | 150.00 | \$ | - | \$ | 0.04 | \$ | - | \$ | 1.48 | |
| UPRR Shuttle Trains | \$ (50.00) | \$ | 100.00 | \$ (0 | 0.01) | \$ | 0.03 | \$ | (0.49) | \$ | 0.98 | |

www.grains.ksu.edu/igp

Best Regards,

Jay

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*** The information in this market report is derived from sources believed to be reliable and accurate but cannot be guaranteed. Forward looking projections are never completely accurate, and these markets move quickly.

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