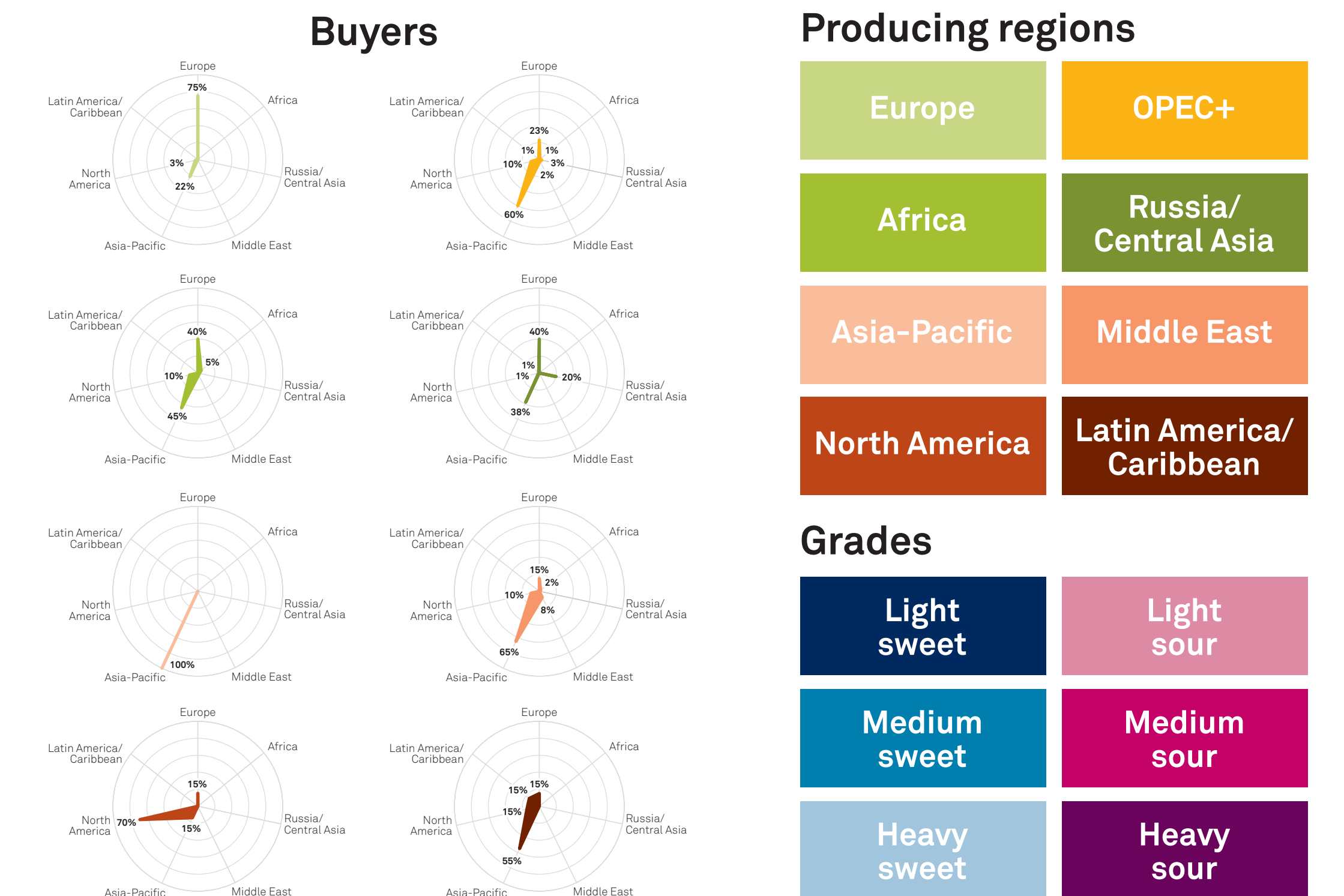
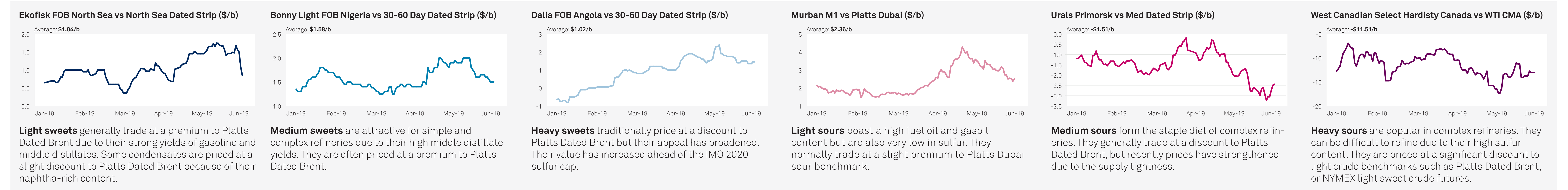


# Platts periodic table of oil

Crude quality has increased in importance following the rise of US shale and OPEC's alliance with Russia. Below is a chart of 120 crudes selected by the Market Insight team at S&P Global Platts. It represents the most diverse and key streams in global oil markets.



Classification		Criteria																																																																																																																					
Light	API > 34	Sweet	< 0.6% S																																																																																																																				
Medium	API 25 - 34	Sour	> 0.6% S																																																																																																																				
Heavy	API < 25																																																																																																																						
Sour																																																																																																																							
<b>Terengganu Condensate</b> Country: Malaysia Output (b/d): 30,000 Sulfur (%): 0.00 SG (%): 73.10	<b>Sleipner Condensate</b> Country: Norway Output (b/d): 48,000 Sulfur (%): 0.05 SG (%): 69.70	<b>Saharan Blend</b> Country: Algeria Output (b/d): 956,000 Sulfur (%): 0.10 SG (%): 43.19	<b>Abu Dhabi Condensate</b> Country: UAE Output (b/d): 377,000 Sulfur (%): 0.11 SG (%): 58.40	<b>Asgard Blend</b> Country: Norway Output (b/d): 130,000 Sulfur (%): 0.17 SG (%): 49.52	<b>Nemba</b> Country: Angola Output (b/d): 145,000 Sulfur (%): 0.21 SG (%): 39.80	<b>Algerian Condensate</b> Country: Algeria Output (b/d): 229,000 Sulfur (%): 0.00 SG (%): 68.70	<b>Cossack</b> Country: Australia Output (b/d): 35,000 Sulfur (%): 0.04 SG (%): 48.20	<b>Bakken</b> Country: US Output (b/d): 1,249,000 Sulfur (%): 0.13 SG (%): 42.80	<b>Niobrara</b> Country: US Output (b/d): 492,000 Sulfur (%): 0.13 SG (%): 40.00	<b>Eagle Ford 47 Crude</b> Country: US Output (b/d): 238,000 Sulfur (%): 0.17 SG (%): 45.20	<b>Oseberg</b> Country: Norway Output (b/d): 150,000 Sulfur (%): 0.20 SG (%): 39.60	<b>South Pars Condensate</b> Country: Iran Output (b/d): 629,000 Sulfur (%): 0.26 SG (%): 58.40	<b>Es Sider</b> Country: Libya Output (b/d): 250,000 Sulfur (%): 0.37 SG (%): 36.70	<b>West Texas Intermediate</b> Country: US Output (b/d): 515,000 Sulfur (%): 0.42 SG (%): 40.80	<b>Masila</b> Country: Yemen Output (b/d): 45,000 Sulfur (%): 0.51 SG (%): 34.10	<b>CPC Blend</b> Country: Kazakhstan Output (b/d): 1,400,000 Sulfur (%): 0.54 SG (%): 46.20	<b>Murban</b> Country: UAE Output (b/d): 1,584,000 Sulfur (%): 0.79 SG (%): 40.20	<b>Arab Extra Light</b> Country: Saudi Arabia Output (b/d): 1,527,000 Sulfur (%): 1.00 SG (%): 39.21	<b>Qatar Land</b> Country: Qatar Output (b/d): 168,000 Sulfur (%): 1.22 SG (%): 41.30	<b>Iranian Light</b> Country: Iran Output (b/d): 1,898,000 Sulfur (%): 1.46 SG (%): 33.60	<b>Lavan</b> Country: Iran Output (b/d): 41,000 Sulfur (%): 1.93 SG (%): 34.00	<b>Kirkuk</b> Country: Iraq Output (b/d): 300,000 Sulfur (%): 2.23 SG (%): 34.30	<b>Kuwait Export Crude</b> Country: Kuwait Output (b/d): 2,000,000 Sulfur (%): 2.52 SG (%): 31.00	<b>Basrah Heavy</b> Country: Iraq Output (b/d): 840,000 Sulfur (%): 4.20 SG (%): 23.55	<b>North West Shelf Condensate</b> Country: Australia Output (b/d): 161,000 Sulfur (%): 0.01 SG (%): 63.00	<b>Agbami</b> Country: Nigeria Output (b/d): 235,000 Sulfur (%): 0.04 SG (%): 47.88	<b>El Sharara</b> Country: Libya Output (b/d): 250,000 Sulfur (%): 0.09 SG (%): 42.20	<b>Agadem</b> Country: Niger Output (b/d): 22,000 Sulfur (%): 0.10 SG (%): 37.40	<b>Bombay High</b> Country: India Output (b/d): 300,000 Sulfur (%): 0.17 SG (%): 39.30	<b>Ekofisk</b> Country: Norway Output (b/d): 192,000 Sulfur (%): 0.19 SG (%): 38.50	<b>Qatari Deodorized Field Condensate</b> Country: Qatar Output (b/d): 869,000 Sulfur (%): 0.26 SG (%): 57.00	<b>Light Louisiana Sweet</b> Country: US Output (b/d): 239,000 Sulfur (%): 0.33 SG (%): 36.67	<b>Brent-Ninian Blend</b> Country: UK Output (b/d): 120,000 Sulfur (%): 0.40 SG (%): 37.50	<b>Hibernia</b> Country: Canada Output (b/d): 113,000 Sulfur (%): 0.53 SG (%): 33.00	<b>Forties</b> Country: UK Output (b/d): 450,000 Sulfur (%): 0.54 SG (%): 37.31	<b>Hungo</b> Country: Angola Output (b/d): 70,000 Sulfur (%): 0.64 SG (%): 28.30	<b>Das Blend</b> Country: UAE Output (b/d): 672,000 Sulfur (%): 1.11 SG (%): 39.20	<b>Urals</b> Country: Russia Output (b/d): 3,151,000 Sulfur (%): 1.25 SG (%): 31.30	<b>Gulf of Mexico Poseidon</b> Country: US Output (b/d): 65,000 Sulfur (%): 1.67 SG (%): 31.50	<b>Upper Zakum</b> Country: UAE Output (b/d): 730,000 Sulfur (%): 1.84 SG (%): 33.90	<b>Dubai (Fateh)</b> Country: UAE Output (b/d): 50,000 Sulfur (%): 2.13 SG (%): 30.40	<b>Arab Medium</b> Country: Saudi Arabia Output (b/d): 1,257,000 Sulfur (%): 2.54 SG (%): 30.90	<b>Kearl Lake</b> Country: Canada Output (b/d): 220,000 Sulfur (%): 3.89 SG (%): 21.30	<b>Eagle Ford Condensate</b> Country: US Output (b/d): 221,000 Sulfur (%): 0.04 SG (%): 55.00	<b>Permian 44</b> Country: US Output (b/d): 1,692,000 Sulfur (%): 0.05 SG (%): 44.00	<b>Permian 35</b> Country: US Output (b/d): 1,081,000 Sulfur (%): 0.05 SG (%): 35.00	<b>Qua Iboe</b> Country: Nigeria Output (b/d): 300,000 Sulfur (%): 0.13 SG (%): 36.00	<b>Azeri Light</b> Country: Azerbaijan Output (b/d): 650,000 Sulfur (%): 0.14 SG (%): 35.01	<b>Jubilee</b> Country: Ghana Output (b/d): 119,000 Sulfur (%): 0.25 SG (%): 37.60	<b>Dragon</b> Country: Turkmenistan Output (b/d): 160,000 Sulfur (%): 0.29 SG (%): 33.00	<b>Plutonio</b> Country: Angola Output (b/d): 90,000 Sulfur (%): 0.37 SG (%): 33.20	<b>Kole</b> Country: Cameroon Output (b/d): 30,000 Sulfur (%): 0.37 SG (%): 31.70	<b>Medanito</b> Country: Argentina Output (b/d): 180,000 Sulfur (%): 0.47 SG (%): 32.90	<b>Siberian Light</b> Country: Russia Output (b/d): 664,000 Sulfur (%): 0.57 SG (%): 35.10	<b>Grane</b> Country: Norway Output (b/d): 110,000 Sulfur (%): 0.7 SG (%): 25.74	<b>Olmeca</b> Country: Mexico Output (b/d): 188,000 Sulfur (%): 0.89 SG (%): 38.70	<b>Oman</b> Country: Oman Output (b/d): 870,000 Sulfur (%): 1.38 SG (%): 30.50	<b>Suez Blend</b> Country: Egypt Output (b/d): 159,000 Sulfur (%): 1.64 SG (%): 29.90	<b>Arab Light</b> Country: Saudi Arabia Output (b/d): 5,502,000 Sulfur (%): 1.96 SG (%): 33.30	<b>Al Shaheen</b> Country: Qatar Output (b/d): 275,000 Sulfur (%): 2.37 SG (%): 28.06	<b>Basrah Light</b> Country: Iraq Output (b/d): 3,057,000 Sulfur (%): 3.16 SG (%): 28.80	<b>West Canadian Select</b> Country: Canada Output (b/d): 1,600,000 Sulfur (%): 3.59 SG (%): 20.90	<b>Alba Condensate</b> Country: Eq. Guinea Output (b/d): 28,000 Sulfur (%): 0.02 SG (%): 51.70	<b>N'Kossa Blend</b> Country: Rep. of Congo Output (b/d): 60,000 Sulfur (%): 0.04 SG (%): 42.40	<b>Seria</b> Country: Brunei Output (b/d): 50,000 Sulfur (%): 0.09 SG (%): 34.50	<b>Cabinda</b> Country: Angola Output (b/d): 180,000 Sulfur (%): 0.12 SG (%): 32.62	<b>Erha</b> Country: Nigeria Output (b/d): 120,000 Sulfur (%): 0.16 SG (%): 34.80	<b>Bonny Light</b> Country: Nigeria Output (b/d): 225,000 Sulfur (%): 0.18 SG (%): 32.75	<b>Zafiro</b> Country: Eq. Guinea Output (b/d): 60,000 Sulfur (%): 0.25 SG (%): 30.90	<b>White Rose</b> Country: Canada Output (b/d): 25,000 Sulfur (%): 0.31 SG (%): 30.00	<b>Girassol</b> Country: Angola Output (b/d): 130,000 Sulfur (%): 0.42 SG (%): 29.70	<b>Schiehallion</b> Country: UK Output (b/d): 110,000 Sulfur (%): 0.44 SG (%): 24.90	<b>East Siberia ESPO</b> Country: Russia Output (b/d): 920,000 Sulfur (%): 0.55 SG (%): 34.70	<b>Vasconia</b> Country: Colombia Output (b/d): 392,000 Sulfur (%): 0.83 SG (%): 24.27	<b>Thunder Horse</b> Country: US Output (b/d): 152,000 Sulfur (%): 0.90 SG (%): 32.30	<b>Cuban Heavy</b> Country: Cuba Output (b/d): 50,000 Sulfur (%): 1.38 SG (%): 28.80	<b>Iranian Heavy</b> Country: Iran Output (b/d): 744,000 Sulfur (%): 1.77 SG (%): 29.50	<b>Mars</b> Country: US Output (b/d): 433,000 Sulfur (%): 1.82 SG (%): 29.99	<b>Ras Gharib</b> Country: Egypt Output (b/d): 150,000 Sulfur (%): 2.50 SG (%): 24.00	<b>Arab Heavy</b> Country: Saudi Arabia Output (b/d): 1,985,000 Sulfur (%): 2.75 SG (%): 27.80	<b>Soroosh</b> Country: Iran Output (b/d): 54,000 Sulfur (%): 3.38 SG (%): 19.20	<b>Arab Super Light</b> Country: Saudi Arabia Output (b/d): 111,000 Sulfur (%): 0.04 SG (%): 50.60	<b>Bach Ho</b> Country: Vietnam Output (b/d): 247,000 Sulfur (%): 0.04 SG (%): 38.60	<b>Rabi Light</b> Country: Gabon Output (b/d): 35,000 Sulfur (%): 0.07 SG (%): 33.42	<b>Daqing</b> Country: China Output (b/d): 677,000 Sulfur (%): 0.11 SG (%): 32.30	<b>Coco</b> Country: DRC Output (b/d): 20,000 Sulfur (%): 0.14 SG (%): 30.68	<b>Canadon Seco</b> Country: Argentina Output (b/d): 117,000 Sulfur (%): 0.2 SG (%): 26.30	<b>Forcados</b> Country: Nigeria Output (b/d): 242,000 Sulfur (%): 0.23 SG (%): 30.30	<b>Djeno</b> Country: Rep. of Congo Output (b/d): 280,000 Sulfur (%): 0.34 SG (%): 27.60	<b>Pazflor</b> Country: Angola Output (b/d): 120,000 Sulfur (%): 0.41 SG (%): 25.60	<b>Clair</b> Country: UK Output (b/d): 40,000 Sulfur (%): 0.47 SG (%): 23.60	<b>Roncador Heavy</b> Country: Brazil Output (b/d): 150,000 Sulfur (%): 0.61 SG (%): 22.80	<b>Captain</b> Country: UK Output (b/d): 26,000 Sulfur (%): 0.70 SG (%): 19.20	<b>Shengli</b> Country: China Output (b/d): 450,000 Sulfur (%): 0.84 SG (%): 24.20	<b>Alba</b> Country: UK Output (b/d): 20,000 Sulfur (%): 1.26 SG (%): 19.60	<b>Oriente</b> Country: Ecuador Output (b/d): 268,000 Sulfur (%): 1.63 SG (%): 23.31	<b>Venezuela Medium (25-30)</b> Country: Venezuela Output (b/d): 180,000 Sulfur (%): 1.85 SG (%): 27.00	<b>Maya</b> Country: Mexico Output (b/d): 1,093,000 Sulfur (%): 3.33 SG (%): 21.80	<b>Mississippi</b> Country: United States Output (b/d): 50,000 Sulfur (%): 2.95 SG (%): 27.60	<b>DCO 16</b> Country: Venezuela Output (b/d): 166,000 Sulfur (%): 4.10 SG (%): 16.00	<b>Tapis</b> Country: Malaysia Output (b/d): 30,000 Sulfur (%): 0.03 SG (%): 44.60	<b>Van Gogh</b> Country: Australia Output (b/d): 46,000 Sulfur (%): 0.04 SG (%): 16.70	<b>Doba</b> Country: Chad Output (b/d): 150,000 Sulfur (%): 0.09 SG (%): 21.40	<b>Dar Blend</b> Country: South Sudan Output (b/d): 120,000 Sulfur (%): 0.12 SG (%): 24.99	<b>Champion</b> Country: Brunei Output (b/d): 35,000 Sulfur (%): 0.13 SG (%): 26.90	<b>Escalante</b> Country: Argentina Output (b/d): 70,000 Sulfur (%): 0.19 SG (%): 24.10	<b>Qinghuangdao</b> Country: China Output (b/d): 256,000 Sulfur (%): 0.28 SG (%): 16.50	<b>Bozhong</b> Country: China Output (b/d): 45,000 Sulfur (%): 0.29 SG (%): 16.90	<b>Ebok</b> Country: Nigeria Output (b/d): 25,000 Sulfur (%): 0.40 SG (%): 19.80	<b>Dalia</b> Country: Angola Output (b/d): 175,000 Sulfur (%): 0.51 SG (%): 23.20	<b>Jubarte</b> Country: Brazil Output (b/d): 150,000 Sulfur (%): 0.56 SG (%): 17.10	<b>Kraken</b> Country: UK Output (b/d): 30,000 Sulfur (%): 0.70 SG (%): 14.00	<b>Loreto</b> Country: Peru Output (b/d): 49,000 Sulfur (%): 0.87 SG (%): 23.30	<b>Rubiales</b> Country: Colombia Output (b/d): 235,000 Sulfur (%): 1.33 SG (%): 12.70	<b>Castilla Blend</b> Country: Colombia Output (b/d): 352,449 Sulfur (%): 1.41 SG (%): 17.45	<b>Venezuela Heavy (21-25)</b> Country: Venezuela Output (b/d): 325,000 Sulfur (%): 2.50 SG (%): 16.00	<b>Napo</b> Country: Ecuador Output (b/d): 184,000 Sulfur (%): 1.96 SG (%): 19.00	<b>Venezuela Heavy (11-20)</b> Country: Venezuela Output (b/d): 162,000 Sulfur (%): 1.85 SG (%): 23.50	<b>Sqepuri</b> Country: Albania Output (b/d): 25,000 Sulfur (%): 3.50 SG (%): 9.00



**Light sweets** generally trade at a premium to Platts Dated Brent due to their strong yields of gasoline and middle distillates. Some condensates are priced at a slight discount to Platts Dated Brent because of their naphtha-rich content.

**Medium sweets** are attractive for simple and complex refineries due to their high middle distillate yields. They are often priced at a premium to Platts Dated Brent.

**Heavy sweets** traditionally price at a discount to Platts Dated Brent but their appeal has broadened. Their value has increased ahead of the IMO 2020 sulfur cap.

**Light sour**s boast a high fuel oil and gasoil content but are also very low in sulfur. They normally trade at a slight premium to Platts Dubai sour benchmark.

**Medium sour**s form the staple diet of complex refineries. They generally trade at a discount to Platts Dated Brent, but recently prices have strengthened due to the supply tightness.

**Heavy sour**s are popular in complex refineries. They can be difficult to refine due to their high sulfur content. They are priced at a significant discount to light crude benchmarks such as Platts Dated Brent, or NYMEX light sweet crude futures.