LME Valuation - Copper

Cash - 3M: **28.25c**

Date: **2019-12-09**

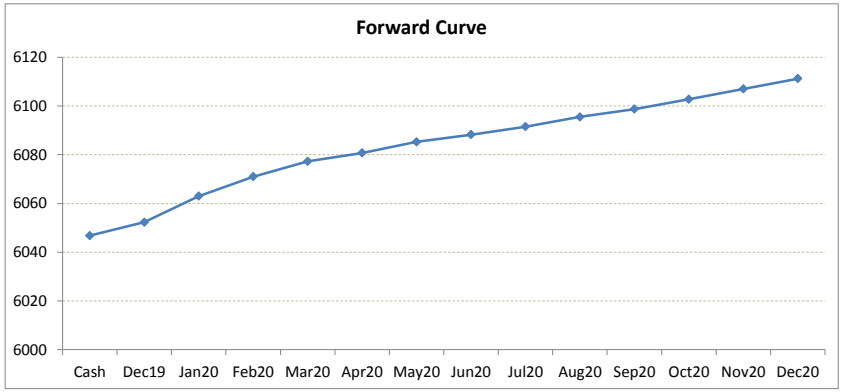
Cash	**6046.75**
3M	**6075.00**
Dec19	6052.25
Jan20	6063.00
Feb20	6071.00
Mar20	6077.25
Apr20	6080.75
May20	6085.25
Jun20	6088.25
Jul20	6091.50
Aug20	6095.50
Sep20	6098.75
Oct20	6102.75
Nov20	6107.00
Dec20	6111.25

	Cash-Dec19	Cash-Jan20	Cash-Feb20	Cash-Mar20	Cash-Apr20	Cash-May20	Cash-Jun20	Cash-Jul20	Cash-Aug20	Cash-Sep20	Cash-Oct20	Cash-Nov20
Cash	5.50c	16.25c	24.25c	30.50c	34.00c	38.50c	41.50c	44.75c	48.75c	52.00c	56.00c	60.25c

	Dec19-3M	Jan20-3M	Feb20-3M	3M-Mar20	3M-Apr20	3M-May20	3M-Jun20	3M-Jul20	3M-Aug20	3M-Sep20	3M-Oct20	3M-Nov20
3M	22.75c	12.00c	4.00c	2.25c	5.75c	10.25c	13.25c	16.50c	20.50c	23.75c	27.75c	32.00c

	Dec19-Jan20	Jan20-Feb20	Feb20-Mar20	Mar20-Apr20	Apr20-May20	May20-Jun20	Jun20-Jul20	Jul20-Aug20	Aug20-Sep20	Sep20-Oct20	Oct20-Nov20	Nov20-Dec20
3rd wed	10.75c	8.00c	6.25c	3.50c	4.50c	3.00c	3.25c	4.00c	3.25c	4.00c	4.25c	4.25c

	Jan20	Feb20	Mar20	Apr20	May20	Jun20	Jul20	Aug20	Sep20	Oct20	Nov20	Dec20
Dec19	10.75c	18.75c	25.00c	28.50c	33.00c	36.00c	39.25c	43.25c	46.50c	50.50c	54.75c	59.00c
Jan20		8.00c	14.25c	17.75c	22.25c	25.25c	28.50c	32.50c	35.75c	39.75c	44.00c	48.25c
Feb20			6.25c	9.75c	14.25c	17.25c	20.50c	24.50c	27.75c	31.75c	36.00c	40.25c
Mar20				3.50c	8.00c	11.00c	14.25c	18.25c	21.50c	25.50c	29.75c	34.00c
Apr20					4.50c	7.50c	10.75c	14.75c	18.00c	22.00c	26.25c	30.50c
May20						3.00c	6.25c	10.25c	13.50c	17.50c	21.75c	26.00c
Jun20							3.25c	7.25c	10.50c	14.50c	18.75c	23.00c
Jul20								4.00c	7.25c	11.25c	15.50c	19.75c
Aug20									3.25c	7.25c	11.50c	15.75c
Sep20										4.00c	8.25c	12.50c
Oct20											4.25c	8.50c
Nov20												4.25c
Dec20												



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** Source: Reuters

NH선물

LME Valuation - Aluminium

Cash - 3M: 3.00b

Date: 2019-12-09

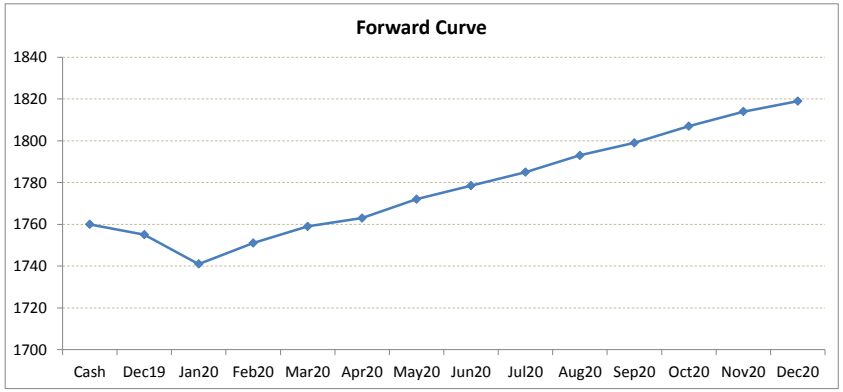
Cash	**1760.00**
3M	**1757.00**
Dec19	**1755.00**
Jan20	**1741.00**
Feb20	**1751.00**
Mar20	**1759.00**
Apr20	**1763.00**
May20	**1772.00**
Jun20	**1778.50**
Jul20	**1785.00**
Aug20	**1793.00**
Sep20	**1799.00**
Oct20	**1807.00**
Nov20	**1814.00**
Dec20	**1819.00**

	Cash-Dec19	Cash-Jan20	Cash-Feb20	Cash-Mar20	Cash-Apr20	Cash-May20	Cash-Jun20	Cash-Jul20	Cash-Aug20	Cash-Sep20	Cash-Oct20	Cash-Nov20
Cash	5.00b	19.00b	9.00b	1.00b	3.00c	12.00c	18.50c	25.00c	33.00c	39.00c	47.00c	54.00c

	Dec19-3M	Jan20-3M	Feb20-3M	3M-Mar20	3M-Apr20	3M-May20	3M-Jun20	3M-Jul20	3M-Aug20	3M-Sep20	3M-Oct20	3M-Nov20
3M	2.00c	16.00c	6.00c	2.00c	6.00c	15.00c	21.50c	28.00c	36.00c	42.00c	50.00c	57.00c

	Dec19-Jan20	Jan20-Feb20	Feb20-Mar20	Mar20-Apr20	Apr20-May20	May20-Jun20	Jun20-Jul20	Jul20-Aug20	Aug20-Sep20	Sep20-Oct20	Oct20-Nov20	Nov20-Dec20
3rd wed	14.00b	10.00c	8.00c	4.00c	9.00c	6.50c	6.50c	8.00c	6.00c	8.00c	7.00c	5.00c

	Jan20	Feb20	Mar20	Apr20	May20	Jun20	Jul20	Aug20	Sep20	Oct20	Nov20	Dec20
Dec19	14.00b	4.00b	4.00c	8.00c	17.00c	23.50c	30.00c	38.00c	44.00c	52.00c	59.00c	64.00c
Jan20		10.00c	18.00c	22.00c	31.00c	37.50c	44.00c	52.00c	58.00c	66.00c	73.00c	78.00c
Feb20			8.00c	12.00c	21.00c	27.50c	34.00c	42.00c	48.00c	56.00c	63.00c	68.00c
Mar20				4.00c	13.00c	19.50c	26.00c	34.00c	40.00c	48.00c	55.00c	60.00c
Apr20					9.00c	15.50c	22.00c	30.00c	36.00c	44.00c	51.00c	56.00c
May20						6.50c	13.00c	21.00c	27.00c	35.00c	42.00c	47.00c
Jun20							6.50c	14.50c	20.50c	28.50c	35.50c	40.50c
Jul20								8.00c	14.00c	22.00c	29.00c	34.00c
Aug20									6.00c	14.00c	21.00c	26.00c
Sep20										8.00c	15.00c	20.00c
Oct20											7.00c	12.00c
Nov20												5.00c
Dec20												



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** Source: Reuters

NH선물

LME Valuation - Nickel

Cash - 3M: **62.00c**

Date: **2019-12-09**

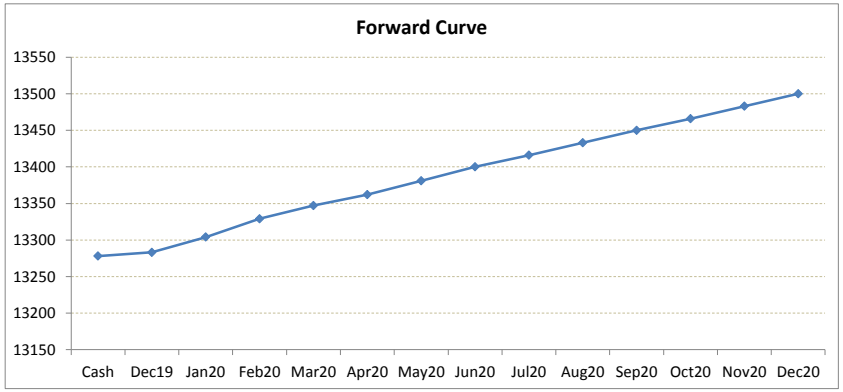
Cash	**13278.00**
3M	**13340.00**
Dec19	**13283.00**
Jan20	**13304.00**
Feb20	**13329.00**
Mar20	**13347.00**
Apr20	**13362.00**
May20	**13381.00**
Jun20	**13400.00**
Jul20	**13416.00**
Aug20	**13433.00**
Sep20	**13450.00**
Oct20	**13466.00**
Nov20	**13483.00**
Dec20	**13500.00**

	Cash-Dec19	Cash-Jan20	Cash-Feb20	Cash-Mar20	Cash-Apr20	Cash-May20	Cash-Jun20	Cash-Jul20	Cash-Aug20	Cash-Sep20	Cash-Oct20	Cash-Nov20
Cash	5.00c	26.00c	51.00c	69.00c	84.00c	103.00c	122.00c	138.00c	155.00c	172.00c	188.00c	205.00c

	Dec19-3M	Jan20-3M	Feb20-3M	3M-Mar20	3M-Apr20	3M-May20	3M-Jun20	3M-Jul20	3M-Aug20	3M-Sep20	3M-Oct20	3M-Nov20
3M	57.00c	36.00c	11.00c	7.00c	22.00c	41.00c	60.00c	76.00c	93.00c	110.00c	126.00c	143.00c

	Dec19-Jan20	Jan20-Feb20	Feb20-Mar20	Mar20-Apr20	Apr20-May20	May20-Jun20	Jun20-Jul20	Jul20-Aug20	Aug20-Sep20	Sep20-Oct20	Oct20-Nov20	Nov20-Dec20
3rd wed	21.00c	25.00c	18.00c	15.00c	19.00c	19.00c	16.00c	17.00c	17.00c	16.00c	17.00c	17.00c

	Jan20	Feb20	Mar20	Apr20	May20	Jun20	Jul20	Aug20	Sep20	Oct20	Nov20	Dec20
Dec19	21.00c	46.00c	64.00c	79.00c	98.00c	117.00c	133.00c	150.00c	167.00c	183.00c	200.00c	217.00c
Jan20		25.00c	43.00c	58.00c	77.00c	96.00c	112.00c	129.00c	146.00c	162.00c	179.00c	196.00c
Feb20			18.00c	33.00c	52.00c	71.00c	87.00c	104.00c	121.00c	137.00c	154.00c	171.00c
Mar20				15.00c	34.00c	53.00c	69.00c	86.00c	103.00c	119.00c	136.00c	153.00c
Apr20					19.00c	38.00c	54.00c	71.00c	88.00c	104.00c	121.00c	138.00c
May20						19.00c	35.00c	52.00c	69.00c	85.00c	102.00c	119.00c
Jun20							16.00c	33.00c	50.00c	66.00c	83.00c	100.00c
Jul20								17.00c	34.00c	50.00c	67.00c	84.00c
Aug20									17.00c	33.00c	50.00c	67.00c
Sep20										16.00c	33.00c	50.00c
Oct20											17.00c	34.00c
Nov20												17.00c
Dec20												



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** Source: Reuters

NH선물

LME Valuation - Zinc

Cash - 3M: 2.00b

Date: 2019-12-09

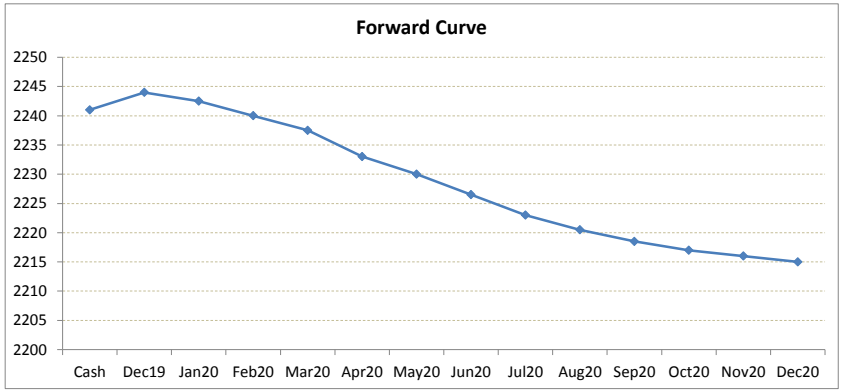
Cash	**2241.00**
3M	**2239.00**
Dec19	**2244.00**
Jan20	**2242.50**
Feb20	**2240.00**
Mar20	**2237.50**
Apr20	**2233.00**
May20	**2230.00**
Jun20	**2226.50**
Jul20	**2223.00**
Aug20	**2220.50**
Sep20	**2218.50**
Oct20	**2217.00**
Nov20	**2216.00**
Dec20	**2215.00**

	Cash-Dec19	Cash-Jan20	Cash-Feb20	Cash-Mar20	Cash-Apr20	Cash-May20	Cash-Jun20	Cash-Jul20	Cash-Aug20	Cash-Sep20	Cash-Oct20	Cash-Nov20
Cash	3.00c	1.50c	1.00b	3.50b	8.00b	11.00b	14.50b	18.00b	20.50b	22.50b	24.00b	25.00b

	Dec19-3M	Jan20-3M	Feb20-3M	3M-Mar20	3M-Apr20	3M-May20	3M-Jun20	3M-Jul20	3M-Aug20	3M-Sep20	3M-Oct20	3M-Nov20
3M	5.00b	3.50b	1.00b	1.50b	6.00b	9.00b	12.50b	16.00b	18.50b	20.50b	22.00b	23.00b

	Dec19-Jan20	Jan20-Feb20	Feb20-Mar20	Mar20-Apr20	Apr20-May20	May20-Jun20	Jun20-Jul20	Jul20-Aug20	Aug20-Sep20	Sep20-Oct20	Oct20-Nov20	Nov20-Dec20
3rd wed	1.50b	2.50b	2.50b	4.50b	3.00b	3.50b	3.50b	2.50b	2.00b	1.50b	1.00b	1.00b

	Jan20	Feb20	Mar20	Apr20	May20	Jun20	Jul20	Aug20	Sep20	Oct20	Nov20	Dec20
Dec19	1.50b	4.00b	6.50b	11.00b	14.00b	17.50b	21.00b	23.50b	25.50b	27.00b	28.00b	29.00b
Jan20		2.50b	5.00b	9.50b	12.50b	16.00b	19.50b	22.00b	24.00b	25.50b	26.50b	27.50b
Feb20			2.50b	7.00b	10.00b	13.50b	17.00b	19.50b	21.50b	23.00b	24.00b	25.00b
Mar20				4.50b	7.50b	11.00b	14.50b	17.00b	19.00b	20.50b	21.50b	22.50b
Apr20					3.00b	6.50b	10.00b	12.50b	14.50b	16.00b	17.00b	18.00b
May20						3.50b	7.00b	9.50b	11.50b	13.00b	14.00b	15.00b
Jun20							3.50b	6.00b	8.00b	9.50b	10.50b	11.50b
Jul20								2.50b	4.50b	6.00b	7.00b	8.00b
Aug20									2.00b	3.50b	4.50b	5.50b
Sep20										1.50b	2.50b	3.50b
Oct20											1.00b	2.00b
Nov20												1.00b
Dec20												



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** Source: Reuters

NH선물

LME Valuation - Lead

Cash - 3M: **16.50c**

Date: **2019-12-09**

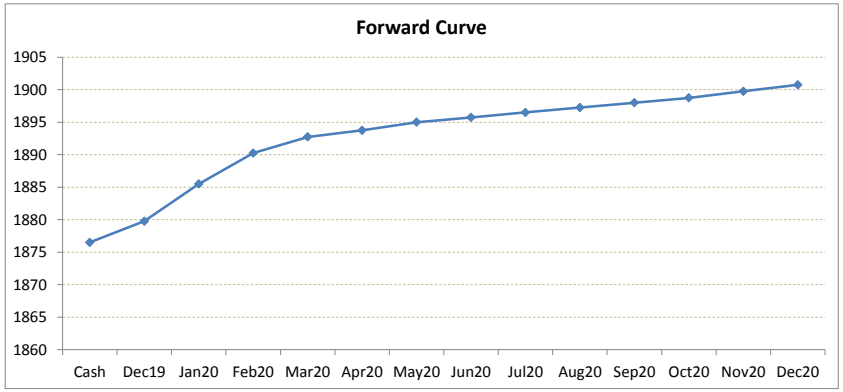
Cash	**1876.50**
3M	**1893.00**
Dec19	**1879.75**
Jan20	**1885.50**
Feb20	**1890.25**
Mar20	**1892.75**
Apr20	**1893.75**
May20	**1895.00**
Jun20	**1895.75**
Jul20	**1896.50**
Aug20	**1897.25**
Sep20	**1898.00**
Oct20	**1898.75**
Nov20	**1899.75**
Dec20	**1900.75**

	Cash-Dec19	Cash-Jan20	Cash-Feb20	Cash-Mar20	Cash-Apr20	Cash-May20	Cash-Jun20	Cash-Jul20	Cash-Aug20	Cash-Sep20	Cash-Oct20	Cash-Nov20
Cash	3.25c	9.00c	13.75c	16.25c	17.25c	18.50c	19.25c	20.00c	20.75c	21.50c	22.25c	23.25c

	Dec19-3M	Jan20-3M	Feb20-3M	3M-Mar20	3M-Apr20	3M-May20	3M-Jun20	3M-Jul20	3M-Aug20	3M-Sep20	3M-Oct20	3M-Nov20
3M	13.25c	7.50c	2.75c	0.25b	0.75c	2.00c	2.75c	3.50c	4.25c	5.00c	5.75c	6.75c

	Dec19-Jan20	Jan20-Feb20	Feb20-Mar20	Mar20-Apr20	Apr20-May20	May20-Jun20	Jun20-Jul20	Jul20-Aug20	Aug20-Sep20	Sep20-Oct20	Oct20-Nov20	Nov20-Dec20
3rd wed	5.75c	4.75c	2.50c	1.00c	1.25c	0.75c	0.75c	0.75c	0.75c	0.75c	1.00c	1.00c

	Jan20	Feb20	Mar20	Apr20	May20	Jun20	Jul20	Aug20	Sep20	Oct20	Nov20	Dec20
Dec19	5.75c	10.50c	13.00c	14.00c	15.25c	16.00c	16.75c	17.50c	18.25c	19.00c	20.00c	21.00c
Jan20		4.75c	7.25c	8.25c	9.50c	10.25c	11.00c	11.75c	12.50c	13.25c	14.25c	15.25c
Feb20			2.50c	3.50c	4.75c	5.50c	6.25c	7.00c	7.75c	8.50c	9.50c	10.50c
Mar20				1.00c	2.25c	3.00c	3.75c	4.50c	5.25c	6.00c	7.00c	8.00c
Apr20					1.25c	2.00c	2.75c	3.50c	4.25c	5.00c	6.00c	7.00c
May20						0.75c	1.50c	2.25c	3.00c	3.75c	4.75c	5.75c
Jun20							0.75c	1.50c	2.25c	3.00c	4.00c	5.00c
Jul20								0.75c	1.50c	2.25c	3.25c	4.25c
Aug20									0.75c	1.50c	2.50c	3.50c
Sep20										0.75c	1.75c	2.75c
Oct20											1.00c	2.00c
Nov20												1.00c
Dec20												



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** Source: Reuters

NH선물

LME Valuation - Tin

Cash - 3M: 45.00b

Date: 2019-12-09

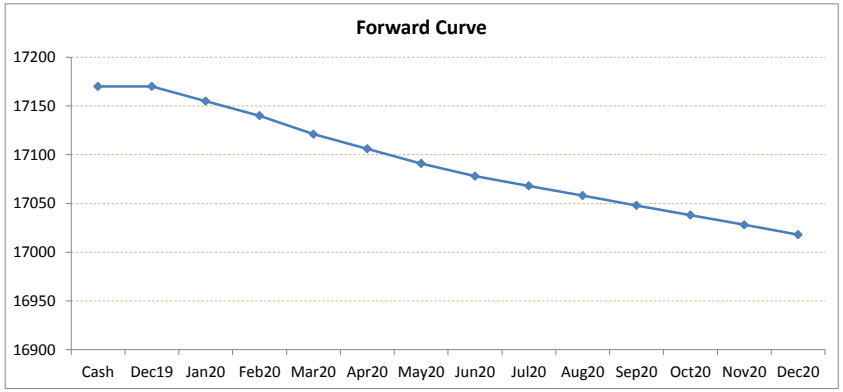
Cash	**17170.00**
3M	**17125.00**
Dec19	**17170.00**
Jan20	**17155.00**
Feb20	**17140.00**
Mar20	**17121.00**
Apr20	**17106.00**
May20	**17091.00**
Jun20	**17078.00**
Jul20	**17068.00**
Aug20	**17058.00**
Sep20	**17048.00**
Oct20	**17038.00**
Nov20	**17028.00**
Dec20	**17018.00**

	Cash-Dec19	Cash-Jan20	Cash-Feb20	Cash-Mar20	Cash-Apr20	Cash-May20	Cash-Jun20	Cash-Jul20	Cash-Aug20	Cash-Sep20	Cash-Oct20	Cash-Nov20
Cash	0.00b	15.00b	30.00b	49.00b	64.00b	79.00b	92.00b	102.00b	112.00b	122.00b	132.00b	142.00b

	Dec19-3M	Jan20-3M	Feb20-3M	3M-Mar20	3M-Apr20	3M-May20	3M-Jun20	3M-Jul20	3M-Aug20	3M-Sep20	3M-Oct20	3M-Nov20
3M	45.00b	30.00b	15.00b	4.00b	19.00b	34.00b	47.00b	57.00b	67.00b	77.00b	87.00b	97.00b

	Dec19-Jan20	Jan20-Feb20	Feb20-Mar20	Mar20-Apr20	Apr20-May20	May20-Jun20	Jun20-Jul20	Jul20-Aug20	Aug20-Sep20	Sep20-Oct20	Oct20-Nov20	Nov20-Dec20
3rd wed	15.00b	15.00b	19.00b	15.00b	15.00b	13.00b	10.00b	10.00b	10.00b	10.00b	10.00b	10.00b

	Jan20	Feb20	Mar20	Apr20	May20	Jun20	Jul20	Aug20	Sep20	Oct20	Nov20	Dec20
Dec19	15.00b	30.00b	49.00b	64.00b	79.00b	92.00b	102.00b	112.00b	122.00b	132.00b	142.00b	152.00b
Jan20		15.00b	34.00b	49.00b	64.00b	77.00b	87.00b	97.00b	107.00b	117.00b	127.00b	137.00b
Feb20			19.00b	34.00b	49.00b	62.00b	72.00b	82.00b	92.00b	102.00b	112.00b	122.00b
Mar20				15.00b	30.00b	43.00b	53.00b	63.00b	73.00b	83.00b	93.00b	103.00b
Apr20					15.00b	28.00b	38.00b	48.00b	58.00b	68.00b	78.00b	88.00b
May20						13.00b	23.00b	33.00b	43.00b	53.00b	63.00b	73.00b
Jun20							10.00b	20.00b	30.00b	40.00b	50.00b	60.00b
Jul20								10.00b	20.00b	30.00b	40.00b	50.00b
Aug20									10.00b	20.00b	30.00b	40.00b
Sep20										10.00b	20.00b	30.00b
Oct20											10.00b	20.00b
Nov20												10.00b
Dec20												



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** Source: Reuters

NH선물