

How future price works

Future price will show the weighted average of open long derivatives .

For eg:

Create few long derivative

Buy	10	155	Sep-18
Buy	20	153	Sep 18
Sell	20	157	Sep 18

if we need to check average cost for the month of Sep-18 then Open Roll Cost screen and check the average of future long for the month of Sep - 18

In the above case $((155*10)+(20*153))/30$ and the Average Long price Should be 153.66

Roll Cost

Load Export Clear Close

Details

From To

+ Insert Export View Filter (F3)

Market	Commodity	Future Month	Avg Long Open Price	Avg Long Historical P	Avg Long	RollCost	
Market :CBOT Corn							
<input type="checkbox"/>	CBOT Corn	Corn	Dec 15	3.92	3.92	3.92	0.00
<input type="checkbox"/>	CBOT Corn	Corn	Jul 16	4.50	4.50	4.50	0.00
<input type="checkbox"/>	CBOT Corn	Corn	Mar 17	0.00	0.00	0.00	0.00
<input type="checkbox"/>	CBOT Corn	Corn	May 17	3.75	3.75	3.75	0.00
<input type="checkbox"/>	CBOT Corn	Corn	Jul 17	0.00	0.00	0.00	0.00
<input type="checkbox"/>	CBOT Corn	Corn	Dec 17	3.80	3.85	3.86	-0.01
<input type="checkbox"/>	CBOT Corn	Corn	Mar 18	0.00	3.66	3.66	0.00
<input type="checkbox"/>	CBOT Corn	Corn	Dec 18	5.00	5.00	5.00	0.00
Market :CME Soybeans							
<input type="checkbox"/>	CME Soybeans	Soybeans	Jan 16	9.76	9.76	9.76	0.00
<input type="checkbox"/>	CME Soybeans	Soybeans	Jan 17	9.77	9.77	9.77	0.00
<input type="checkbox"/>	CME Soybeans	Soybeans	Mar 17	9.77	9.77	9.77	0.00
<input type="checkbox"/>	CME Soybeans	Soybeans	Mar 17	9.77	9.77	9.77	0.00

Weighted average will not consider the matched long. If there is balance qty for the buy after matching then the average will consider the balance qty for the weighted average.

We can see the historical average price for a given month

How Long historical price works.

Create a Long trade for future month

Create a Short future trade against the same and give the roll month

5		Sep		RM	Calc
6	Buy	10	160		1600
7	Sell	10	158 Dec		1580

		Dec		RM	
Buy	10	172 Dec			

Create a Long position for the next future month

Match the buy and sell

- To check the original spent against the Long -, We should consider only the open balance of Long trade.

, $((172*10*37500)/100=645000$ should be the original spent .

-To Find the P&L

Sell- Buy for the matched roll month . in this case

$((158*10)-(160*10))/10*10*37500/100= -7500$

-To find the Find the adjusted spent

- If P&L is -ve then Original spent + P&L
- If P&L is positive then the Original spent - P&L
 $645000+7500=652500$
- To find the adjusted price:
 $(\text{Adjusted spent} / \text{matched qty} / 37500)*100$
 $(652500/10/37500)*100=174$