

Basis & hedging

Scenario:
(On 4/9)

you want 10,000 bu of corn in July
in Elizabeth City NC. current prices

Buy 2 July corn contracts. @ \$3.50

Fact: (convergence) In Chicago, at delivery in July $\text{spot price} = \text{price of July futures}$.

Suppose (assume): In July, spot corn price in E.C. = spot price in Chicago + \$0.20/bu.

Claim : On 4/9/20 in E.C., you can assure yourself a corn price of $\$3.50 + 0.20 = 3.70$

Proof Suppose, in July, spot Chicago price = \$3.80

Cash position : $-(\overbrace{3.80}^{\text{futures}} + .20) = -4.00$

futures position: $+ (3.80 - 3.50) = +.30$

Price you
sold futures
at in July

Price you
bought
futures
at in April.