Performance of Grain Marketing Strategies
Since MY 1989/90

- For Corn, Wheat & Soybeans
- Using Future & Options
  - Pre-harvest hedges for Harvest Sales
  - Post-harvest Storage Hedges
  - Put & Call Options
- Cash Grain Price Seasonality
- Grain Storage Profitability (On-Farm & Off-Farm)
Corn Futures Markets

CME DECEMBER Corn FUTURES & Pre-Harvest Futures Hedge Results
DEC Corn Futures Hedge Net Returns / bu
Monthly (1st Wednesdays): MY 1989/90 – 2015/16

<table>
<thead>
<tr>
<th>Months Prior to Contract Expiration</th>
<th>High</th>
<th>Average</th>
<th>50% (Middle)</th>
<th>Low$</th>
</tr>
</thead>
<tbody>
<tr>
<td>JAN</td>
<td>$0.17</td>
<td>$0.18</td>
<td>$0.23</td>
<td>$0.02</td>
</tr>
<tr>
<td>FEB</td>
<td>$0.26</td>
<td>$0.24</td>
<td>$0.21</td>
<td>$0.04</td>
</tr>
<tr>
<td>MARCH</td>
<td>$0.09</td>
<td>$0.11</td>
<td>$0.18</td>
<td>$0.04</td>
</tr>
<tr>
<td>APRIL</td>
<td>$0.04</td>
<td>$0.04</td>
<td>$0.07</td>
<td>$0.04</td>
</tr>
<tr>
<td>MAY</td>
<td>$0.02</td>
<td>$0.02</td>
<td>$0.02</td>
<td>$0.02</td>
</tr>
<tr>
<td>JUNE</td>
<td>$0.01</td>
<td>$0.01</td>
<td>$0.01</td>
<td>$0.01</td>
</tr>
<tr>
<td>JULY</td>
<td>$0.03</td>
<td>$0.03</td>
<td>$0.03</td>
<td>$0.03</td>
</tr>
<tr>
<td>AUGUST</td>
<td>$0.01</td>
<td>$0.01</td>
<td>$0.01</td>
<td>$0.01</td>
</tr>
<tr>
<td>SEPT</td>
<td>$0.01</td>
<td>$0.01</td>
<td>$0.01</td>
<td>$0.01</td>
</tr>
<tr>
<td>OCT</td>
<td>$0.01</td>
<td>$0.01</td>
<td>$0.01</td>
<td>$0.01</td>
</tr>
<tr>
<td>NOV</td>
<td>$0.01</td>
<td>$0.01</td>
<td>$0.01</td>
<td>$0.01</td>
</tr>
<tr>
<td>DEC</td>
<td>$0.01</td>
<td>$0.01</td>
<td>$0.01</td>
<td>$0.01</td>
</tr>
</tbody>
</table>

DEC Corn Futures: MY 2006/07-2015/16
Monthly (1st Wednesdays)

<table>
<thead>
<tr>
<th>Months Prior to Contract Expiration</th>
<th>High</th>
<th>Average</th>
<th>50% (Middle)</th>
<th>Low$</th>
</tr>
</thead>
<tbody>
<tr>
<td>JAN</td>
<td>$4.61</td>
<td>$4.59</td>
<td>$4.66</td>
<td>$4.25</td>
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<tr>
<td>FEB</td>
<td>$4.70</td>
<td>$4.70</td>
<td>$4.73</td>
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<td>MARCH</td>
<td>$4.70</td>
<td>$4.70</td>
<td>$4.73</td>
<td>$4.25</td>
</tr>
<tr>
<td>APRIL</td>
<td>$4.63</td>
<td>$4.64</td>
<td>$4.64</td>
<td>$4.25</td>
</tr>
<tr>
<td>MAY</td>
<td>$4.61</td>
<td>$4.61</td>
<td>$4.61</td>
<td>$4.25</td>
</tr>
<tr>
<td>JUNE</td>
<td>$4.52</td>
<td>$4.52</td>
<td>$4.52</td>
<td>$4.25</td>
</tr>
<tr>
<td>JULY</td>
<td>$4.59</td>
<td>$4.59</td>
<td>$4.59</td>
<td>$4.25</td>
</tr>
<tr>
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<td>$4.56</td>
<td>$4.56</td>
<td>$4.56</td>
<td>$4.25</td>
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<td>SEPT</td>
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<td>$4.53</td>
<td>$4.53</td>
<td>$4.25</td>
</tr>
<tr>
<td>OCT</td>
<td>$4.50</td>
<td>$4.50</td>
<td>$4.50</td>
<td>$4.25</td>
</tr>
<tr>
<td>NOV</td>
<td>$4.47</td>
<td>$4.47</td>
<td>$4.47</td>
<td>$4.25</td>
</tr>
<tr>
<td>DEC</td>
<td>$4.44</td>
<td>$4.44</td>
<td>$4.44</td>
<td>$4.25</td>
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</table>
CME MAY Corn Futures
& Post-Harvest Futures
Storage Hedge Results

MAY Corn Futures Hedge Net Returns /bu
Monthly (1st Wednesdays): MY 1989/90 - 2015/16

Net Return $/bu
Months Prior to Contract Expiration

- High
- Average
- 50% (Middle)
- Low$
JULY Corn Futures Hedge Net Returns /bu

Monthly (1st Wednesdays): MY 1989/90 – 2015/16

<table>
<thead>
<tr>
<th>Months Prior to Contract Expiration</th>
<th>Net Return $/bu</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUGUST</td>
<td>($0.02)</td>
</tr>
<tr>
<td>SEPT</td>
<td>($0.01)</td>
</tr>
<tr>
<td>OCT</td>
<td>($0.12)</td>
</tr>
<tr>
<td>NOV</td>
<td>($0.06)</td>
</tr>
<tr>
<td>DEC</td>
<td>($0.11)</td>
</tr>
<tr>
<td>JAN</td>
<td>($0.03)</td>
</tr>
<tr>
<td>FEB</td>
<td>($0.01)</td>
</tr>
<tr>
<td>MARCH</td>
<td>$0.05</td>
</tr>
<tr>
<td>APRIL</td>
<td>$0.08</td>
</tr>
<tr>
<td>MAY</td>
<td>$0.05</td>
</tr>
<tr>
<td>JUNE</td>
<td>$0.01</td>
</tr>
</tbody>
</table>

- **High**
- **Average**
- **50% (Middle)**
- **Low$**
JULY Corn Futures: MY 2006/07-2015/16
Monthly (1st Wednesdays)

Price $/bu

High
Average
50%
(Middle)
Low$

Net Return $/bu

High
Average
50%
(Middle)
Low$
**JULY Corn Futures Hedge % Net Returns**
Monthly (1st Wednesdays): MY 2005/06 – 2015/16

- 2.6%
- 1.6%
- 1.2%
- 2.6%
- 2.0%
- 3.8%
- 2.9%
- 2.7%
- 2.4%

**Dec-July Corn Futures Carrying Charges /bu**
Monthly (1st Wednesdays): MY 2006/07 – 2015/16

- $0.039
- $0.026
- $0.027
- $0.027
- $0.030
- $0.028
- $0.023
- $0.027

($0.009)
Wheat Futures Markets

CME JULY Kansas HRW Wheat FUTURES & Pre-Harvest Futures Hedge Results
JULY HRW Wheat Futures Hedge Net Returns
Monthly (1st Wednesdays): MY 2006/07 – 2015/16

Price $/bu

High
Average
50% (Middle)
Low$

Months Prior to Contract Expiration

JULY HRW Wheat Futures Hedge % Net Returns
Monthly (1st Wednesdays): MY 2006/07 – 2015/16

% Percent Net Returns

High$
Average
50% (Middle)
Low$

Months Prior to Contract Expiration
CME DEC HRW Wheat Futures
& Post-Harvest Futures
Storage Hedge Results

DEC HRW Wheat Futures Hedge Net Returns
Monthly (1st Wednesdays): MY 1989/90 – 2015/16

Net Return $/bu

High
Average
50% (Middle)
Low$

Months Prior to Contract Expiration
DEC HRW Wheat Futures Hedge % Net Returns
Monthly (1st Wednesdays): MY 2006/07 – 2015/16

JULY-DEC Corn Futures Carrying Charges /bu
Monthly (1st Wednesdays): MY 2006/07 – 2015/16
MAY HRW Wheat Futures Hedge Net Returns
Monthly (1st Wednesdays): MY 1989/90 – 2015/16

Net Return $/bu

Months Prior to Contract Expiration

- High
- Average
- 50% (Middle)
- Low$
MAY HRW Wheat Futures Hedge % Net Returns
Monthly (1st Wednesdays): MY 2005/06 – 2015/16

<table>
<thead>
<tr>
<th>Months Prior to Contract Expiration</th>
<th>50% (Middle)</th>
<th>Average</th>
<th>High</th>
<th>Low$</th>
</tr>
</thead>
<tbody>
<tr>
<td>June</td>
<td>12.5%</td>
<td>10.3%</td>
<td>8.6%</td>
<td>0%</td>
</tr>
<tr>
<td>July</td>
<td>6.1%</td>
<td>4.5%</td>
<td>3.4%</td>
<td>0%</td>
</tr>
<tr>
<td>August</td>
<td>4.0%</td>
<td>2.9%</td>
<td>2.8%</td>
<td>0%</td>
</tr>
<tr>
<td>September</td>
<td>3.2%</td>
<td>4.0%</td>
<td>3.4%</td>
<td>0%</td>
</tr>
<tr>
<td>October</td>
<td>3.2%</td>
<td>4.0%</td>
<td>3.4%</td>
<td>0%</td>
</tr>
<tr>
<td>November</td>
<td>2.8%</td>
<td>4.0%</td>
<td>3.4%</td>
<td>0%</td>
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<tr>
<td>December</td>
<td>0.7%</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
</tr>
</tbody>
</table>

DEC-MAY HRW Wheat Futures Carrying Charges
Monthly (1st Wednesdays): MY 2006/07 – 2015/16

<table>
<thead>
<tr>
<th>Months Prior to Contract Expiration</th>
<th>High</th>
<th>Average</th>
<th>50% (Middle)</th>
<th>Low$</th>
</tr>
</thead>
<tbody>
<tr>
<td>June</td>
<td>$0.035</td>
<td>$0.028</td>
<td>$0.021</td>
<td>$0.021</td>
</tr>
<tr>
<td>July</td>
<td>$0.028</td>
<td>$0.016</td>
<td>$0.018</td>
<td>$0.026</td>
</tr>
<tr>
<td>August</td>
<td>$0.021</td>
<td>$0.016</td>
<td>$0.018</td>
<td>$0.026</td>
</tr>
<tr>
<td>September</td>
<td>$0.029</td>
<td>$0.029</td>
<td>$0.029</td>
<td>$0.029</td>
</tr>
<tr>
<td>October</td>
<td>$0.035</td>
<td>$0.028</td>
<td>$0.021</td>
<td>$0.021</td>
</tr>
<tr>
<td>November</td>
<td>$0.028</td>
<td>$0.016</td>
<td>$0.018</td>
<td>$0.026</td>
</tr>
<tr>
<td>December</td>
<td>$0.021</td>
<td>$0.016</td>
<td>$0.018</td>
<td>$0.026</td>
</tr>
</tbody>
</table>
Soybean Futures Markets

CME Soybean FUTURES NOVEMBER Contract Pre-Harvest Futures Hedge Results
NOV Soybean Futures Hedge Net Returns / bu
Monthly (1st Wednesdays): MY 1989/90 – 2015/16

Net Return $/bu

Months Prior to Contract Expiration

NOV Soybean Futures: MY 2006/07-2015/16
Monthly (1st Wednesdays)
NOV Soybean Futures Hedge Net Returns /bu
Monthly (1st Wednesdays): MY 2006/07 – 2015/16

NOV Soybean Futures Hedge % Net Returns
Monthly (1st Wednesdays): MY 2006/07 – 2015/16
CME MAY Soybean Futures & Post-Harvest Futures Storage Hedge Results

MAY Soybean Futures Hedge Net Returns /bu
Monthly (1st Wednesdays): MY 1989/90 – 2015/16

Months Prior to Contract Expiration

- High
- Average
- 50% (Middle)
- Low$
MAY Soybean Futures: MY 2006/07-2015/16
Monthly (1st Wednesdays)

Price $/bu

Months Prior to Contract Expiration

$10.98 $11.32 $10.91 $11.06 $10.41 $10.74 $10.80 $11.03 $11.28 $11.46 $11.44 $11.87

MAY Soybean Futures Hedge Net Returns /bu
Monthly (1st Wednesdays): MY 2006/07 - 2015/16

Net Return $/bu

Months Prior to Contract Expiration

($0.89) ($0.55) ($0.96) ($0.81) ($1.45) ($1.13) ($1.07) ($0.83) ($0.59) ($0.41) ($0.42)
### MAY Soybean Futures Hedge % Net Returns
Monthly (1st Wednesdays): MY 2006/07 – 2015/16

-2.1% -1.6% -4.7% -3.6% -7.1% -5.8% -5.1% -4.5% -4.9% -3.1% -2.5%

### NOV-MAY Soybean Futures Carrying Charges
Monthly (1st Wednesdays): MY 2006/07 – 2015/16

$0.011 ($0.005) ($0.006) ($0.001) ($0.003) $0.014

- $0.050 - $0.100 - $0.150 - $0.200 - $0.250 - $0.300 - $0.350

### Graphic Descriptions:
- **MAY Soybean Futures Hedge % Net Returns**: This graph illustrates the percentage net returns of MAY soybean futures contracts over different months prior to the contract expiration from MY 2006/07 to 2015/16. The data points are distributed with a range of negative returns, indicating that these months experienced losses for the futures holders.

- **NOV-MAY Soybean Futures Carrying Charges**: This graph shows the carrying charges per bushel for soybean futures from June to November over the same period. The charges vary monthly, with some months showing an increase in carrying charges, and others showing a decrease. The graph also highlights the range of high, average, and low carrying charges.
August Soybean Futures Hedge Net Returns

Monthly (1st Wednesdays): MY 1989/90 – 2015/16

- High
- Average
- 50% (Middle)
- Low$

Months Prior to Contract Expiration
AUGUST Soybean Futures: MY 2006/07-2015/16
Monthly (1st Wednesdays)

Price $/bu

Months Prior to Contract Expiration

AUGUST Soybean Futures Hedge Net Returns
Monthly (1st Wednesdays): MY 2006/07 – 2015/16

Net Return $/bu

Months Prior to Contract Expiration
AUGUST Soybean Futures Hedge % Net Returns
Monthly (1st Wednesdays): MY 2005/06 – 2015/16

MAY-AUG Soybean Futures Carrying Charges
Monthly (1st Wednesdays): MY 2006/07 – 2015/16
Questions?

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www.AgManager.info