Laird Larson
Clark, South Dakota

- Farmer
- Certified Seed Producer/Dealer
- Continuous Student of the Cooperative Extension Service

- Producer Representative, U.S. Wheat & Barley Scab Initiative
- Vice Chair, South Dakota Foundation Seed Stocks
- Past Chair, South Dakota Wheat Commission
- Past Chair, Northern Crops Institute, Fargo ND
- Past Chair, South Dakota Crop Improvement Association
- Past Chair, SDSU Northeast Research Farm
DON  FHB  Deoxynivalenol  Fusarium Head Blight  Vomitoxin  Scab
DON  FHB
Deoxynivalenol  Fusarium Head Blight  Vomitoxin  Scab

DISCOUNTS !!!!
“Wheat sells like diamonds ... 
... there are discounts for everything!”

Randy Englund
Past Executive Director
SD Wheat Commission
<table>
<thead>
<tr>
<th>CONTRACT</th>
<th>SHEET#</th>
<th>BUSHELS</th>
<th>PRICE</th>
<th>EXTENSION</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>5,028.97</td>
<td>5.050</td>
<td>$25,396.30</td>
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<tr>
<td>TOTAL:</td>
<td></td>
<td>5,028.97</td>
<td></td>
<td>$25,396.30</td>
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</tbody>
</table>

- DAMAGE: $653.77-
- GRAIN ASSESSMENT: $101.59-
- PROTEIN: $150.87-
- VOMITOXIN: $502.90-

SETTLEMENT AMOUNT: $23,987.17
PROBLEMS SOLVED HERE
EDITORIAL: Extension cuts hit rural residents

October 05, 2011 7:30 am • Journal editorial board

Rural residents may be getting the impression that their way of life is under assault. First, the U.S. Postal Service wants to close some rural post offices. And in two weeks county Extension offices...

www.sdwheat.org
Scab Resistance ......

...... Breeder Priority ?
<table>
<thead>
<tr>
<th>Plot</th>
<th>Name</th>
<th>DON ppm</th>
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<tbody>
<tr>
<td>115</td>
<td>SD08080</td>
<td>4.2</td>
</tr>
<tr>
<td>206</td>
<td>SD08080</td>
<td>1.8</td>
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<tr>
<td>345</td>
<td>SD08080</td>
<td>2.9</td>
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<td>135</td>
<td>SD08200</td>
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<td>239</td>
<td>SD08200</td>
<td>6.7</td>
</tr>
<tr>
<td>315</td>
<td>SD08200</td>
<td>7.8</td>
</tr>
</tbody>
</table>

Varietal Differences?
Spraying ... 

... What? 

... When?
When conditions do not permit!

Does late spraying produce higher DON levels than no spraying?
Impact of spraying ....

... on soil health ?
Transference of Mycotoxin on plant or tillers?
Increased Fan Speed DOES NOT EQUAL Grain Cleaning
Sampling ...

... one hot kernel!
Changing levels

... consolidation?

... through time?
Transference of Mycotoxin within the bin?
Do the DON levels decrease? Does the elevator scrutiny decrease?
Quick Tests …
Qualitative
or
Quantitative?
Easy access to:

- Fast
- Low cost
$ Testing
High levels ...

... now what?
The Fusarium head blight prediction center will stop generating new risk maps on Aug 15. Maps from earlier this year will be available for testing and evaluation purposes. The system will resume service spring of 2016.

1. Choose a State
   - State: United States
2. Choose a Model
   - Wheat: Spring, Winter
3. Weather Forecast Mode
   - Forecast (hrs): 0, 24, 48, 72
   - Assessment Date: 08/15/2014

Advanced: Save Model and Location
- Name:
- Saved Locs:

Legend
- Blight Risk: High, Medium, Low, No Data
- Weather Stations: FFA, Ashnet, Inactive (for model)
- Risk Map Capacity: Query

http://www.wheatscab.psu.edu/
Discounts for high levels ....

... Premiums for low levels ?
1 ppm ?