Preparing a Seminar

SOCR 492
Objective for Seminar Presentation

- Present a concise report on a topic
- Create interest in a subject matter area
- Allow 10 minutes for presentation & 2 minutes for questions
SEMINAR STRUCTURE

Background & Problem
Objective
Sources of info
Findings
Conclusions
HOW to START

• Choose subject
• Write an objective
• Create an outline
• Locate info sources (limit to a few)
• Lay out data and/or info (Tables & Graphs help)
• Identify key data and eliminate remainder
• Draw a conclusion
• Prepare slides
Slide Preparation

• What constitutes a good slide?

• Minimum words - use bullets
• NO complicated tables
• Use graphs and charts
• Font that is legible from back of room
• Attractive
### SOC (0-10 cm) by PET Location, Soil Position, & Cropping System

<table>
<thead>
<tr>
<th>PET Location &amp; Cropping System</th>
<th>Slope Position</th>
<th>0-10 cm kg/ha</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Summit</td>
<td>Sideslope</td>
</tr>
<tr>
<td><strong>Sterling (Low PET)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WF</td>
<td>13,840</td>
<td>12,065</td>
</tr>
<tr>
<td>WCF</td>
<td>11,910</td>
<td>11,760</td>
</tr>
<tr>
<td>WCMF</td>
<td>12,460</td>
<td>12,235</td>
</tr>
<tr>
<td>CC</td>
<td>13,810</td>
<td>14,290</td>
</tr>
<tr>
<td><strong>Stratton (Med PET)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WF</td>
<td>12,460</td>
<td>10,490</td>
</tr>
<tr>
<td>WCF</td>
<td>12,865</td>
<td>11,995</td>
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<tr>
<td>WCMF</td>
<td>14,000</td>
<td>12,430</td>
</tr>
<tr>
<td>CC</td>
<td>14,810</td>
<td>12,975</td>
</tr>
<tr>
<td><strong>Walsh (High PET)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WF</td>
<td>10,080</td>
<td>9,310</td>
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<tr>
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<tr>
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<td>10,120</td>
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<tr>
<td>CC</td>
<td>11,350</td>
<td>11,275</td>
</tr>
</tbody>
</table>
SOC as Related to PET Gradient

![Bar chart showing SOC kg/ha for Low PET, Med PET, and High PET Gradient. The chart indicates that SOC is higher in Low and Med PET compared to High PET.]
SOC as Related to Slope Position

![Bar chart showing SOC kg/ha across different slope positions: Summit, Sideslope, Toeslope.](chart.png)

- **Summit**: Low SOC kg/ha
- **Sideslope**: Moderate SOC kg/ha
- **Toeslope**: High SOC kg/ha

**Legend**:
- **SOC kg/ha**
- **Slope Position**

**Map** showing different slope (%)
- **Summit**: High slope (%)
- **Sideslope**: Medium slope (%)
- **Toeslope**: Low slope (%)

**Colors** indicate different slope ranges:
- Red: Above 5.0
- Orange: 4.0 - 5.0
- Yellow: 3.0 - 4.0
- Green: 2.0 - 3.0
- Blue: 1.0 - 2.0
- Light Blue: 0.9 - 1.0
- Blue: Below 0.5

**Note**: The graph and map illustrate the relationship between SOC and slope position, with the highest SOC found on the toeslope.
Intensified Cropping Increased Soil Effective Porosity

Increased probability of rapid water infiltration and ultimately system productivity

Effective Porosity %

2-Year 3-Year Continuous

Cropping Systems
Questions ??