2-Pass Challenge
Weed Control Results

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Integrated Pest Management
1-Pass vs. 2-Pass Herbicide Programs in Corn

• 1-Pass
  – Pro’s
    • Cost savings?
    • Time savings
  – Con’s
    • Pre’s – Strongly influenced by timing of rainfall
    • Pre’s – May sacrifice control of large seeded broadleaves and perennials
    • Post’s – Timing is critical
1-Pass vs. 2-Pass Herbicide Programs

• On-farm, split field comparisons
  – On-site Coordinators
    • Identify Cooperators
    • Implement Field Trials
      – Formulate 1 and 2-Pass Strategies
      – Applications & Harvest
    • Collect Data
  – Cooperators
2-Pass Challenge Options

- Single Pass
  - 1 PPI
  - 1 PRE
  - 1 POST

- Two Pass
  - 1 PPI + 1 POST
  - 1 PRE + 1 POST
  - 1 PPI (reduced rate) + 1 Cultivation
  - 1 PRE (reduced rate) + 1 Cultivation
  - 1 POST + 1 Cultivation
Field Layouts

- Non-replicated

Minimum total acreage = 5 acres
Minimum harvest = ½ acre

Single pass program

Two Pass program
### Field Layouts

- **2 Replications**

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<thead>
<tr>
<th>Single Pass Program</th>
<th>Two Pass Program</th>
<th>Single Pass Program</th>
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<tbody>
<tr>
<td>Harvest</td>
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Minimum total acreage = 10 acres
 Minimum harvest = ½ acre
Data Collection