Survey Process
Activity Flow Chart

Headquarters
- Sample Select
- Questionnaire Prep
- Procedures
- Edit/Summary Prep
- R&D

Regional & State Offices
- Enumerator Training
- Data Collection
- Edit Execute
- Summary Execute

Headquarters Lockup
- Security
- Analyses
- Estimation
- Publish

Regional & State Offices
- Estimation
- Comments

National Release
State Release
Acreage Estimates
June Survey Calendar

- Data Collection: May 29-June 14
- Reference Date: June 1
- Summary & Analysis: June 15-29
- Stocks & Acreage Report: June 30
## June Sample Sizes

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Crop Acreage and Stocks</strong></td>
<td>69,475</td>
</tr>
<tr>
<td><strong>Hogs</strong></td>
<td>7,422</td>
</tr>
<tr>
<td><strong>Area Segments Interviews</strong></td>
<td>10,977</td>
</tr>
<tr>
<td><strong>Interviews</strong></td>
<td>39,808</td>
</tr>
</tbody>
</table>
## June Crops List Survey
### Data Collection Mode
(completed responses)

<table>
<thead>
<tr>
<th>Mode</th>
<th>US</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mail</td>
<td>17.5</td>
</tr>
<tr>
<td>Internet</td>
<td>1.8</td>
</tr>
<tr>
<td>Phone</td>
<td>61.0</td>
</tr>
<tr>
<td>Face-to-face interview</td>
<td>15.9</td>
</tr>
<tr>
<td>Other</td>
<td>3.9</td>
</tr>
</tbody>
</table>
Survey Timing

• Reference Date
  • August 1

• Data Collection
  – Farmer Survey
    • July 30-August 6
  – Field Survey
    • July 25-August 1

• Summary/Review
  • August 7-11

• Release
  • August 12
Farmer Survey

• Random sample of farmers producing a crop scheduled for publication in the *Crop Production Report*

• Acres for Harvest?
• Expected Yield as of the first day of the month?
• Is harvest complete?
Field Surveys
Objective Yield

• Random Sample of the acres in the US
• Two Random Plots per Sample
  – Random number of rows and paces
• Standard Plot Size
• Precise Counts & Measures
Objective Yield

Counts taken to estimate

• Fruit Count per Acre
• Fruit Weight per Unit
• Harvest Loss per Acre
Objective Yield

**Corn OY**
- rowspace
- 2 rows x 15 ft
- stalks
- ears & ear shoots
- ears with kernels
- kernel row length
- ear diameter
- ear weight

**Soybean OY**
- rowspace
- 2 rows x 3.5 ft
- plants
- lateral branches
- blooms, dried flowers, pods
- pods with beans
- pod weight

Publication: THE YIELD FORECASTING PROGRAM OF NASS
## Number of Reports in the August Crop Report

<table>
<thead>
<tr>
<th></th>
<th>US</th>
<th>IL</th>
<th>IN</th>
<th>KS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ag Yield</td>
<td>24,363</td>
<td>1037</td>
<td>619</td>
<td>1659</td>
</tr>
<tr>
<td>Corn OY</td>
<td>711</td>
<td>109</td>
<td>62</td>
<td>50</td>
</tr>
<tr>
<td>Soybean OY</td>
<td>684</td>
<td>82</td>
<td>57</td>
<td>53</td>
</tr>
</tbody>
</table>
# Farmer Survey Collection Mode

<table>
<thead>
<tr>
<th></th>
<th>US</th>
<th>IL</th>
<th>IN</th>
<th>KS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mail</td>
<td>14.2%</td>
<td>25.6%</td>
<td>30.2%</td>
<td>26.1%</td>
</tr>
<tr>
<td>EDR</td>
<td>1.4%</td>
<td>1.6%</td>
<td>1.7%</td>
<td>1.8%</td>
</tr>
<tr>
<td>Phone</td>
<td>12.9%</td>
<td>13.5%</td>
<td>7.4%</td>
<td>2.7%</td>
</tr>
<tr>
<td>CATI</td>
<td>53.7%</td>
<td>46.5%</td>
<td>53.8%</td>
<td>67.5%</td>
</tr>
<tr>
<td>Interview</td>
<td>5.7%</td>
<td>9.8%</td>
<td>4.3%</td>
<td>0.1%</td>
</tr>
<tr>
<td>Carryover</td>
<td>12.2%</td>
<td>3.1%</td>
<td>2.6%</td>
<td>1.9%</td>
</tr>
</tbody>
</table>
Review Process

• Field Offices
  – Review raw data
  – Analyze summary data
  – Check out outliers
  – Interpret summary results
  – Write justifications
  – Submit recommendations
Analysis Tools
Review Across Reports

Expanded Acres Planted

Expanded Totals: By District

Expanded Totals: By Frame

Point in Graph Represent:
- Frame
- Strata
- Response
- Review
- Comment

Indications  Help
Review Process

• Headquarters Commodity Specialists
  – Prepare regional/national indications
  – Review state recommendations
  – Prepare regional/national indications
  – Prepare material for board review
  – After ASB review, sets final estimates
Review across time
Review Process

• Agricultural Statistics Board
  – Reviews regional/national data
  – Sets regional/national estimates
  – Electronic Tools with charts and data tables
  – Uses balance sheets
Publication and Dissemination

• Written text is prepared
• Estimates are released at a preannounced time
• Available in DC and Field Offices
• Internet release
• Further disseminated by newspapers, radio, etc.