RESEARCH NEEDS OF COTTON GINNING INDUSTRY – SURVEY RESULTS
G.A. Holt
USDA-ARS Cotton Production and Processing Research Unit
Lubbock, TX
H. Ashley
National Cotton Ginners Association
Cordova, TN
R. Isom
Western Agricultural Processors Association
Fresno, CA
A. Nelson
Texas Cotton Ginners Association
Austin, TX
D. Findley
Southeastern Cotton Ginners Association
Dahlonega, GA
T. Price
Southern Cotton Ginners Association
Memphis, TN

Abstract

A survey was sent out to members of the cotton ginning associations across the United States. The survey asked five questions:
1) In what state is your gin located?
2) In your estimation, what are the top 3 research needs of the ginning industry?
3) What are the top 3 research needs of your gin?
4) In your opinion, what is the biggest improvement needed in modern day ginning?
5) What is the biggest improvement needed in harvesting cotton?

A majority of the respondents were from the Mid-South (47%) followed by the Southwest (27%), Far West (18%), and Southeast (8%). The responses were broken into the following seventeen answer categories:

1) Automation/Labor
2) Production/Processing Costs
3) Moisture/Drying
4) Quality/Classing
5) Contamination/Plastic
6) Trash/Bark
7) Safety
8) Add Value/Byproducts
9) Air Emissions/Control
10) Module Handling/Unwrapping
11) Variety Issues – smaller seed
12) Energy
13) Marketing
14) When Repairs are Needed
15) Bale Packaging
16) Transportation
17) Miscellaneous

The following responses were placed in the Miscellaneous category since they did not seem to fit within any of the other answer categories:

- Question 2
  1) Cotton Flow & Warehousing Efficiency
  2) Online Scarce/Used Parts Directory by Gin

- Question 3
  1) How to provide better customer service

- Question 5
  1) Informed producers
  2) Coordination between gin and field
  3) Proper timing of defoliation and harvest

Figures 1 through 4 below show the National breakdown of the responses. Regional responses were similar to national responses with the top three answers being similar, but in a changed order of importance. For example, for Question 2 (Top 3 Research Needs of the Ginning Industry) the National response had Automation/Labor (14.6%) as the top need followed by Module Handling/Unwrapping (11.5%) and
Production/Processing Costs (11%). The Southwest regional response had Module Handling/Unwrapping (20%) as the top need followed by Production/Processing Costs (15%) and Automation/Labor (12%). Comparing the National and Southwest responses for Question 2, both had the same responses in the top three but in different order.

Figure 1. National response to question about the top 3 research needs of the cotton ginning industry.

Figure 2. National response to question about the top 3 research needs of your cotton gin.
Figure 3. National response to question about the biggest improvement needed in modern day ginning.

Figure 4. National response to question about the biggest improvement needed with harvesting cotton.