Preliminary Analysis of Bihar Data

Initiated by Tauhid Rahman and continued

by Tim Finan and Saleh Ahmed

June 2017

Baseline Data Collection Progress

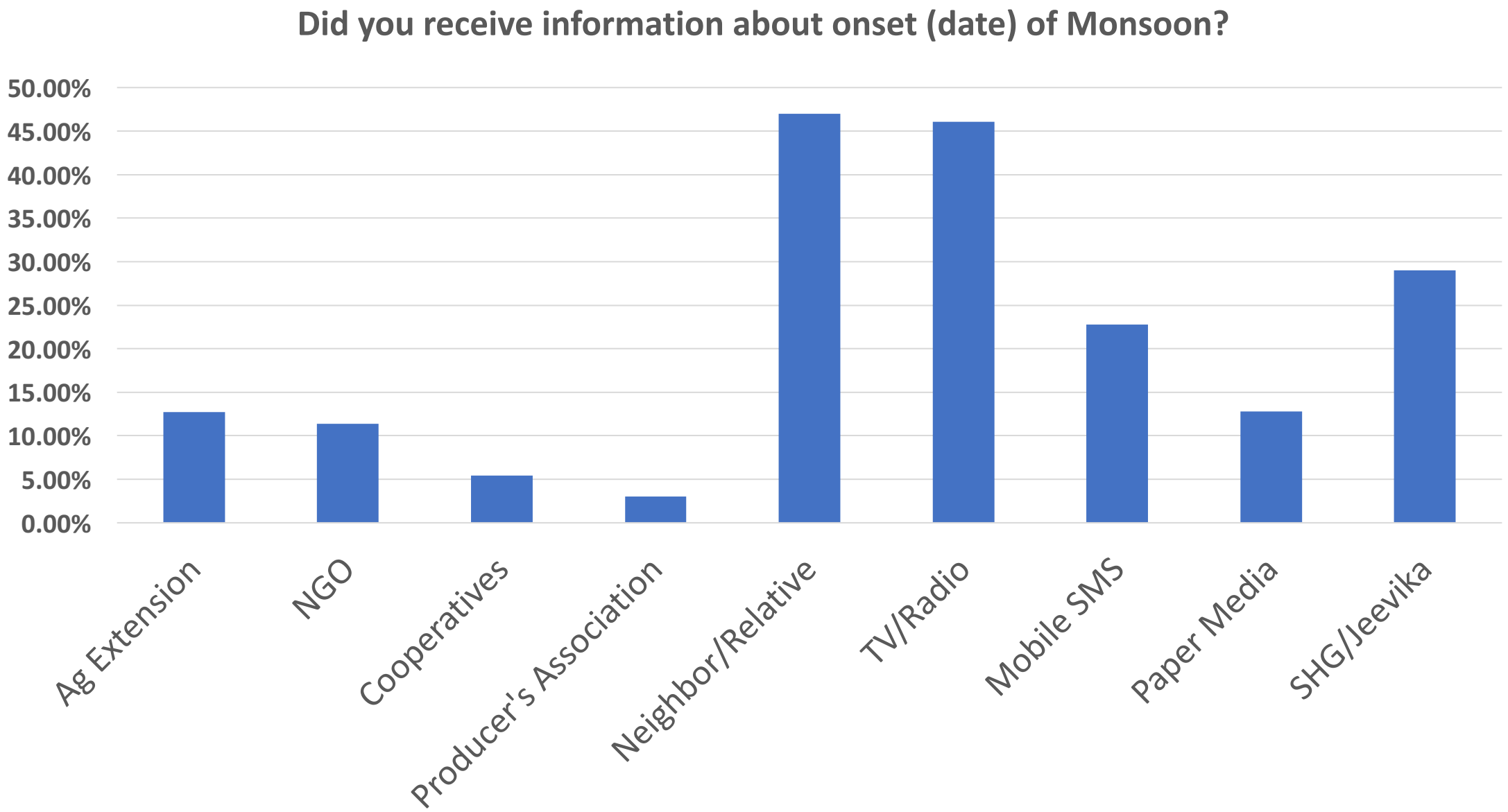
1. **Data collection completed by the contracted agency, 7Even, and delivered to UA May 2017**

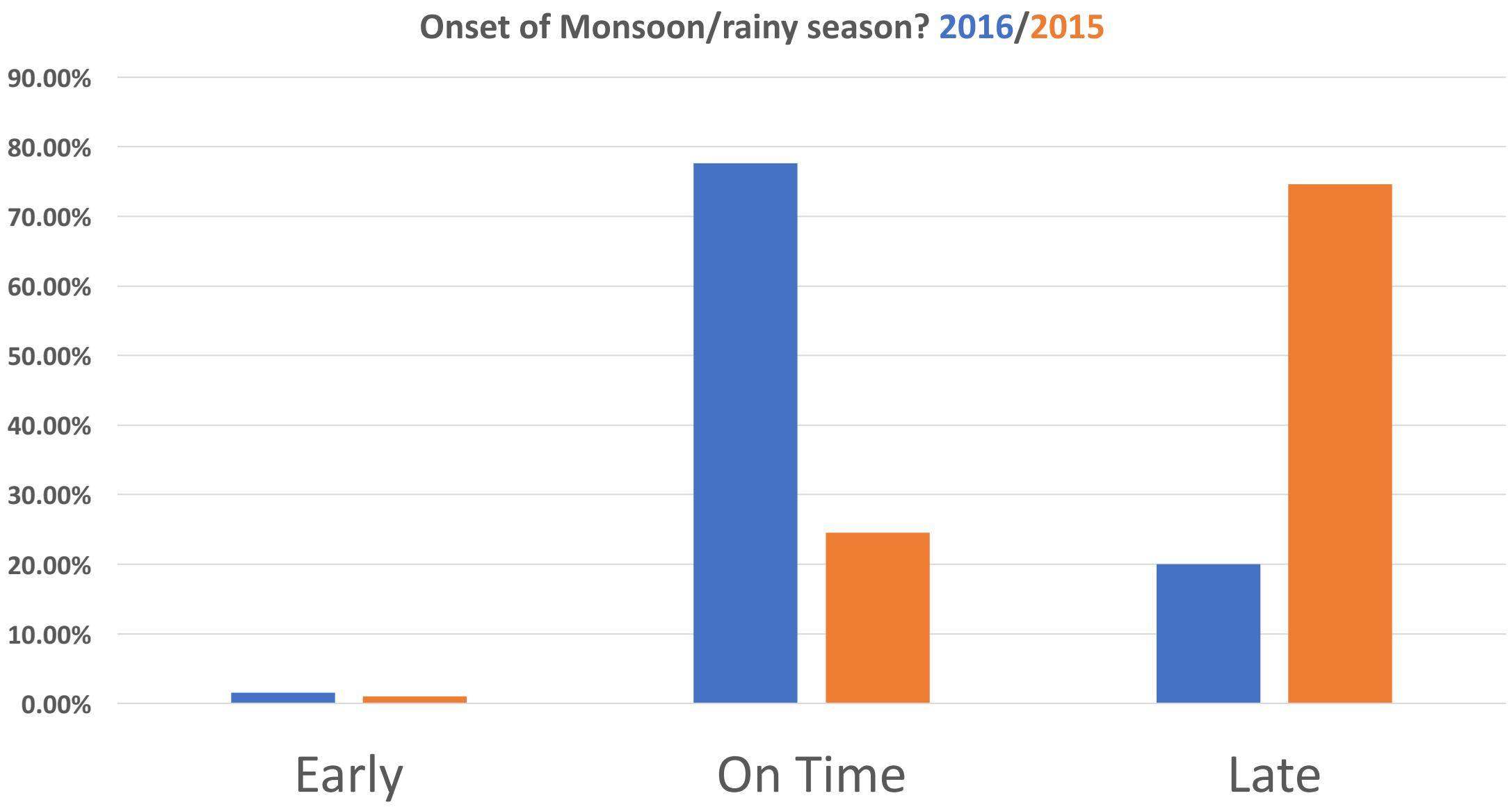
2. Community (Village-level) Questionnaire

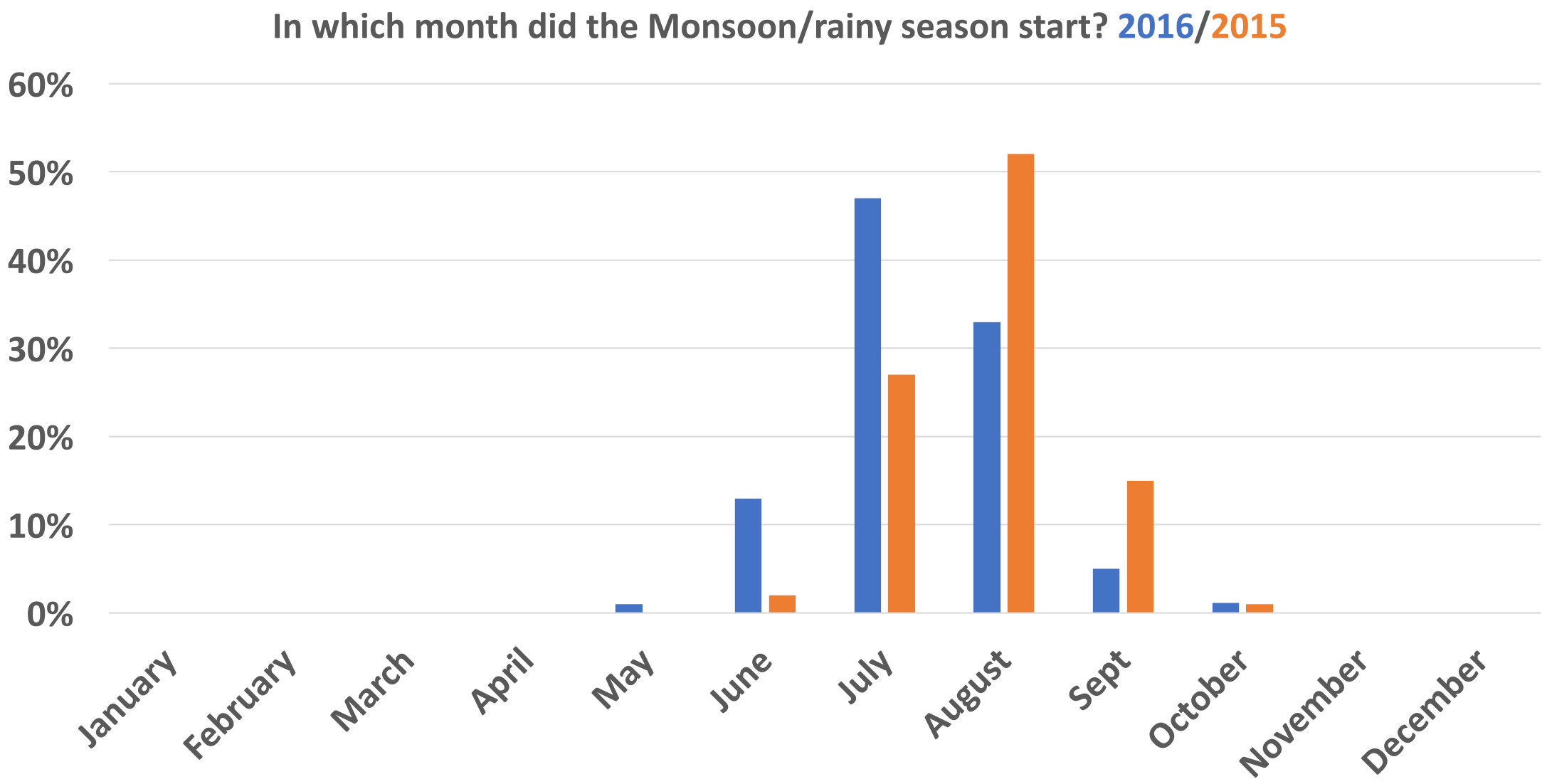
- ❖ Information about community characteristics, infrastructure, networks, public goods
- ❖ Collected by bringing together a group of people who are knowledgeable about their village
- ❖ Supplements household survey data
- ❖ **Sample Size: 264**

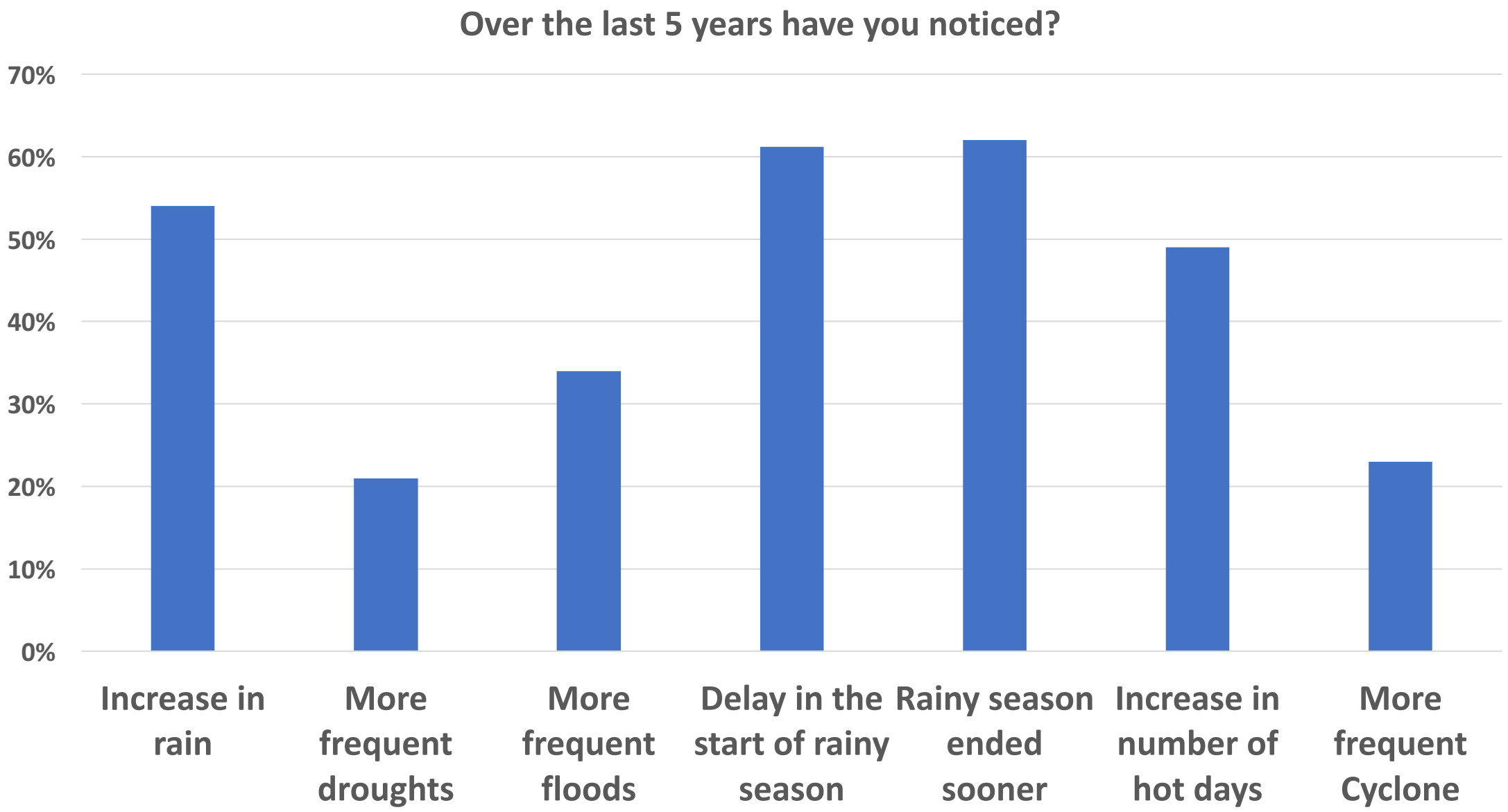
3. Household Survey Questionnaire

- ❖ 25 households per village, which means Sample Size = 25x132 = **3,300**
- ❖ Total Number of Household Surveys = 2x3,300 = **6,600**

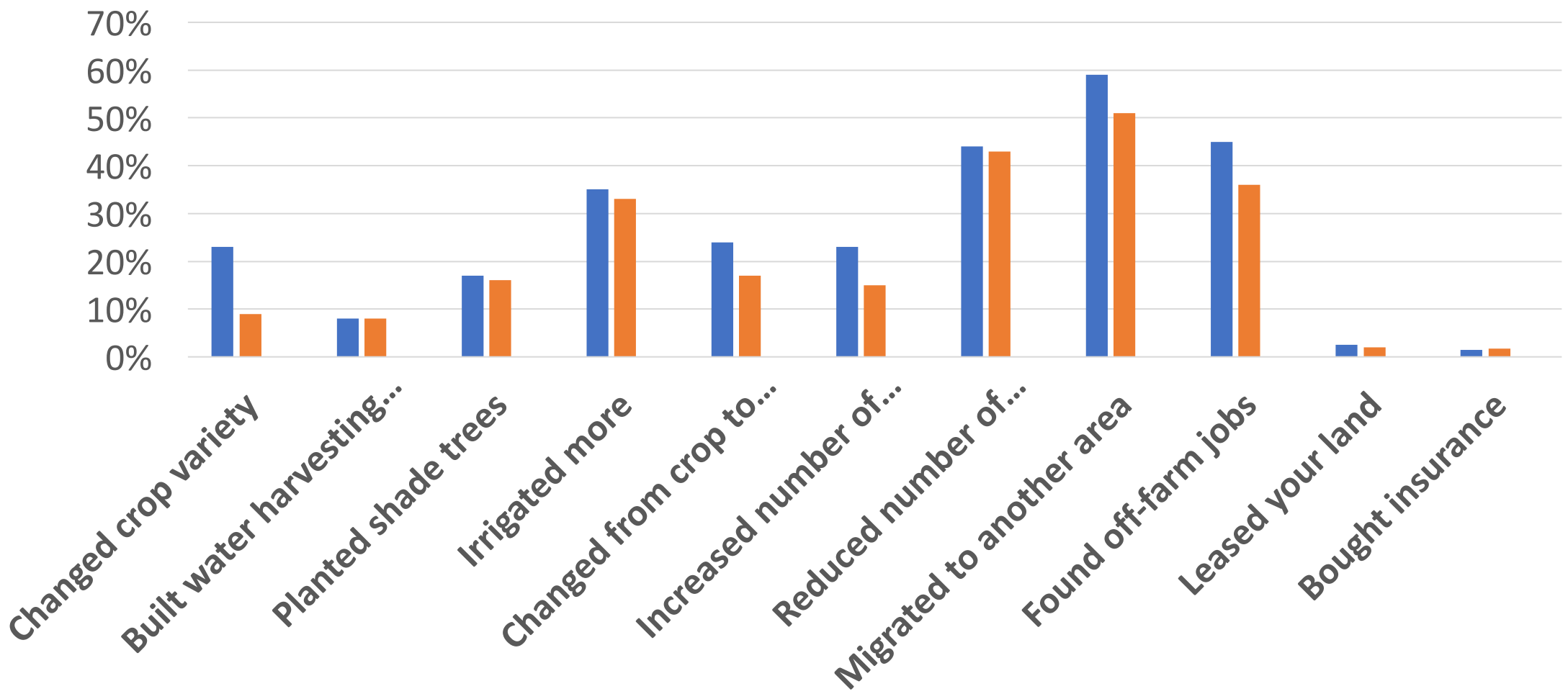

Did you receive information about onset (date) of Monsoon?
50.00%
45.00%
40.00%
35.00%
30.00%
25.00%
20.00%
15.00%
10.00%
5.00%
0.00%
Ag Extension
NGO
Cooperatives
Producer's Association
Neighbor/Relative
TV/Radio
Mobile SMS
Paper Media
SHG/Jeevika

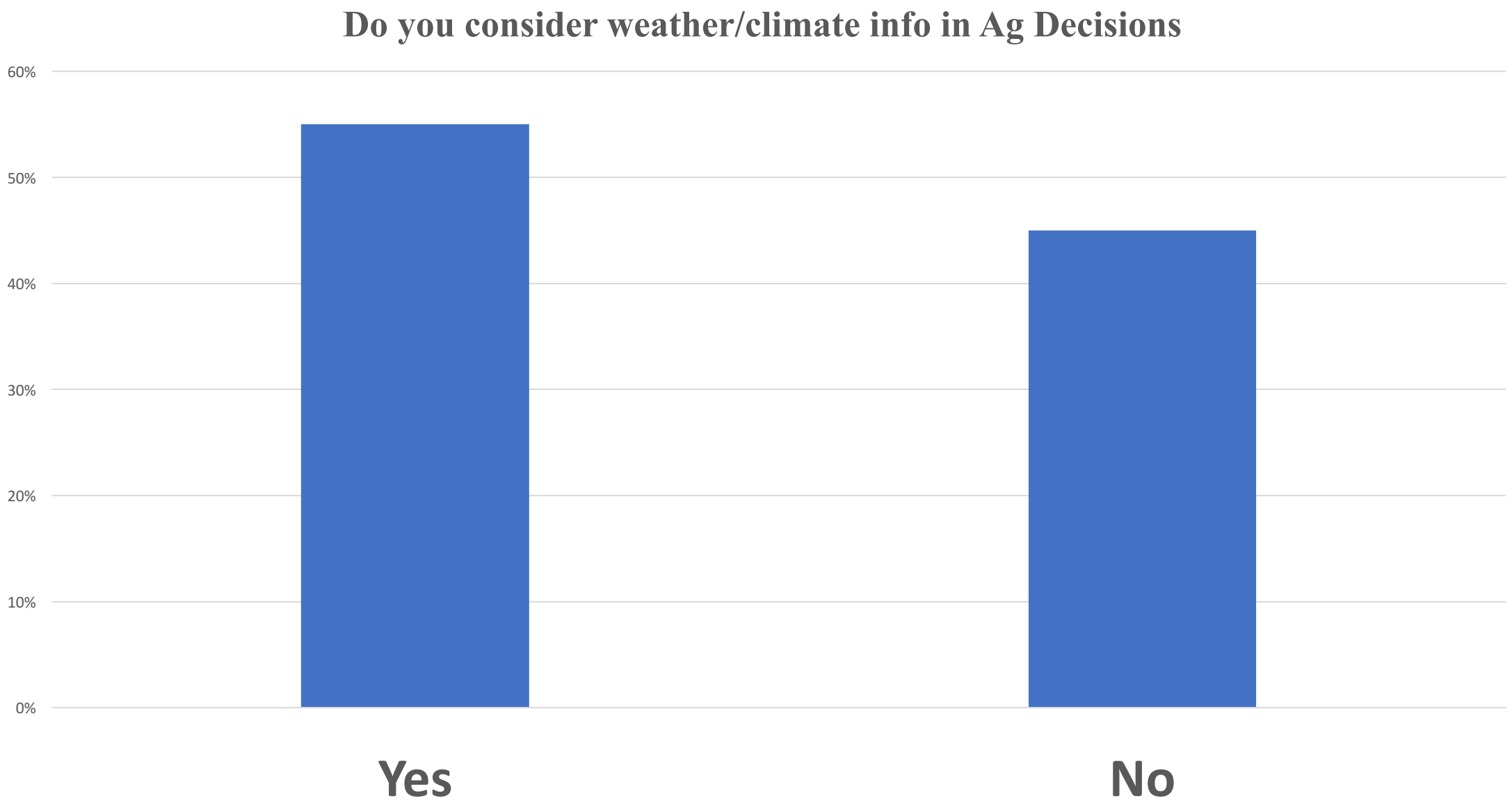

Onset of Monsoon/rainy season? 2016/2015
90.00%
80.00%
70.00%
60.00%
50.00%
40.00%
30.00%
20.00%
10.00%
0.00%
Early
On Time
Late

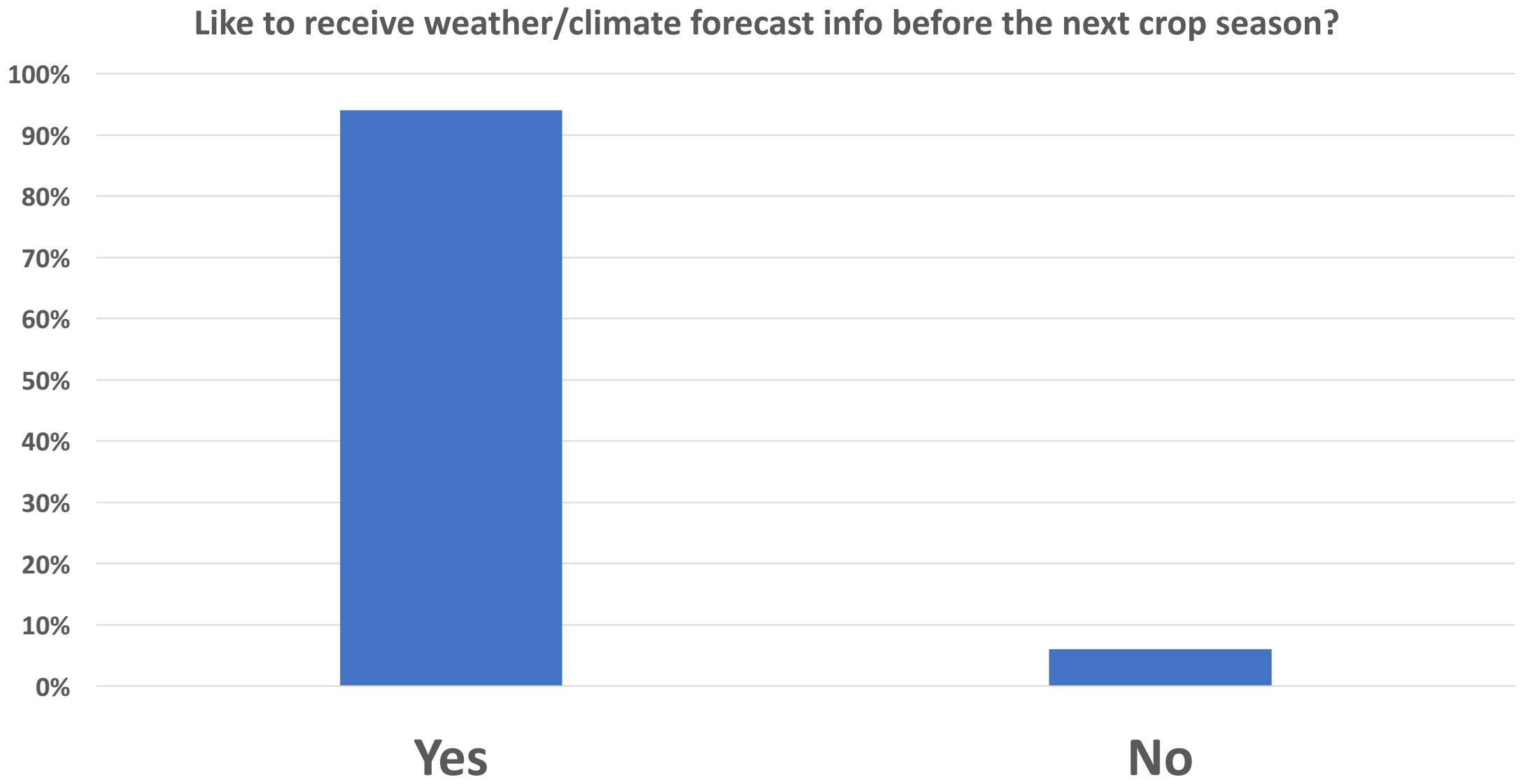

In which month did the Monsoon/rainy season start? 2016/2015
60%
50%
40%
30%
20%
10%
0%
January
February
March
April
May
June
July
August
Sept
October
November
December


Over the last 5 years have you noticed?
70%
60%
50%
40%
30%
20%
10%
0%
Increase in rain
More frequent droughts
More frequent floods
Delay in the start of rainy season
Rainy season ended sooner
Increase in number of hot days
More frequent Cyclone

Adaptation Response to Shift in Temperature and Rainfall 2016/2015




Do you consider weather/climate info in Ag Decisions
60%
50%
40%
30%
20%
10%
0%
Yes
No


Like to receive weather/climate forecast info before the next crop season?
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
Yes
No

Planned Analysis

1. Extent, Determinants, and Distribution of Household Vulnerability

2. Impact of perceived climate change on household copping and adaptation strategies

3. Heterogeneity in Perceived Weather and Climate Change and Historical Data

4. Demand for Weather and Climate Information