

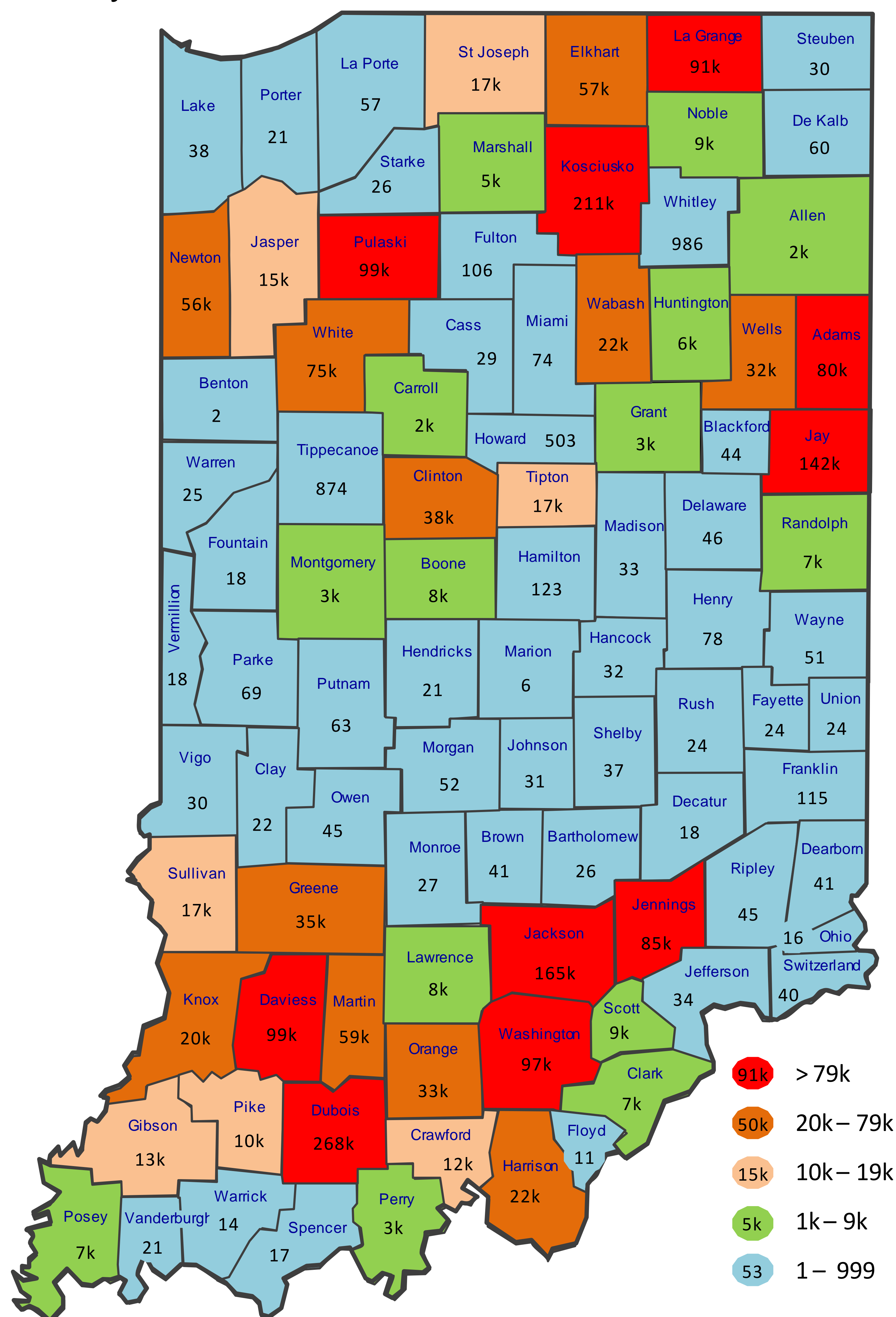
Poultry Manure Application as Fertilizer in Indiana – Survey Results

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Introduction

- Indiana had 4,545 poultry farms in 2007, an increase of 53.5% since 2002.
- Indiana produced 1.9 million tons of poultry manure in 2007, 27% more than that produced in 2002.
- Poultry manure is an excellent organic fertilizer.
- Understanding poultry manure applications and related issues can benefit manure management and the poultry industry in Indiana.



Poultry manure production (tons) and distribution in 2007

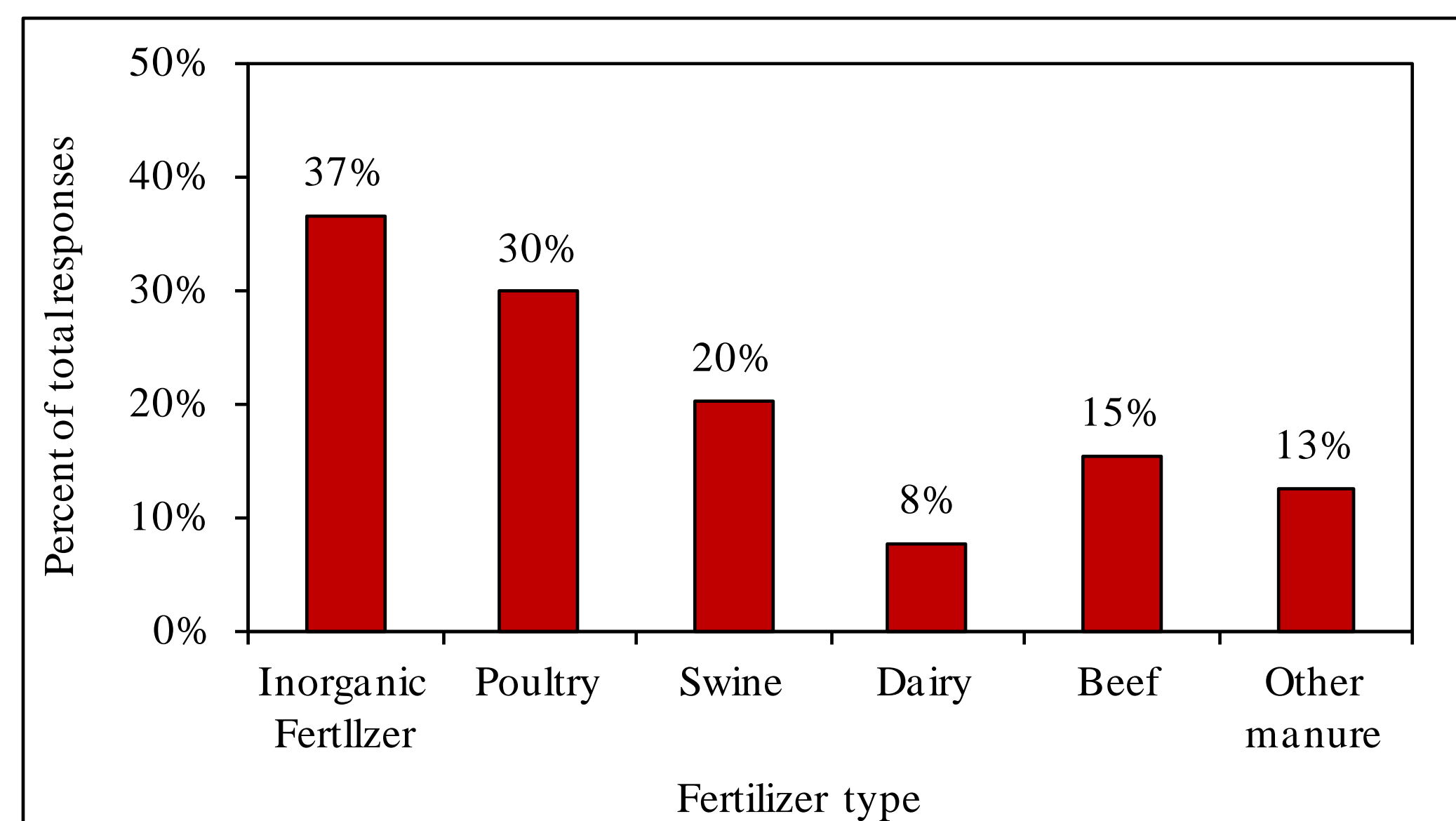
Method

- Crop producer survey, on-line and at extension meetings.
- Analysis and interpretation of 161 responses.
- Presentation of partial results in this poster.



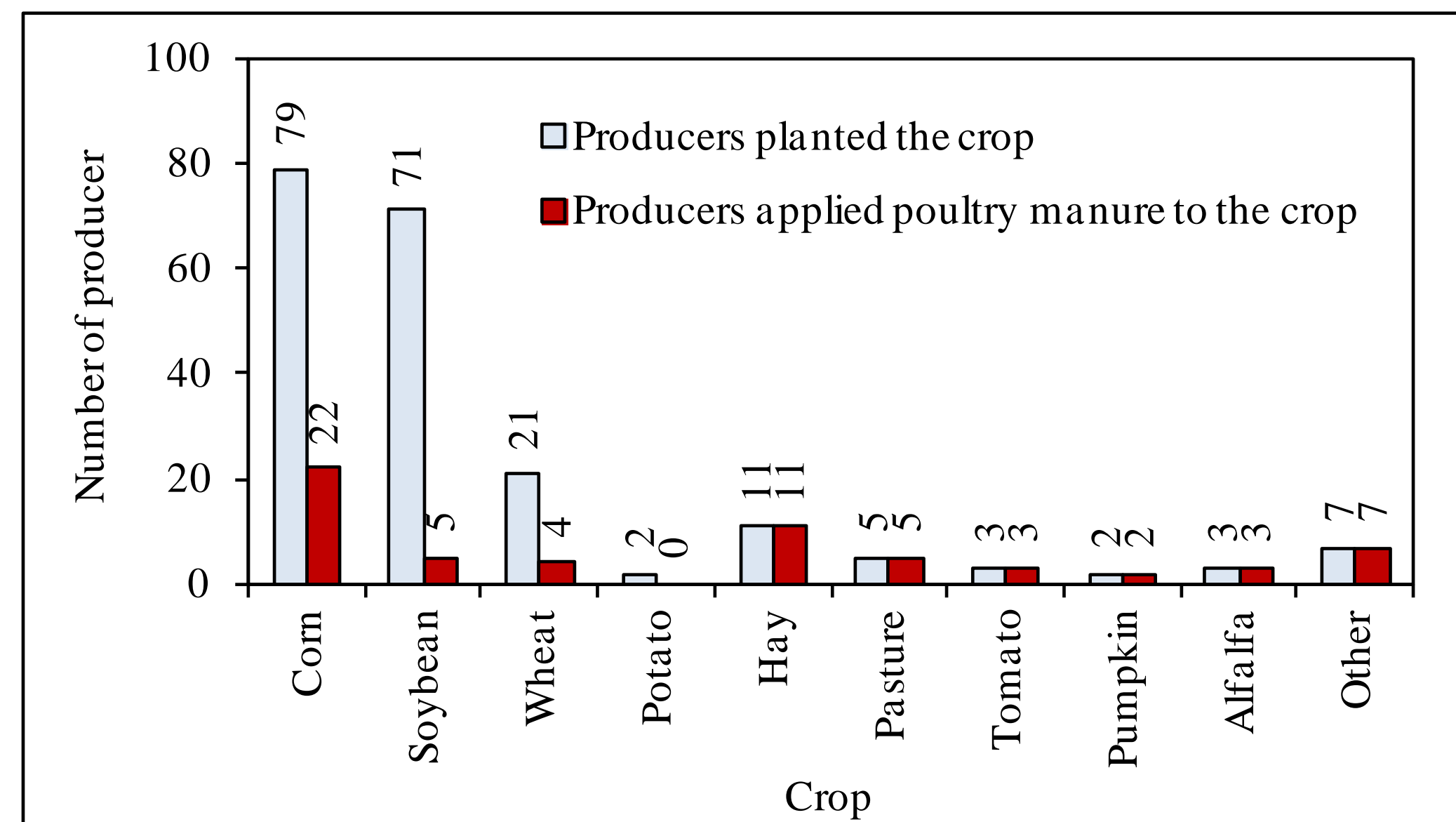
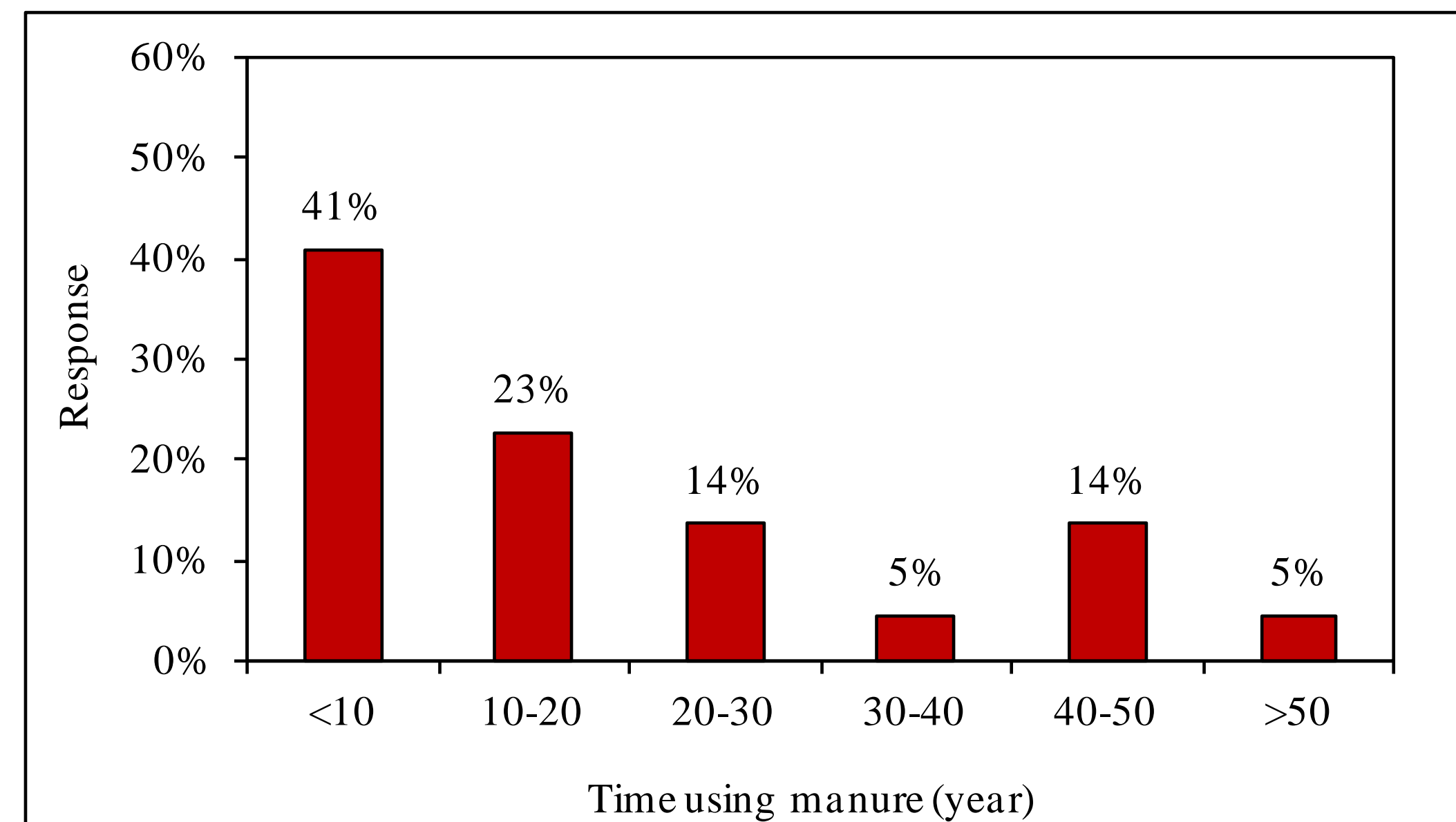
Results

Poultry Manure Users



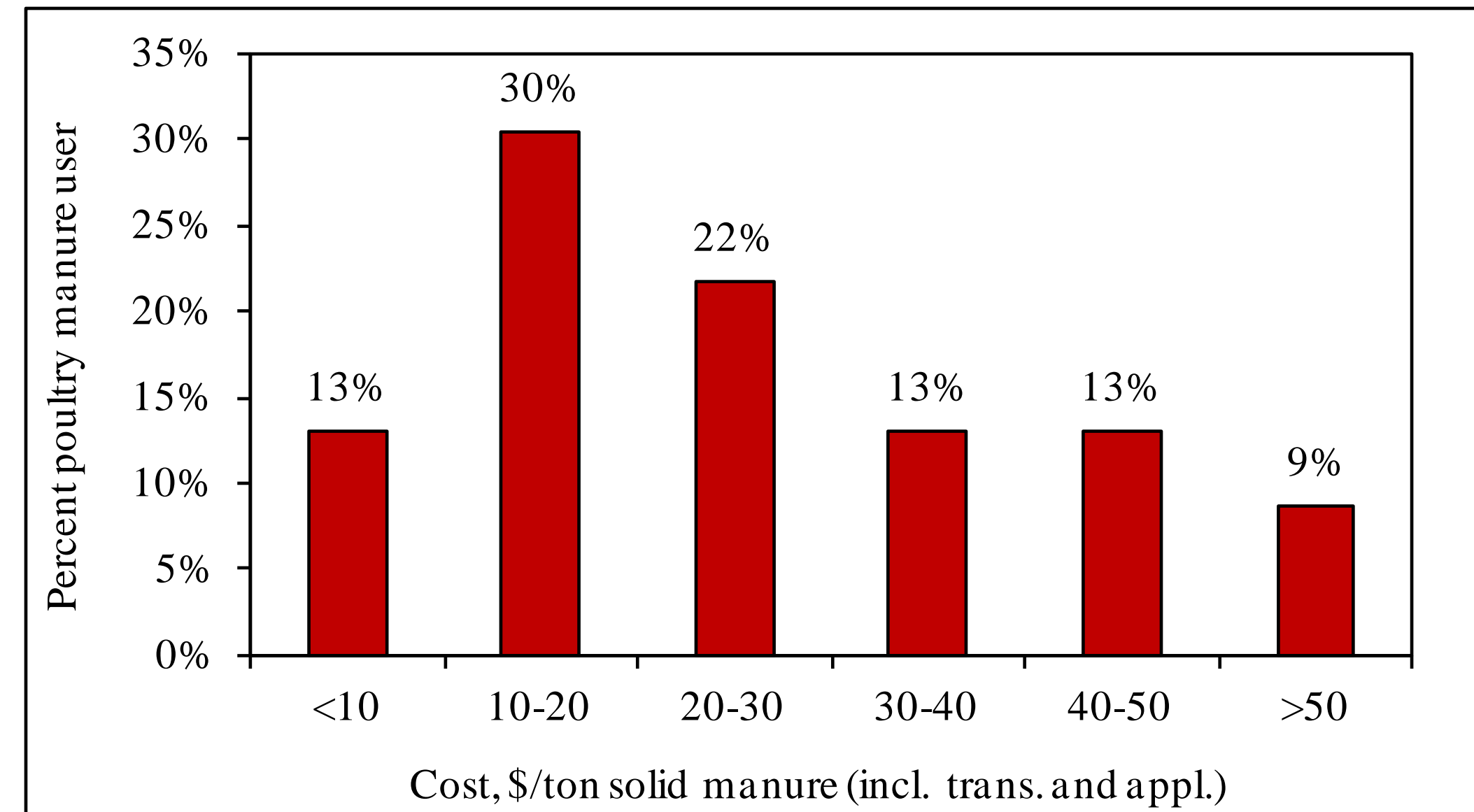
Respondent crop producers applied different fertilizers. About 30% applied poultry manure, more than other livestock manure, but less than inorganic fertilizer.

The longest history of surveyed poultry manure use was 75 years. All poultry manure users planned to continue application to their crops.



About 28% and 7% of producers applied poultry manure to corn and soybeans, respectively. The percentage of applications to other crops varied greatly.

The willingness-to-pay costs for solid manures (including transportation and application) ranged from \$0 to \$100/ton and averaged \$26/ton



Non-Poultry Manure Users

Reasons for not using poultry manure on cropland

Reason	Response, %*
Poultry manure not readily available.	67
Never used poultry manure and unsure of its benefits.	33
Poultry manure more expensive than inorganic fertilizers.	14
Poultry manure not satisfying crop nutrient requirements.	3
Poultry manure more difficult to apply.	17
Concerns about its related environmental problems:	
Nutrient runoff	6
Groundwater contamination	3
Odor nuisance during manure application	2

Note: * percent of responses from non-poultry manure users.