

# Wayne County Dairy Manure Storage



**THE OHIO STATE UNIVERSITY**

COLLEGE OF FOOD, AGRICULTURAL,  
AND ENVIRONMENTAL SCIENCES

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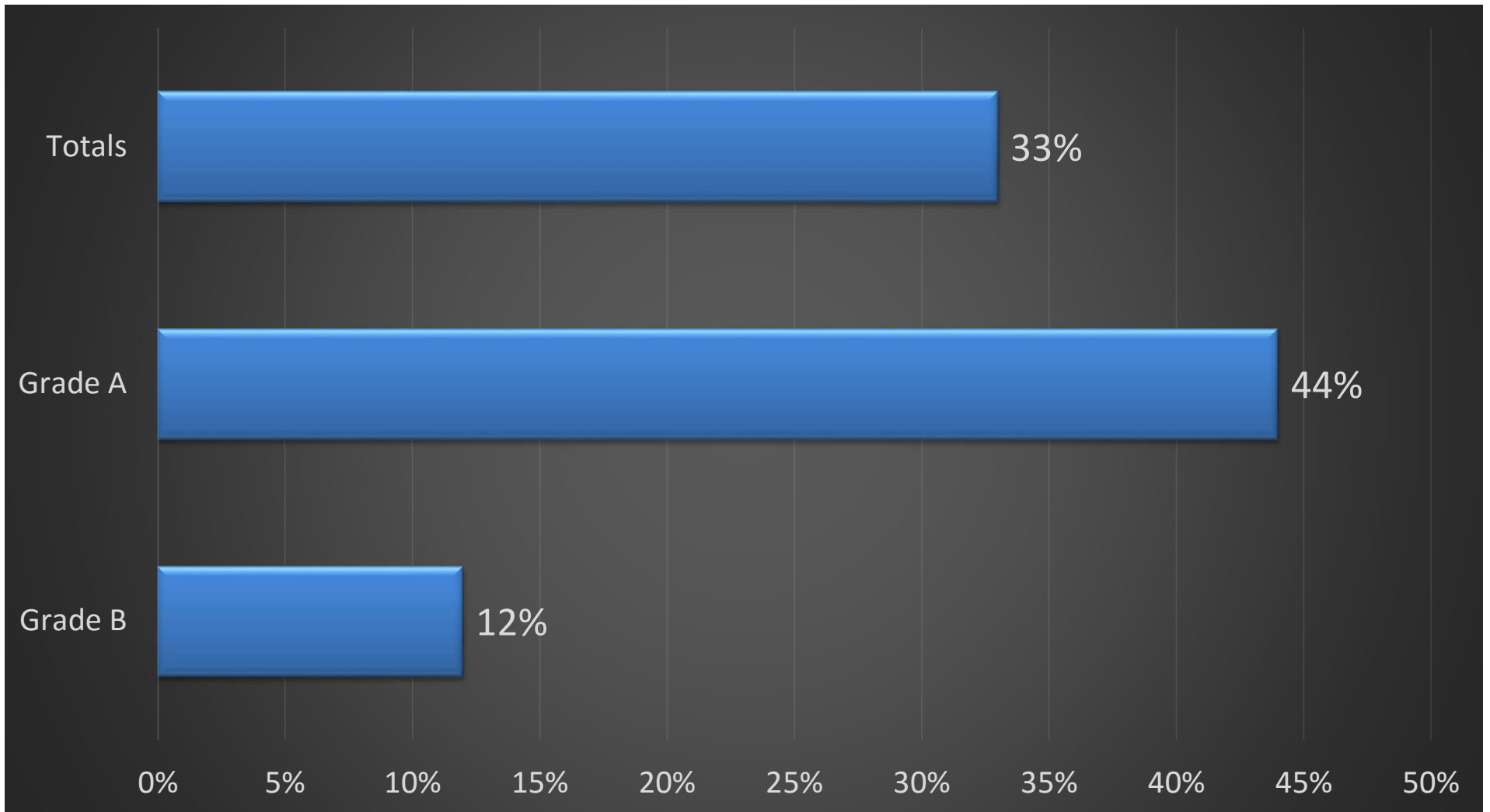
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# Thank you to our partners

- **Wayne/Ashland County Dairy Service unit**
- **Wayne County Ag Success Team**
- **Wayne County Farm Bureau**
- **Wayne County NRCS**
- **Wayne County SWCD**

# Total number of Survey's Returned



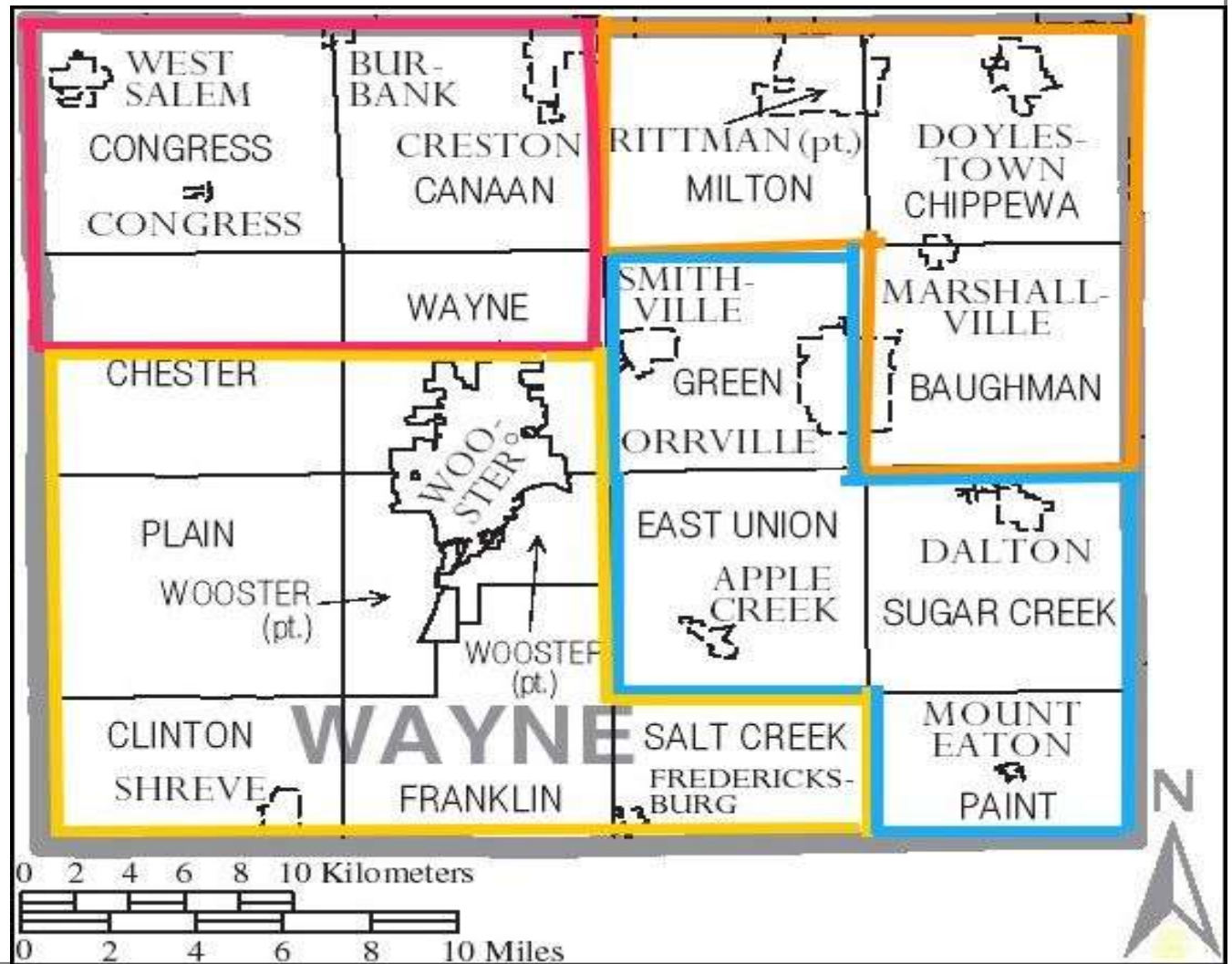
## Map of Wayne County Ohio broken down into groupings

A1=Oatmeal or orange

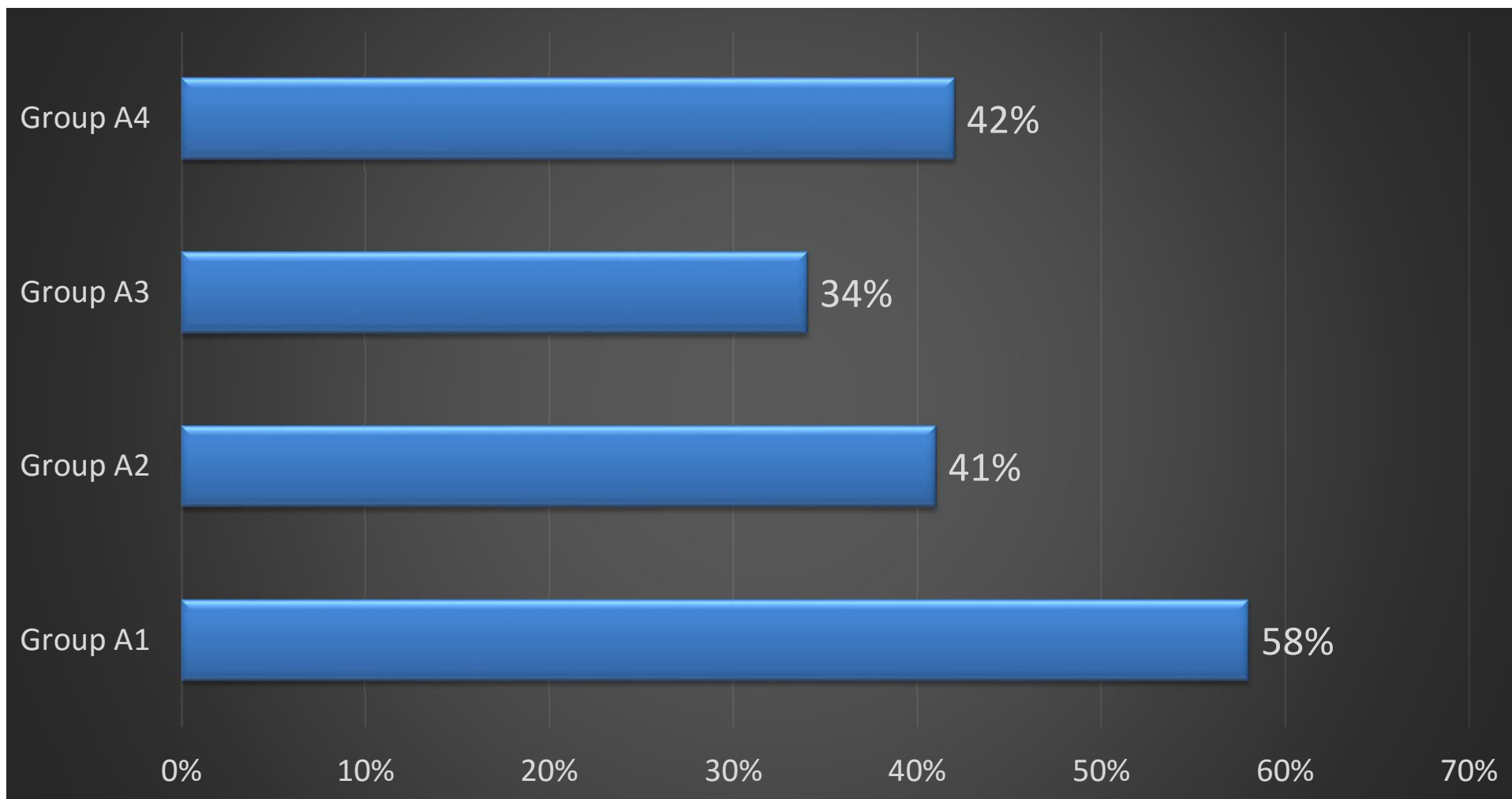
A2= Blue

A3=Salmon or pink

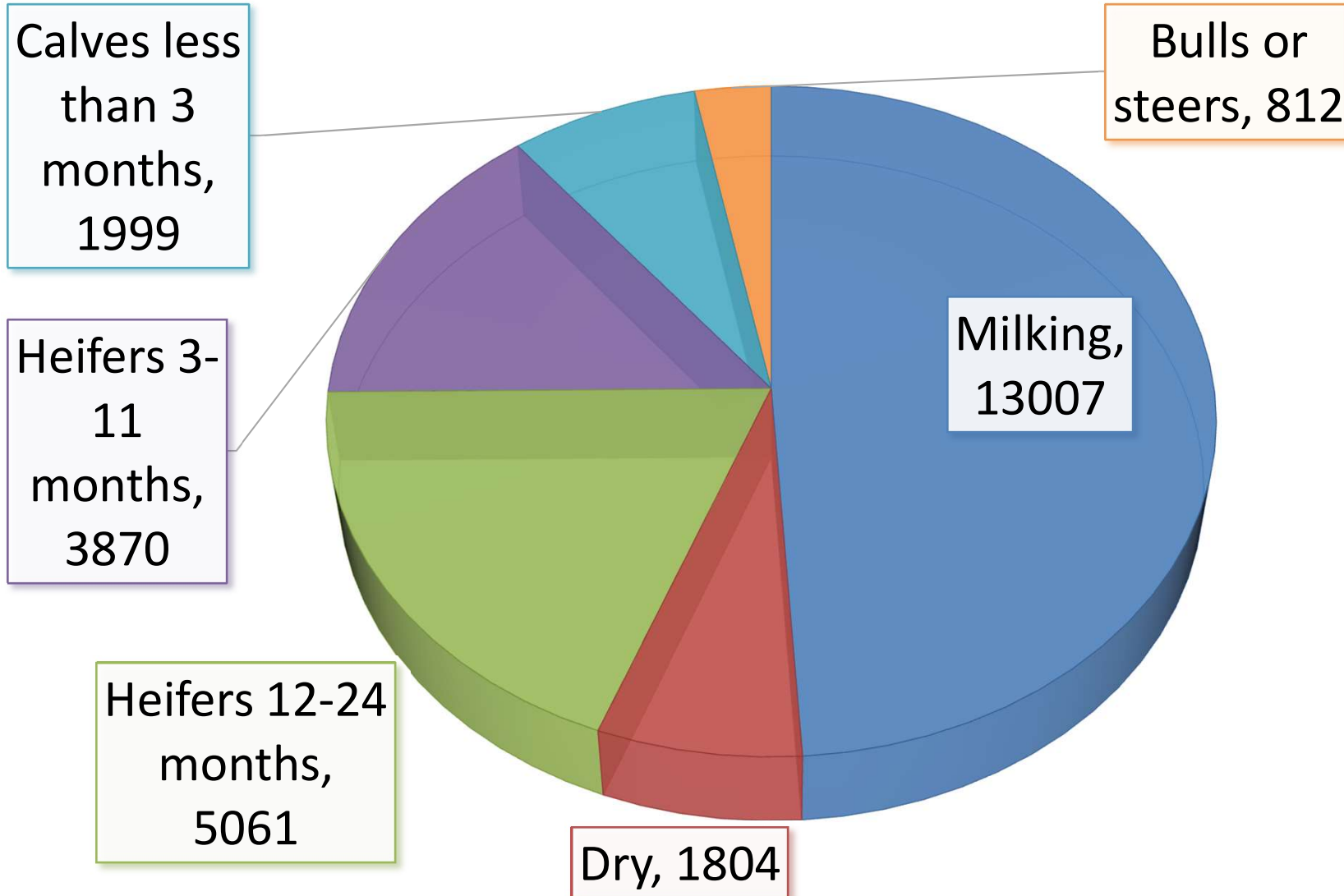
A4=Yellow



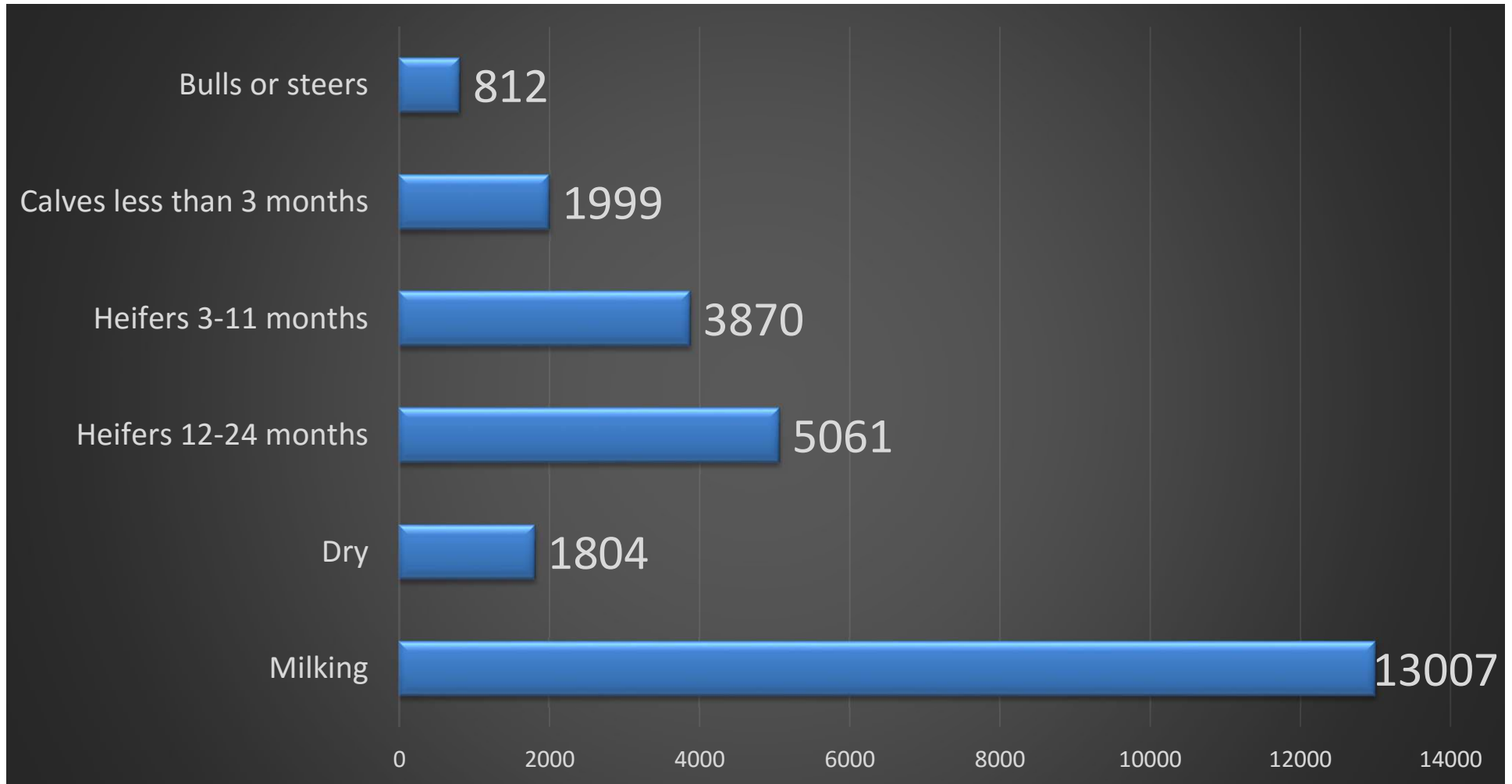
## Grade A Producers Surveys returned



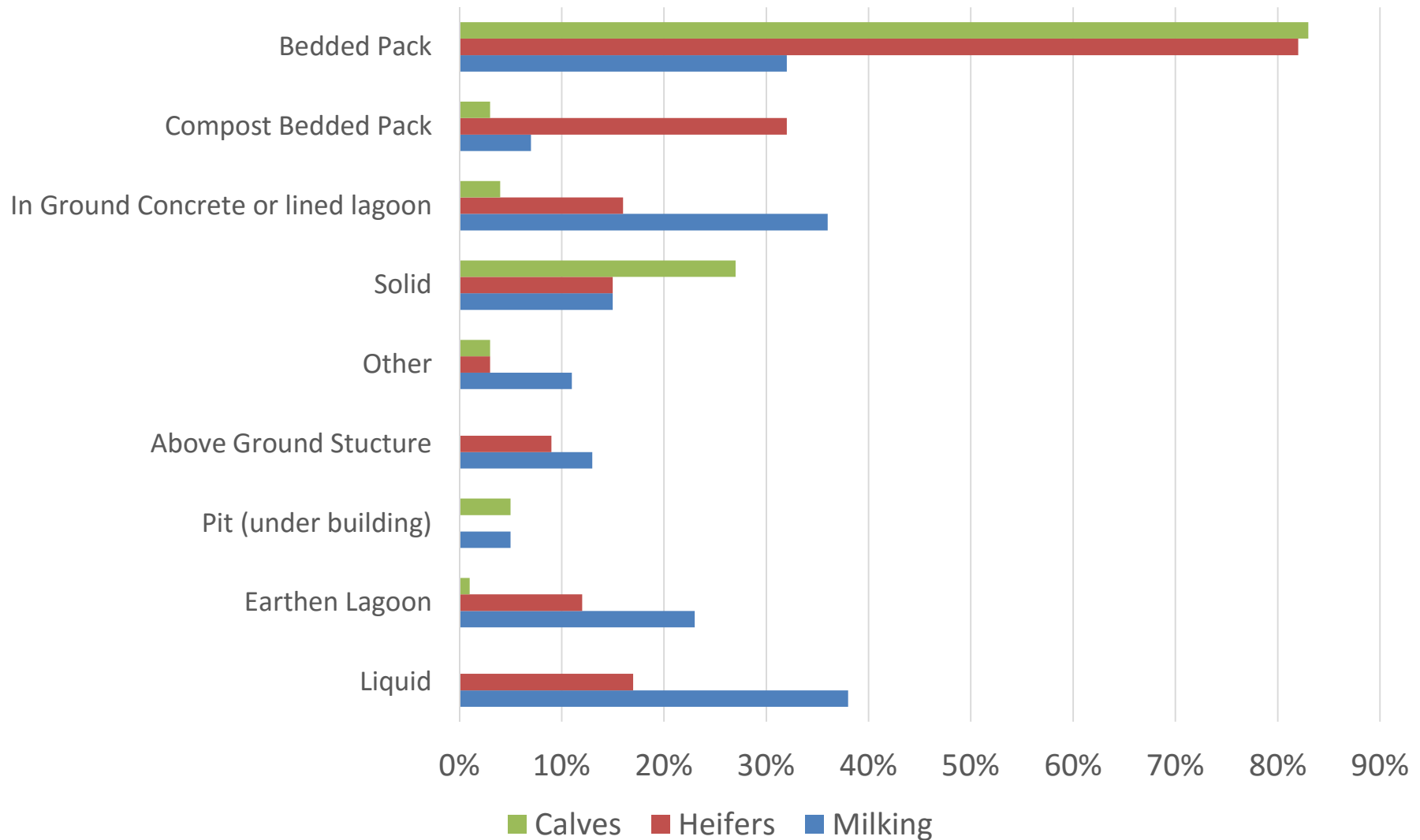
# Grade A & B totals



# Total number of Cattle



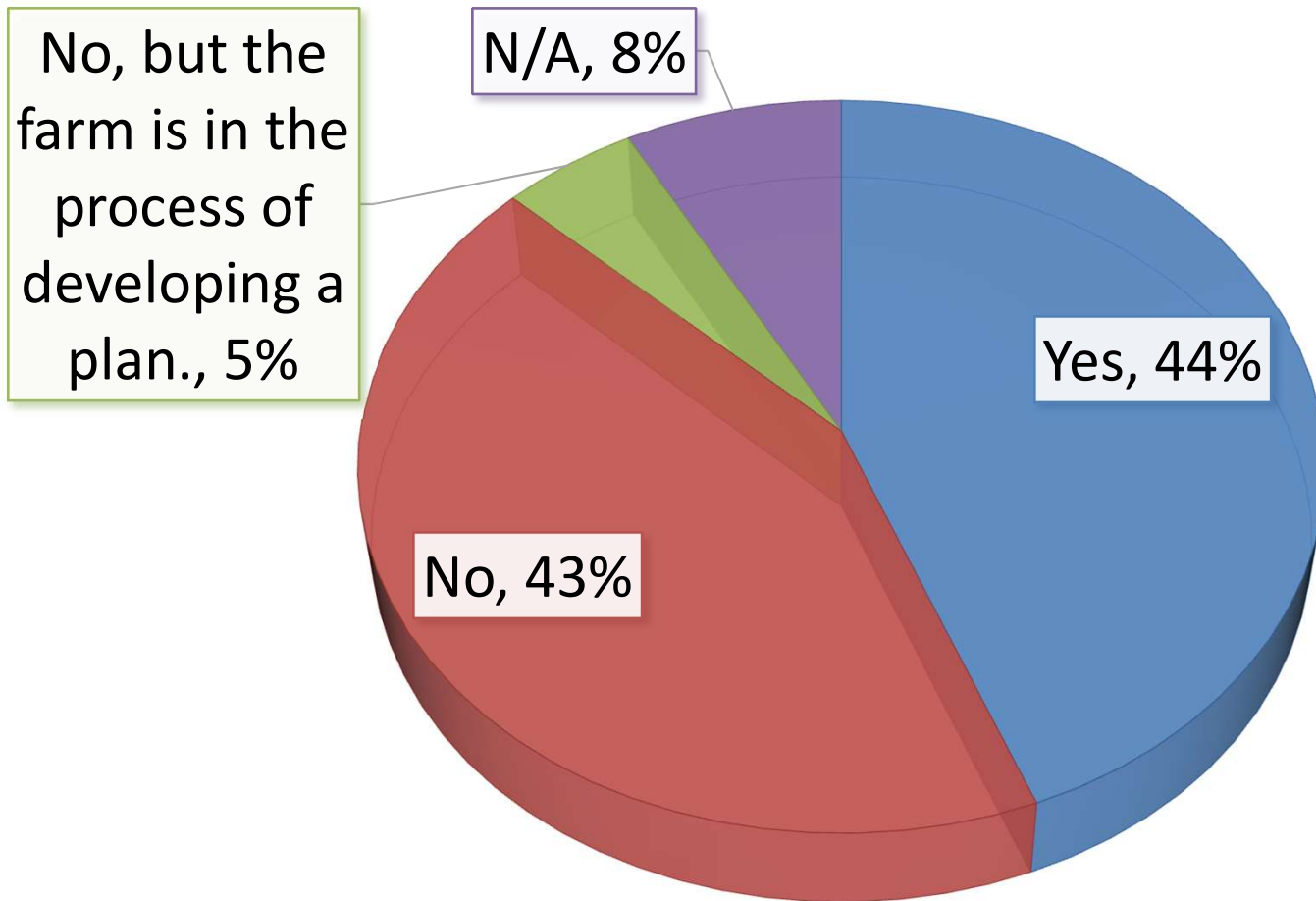
# Type of Manure storage



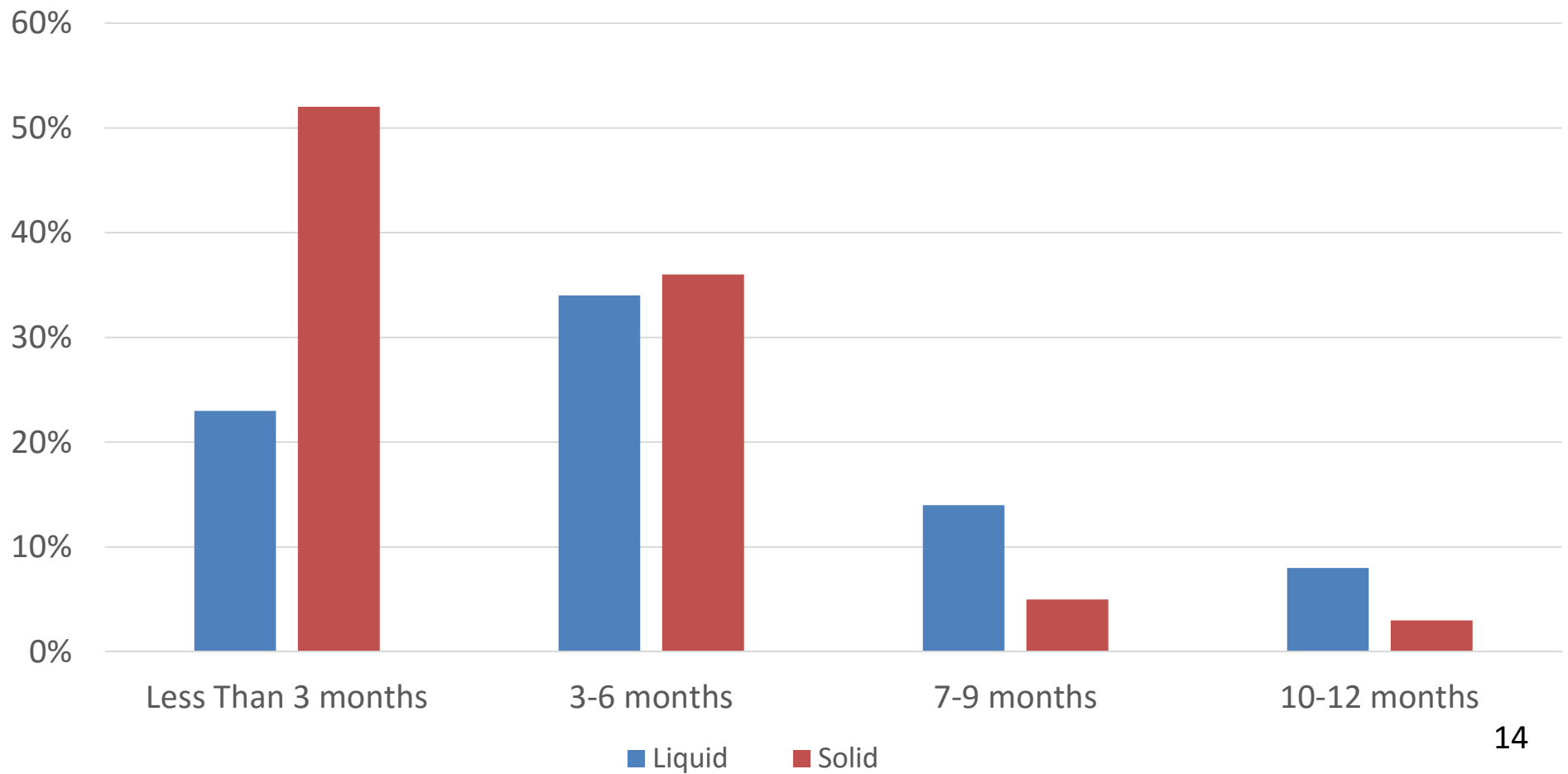
## Table of Manure storage types totals

	Milking	Heifers	Calves
Liquid	38%	17%	0
Earthen Lagoon	23%	12%	1%
Pit (under building)	5%	0%	5%
Above Ground Structure	13%	9%	0%
Other	11%	3%	3%
Solid	15%	15%	27%
In Ground Concrete or lined lagoon	36%	16%	4%
Compost Bedded Pack	7%	32%	3%
Bedded Pack	32%	82%	83%

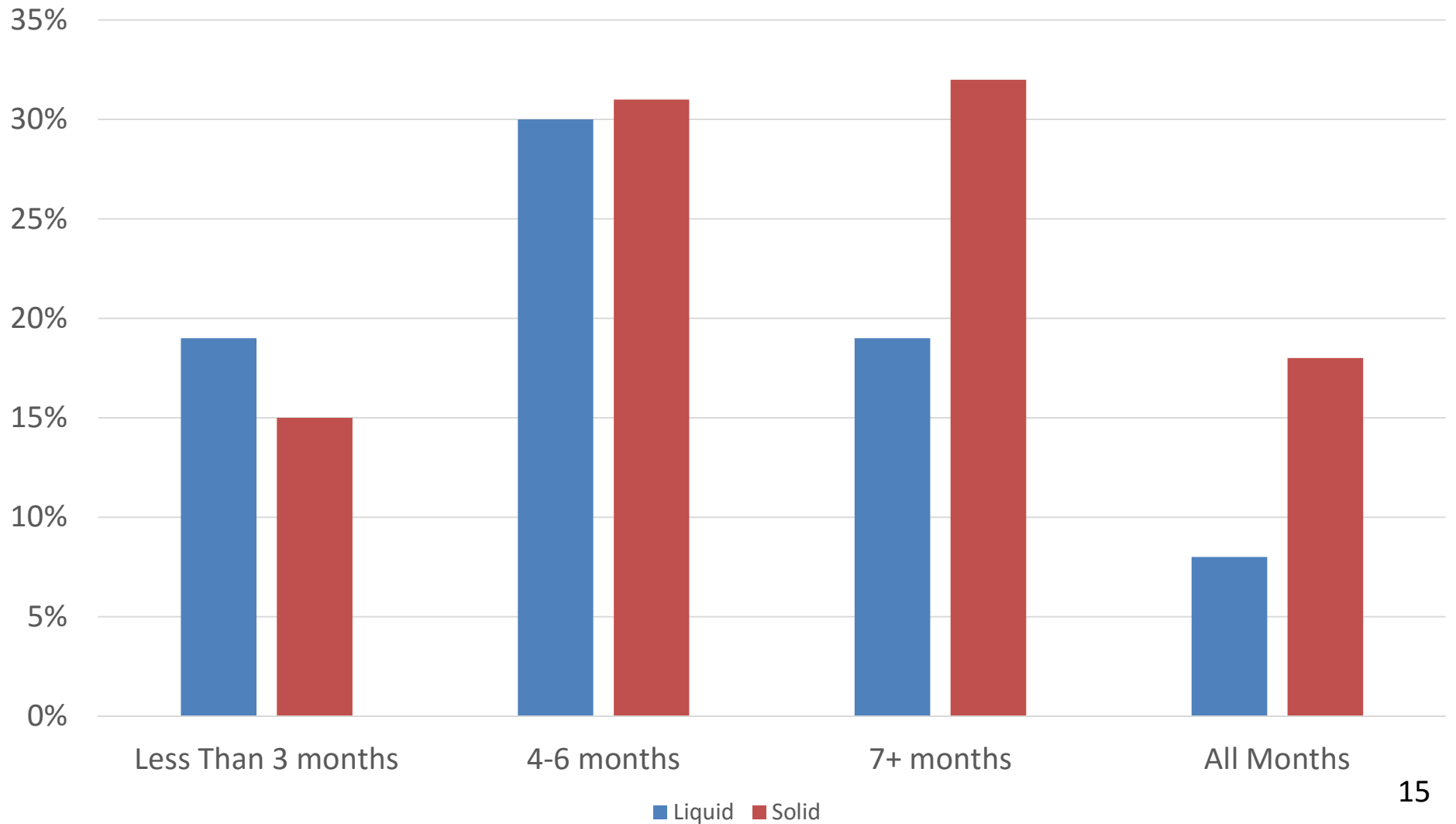
# Do you currently have a nutrient and manure management plan?



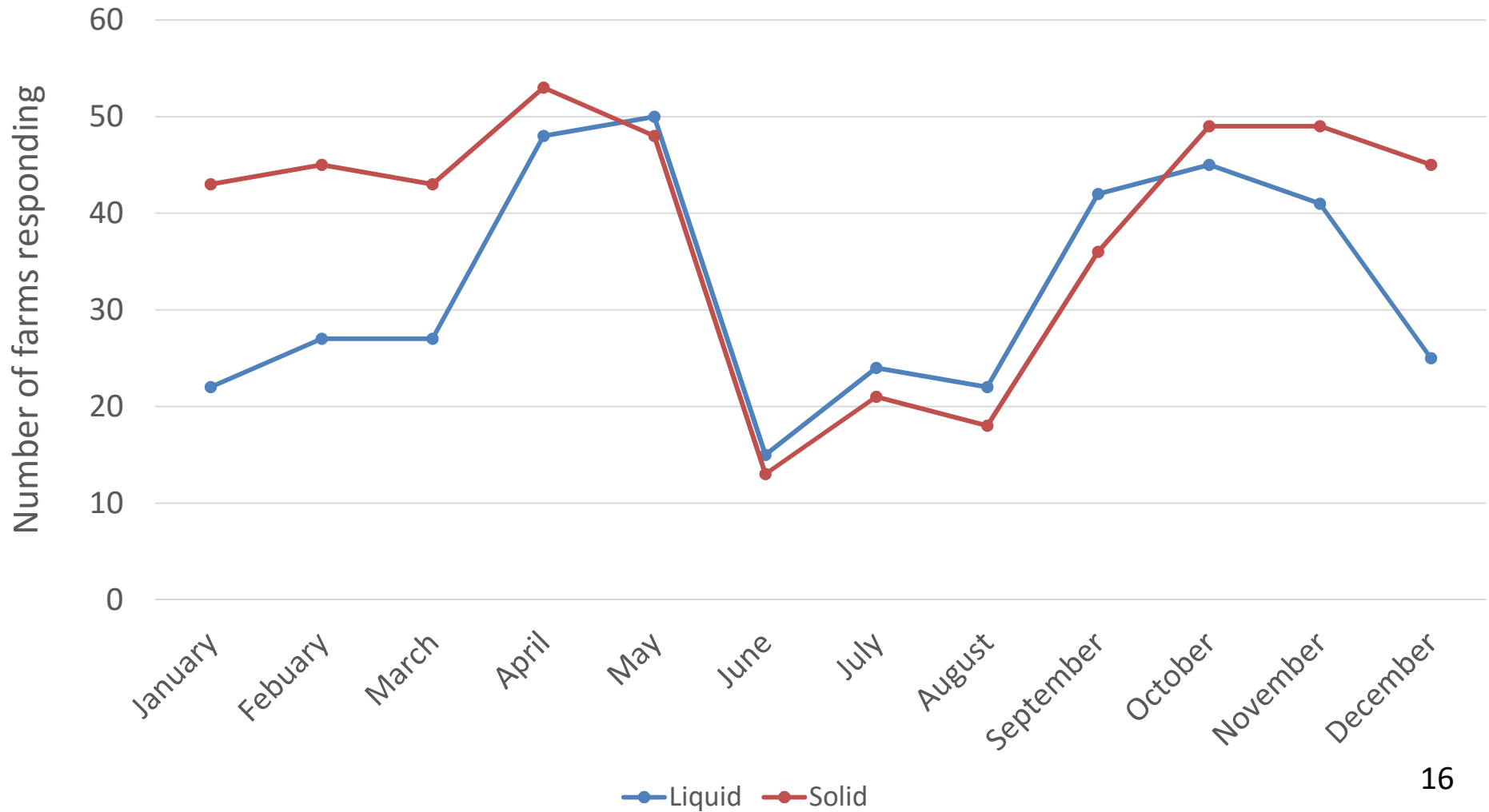
# How much Manure storage capacity do you currently have on your farm?



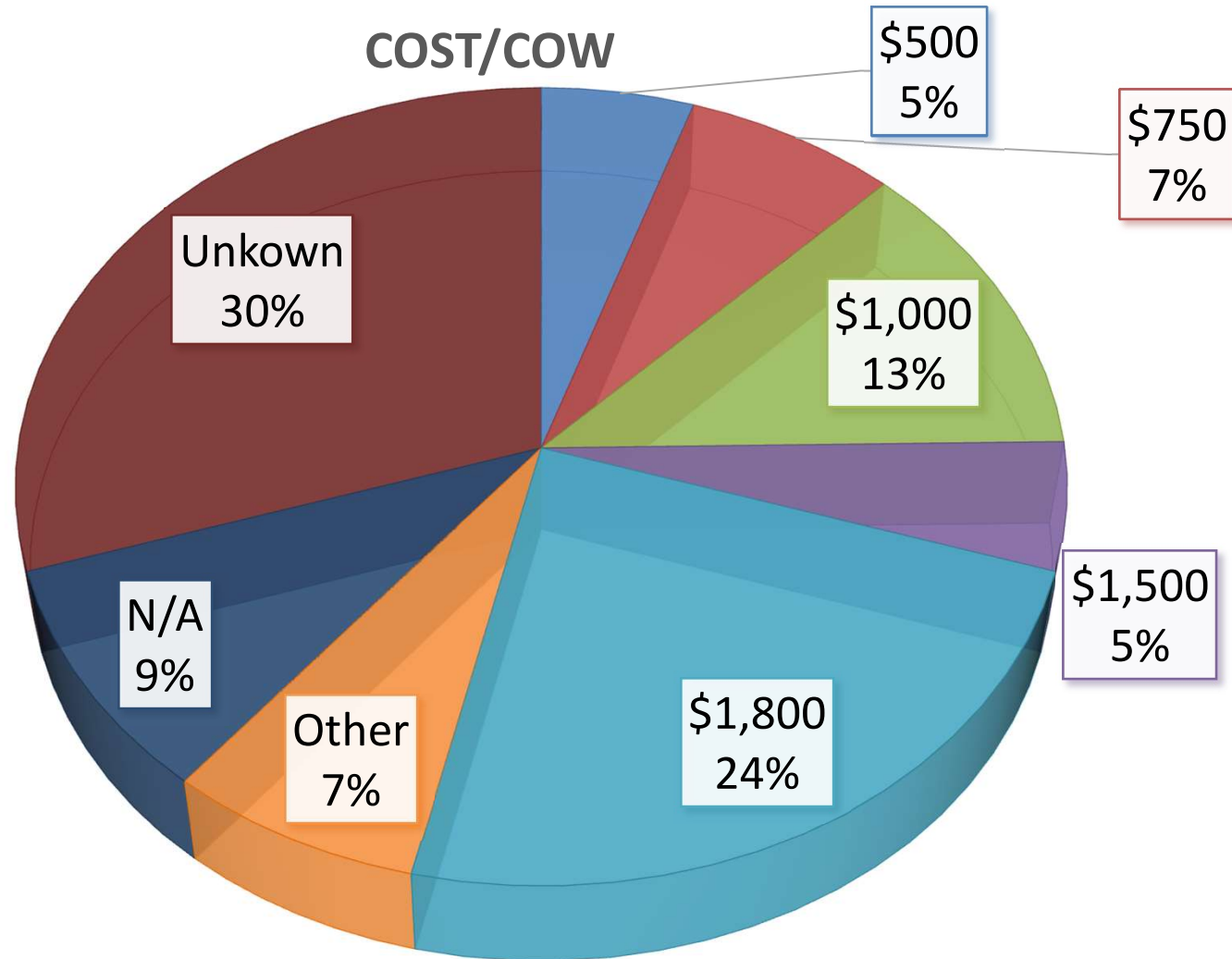
# How often do you spread manure?



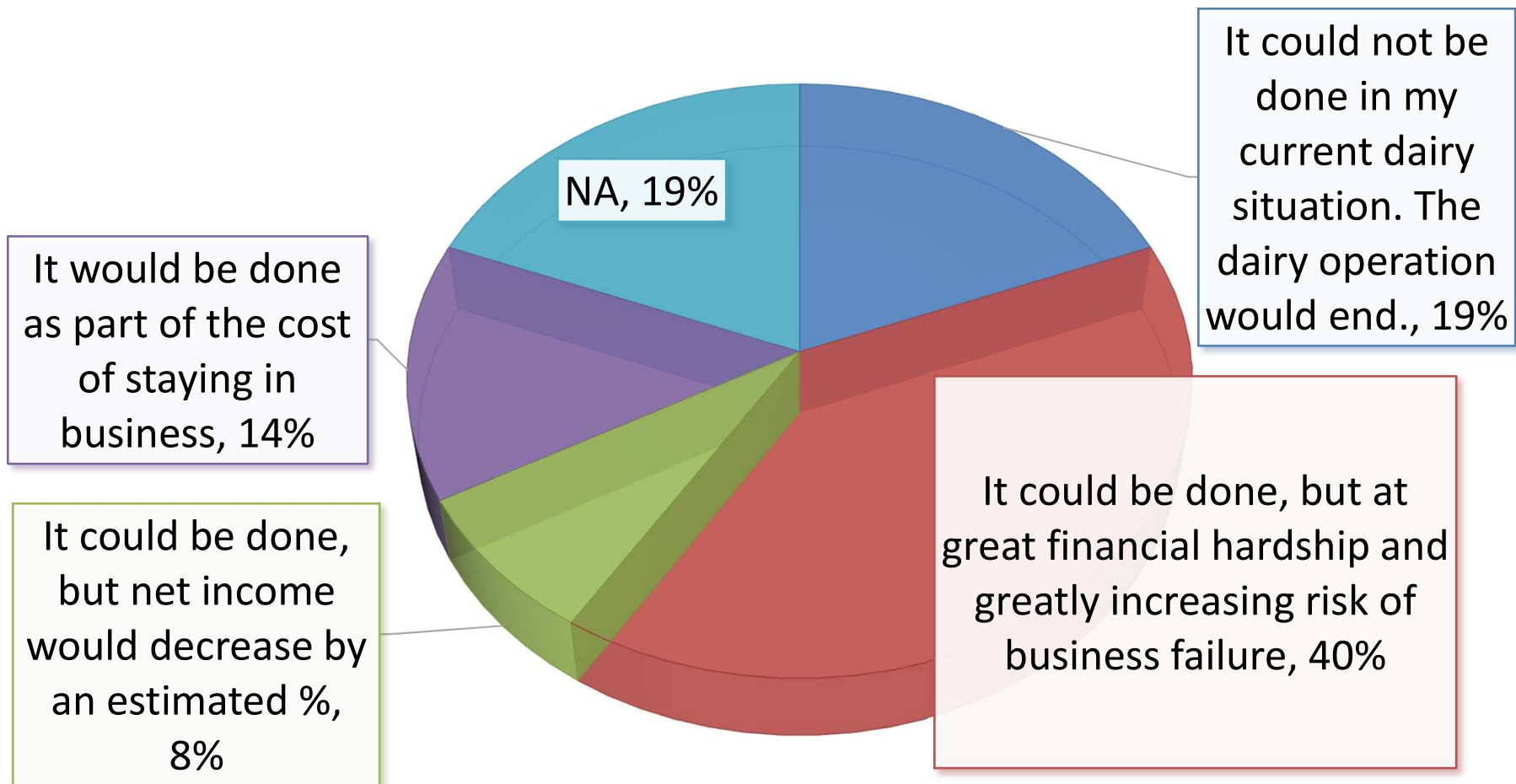
# When do you apply manure?



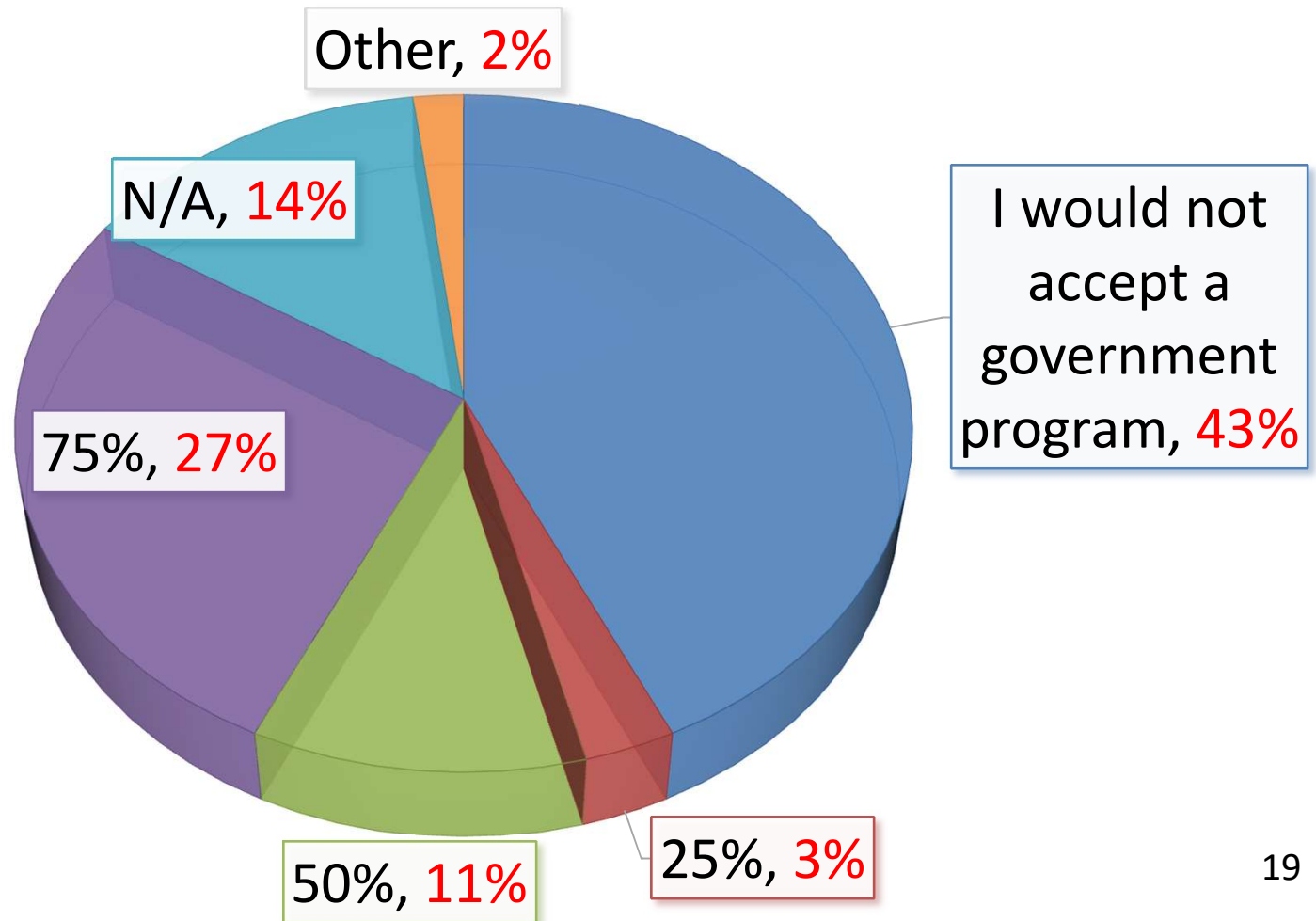
## Estimated cost to provide 9-12 months manure storage



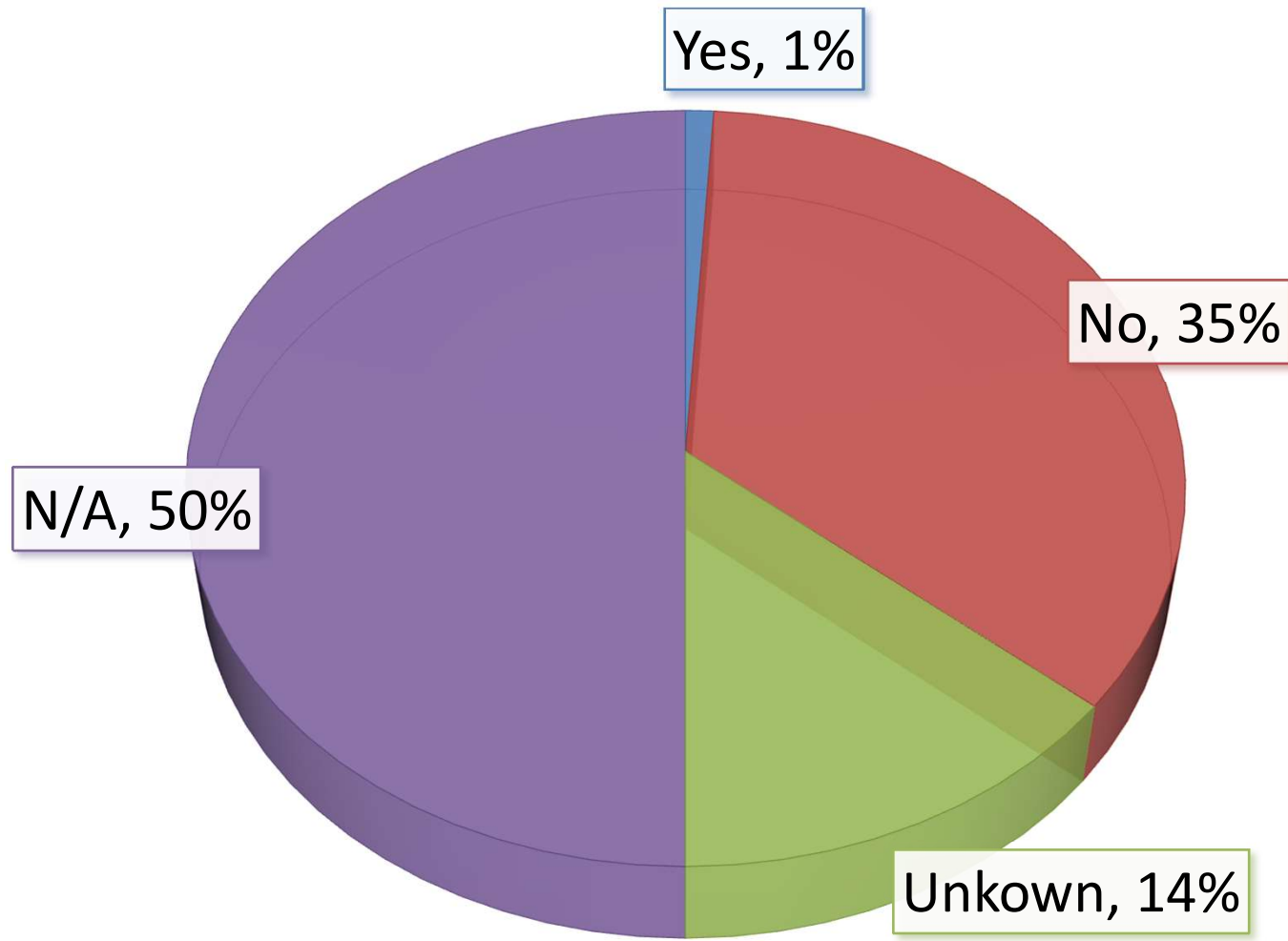
If you had to add additional manure storage capacity to provide 9-12 months storage, at your estimated cost/cow which of the following statements best describes your situation?



If cost-share was provided to help finance the cost of additional manure storage, what minimal level would be needed to insure your farm could stay in business?

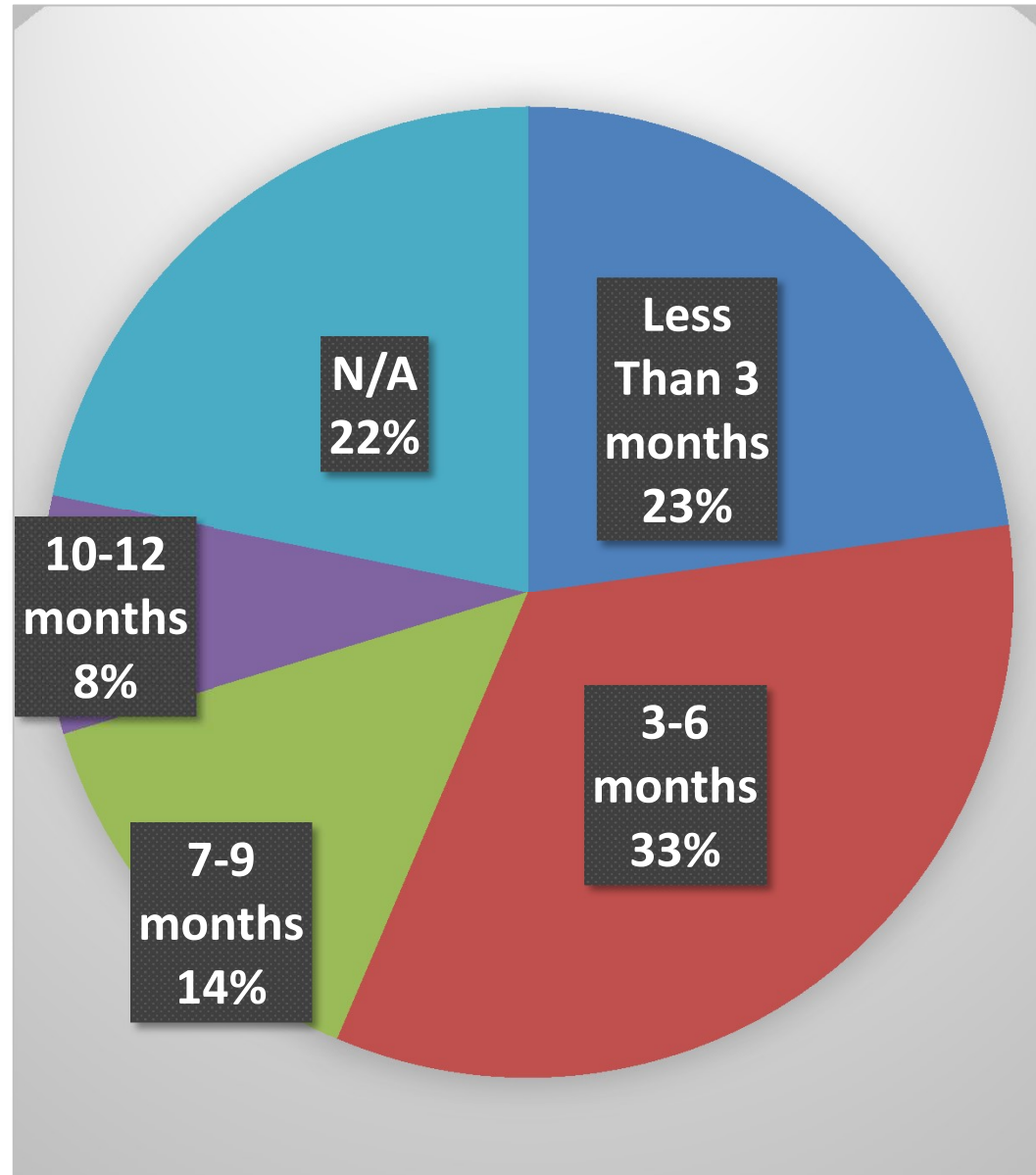


Are there options for working together with your current neighbors to accomplish the necessary storage needed to comply with S.B 1



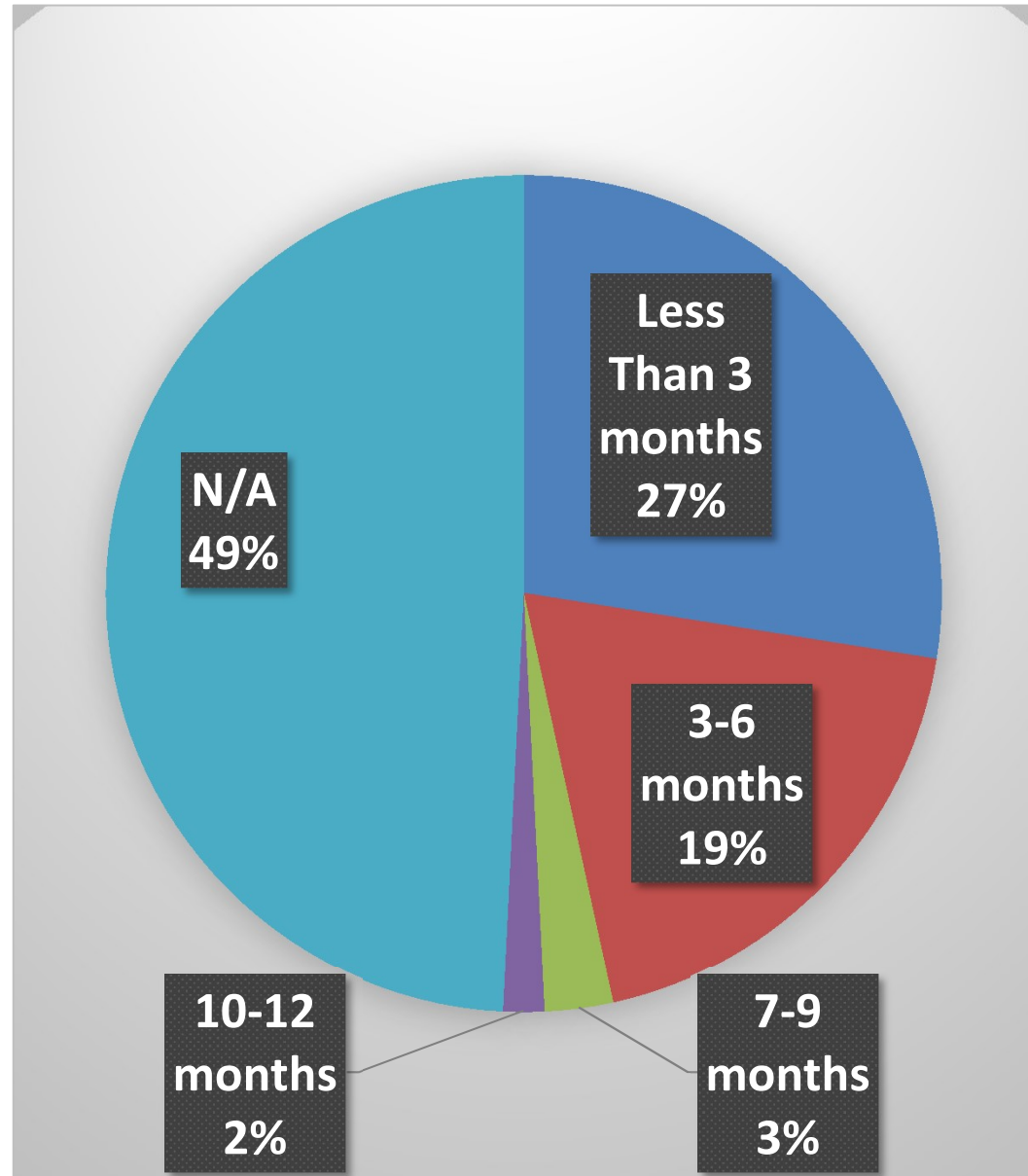
## Liquid Manure

56% of surveys returned say that farmers in Wayne County Ohio have less than 6 months of storage at this time.



## Solid Manure

46% of surveys returned say that farmers in Wayne County Ohio have less than 6 months of storage at this time.



## Quotes from Grade B Surveys collected

“We don't have much manure at all, does not seem to be any money in farming for the Amish.”

“ (We) have to haul most of manure through winter months, if I couldn't do that I would probably need a few more barns which would of course make the taxes soar again.”

## Grade A Quotes from Surveys

“In Sub teen weather liquid manure becomes a solid which blocks the flow of liquid therefore must be hauled to the field because of limited storage.”

“I would need to know the terms, (we) don't typically do business with the government. Would need to look in to this further to give an estimate. We haul solid manure year around but not as often (when) cows/animals are on pasture.”

“Haul in winter when no snow cover, mostly on pastures.”

## Grade A Quotes from Surveys

“I understand that spreading manure on frozen ground is not ideal, but if everybody hauled a years worth of manure in 2 months time in the spring and then we had a heavy rain there would be a lot of manure in the creek etc..”

“Any time the government gets involved in telling farmers what to do and how, it has a negative effect on the farming industry.”

“A lot of field tile went in the last 20 years manure gets to the creek quickly through tile. So what going to happen when Wayne County get covered with manure in April and May and along comes a 2" or 3" rain?”

## Grade A Group A2 continued

“Don't be stupid!! Do people realize what problems could incur if all farms in Wayne County Waited to haul manure in April or May? Don't be stupid!!”

“Only 3 years into dairy farm, to young to carry big debit.”

“We record manure application according to USDA/NOP organic guidelines. We haul about 1X a month and try to watch ground conditions hauling is often done in the morning when the surface is frozen but ground thaws later in the day/week. In general we haul little when the ground is frozen deep or snow covered.

## Grade A Quotes from Surveys

“We only haul manure on frozen ground as needed and even then we spread on hay fields or cover crops where there is a fare amount of residue.”

“(We) would look at lowering cow numbers to align with current storage capacity, It would depend on who would design the engineer storage more costly with NRCS.”

On question about 9-12 months of storage capacities- “This sounds like a rigged question, why would I need 9-12 months storage?”

## Grade A Quotes from Surveys

“In Winter months we inject on fields and this works well when conditions are right. We currently inject all liquid manure since 2008. We have 3 months storage and inject manure in December-March when conditions warrant.”

“We try not to haul if there is heavy rain coming. We have been injecting when possible.”

“We do not have a written plan. We do manure and field testing and apply manure accordingly.”

“We spread every month weather permitting.”

## Grade A Quotes from Surveys Continued

“I haul mostly in winter months with not manure spread on bare ground and try not to on snow or frozen ground.”

“(We) Try to empty liquid manure pit in April/May of every year.”

“We soil test, know the value of manure of try to manage as weather allows.”

“(We) spread solid manure: Depends on weather/ frozen or muddy/ or cover crop. Don't apply if I get runoff”

**In conclusion one farmer put it best..**

**“This will be a hardship for all dairy  
Farmers!”**

## Any Questions?

For more information Graphs and videos  
please visit <http://go.osu.edu/agwayne>