

*National Institute for
Animal Agriculture:
8th Antibiotic Symposium*

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Sustainable Food Animal
Production

Vaccination
Programs

Biosecurity

Nutritional
Health

Antibiotic
Stewardship

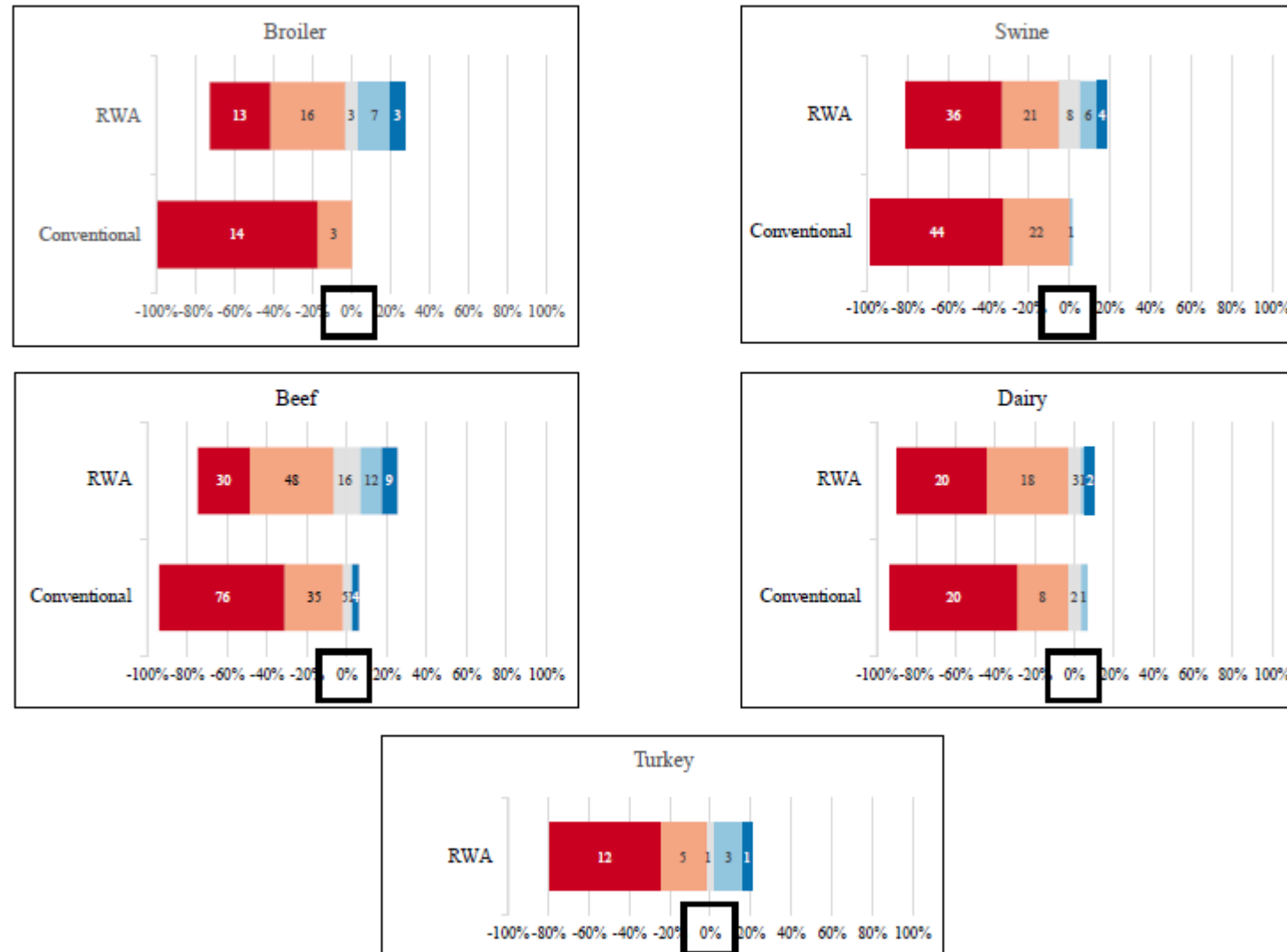
Animal Welfare

Food Safety
Mitigation

Environmental
Management

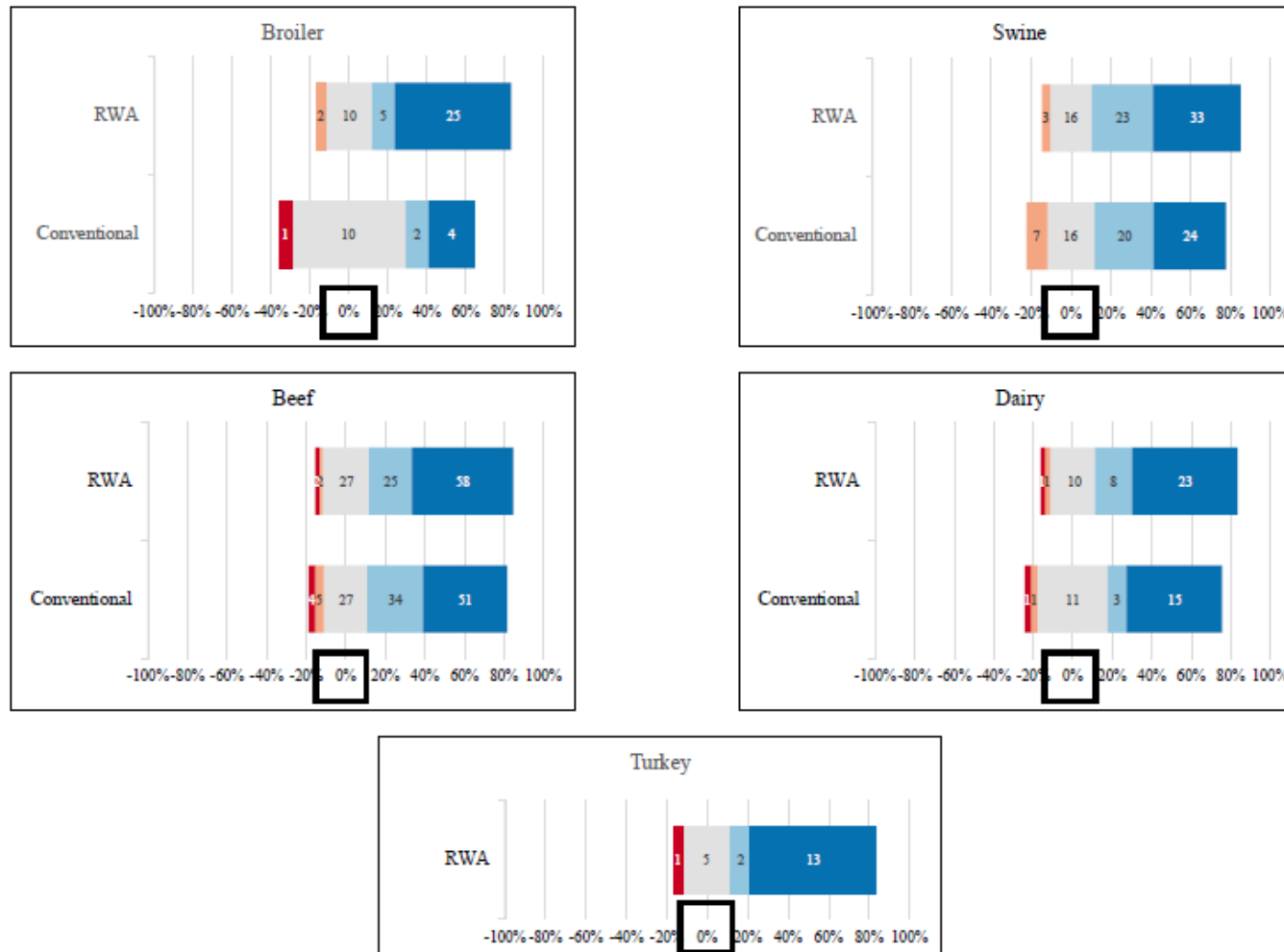
Responsible Food Animal Production

Impact on Animal Health and Welfare²

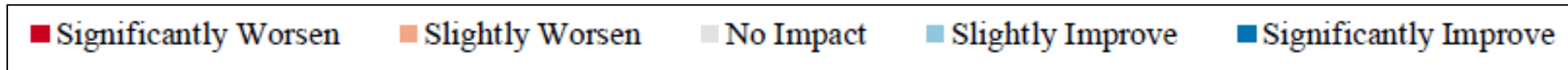


- How RWA (practice) and Conventional (perception) respondents believe RWA production will impact animal health and welfare

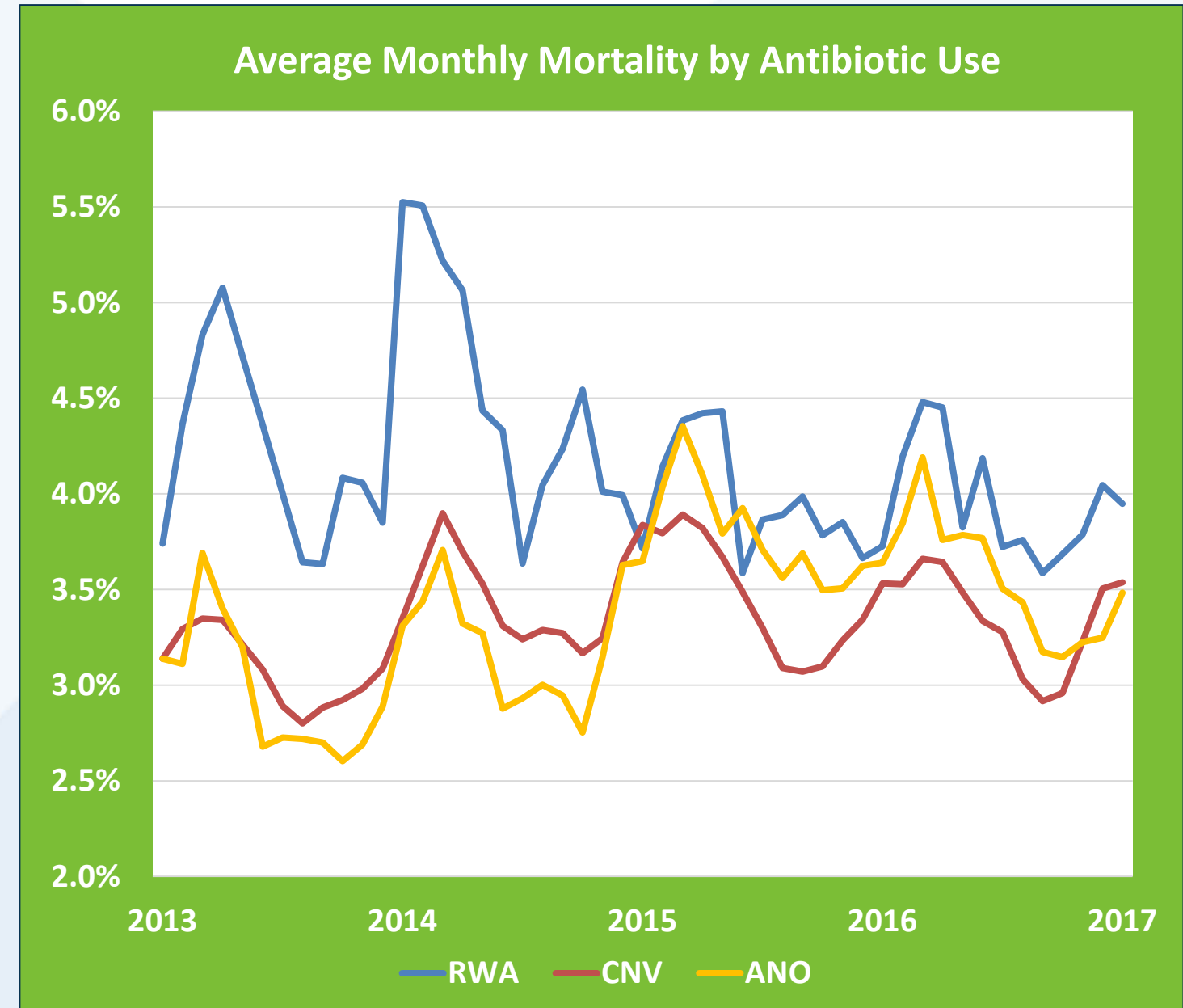
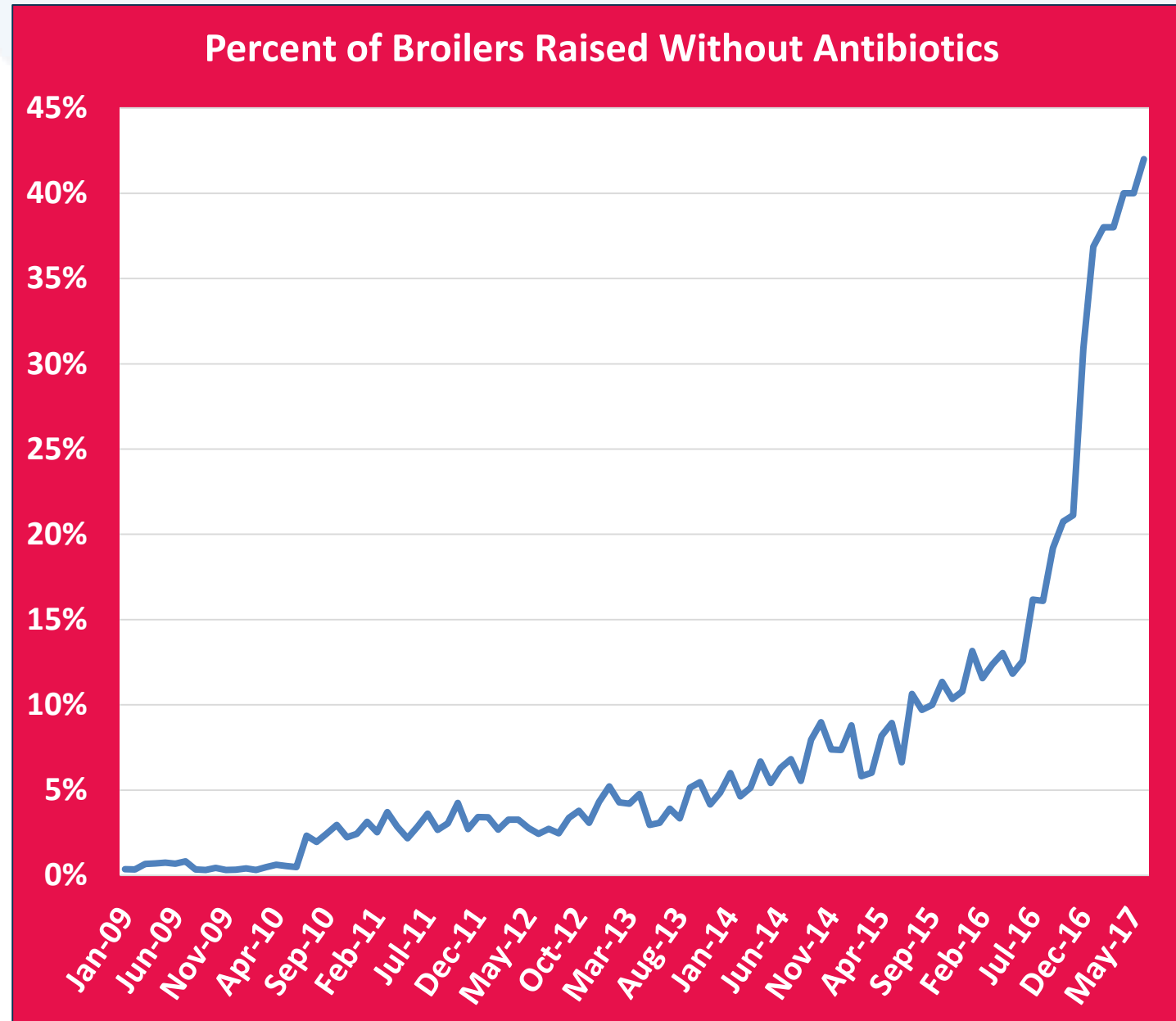
Impact on Animal Health and Welfare²



- How RWA (practice) and Conventional (perception) respondents think Customers believe RWA production will impact animal health and welfare



Broilers Raised Without Antibiotics Have Higher Mortality



RWA Compromises Animal Welfare

Decline in Bird Health

A Look at Three Serious Conditions



3.5x

greater risk of ammonia burns in the cornea,
causing burning and irritation



1.4x

greater risk of severe foot lesions,
causing lameness and decreased mobility



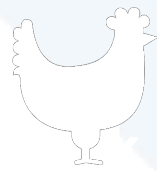
1.5x

greater risk of severe airsacculitis,
leading to death

In addition to delayed treatment and increased mortality, other symptoms on the rise.

Impact of RWA on the U.S. Market

Impact



Mortality
+24-52%



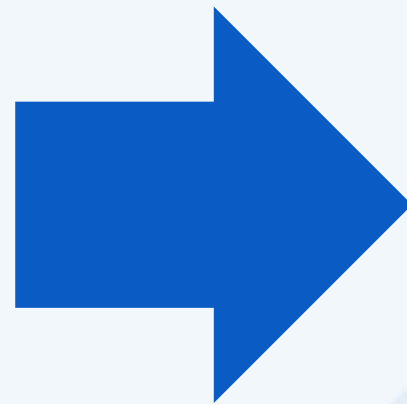
Grow-out Time
+3-4%



Bird Density
+5-12%



Cycle Downtime
+21-29%



Consequence



**Between 680 – 880
million more birds
needed to meet
demand**

RWA Compromises Sustainability

**Producing 683 to 883 million
more birds also requires**



5.4 to 7.2
million

more tons of feed/year

(Roughly equal to rail cars filled with grain that spans 655 to 873 miles)



3.9 to 5.2
thousands

more square miles of
land to grow the feed

(About 10x the size of Los Angeles)



1.9 to 3.0
billion

more gallons of water
consumed by the birds

(About the water consumed annually by 3,400-5,400 families of four in the U.S.)

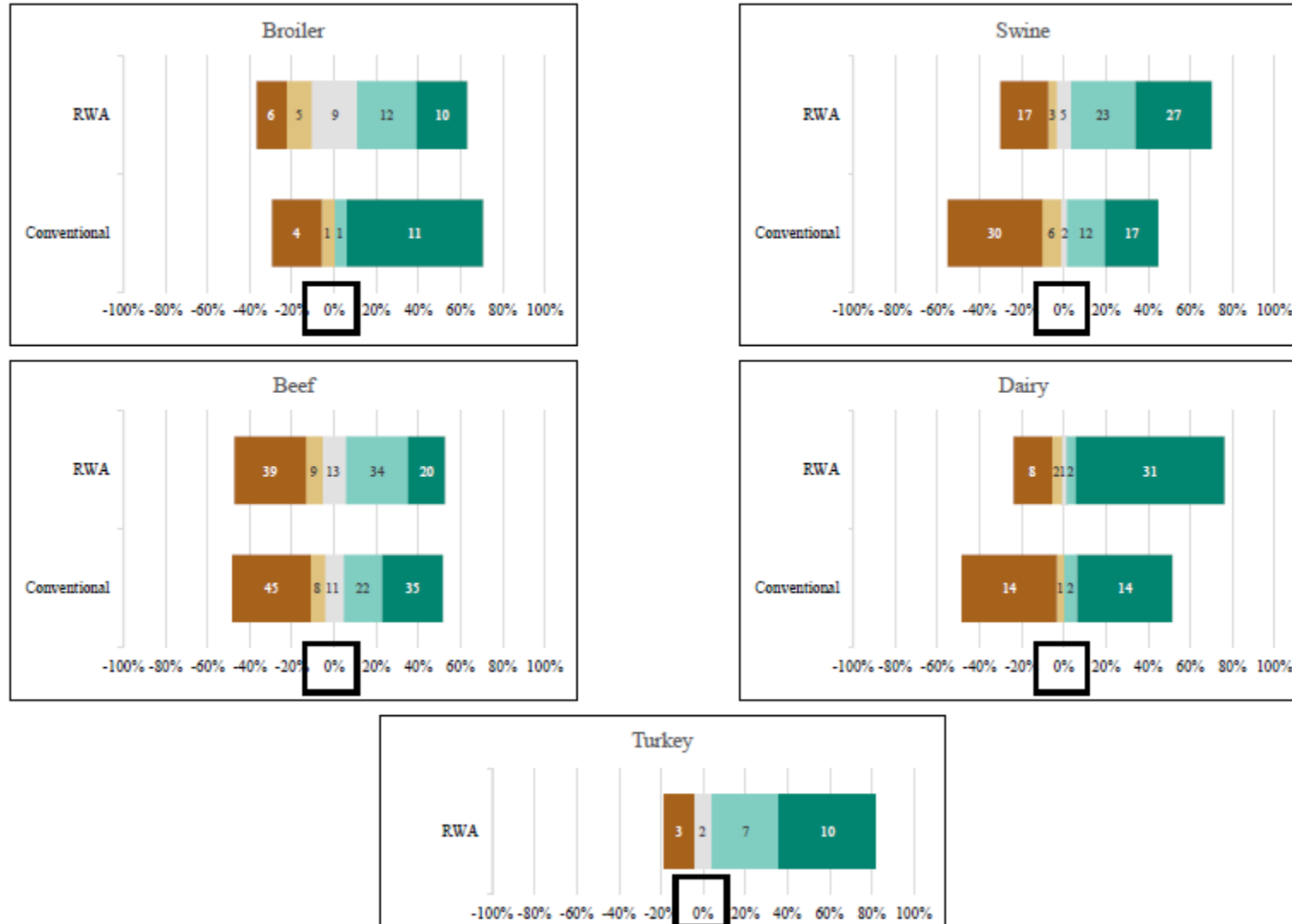


4.6 to 6.1
million

more tons of manure

(Approximately equal to the amount of sewage produced by the people in Texas annually)

Importance of Maintaining the RWA Label²



- Response to the statement “There are times that maintaining an RWA label has priority over flock/ herd health and welfare.”

