

# Research Notes

Passport Food Safety Solutions



## Finalyse reduced *E. coli* prevalence on variety meats by more than 44%.

### STUDY OVERVIEW

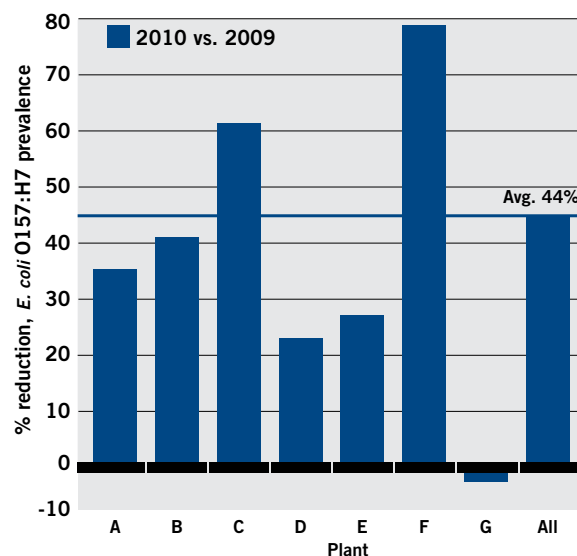
The study's purpose was to determine efficacy of Finalyse™ on variety meat *E. coli* O157:H7 prevalence across several U.S. commercial facilities<sup>1</sup>

- All cattle were sprayed with Finalyse at seven commercial beef facilities, beginning the 14th week of 2010 and continuing through the 40th week of 2010 (Apr. 1 through Sept. 30)
- Variety meat *E. coli* O157:H7 testing was conducted at each commercial facility in the same manner from 2007 to 2010
- Variety meat *E. coli* O157:H7 prevalence results were compared for the Finalyse time period in 2010 with the same period in 2009 and compared to a three-year average including 2007, 2008 and 2009
- Differences were recorded as percent reductions

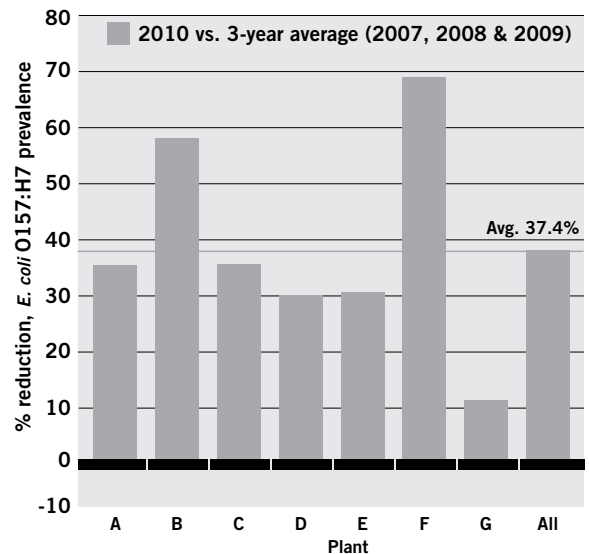
### RESULTS

- On average, Finalyse reduced the *E. coli* O157:H7 prevalence on variety meats by more than 44 percent when comparing 2010 vs. 2009 control data
- Compared to a previous three-year average (2007, 2008 and 2009), Finalyse reduced the *E. coli* O157:H7 prevalence on variety meats by 37.4 percent

**Table 1.** Percent reduction in variety meat *E. coli* O157:H7 prevalence using Finalyse vs. untreated control



**Table 2.** Percent reduction in variety meat *E. coli* O157:H7 prevalence using Finalyse vs. untreated control 3-year average



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<sup>1</sup> Weekly VM-EC7% Update – 2007-2010 ytd. August 16, 2012. Data on file.