

**Characteristics of Utah Dairy Farms Test-Positive for *Mycobacterium Avium* Subsp. *Paratuberculosis*, *Mycoplasma* Spp., or Bovine Viral Diarrhea Virus**

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Johne's disease (JD), *Mycoplasma* spp., and Bovine Viral Diarrhea (BVD) virus cause substantial financial loss to the dairy industry. Semiweekly bulk tank milk samples (n=5/tank) were tested from participating dairy farms (152/210=72% participation) in Utah and Idaho. Dairies detected positive were as follows: ELISA and quantitative real-time PCR (qPCR) for JD, 58/152 farms (38%); modified Hayflick culture for mycoplasma, 4 farms (3%); qPCR test for BVD, 4 farms (3%); these included 2 farms with JD and BVD (1%), 3 farms with JD and mycoplasma (2%). Visits were conducted to 22 dairy farms (21 JD, 2 BVD, 0 mycoplasma); 4 farms previously had mycoplasma in 2007 and were now test-negative; classic mycoplasma signs disappeared in those herds. Mean lactating herd size was 778 cows, ranging from 52-6500 cows, mean 305d milk production was 20,052 lbs, both above Utah average. Management practices reported included: feeding pooled colostrum (64%), feeding un-pasteurized milk to calves (64%), purchased animals within the last year without quarantine or testing for JD, mycoplasma, or BVD (41%), drying teats with common towel (55%), manure handling machinery coming in contact with feed (27%). 14 farms, 70% of those with freestalls, had  $\geq 30\%$  of stalls containing manure, though the goal for dairy farms is less than 5%. 19 producers described clinical signs consistent with JD and BVD (86%), yet 27% were unaware of herd status. Data suggests that dairy producers have not implemented best management practices for disease prevention despite having some disease awareness and understanding. Farm visits are ongoing.