

## An Update on Sex-sorted Semen in Dairy Heifers

The results of a large field study on sex-sorted semen in Holstein heifers were reported at the July American Dairy Science Association meeting. The conception rates to conventional and sex-sorted semen are in the following table.

These sex-sorted semen conception rates are higher than previously reported. Earlier data showed the conception rate from sex-sorted semen

at about 70% of what a herd was achieving with conventional semen. In this study, the conception rate from sex-sorted semen is about 80% of what the herds achieved with conventional semen.

The percentage of female calves born to sex-sorted semen was 90.1% .

Conception rates (%) in 49 herds reporting more than or equal to 50 services to both sexed and conventional semen. Number of services are in parenthesis.

|                            | <u>1<sup>st</sup> service</u> | <u>2<sup>nd</sup> service</u> | <u>≥3<sup>rd</sup> service</u> |
|----------------------------|-------------------------------|-------------------------------|--------------------------------|
| Conventional semen         | 56.4 (21,864)                 | 53.8 (13,389)                 | 45.4 (11,772)                  |
| Sexed semen                | 47.0 (26,465)                 | 43.1 (6,375)                  | 38.1 (2,567)                   |
| Sexed as % of conventional | 83.3                          | 80.1                          | 83.9                           |

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