

ON FARM CONCEPTION RATE RESULTS USING BOVINE ACCELLYTE II

BACKGROUND

- Glen Sachtleben, sales representative, Select Sires Member Cooperative, collected and compared data from 23 herds in southern Illinois throughout 2023 and 2024.
- For each respective year, conception rates were compared for the months of January through April (generally non-heat stress months) and June through September (higher humidity, temperature, and heat stress months).
 - In general, this data compares the best breeding months (January-April) to the worst (June-September).
- This data compared herds using Bovine Accellyte II to herds that were not.
- All data was from PCDart, DairyComp, DeLaval, and GEA software programs.
- Total number of inseminations per year:
 - 2023 - 9,980 inseminations
 - 2024 - 9,399 inseminations



RESULTS

2023:

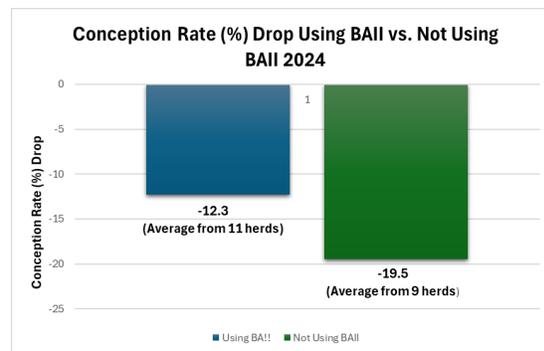
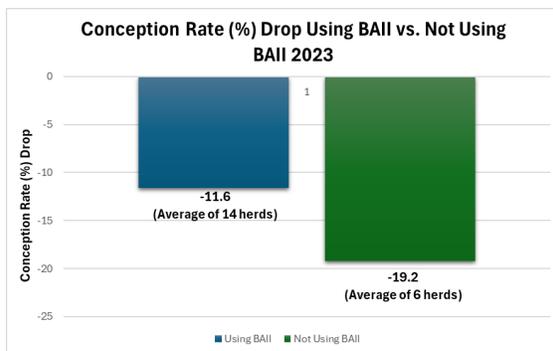
- While all herds experienced a decrease in conception rates during the heat stress period of June through September, herds using Bovine Accellyte II demonstrated a **+7.6%** advantage in average conception rates compared to those that were not (**11.6% drop vs. 19.2% drop**).
- There was a **+6%** advantage in total number of breedings and pregnancies in herds using Bovine Accellyte II (**19.7% vs. 13.7%**).

2024:

- While all herds experienced a decrease in conception rates during the heat stress period of June through September, herds using Bovine Accellyte II demonstrated a **+7.2%** advantage in average conception rates compared to those that were not (**12.3% drop vs. 19.5% drop**).
- There was a **+5.6%** advantage in total number of breedings and pregnancies in herds using Bovine Accellyte II (**19.8% vs. 14.2%**).

2023 and 2024 Combined:

- Herds using Bovine Accellyte II achieved a **+7.3%** advantage in conception rates.
- **0 of 23 herds** that used Bovine Accellyte II experienced conception rate drops, greater than 20%.
- **9 of 15 herds (60%)** that did not use Bovine Accellyte II experienced conception rate drops, greater than 20%.



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