

PPAI Informed Fertility EBVs

Melissa Stephen, Ahmed Ismael,
Ric Sherlock, Bevin Harris



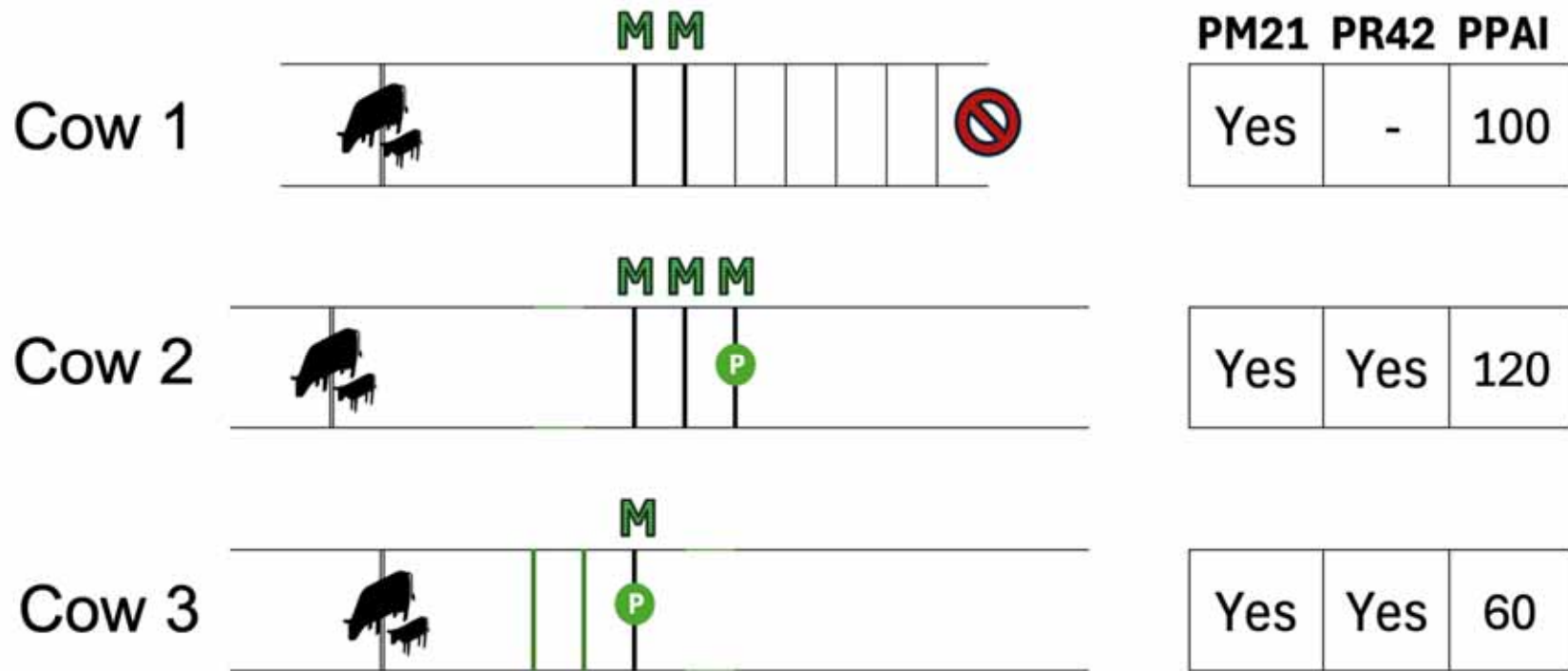
Information Gaps in Fertility Data

Heifers

- Age at puberty
- Estrous cycle length

Milking Cows

- **Pre-mating heats (calving to first heat)**
- Detection of management intervention
- **Early** pregnancy diagnosis
- Detection of pregnancy loss
- Identifying carry-over cows
- Identifying fertility-related culling
- Estrous cycle length



PM21 = Presented for mating within 21d
PR42 = Conceived within the 42d of the mating period
PPAI = Post-partum anestrus interval