

S1 file. Summary of Productivity Questions.

Survey Questions – Background Information Provided to Producers

- Separate calving groups–Herd is separated into different groups that are expected to begin to calve more than 2 months apart. Answer questions for the majority of the herd.
- Cows (includes heifers that calved the previous year).
- Heifers refers to females born last year being exposed to their first breeding this year.
- Number of females you retained that were open – Females that have been assumed not pregnant or the female was not exposed to breeding but kept in the herd.
- Number of females that you expected to calve – Females confirmed or assumed pregnant at the start of calving season.
- Number of females that actually calved - All the females that gave birth to a full-term calf (whether the calf was born alive, born dead, or died within 24 hours).
- A full-term calf is defined as having a full hair coat and fully erupted teeth.
- Number of females that aborted (observed and probable) - All the females that lost a pregnancy, delivered a pre-term calf AND any females that you expected to calve that did not calve.
- Pre-term calf - any calves with no hair or short fine hair coat and teeth not fully erupted.
- Total number of sick calves (treated/untreated and lived/died) - All calves showing any signs of being sick.
- Total number of females exposed to breeding, either by natural service or artificial insemination (AI) - even if the females do not get pregnant.

Breeding to Weaning Survey

About the '20XX' Breeding Season

If your operation has multiple breeding groups that are managed separately and calve at different times during the year (more than two months apart), then answer ALL of the following questions referring to the majority of the herd.

1. Can you provide separate data for cows and heifers for breeding?

Yes

No, I do not keep separate records for cows and heifers.
(Answer following questions under 'cows')

No, I did not have any heifers

2. Please answer the following.

Answer separately for COWS and HEIFERS, if possible. For this question, "heifers" refers to 20XX-born females exposed to their first breeding in 20XX.

	COWS	HEIFERS
Number of bull(s) used for natural service	_____	_____
Number of total females exposed to any breeding	_____	_____
Number of females exposed only to natural service	_____	_____
Number of females bred at least once using artificial insemination (AI) or embryo transfer (ET)	_____	_____

3. From the start of **this breeding season until the last day of weaning** provide the number of head for each statement below:

Number of baby calves purchased _____

Number of cow-calf pairs purchased

Number of cows purchased

Number of heifers purchased

Number of breeding bulls purchased

4. Please provide the following DATES:
(Please write the month in text, e.g., JAN-01.)

COWS

HEIFERS

Breeding season start date

Breeding season end date

Fall Weaning and Pregnancy Checking

About the Weaned '20XX' Born Calves

1. What date did you wean your calves?

Please answer separately for COWS and HEIFERS. For operations with multiple wean dates, please provide the first and last weaning dates. (Please write the month in text, e.g., JAN-01)

	COWS	HEIFERS
Wean date(s)	_____	_____

2. What was the total number of calves alive at weaning?

	COWS	HEIFERS
Number of weaned calves	_____	_____

3. For the following - *Please answer only for those cows that calved on farm at full term*

	COWS	HEIFERS
Number of calves born alive	_____	_____

Number of calves that died <i>(Between day 1 and weaning)</i>	_____	_____
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About the '2019' Bred Females

4. What proportion of your females did you or your veterinarian pregnancy check?

- All
- Selected a portion
- None

5. If you only pregnancy checked a portion of your females, please describe how you chose which ones?

6. What date(s) did you pregnancy check? _____

7. Please tell us how many females you had pregnancy checked and how many were open.

	COWS	HEIFERS
Number of opens	_____	_____
Number of checked	_____	_____

Calving Survey

About the '20XX' Calving Season

1. Do you have separate groups of females that start calving at different times of the year (more than two months apart) within your herd? (e.g. Spring/fall calving groups)

Yes

No

2. Please describe how you divided up the **breeding groups** or check Not Applicable if you do not have separate groups.

Age

Breed

Purebred vs Commercial

Not Applicable

Other: _____

If your operation has multiple breeding groups that are managed separately and calve at different times during the year (more than two months apart), then answer ALL of the following questions referring to the majority of the herd.

3. Can you provide separate calving data for cows and heifers for calving?

Yes

No, I do not keep separate records for cows and heifers.
(Answer following questions under 'cows')

No, I did not have any heifers calving

4. What date was the first, full-term (i.e. not premature) calf born in your calving season?

(Please give us the date of birth of the first full-term calf from a female exposed to breeding in your herd. Please write the month in text e.g., JAN-01)

COWS

HEIFERS

Date first full-term calf born

(Do not include purchased bred females.)

5. What date was the last calf born?

COWS

HEIFERS

Date last full-term calf born

(Do not include purchased bred females.)

6. Provide the number of head for each statement below:

COWS

HEIFERS

Number of females you retained that were open
(Pregnancy checked open or not exposed to breeding but kept in the herd.)

Number of females that you expected to calve
(Confirmed or assumed pregnant at the start of calving season.)

Number of females that actually calved
*(Gave birth to a **full-term calf** whether that calf was born alive, born dead, or died within 24 hours)*

Number of females that aborted
(Observed and probable - females that lost a pregnancy, delivered a pre-term calf AND any females that you expected to calve that did not calve.)

7. Provide the total number of full-term births for each of the following:

	COWS	HEIFERS
Number of sets of twins	_____	_____
Number of calves born dead or died within 24 hrs	_____	_____

8. From your last weaning date (*last year- 20XX*) and before turn-out for breeding (*this year- 20XX*), provide the number of head for each statement below:

Number of baby calves purchased	_____
Number of cow-calf pairs purchased	_____
Number of cows purchased	_____
Number of heifers purchased	_____
Number of breeding bulls purchased	_____