ADGG Update- Feedback, Status and plans

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Importance of recording

- Feedback from data is the backbone of the livestock industry

  in any where in the world in terms of:

  - Efficient herd management for increased productivity
    - disease control (SCC, Mastitis), feeding (condition score) fertility, animals to cull, etc
    - Herd genetic reports, lactation certificates
  - Bottom line delivers benefit to the farmer
  - Other actors in the value chain and government national policies

Feedback at the initial stages

- **Production averages:** Average yields (milk, fat and protein if available) for farmer versus averages for the area (site). These averages are categorized by breed type, Parity status

- **Fertility and Calving**: farmer averages versus area:
  - Traits: Mean Calving interval, Calving to first insemination (days), Days open, Calf mortality(%), Deformities (%) , total calves born, services/conception and Dry period. Mean condition score and heart girth measurement

Additional feedback to national or Site coordinators & enumerators

- The top percentile (10%, 20%, 40%, 50%, <50%) to which each herd in the site belongs in terms of milk yield

- Average characteristics of the top percentile herds in terms of : Average number of cows owned, Number that fed concentrates, Number with easy access to vets , Numbers that milked once, twice or thrice ; etc

- Any other management skills associated with these herds

More Complex analysis

- With time, more complex feedback envisaged:

  - Alerts due to marked changes in yield based on lactation curve (SRUC) or percentage change

  - Summaries of reproductive traits linked with ICOW cow calendar

  - Summaries of health and management traits linking Vets, extension events and farmers in an efficient way

Feedback to PAID

- Per Inseminator per month/quarter

- Number of farms visited and number of cows inseminated per farm

- Number of cows returning for service at 56 days and 120 days per farm basis

- Number of cows pregnant as a percentage of total cows inseminator per farm

- Number of live birth per cows inseminator and per cows PD positive

- Average condition score of cows inseminated per farm

- Categorize items 1 to 5 per first calvers and later calvers

Current position on feedback

- Initial scripts by SRUC for PAID are tested and are for

  implementation

- Scripts for feedback to farmers are being prepared

  - Use baseline data and monthly data collected so far

- Metabase

  - Tested and will be fully developed

More Complex analysis

- SRUC – working on issue of flat lactation curves envisaged and how to adapted to generate alerts

- Summaries of reproductive traits linked with ICOW cow calendar

- Summaries of health and management traits link to ICOW and then linking Vets, extension agents

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