**Notes for presentation:**

**40 herd survey: interview and sampling**

* General setup of study
  + 1
    - Objective 1: Assess current bedding management practices, mastitis management, animal health and milk quality on northeastern organic dairy farms
    - Housing, bedding management, mastitis incidence, BTM SCC, BTM bacteriology
  + Who are we sampling from?
    - Bins from John’s email
    - 4 different groups
  + What kind of information are we gathering?
    - Interview
      * What topics it covers
      * **Format**
        + **Mixed media**

**Audio recordings**

**Pictures**

**Open-ended**

**Multiple choice, select one**

**Multiple choice, select any**

**Short-answer**

* + - * **Medium**
        + **Tablet**
        + **KoBo**
      * **Example pictures, audio**
    - Observation sheet
      * What kind of data it collects
    - Prospective mastitis culturing
  + What samples we are collecting
    - How samples are processed/what we’ll do with each sample
  + Limitations, and what we’re doing to mitigate
    - No mastitis records, so no producer estimated incidence
      * DHIA
    - No lameness, hygiene scoring
      * No time to get us trained
      * Difficult enough to schedule a farm and pay them for 1 hours’ time, let alone have us there for entire milking
    - Difficult to get at nutrition status, trace mineral status
      * Ask about supplementation on survey, and if/how often they work with a nutritionist

**Notes from meeting 4/5: JB, TA, DN, CJ**

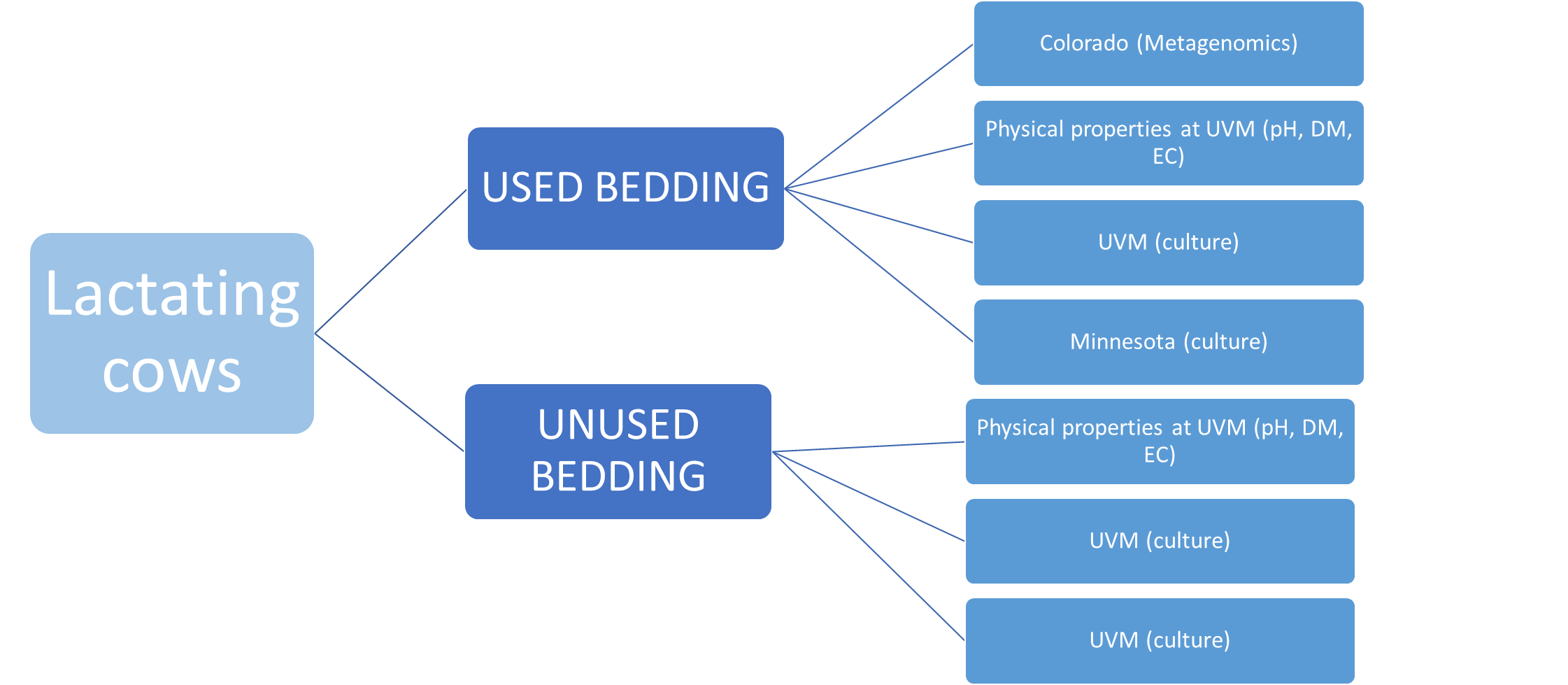
**Observational information**

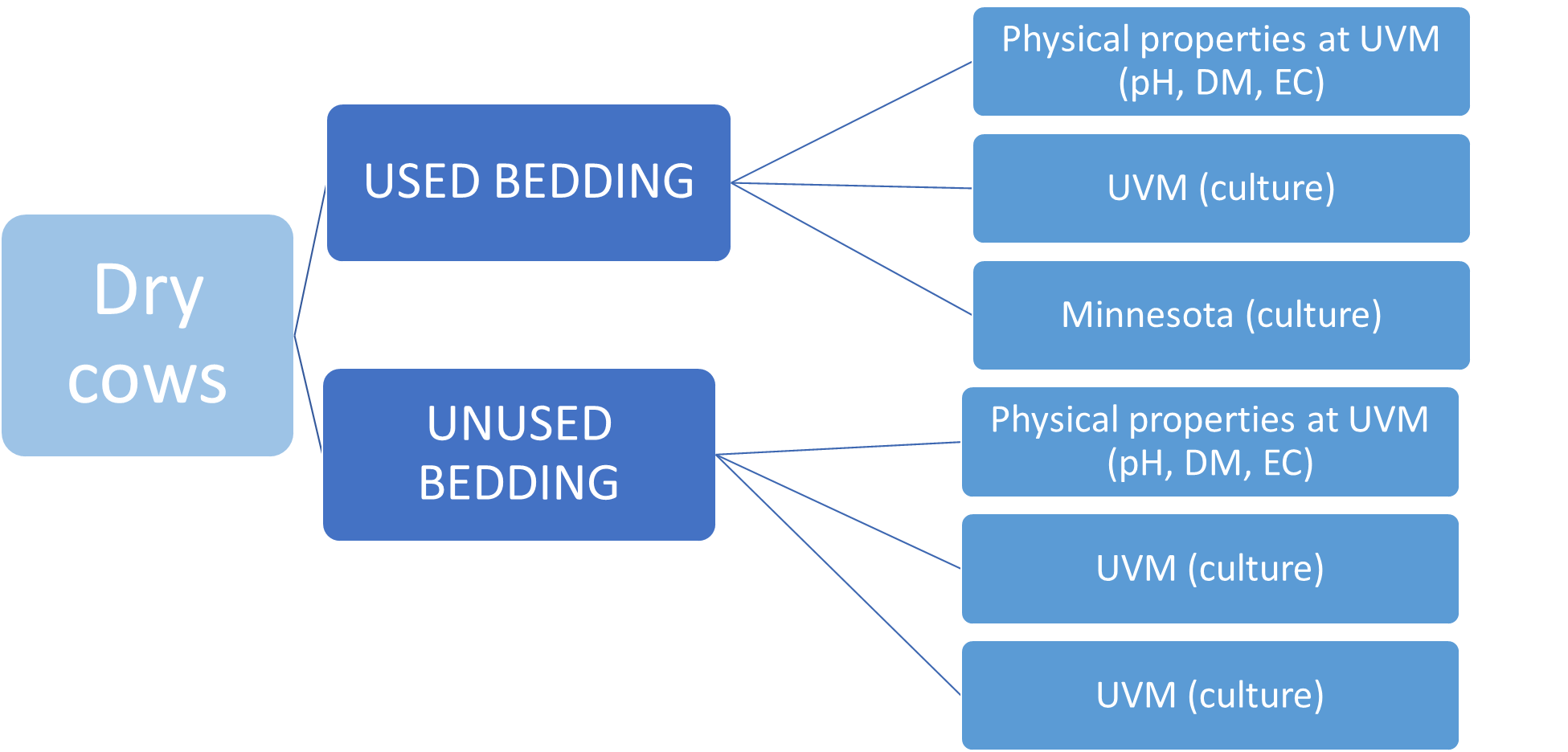
* **Are we doing BC, hygiene, lameness in this phase?**
* **What kind of information do we need for observational sheet?**
  + **Pack size**
  + **Air flow**
  + **Outdoor pad description**
  + **Rows of stalls vs. alleys and feed bunk, waterers**
* **Samples**
  + **What are we getting?**
  + Bedding? From where? Dry and lactating? **Yes, but dry cow for separate study?, lactating cows where they congregate during the winter**
  + Milk- **BTM**
    - **John has sheet with how to collect BTM milk (includes temp)**
  + Manure? **No**
* Phone enrollment script
  + **Add in asking if they’re aerated or static**
* Status of enrolling with DHIA or not?
  + **Yes, we’ll enroll farms in DHIA**
* Final decisions on stratifying
  + 4 vs. 3 groups- **4!**
  + Testing- **we’ll pay**
* What’s our cutoff for bedded pack? Should we further clarify this trying to enroll them?
  + **Call 5 all bedded packs right now, worth a call asking how much % time spent on pack for combo farms**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **DHIA monthly** | **No monthly test** | **Totals** |
| **Tie W** | **35** | **11** | **46** |
| **Free W** | **11** | **4** | **15** |
| **Free S** | **4** | **10** | **14** |
| **Bedded- only** | **6** | **3** |  |
| **Bedded-combo** | **7** | **3** | **total pack = 20** |

**Notes from scientific advisory meeting 4/6:**

* Sandra recommends showing producers how to get good milk samples
* Sarah recommends asking if they dropped DHIA, how long ago they did it
* Bedding material considerations
  + Physical properties:
    - pH, dry matter, electrical conductivity
  + Considerations:
    - Capture how old is bedding, when was this pile delivered, when it was last tilled
    - Consistency in sampling
  + Further experiments
    - Autoclaved bedding vs. not
      * Is it microbes or environmental factors that are suppressing growth, if growth is suppressed?
* 10 herd study
  + Lameness
  + BCS
  + Teat-end scoring

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