



Items on this page replace or supersede items previously published in the April 1st State Fair Book.

4-H Division State Fair Updates

June 2, 2022

POULTRY

The SD Animal Industry Board (AIB) continues to monitor the spread of highly pathogenic avian flu throughout our state. Should it become necessary for the AIB to terminate poultry shows this summer, we will communicate that out to our exhibitors quickly. Please make good choices in the meantime.

MARKET ANIMALS: SWINE, SHEEP, GOAT and BEEF

Thanks to the substantial enthusiasm and additional help of our partners, we have added two 'guidepost' rules to aid the competition ethics provisions described in the Livestock Integrity Pledge. We appreciate these new investments in the South Dakota 4-H Division's State Fair livestock shows that are free to our exhibitors! Details below:

Free DNA Comparison Testing

A. DNA Collection Procedure for Families

1. **PICK UP ENVELOPES:** Between now and **July 1st**, families wishing to exhibit Market Swine, Market Goats, Market Sheep and/or Market Beef at State Fair will pick up one DNA envelope for each animal that will be entered at State Fair from their County Extension Office. *If your county is currently without an SDSU Extension Professional, please request your DNA envelopes directly from Kasee Hieb by emailing Kasee.hieb@sdstate.edu.*
2. **COLLECT DNA SAMPLE:** Families will then collect DNA from market animals intended to compete at State Fair. This sample will be referred to as *Sample A*.
 - a) Please use the "DNA Sample Collection Instructions" at the following link to properly collect this DNA from each animal.
<https://vgl.ucdavis.edu/sites/g/files/dgvnsk8836/files/files/page/Livestock%20Sample%20Collection%200.pdf>
 - b) You may also view the YouTube videos below to assist with DNA collection. NOTE: Any dates or specific Purdue information in the videos are not reflective of SD 4-H deadlines.
 - Swine DNA Collection Video
<https://www.youtube.com/watch?v=O5ytoeQLHuc> (0:00 - 2:39 minutes)
 - Beef DNA Collection Video <https://www.youtube.com/watch?v=DCT-SGv8Z6o> (0:00 – 1:57 minutes)
 - Sheep and Meat Goat DNA Collection Video
<https://www.youtube.com/watch?v=KyX83daT-UU> (0:49 – 5:43 minutes)





3. **RETURN ENVELOPES:** After collecting DNA from each animal, return your completed envelopes to the County Extension Office by **July 1st**.
 4. **MARK 'YES' or 'NO' IN 4-H ONLINE:** There has been a question added to 4-H Online indicating if DNA was collected from each market animals. Families must go into each market animal on 4-H Online and select "YES" if they collected DNA for that animal by **July 1st at 11:59 p.m. CST**. If DNA has not been collected for that specific animal, the family will mark "NO" and the animal will not be eligible to compete at State Fair.
- B. KEY DNA NOTES
1. **STATE FAIR DNA COLLECTION:** The top five market animals in each show division will have a DNA sample collected by Show Officials and will be marked *Sample B*.
 - a) Consequences: Should an animal's *Sample A* and *Sample B* not match, the affected exhibitor will be excluded from 4-H recognition (e.g., premiums) when the official results are released a few weeks after the fair.
 2. **DNA SAMPLE SHARING:**
 - a) DNA procedures for other livestock shows are the responsibility of the exhibitor. South Dakota (SD) 4-H does not share DNA samples with other shows (e.g., Aksarben).
 - b) Likewise, other entities do not share their DNA samples with SD 4-H. So, if you have already participated in another entity's DNA process for this year (e.g., beef boosters, Aksarben), you must still complete the SD 4-H specified process as outlined to be eligible to compete at the SD State Fair.

Market Animal Weigh-backs

- A. State Fair Weigh Back Procedure
1. The top five Market Swine, Market Goats, Market Sheep and Market Beef in their respective State Fair show division will undergo weigh-back testing by Show Officials at the conclusion of each division drive.
 2. This weight will be compared with the initial weight of the animal during check in to determine the percentage of weight gain or loss.
 3. Should an animal's weight vary by more than 5.00% from weigh-in to weigh-back, the animal will be excluded from the final drive.

