



**Tennessee 4-H Shooting Sports Archery Invitational  
State 4-H Qualifier for the National 4-H Championships**

**The Clays at Lone Oaks Farm, Middleton, TN**

**September 16, 2023**

**Pre-Registration Deadline via County Extension Office – September 2, 2023  
(No Extensions)**

**Onsite check-in at 8:30 A.M. for all participants.  
Equipment Check for all participants at 9:00 A.M.**

**SPECIFIC ARCHERY COMPETITION RULES AND GUIDELINES**

**Please also read the General Rules and Field Archery 101**

- 1. DIVISIONS:**
  - A. Recurve
  - B. Open Compound
- 2. Age Classes:** There will be one age class: Senior – 9th-12th grade this fall and those who have already graduated this past May. (8th–12th grade as of January 1, 2023)
- 3. Entry Fee:** There is a \$20.00 fee per entry
- 4. Entry Limit:** Only those individuals who qualified during the Spring Jamboree will be eligible to participate.
- 5. Range Personnel:** Scorers, range safety officers, and volunteers will be designated and assigned by the Discipline Superintendent. These individuals are not allowed to coach while competitors are shooting.
- 6. Equipment:** Check the equipment standards chart for approved equipment. Also, all equipment must be checked at the assigned time by a range official prior to competing on the day of the event. **Absolutely NO Range Finders on the 3D Course (not even spectators)**
- 7. Coaches:** 1 certified coach per 5 participating members will be allowed in the coaching area.
- 8. NGB Rules:** National 4-H Shooting Sports Committee Guidelines

**9. EQUIPMENT STANDARD FOR COMPOUND AND RECURVE DIVISIONS**

Open Compound division will be open to any compound bow, including Genesis. Arrows for all divisions must be provided by the participant. All equipment will be subject to inspection. Any bow that uses pulleys or cams is deemed a compound.

	<b>PERMITTED</b>	<b>NOT PERMITTED</b>
<b>RECURVE</b>	One adjustable sight pin or multiple hunting style sight pins may be used; clicker and kisser buttons permitted; front and rear stabilizers; V bar stabilizers (given provision that v's extend forward and back and not to the sides); Participants may have as many sight pins as deemed necessary; Torque compensators are permitted. 60 lb. maximum draw weight.	String peeps and mechanical release aids; draw keeps; sight lens or lens kits; no electronic components.
<b>COMPOUND</b>	Release aids; String peeps, optical sights; spirit levels; front and rear stabilizers; V bar stabilizers (given provision that v's extend forward and back and not to the sides); 60 lb. maximum draw weight. Multiple pin sights allowed.	Overdraws may not place the arrow rest further than 6 cm from the pivot point of the bow; No electronic sights
<b>ARROWS for both disciplines – must be supplied by shooter and marked to be distinguished from others' arrows</b>	Minimum arrow weight of 5 grains/pound of bow draw weight.	No arrows larger than 27/64ths (.422 inches diameter for arrows and .425 inches diameter for points maximum) diameter are permitted.

**10. Course of Fire:** FITA: 3 ends of 5 arrows each at 30 meters, 3 ends of 5 arrows each at 40 meters, 3D: 10 stations, Field: 7 field archery targets. Each shooter will have five arrows that are unique to that shooter, for scoring purposes. Both FITA distances, 3D, and Field will be shot by all competitors. See attached sheet for information on Field Archery.

**11. Target:** FITA: 80 cm faces, standard 3D targets, and 20 cm - 50 cm faces based on distance.

**12. Distance:** 30 meters, 40 meters for FITA, undefined distances of 40 yards or less for 3D, and marked distance 40 yards or less for Field.

**13. Time Limit:** 4 minutes per 5 arrow end and 2 minutes at the stake for 3D. Field is not timed, however competitors must keep the pace of the course.

- A. 3D TIME: Two minutes to shoot your arrow from when you step up to the stake, or after the archer ahead of you leaves the stake.
  - a) You **MAY NOT** glass the target from the stake after your shot. You **MAY NOT** adjust your sight after you have drawn and let down. You **MAY NOT** adjust your sight after glassing the target **AT** the stake.
- B. In the case of a lost arrow you have two minutes to look then move on to the next target. Mark where the arrow was lost and you may return to find it later. (copied from the General Archery Rules for National Contest)

**14. Scoring and Placing:** All scoring will be individual only and use total scores to calculate an overall modified percentage.

- A. 80 cm face: 10-1 from the center outward. Inner 10's (10x) will be recorded, but no

additional points will be awarded. Any arrow that bounces off the target will be recorded as it struck the target by marking shots (not reshot).

- B. **3D:** Center X = +11, Center Vitals = +10, Outer Vitals = +8, Any non-vital hit on the body color of the target = +5, Witnessed Bounce Back counts as a +5 (not reshot), Complete Miss = 0. If the arrow lands past the target it is considered a glance off, not a bounce back). The 14 ring will not be in play. Contact a range official for any questions.

Vitals area and scoring of 3D targets



Delta McKenzie 3D Targets

Rhinehart 3D Targets

- C. **Field:** Center Black Rings = 5 (Xs will be recorded, but no additional points), White rings = 4, Outer Black Rings = 3, Witnessed Bounce Back will be recorded as it struck the target by marking shots (not reshot), Complete Miss = 0



- D. **ROBIN HOOD:** If a shot arrow sticks in an arrow already in the target, or hits an arrow and falls out, and the arrow it hit can be determined it will score the value of the arrow it is stuck in or damaged, if not then it will be re-shot before moving to next target. If the arrow deflects off another arrow then sticks in the target it will score the value of where it sticks in the target. (copied from the General Archery Rules for National Contest)

**15. Tie-breaking:** Tie break will be done to establish the placing of individuals. Tie breaks will be determined by:

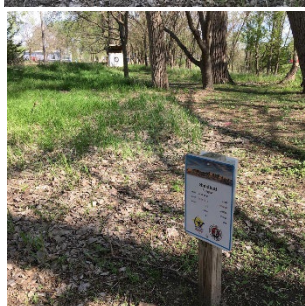
- Number of total X's in: FITA, Field and 11's in 3D.
- Number of X's at the longer distance in FITA.
- 40 meter score in FITA
- 30 meter score In FITA
- 3D Score.
- In a format decided upon by the management

## **Field Archery 101**

Field Archery is one of the most technical competitions for competitive archers with its roots based in the National Field Archery Association. There will be signs at every target that will guide you through which distances you will shoot and markers in the ground will indicate shooting positions.



When you see different distances listed on the sign that indicates that the target is what we call a Walk-Up target. You will shoot one arrow at each distance starting at the farthest stake, working your way up to the target.



When you see 4 of the same distances listed on the sign that indicates the target is a Fan target. On a Fan target, you will shoot one arrow from each stake, rotating positions with the other shooters in your group from left to right.



If there is a single distance listed, all of your arrows will be shot from the same distance. When shooting at a target with multiple faces, the first two shooters will shoot the bottom targets and the second two shooters will shoot the top two targets. All 4 of your arrows must be in the same target.



The Birdie target is the closest target on the course at distances of 35ft, 30ft, 25ft, and 20ft. This target is shot as a Walk-Up target and each archer must shoot their vertical row either from top to bottom or from bottom to top with one arrow in each of the targets in their vertical row.

The target sizes are confined to specific distances and are the same for every range. Below is the distances you will be shooting and the target sizes for those distances.

- For distances from 20 to 35 ft., the target size will be 20cm with a 4cm center dot size.
- For distances from 15 yards to 30 yards, the target size will be 35cm with a 7cm center dot size.
- For distances from 35 yards to 50 yards, the target size will be 50cm with a 10cm center dot size.
- For distances from 55 yards to 80 yards, the target size will be 65cm with a 13 cm center dot size.

If you have any questions, contact Aaron Spurling, State Shooting Sports Specialist [aspurlil1@utk.edu](mailto:aspurlil1@utk.edu)

Images accessed from: <https://www.nfaausa.com/2019/06/your-guide-to-the-outdoor-field-nationals-2019/>