2014 Arkansas 4-H Shooting Sports
State Range-Events Competition

.177 Air Rifle
.22 Rifle – Bullseye
5-Spot Archery
Shotgun Trap
.177 Air Pistol
.22 Small-bore Pistol
Muzzle Loader Bullseye

Friday and Saturday
July 10-12, 2014
C.A. Vines Arkansas 4-H Center
Little Rock, Arkansas
Sponsors:

Arkansas Gun & Cartridge Collectors Club
Arkansas Friends of NRA
National Wild Turkey Federation - Arkansas Chapter
Remington Arms Corporation
University of Arkansas Cooperative Extension Service

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**Schedule of Events (Tentative)**

**Wednesday, July 9**
8:00 a.m.-5:00 p.m.  Range setup by event coordinators

5:00 p.m.-10:00 p.m. Early registration and check-in
Armory opens

6:00 p.m.-10:00 p.m. Special event – TBA

**Thursday, July 10**
7:00 a.m.-11:00 a.m. Registration opens

7:00 a.m.-  Armory open

7:00 a.m.-8:00 a.m. Breakfast (Wed. 4-H Center Lodgers only)

11:00 a.m.-11:30 a.m. General assembly for participants and coaches

11:30 a.m.-2:00 p.m. Lunch - see competition schedule for your lunch time

1:00 p.m. Competitive Events begin: .22 Rifle Bullseye, Shotgun, Archery, .177 Pellet Rifle, .177 Pellet Pistol, .22 Small-bore Pistol, Muzzle loader. **Competition Schedule will be available listing group times at each event. (Arrive at event 15 minutes prior to your scheduled time)**

6:00 p.m.-7:00 p.m. Dinner

7:00 p.m. **Special events** – TBA. See competition schedule for time and place.

10:30 p.m. Participants to lodging

11:00 p.m. Lights out

**Friday, July 11**

7:30 a.m.  Breakfast (Thursday 4-H Center lodgers only)

7:45 a.m.  Armory opens

8 a.m. – Noon Competitive Events begin: .22 Rifle Bullseye, Shotgun, Archery, .177 Pellet Rifle, .177 Pellet Pistol, .22 Small-bore Pistol, Muzzle loader. **Competition Schedule will be available listing group times at each event.**

11:00 a.m.-1:00 p.m. Lunch - see competition schedule for your lunch time

1 p.m. – 4 p.m. Competitive Events conclude.
6 p.m. – 7 p.m.  Dinner
7 p.m. – 10 p.m.  Special events: To be announced.  Attendance required
10:30 p.m.  Participants to lodging
11 p.m.  Lights Out

**Saturday, July 12**

7:30 a.m.  Breakfast
7:45 a.m.  Armory opens
8 a.m. – Noon  Competitive Events begin: .22 Rifle Bullseye, Shotgun, Archery, .177 Pellet Rifle, .177 Pellet Pistol, .22 Small-bore Pistol, Muzzle loader.  *Competition Schedule will be available listing group times at each event.*
11 a.m. – 1 p.m.  Lunch
1 p.m. – 4 p.m.  Competitive Events conclude.  **Please be packed up and checked out of your rooms prior to the Awards Ceremony!**
5 p.m.  Awards Banquet: Dining Hall
A Message from the Arkansas 4-H Shooting Sports Coordinator:
2014 4-H RANGE EVENTS STATE COMPETITION

Once again we are looking forward to a safe and exciting 4-H Range Events State Competition. The 4-H Range Events State Competition is scheduled for July 10-12, 2014 at the C.A. Vines 4-H Center in Ferndale. Details are included in this Program Guide.

Please carefully read this entire Program Guide and become familiar with the rules. This year we will be allowing clubs to provide their own ammunition for the .22 Rifle Event. Also, Senior competitors in the Shotgun Event will shoot 50 clay targets. In the Air Pistol Event, Seniors will now shoot from the Standing One-Handed position only. Single Action pistols meeting all other requirements are now allowed in the .22 Pistol Event. Please see “Highlights of 2014 Rules Changes” (pg. 7-8), and Event Rules (pg.11-19).

As an additional safety precaution, Minimum Proficiency Standards (MPS) for youth are in effect. Youth who do not meet these standards of safe firearm or bow practices will be disqualified from the event(s) in which they are not proficient. Please see pages 19-20 of this program guide for the MPS for each shooting discipline. The associated form will be included in the Registration Materials. Minimum Proficiency Standards will be strictly enforced, so make sure everyone you bring is properly trained.

The 4-H Range Events State Competition is a unique competitive format that allows youth the opportunity to test their abilities in a variety of competitive shooting disciplines. Any 4-H Shooting Sports Club member or team may sign up for any or all events. Range Events State Competition offers seven shooting events and an “Overall Championship”: Rifle (.22 Rifle and .177 Air Rifle), Pistol (.22 Pistol and .177 Air Pistol), Shotgun (trap), Muzzleloader, and Archery. All contestants will compete for awards in each event, except .22 Pistol, which is open only to those Seniors who also compete in the .177 Air Pistol event. Only those contestants who complete in all events for which they’re qualified will be eligible for the Overall 4-H Range Events State Competition awards. All participants at 4-H Range Events State Competition must go through scheduled rotation, unless unforeseen circumstances at the competition dictate a change in the rotation. No individuals or teams will be allowed to attempt completing the competition in an abbreviated time period.

All firearms and bows must pass Armory Inspection prior to use at any shooting event. See General Rule 3, pg. 8.

Registration information is not included with this program guide, but will be forwarded to you soon. All participant registration will be through 4-H OnLine. Proof of successful completion of the AGFC Hunter Education Course, or that of a state with a reciprocal agreement with Arkansas, will be required of all contestants at time of registration.

In the event that weather should drastically slow down the competitive events, or if the number of registered participants is much greater than expected, the possibility exists that we may reduce the number of shots taken at any or all events.

Don’t hesitate to call or email me with any questions! Remember, safety first and foremost.

Rex Roberg
Arkansas 4-H Shooting Sports Coordinator
501-671-2334
rroberg@uaex.edu
State Range Events Competition: Contestants may compete in any or all events.

1. **Shotgun:** American Trap event uses 20 or 12 gauge shotguns only for shooting a modified American trap course. See pg. 11. **Amateur Trap Association Course layout and rules can be found at www.Shootata.com**

2. **.177 Air Pistol** (10 m) event will be held indoors (Cabe Hall). See pg. 11-12

3. **Archery** will be “5 Spot” Olympic type competition. See pg. 14

4. **.177 Air Rifle** (Sporter, 10 m, 3P) event will be held indoors (Feland Hall). See pg. 14-15

5. **.22 Rifle – Bullseye** (50 ft.) event will be held at the shooting range, iron sights only, no scopes allowed. **Competitors in the .22 Rifle Event may now provide their own .22 LR ammunition.** See pg. 15-16.

6. **Muzzle Loader Bullseye** will be a 3P, 50-yard bull’s eye event. Fifteen (15) record shots - 5 standing, 5 kneeling and 5 prone. See pg. 17-19

7. **.22 Small-bore Pistol** (50 ft.) event will be held at the .22 Pistol Range, adjacent the .22 Rifle Range. **Competitors in the .22 Pistol Event may now provide their own .22 LR ammunition.** (See .22 Pistol Rules, pg. 12-14 for complete details on this event).

8. In the event that weather should drastically slow down the competitive events, or if the number of registered participants is much greater than expected, the possibility exists that we may reduce the number of shots taken at any or all events.

**ATTENTION: HIGHLIGHTS OF 2014 RULE CHANGES**

**.22 Rifle Event:**  **ATTENTION!**  Competitors in the .22 Rifle Event may now provide their own .22 LR ammunition. The ammunition must be delivered to the armory and checked in by COACHES ONLY during normal armory operating times in original packaging, labeled with the competitors scheduled relay day and time, county, and competitor name(s) (if ammo is different from other competitors in the same county). The ammunition for the county/club must be placed together in a rigid container (ammo can, tool box, plastic Tupperware w/lid or similar) clearly marked with day, team(s) and county/club. **Clubs that have senior teams shooting both rifle and pistol events must have a separate container for each event.** Event staff will transport the ammunition from the armory to the range. Ammunition (to be determined) will be provided for those who do not bring their own ammunition. Any participant with ammunition in his or her possession will be disqualified.

Criteria for .22 LR ammo are as follows
- Match or Target .22 LR ammo up to 1328 fps

**Shotgun Event:**  **Seniors will now shoot 50 clay targets.**  If the situation warrants (i.e. weather, trap machine malfunction), and management determines that it is impossible for all seniors to complete 50 shots, only the first 25 record shots will count, including those of competitors who have already completed 50 shots.

**Air Pistol Event:**  **Seniors will now shoot from the Standing One-Handed position only.**  **One-handed:** shooting arm unsupported, no wrist supports, elbow must be exposed (NRA Rule 5.8).
.22 Pistol Event (Seniors only): Single Action pistols meeting all other requirements are now allowed in the .22 Pistol Event. 

**ATTENTION!** Competitors in the .22 Pistol Event may now provide their own .22 LR ammunition. The ammunition must be delivered to the armory and checked in by COACHES ONLY during normal armory operating times in original packaging, labeled with the competitors scheduled relay day and time, county, and competitor name(s) (if ammo is different from other competitors in the same county). The ammunition for the county/club must be placed together in a rigid container (ammo can, tool box, plastic Tupperware w/lid or similar) clearly marked with day, team(s) and county/club. Clubs that have senior teams shooting both rifle and pistol events must have a separate container for each event. Event staff will transport the ammunition from the armory to the range. Ammunition (to be determined) will be provided for those who do not bring their own ammunition. Any participant with ammunition in his or her possession will be disqualified.

Criteria for .22 LR ammo are as follows
- Match or Target .22 LR ammo up to 1328 fps

**Air Pistol and Air Rifle Events:** **ATTENTION!!** All shooters are required to bring their own pellets for air rifle and air pistol. Only .177 caliber (4.5mm) flat-nosed target type pellets (i.e. wadcutters) made of lead or other soft material are permitted. No pointed or hunting type pellets allowed. The competitors will be responsible for bringing sufficient number of pellets to complete the course of fire including sight in shots and misfires. Pellets must be checked in at the event, upon the participants’ arrival at the event.

**.177 Air Rifle:** Muzzle Velocity for air rifles may not exceed 600 feet/sec. (fps)

**Clear Barrel Indicators (CBIs):** See Use of Clear Barrel Indicators, Pg. 10

### GENERAL INFORMATION

**Minimum Proficiency Standards for youth participants will be strictly enforced.** All participants must be tested for proficiency at the county level and such proficiency verified by coach and county agent signatures on the appropriate form. The event leader for each shooting discipline will make decisions regarding competence (proficiency) of participants at the 4-H State Range Events competition, based on the criteria found in the attached standards checklists. In the case of disqualification of a participant from a specific event due to non-proficiency, as judged by the criteria herein, the Event Leader will document which criterion or criteria were violated. **Failure to meet any of the listed standards will result in the participant’s disqualification from the event in which the infraction occurred.** Shooting discipline Instructors for that county and the county agent who signed off on the participant’s proficiency will receive a written notification of the infraction. See Minimum Proficiency Standards, pg. 20-21.

**Cell phones** should be off or silenced while attending any shooting event at this competition. No flash photography at Air Rifle or Air Pistol.
GENERAL RULES

Please read these rules carefully.

1. There will be no limits placed on the number of Junior and Senior teams and individuals a club may bring to the 4-H State Range Events Competition. A team consists of a maximum of four members or a minimum of three members of the same age division from the same county/club. The top three individual scores of four-member teams will be summed for the team score.

2. All teams and individuals must provide their own air rifles and pistols, rifles, shotguns, muzzle loaders and archery tackle (including arrows and quivers). Firearms ammunition will be provided at the competition, with the following exceptions: .22 Pistol and .22 Rifle ammunition may be provided by the competitors. Air Rifle, Air Pistol, and Muzzle loader participants must provide their own projectiles. See Competitive Event Rules pg. 11-19.

3. Armory check-in/check-out: All firearms must be checked into the armory prior to use on the range, and must be unloaded and placed in gun cases, clearly labeled with the owner’s name and address, and appropriate firearms must have a CBI installed. All firearms and archery tackle must be checked into the armory at night and when not in competition use. No firearms or archery tackle are allowed to be stored in lodging rooms, vehicles, or trailers. Clubs that opt to bring their own .22 ammo for the .22 Pistol and .22 Rifle Events, must have a coach check it in at the Armory. See Competitive Events Rules for specific packaging and labeling instructions.

4. All individuals and teams are required to provide their own eye and ear safety equipment. Eye and ear protection is required for .22 rifle, muzzle loader, .22 Small-bore Pistol and shotgun events. Archery safety goggles are recommended for the archery event contestants. Participants in the air rifle and air pistol events must wear eye protection, and ear protection is recommended.

5. Participants are expected to exhibit behavior above reproach at all times. Coaches are responsible for the behavior of their teams. Contestants are not allowed in lodging rooms during activities. A 4-H Review Committee will be established prior to the competition to deal with conduct issues. See Competitive Events Rules for specific packaging and labeling instructions.

6. Poor firearm safety practices WILL BE the basis for disqualification. Minimum Proficiency Standards will be strictly enforced (see page 20-21).

7. All participants must be active 4-H Shooting Sports Club members between ages 9-19 years old (or senior year in high school).

8. In State Range Events competition, there will be divisions for (a) Junior individuals and teams and (b) Senior individuals and teams. A Junior is 9-14 years of age (on or after January 1, 2014), and a Senior is 14 to 19 years of age (before January 1, 2014).

9. Clothing: The 4-H Dress Code will be in effect, and can be viewed at: http://www.uaex.edu/4h-youth/docs/FY4H-686-CodeofConduct.pdf

Shoes (no sandals or flip-flops) must be worn during competitive events. Footwear rules for rifle and pistol events can be found in the rules for those events in this publication. Many of the shooting events will be held outside, so appropriate clothing is recommended. Shooting jackets and pants are NOT permitted. Slings and gloves are permitted in adherence with the National Standard Three- Position Air Rifle Rules.
10. Matches will not be canceled because of inclement weather, unless lightning or heavy thunderstorms are in the immediate area.

11. **Firearms/Archery Equipment**: All firearms are subject to safety check at the Armory and at the specific event. Only sporter model pellet rifles (600 fps or less) and Class 2 and 3 air pistols (see air pistol rules) are allowed. **Small-bore .22 Pistols** must meet requirements found on page 12-14. **CO₂** pellet rifles and pistols are allowed in adherence with the National Standard Three Position Air Rifle Rules, co-sponsored by National 4-H Shooting Sports.

12. **Ammunition**: NOBODY is allowed to bring ammunition onto the 4-H Center premises, other than that specified in this publication. Bringing muzzle loader propellant or broadhead arrows onto the premises is grounds for disqualification of the entire county delegation. **.22 Pistol and .22 Rifle** participants **may** provide their own .22 LR ammo, and it must be checked into the Armory by a club coach. **Air Rifle, Air Pistol, and Muzzle loader** participants **must** provide their own projectiles, which must be checked in at the particular event (see Event Rules, pg. 11-19).

13. **Small Arms Repair**: Limited armor support will be provided on the range. Only emergency repairs will be performed.

14. **Protest**: All competitors and teams must conduct their grievances through the TEAM COACH only. All protests must be made to the Event Leader prior to completion of the event. Protests disregarding these procedures will not be considered. Protests and challenges will be decided by a scoring committee appointed prior to the start of competition by the 4H Shooting Sports Coordinator. Their decisions will be final.

15. **Scoring**: The Orion Electronic Scoring System will be used for air pistol, air rifle, and .22 rifle. Interference with the scoring committee by contestant, parent, leader, coach, or others associated with a team or individual will result in the disqualification of that team or individual.

16. **Range Procedures**: Team coaches will ensure that their competitors are familiar with range procedures. Ignorance of range procedures will not be a basis for protest. A range master will be appointed and will be the only individual issuing range commands (although anyone may issue a “cease fire” command should an unsafe situation exist). Only relays and ammunition handlers will be allowed on the firing line. Coaching (including shot calling or placement and distance advising) will **NOT** be allowed on the firing line and will be grounds for disqualification.

17. Coaches and Spectators at all events, including Muzzle loader, .22 rifle, and .22 pistol events will be allowed to use binoculars.

19. **Use of clear Barrel Indicators (CBI)**: All firearms except shotgun must have an appropriate CBI installed prior to being brought to the armory. A CBI is defined as device that indicates to a casual observer that a firearm’s action is open, and its chamber and barrel are free of ammunition and/or obstructions. The most commonly used “device” is a length of orange weed-eater cord, inserted from the chamber end and up through the barrel of a firearm. **CBIs are no longer required for shotguns**: Shotguns should be cased with the action open, or broken. The required CBI for muzzle loaders is a rod (wooden dowels are highly encouraged) that is inserted into the bore and extends 3” or more above the muzzle with highly visible markings with exact locations of loaded and unloaded.
COMPETITIVE EVENTS RULES

Notice: The number of shots at any or all shooting events may be reduced if necessary.

SHOTGUN

Shotgun: Twenty-five (25) clay targets (Juniors), and 50 clay targets (Seniors), singles only, will be thrown to contestants on a modified American Trap course. If the situation warrants (i.e., weather, trap machine malfunction), and management determines that it is impossible for all seniors to complete 50 shots, only the first 25 record shots will count, including those of competitors who have already completed 50 shots.

Low brass, light loads will be provided for 12- and 20-gauge shotguns. Only clay targets with a visible piece broken off will be scored. Complete rules and ATA trap course layout can be found at http://www.caes.uga.edu/extension/fayette/4H/documents/2012ATARuleBook.pdf A “Shoot-Off” will be used to determine the winners between any ties for the top three Junior and Senior Teams and Individuals. Release triggers or toe pads are prohibited. Shooters may not exhibit unsafe or unsportsmanlike conduct, unnecessarily interrupt shooting, or otherwise deliberately attempt to evade the spirit of the rules. To do so will be grounds for disqualification.

.177 AIR PISTOL

Important!!! All shooters will be required to bring their own pellets for Air Pistol. Only .177 caliber (4.5mm) flat-nosed target-type pellets (i.e., wadcutters) made of lead or other soft material are permitted. No pointed or hunting type pellets allowed. The competitors will be responsible for bringing sufficient number of pellets to complete the course of fire including sight in shots and misfires.

SLOW FIRE - BULLSEYE

Target: Orion Scoring System target equivalent of NRA B-40/4
Distance: 10 meters (32 feet 9.7 inches)
Course of Fire: 20 shots, 5 per record bull
Time Limit: 1 minute thirty seconds per record shot
Preparation Time: 10 minutes (one target sheet and unlimited sighters.) Before the 10 minute preparation time begins, competitors will be instructed to post a sighting target that is clearly marked in the upper left corner “ST.” Unlimited sighters may be taken during the preparation period.

SHOOTING POSITIONS

Senior: Age 14-19: Standing, one-handed hold only.
Standing Position:
   One-handed: shooting arm unsupported, no wrist supports, elbow must be exposed (NRA Rule 5.8).
   No boots or other footwear that provide ankle support allowed while shooting from either standing position.

Junior: Age 9-13: Seated, two-handed, using a 4-H provided pistol rest supporting the pistol butt, elbows unsupported.

PERSONAL HYGIENE

All competitors and support personnel who handle lead pellets are urged not to handle food during shooting and to wash their hands immediately after competition.
PROTECTIVE EYE WEAR/ CORRECTIVE LENSES/ HATS or VISORS
Competitors may wear normal prescription eyeglasses or contact lenses. Protective eyewear is required for all shooters and spectators within the range facility. Competitors are permitted to wear a cap, hat or visor.

PHOTOGRAPHY
No flash photography is allowed anywhere on the range. If a flash occurs the violator will be asked to leave the range facility immediately.

EQUIPMENT
Any .177 caliber (4.5 mm) air pistol weighing less than 3.3 pounds, with a trigger pull of at least 17.6 ounces, metallic sights only. Pellets will be the responsibility of the coach and will be delivered to the firing line by the coach. The range will give specific instructions when this is to be done. Likewise, when firing is completed, coaches will be instructed to collect and safeguard the remaining pellets. Pellets must be single loaded.

Pistols must fit into a box 16.5” x 7.9” x 2” + 0.5mm in any direction. CO₂ and compressed air pellet pistols meeting these criteria are allowed. Any pistol requiring a separate canister for charging must be charged in the designated safe area prior to the competition. If a pistol must be recharged during competition time, it is not an alibi and the shooter will have to use competition time to recharge his/her pistol.

Sights: Only open sights are allowed.

Target Height: All targets for both juniors and seniors will be 55 inches (plus or minus 2 inches) from the level of the firing point when measured to the center of the target. For the four bull target the distance refers to the center of the target sheet.

Target: Orion Scoring System Targets, equivalent to NRA B-40, 10-meter air pistol target. NRA targets can be ordered from National Target Co. at 1-800-827-7060 or from their website.

.22 SMALL-BORE PISTOL

Single Action pistols meeting all other requirements are now allowed in the .22 Pistol Event. ATTENTION! Competitors in the .22 Pistol Event may now provide their own .22 LR ammunition. The ammunition must be delivered to the armory and checked in by COACHES ONLY during normal armory operating times in original packaging, labeled with the competitors scheduled relay day and time, county, and competitor name(s) (if ammo is different from other competitors in the same county). The ammunition for the county/club must be placed together in a rigid container (ammo can, tool box, plastic Tupperware w/lid or similar) clearly marked with day, team(s) and county/club. Clubs that have senior teams shooting both rifle and pistol events must have a separate container for each event. Event staff will transport the ammunition from the armory to the range. Ammunition (to be determined) will be provided for those who do not bring their own ammunition. Any participant with ammunition in his or her possession will be disqualified.

Criteria for .22 LR ammo are as follows
Match or Target .22 LR ammo up to 1328 fps

Eligibility: Seniors (14-19) only. Competitors in this event must also compete in Senior Air Pistol. Individual and team competition, included in overall score.
**Youth Handgun Safety Act:** All pistol shooters under the age of 18 must have in their possession a written permission statement from their parent or guardian stating their permission to possess and fire pistols to be in compliance with BATF regulations. The appropriate form will be provided with Range Events Registration Materials.

**Note:** All matches are “single pistol” matches. A shooter is to shoot the entire course of fire of the event with the same pistol. No pistol changes between stages.

**Note:** Alibis will only be granted for broken pistol or misfire due to bad ammunition NOT for dirty or dry pistols due to poor cleaning/care.

**Targets:**
- Precision (slow-fire) Stage: NRA B-33
- Rapid Fire Stage: NRA B-39

**Distance:**
50 feet

**Shooting Positions:**
One-handed hold, standing (shooting arm unsupported, no wrist supports, elbow must be exposed).

**Equipment:**
Iron sights only. Any .22 pistol or revolver capable of firing the Remington 6122 long rifle cartridge or other such 40 grain, match or target velocity .22 LR round, with a sight radius no greater than 10 inches, and a trigger pull no less than 2 pounds, and that weighs less than 2.8 lb. and fits in a box of the following dimensions: 11.8”x 5.9”x 1.97” (+) 5% in any one direction only, is allowed.

**Course of Fire:**
15 shots each slow fire and rapid fire. (30 record shots)

**Time Limits:**
- **Slow fire:** 15 minutes (three 5-shot series)
- **Rapid fire:** 15 minutes (three 5-shot series)

**Description:**

**Slow Fire:** The shooters will be provided with 5 minutes preparation time before the slow-fire sighter target series is shot. Shooters may shoot one sighter series of 5 shots with a time limit of 150 seconds. Coaches are allowed to work with competitors during this time.

Slow Fire Competition will consist of 3 series of 5 shots standing, one handed grip, one minute per shot. There will be a 2 minute preparation period before the first load command. Upon the command LOAD for each series, shooters will have one minute to load their magazines, insert the magazine into the pistol and chamber a round. Shooters will fire 5 shots within 5 minutes, with one minute per round for each series. There are NO ALIBIS for Slow Fire. In the case of a malfunction the shooter will raise their hand, keeping the pistol pointed down range at all times and a line officer will assist them.

**Rapid Fire:** Before the beginning of the Rapid Fire Competition the shooter may shoot one series of 5 shots using the light system for their sighter shots. Before each sighter shot the shooter will practice lowering their shooting arm to the READY POSITION at a 45 degree angle. The pistol must not be rested on the bench during this shooting series. Coaches are allowed to work with competitors during this time.

Rapid Fire competition will consist of 3 series of 5 shots, standing one-handed grip, with 3 seconds per shot, and a 7 second recovery period between shots. There will be a 2 minute preparation period before the first load command. Upon the command LOAD, shooters will have one minute to load their magazines per each series, insert that magazine into the pistol, and chamber a round. A series is considered as having started at the moment the red light is turned on after the command ATTENTION. Red light will indicate the 7 second recovery period and followed by a green light that will indicate the 3 second firing period.
In the event of a misfire or malfunction the shooter will raise their hand, keeping the pistol pointed down range at all times and a line officer will correct the situation. Following each 5-shot series, any allowed alibi shots will be completed prior to the next LOAD command.

**Rule book:** NRA Conventional Pistol Rules, 2014:  

### 5 SPOT ARCHERY

**Targets** will be Official NFAA 5 spot archery target.  

**Shooting Distance:** 20 yards.  
Total shots: 15.  
Three rounds of 5 arrows (must have at least 5 arrows to complete each round, each arrow less than 5 will result in a “no score”). Each round of 5 arrows will be shot in maximum of 5 minutes. Challenges must be made on the range before the arrows are pulled. Range official must be notified in case of crossfire into adjacent participants target and noted by official on the target, before arrows are pulled.

**Scoring** per round will be 100 points maximum. (Total of 3 rounds will equal 300 points). Ties will be broken by highest number of X’s.

**Archery equipment:** Archery participants must provide their own bows, arrows and (hip) quivers. Each participant must have at least 5 arrows to complete each round. Only hunting-type compound, recurve or long bows are permitted (no crossbows). Bows may be equipped with hunting-type sights (excluding scopes or magnified sights). Shooters may use only one bow for this competition, except in the case of a bow malfunction. All arrows must have either glue-on or screw-in target or field points. **Broadhead arrows are not allowed on the 4-H Center grounds.** Shooters are responsible for providing back-up equipment. Binoculars are allowed.

### .177 AIR RIFLE

**Important!! All shooters are required to bring their own pellets for air rifle.** Only .177 caliber (4.5mm) flat-nosed target-type pellets (i.e. wadcutters) made of lead or other soft material are permitted. No hunting type pellets allowed. The competitors/coaches will be responsible for bringing sufficient number of pellets to complete the course of fire including sight in shots and misfires.

**.177 Air Rifle:** Firing positions, target type, and time limits in the .177 air rifle range competition

<table>
<thead>
<tr>
<th>Number of Shots</th>
<th>Position</th>
<th>Target Type</th>
<th>Target Distance</th>
<th>Time Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>Standing</td>
<td>10 bull w/sight-in bull</td>
<td>10 m (32.5 feet)</td>
<td>10 min.</td>
</tr>
<tr>
<td>10</td>
<td>Kneeling</td>
<td>10 bull w/sight-in bull</td>
<td>10 m (32.5 feet)</td>
<td>10 min.</td>
</tr>
<tr>
<td>10</td>
<td>Prone</td>
<td>10 bull w/sight-in bull</td>
<td>10 m (32.5 feet)</td>
<td>10 min.</td>
</tr>
</tbody>
</table>

Two minutes will be allowed for unlimited sight-in shots.  
Total time per shooter will not exceed 30 minutes.
Air Rifles: Any type of sporter .177 caliber pneumatic, spring air, or compressed air or CO\textsubscript{2} rifle can be used if it has a conventional appearance and conforms to the following requirements:

Weight: Total weight excluding sling may not be more than 7.5 lb.
Trigger Weight: Minimum 1.5 lb.
Muzzle Velocity: 600 fps or less

Equipment:
Sights: Iron sights only. A blinder may be attached to the rifle or to the rear sight. Telescopic sight systems, sights with corrective lenses, light filters and spirit levels are not allowed.

Clothing: Shooting jackets and shooting pants are not permitted. A shooting glove is allowed (see specifics in National Standard Three-Position Air Rifle Rules). No boots or other footwear that provide ankle support allowed while shooting from any standing position.

Sling: A shooting sling is allowed in the prone and kneeling positions, provided it is no more than 1.25-inch in width.

Kneeling Roll: Optional, allowed but not required (see specifics in National Standard Three-Position Air Rifle Rules).

Targets: Orion Electronic Scoring System equivalent of the NRA 10 meter air rifle target (AR 5/10). NRA Targets can be ordered from National Target Co. at 1-800-827-7060.
Spotting Scopes: The use of an individual spotting scope by the shooter, with stand, to observe holes on the target is allowed.

Shooting Positions: Shooting will be done from the Prone, Kneeling, and Standing positions.

Rulebook: National Standard Three-Position Air Rifle Rules. The Rulebook can be downloaded from the Web at http://www.odcmp.com/3P/Rulebook.htm or can be purchased for $2 by emailing competitions@odcmp.com. Coaches are responsible for making sure their shooters know the rules, and that their equipment meets the standards specified in those rules.

.22 RIFLE BULLSEYE

ATTENTION! Competitors in the .22 Rifle Event may now provide their own .22 LR ammunition. The ammunition must be delivered to the armory and checked in by COACHES ONLY during normal armory operating times in original packaging, labeled with the competitors scheduled relay day and time, county, and competitor name(s) (if ammo is different from other competitors in the same county). The ammunition for the county/club must be placed together in a rigid container (ammunition can, tool box, plastic Tupperware w/lid or similar) clearly marked with day, team(s) and county/club. Clubs that have senior teams shooting both rifle and pistol events must have a separate container for each event. Event staff will transport the ammunition from the armory to the range. Ammunition (to be determined) will be provided for those who do not bring their own ammunition. Any participant with ammunition in his or her possession will be disqualified.

Criteria for .22 LR ammo are as follows
Match or Target .22 LR ammo up to 1328 fps
.22 Rifle-Bullseye: Firing positions, target type, and time limits for the .22 rifle bullseye range competition are:

<table>
<thead>
<tr>
<th>Number of Shots</th>
<th>Position</th>
<th>Target Type</th>
<th>Target Distance</th>
<th>Time Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>Standing</td>
<td>10 bull w/sight-in bull</td>
<td>50 feet</td>
<td>10 min.</td>
</tr>
<tr>
<td>10</td>
<td>Kneeling</td>
<td>10 bull w/sight-in bull</td>
<td>50 feet</td>
<td>10 min.</td>
</tr>
<tr>
<td>10</td>
<td>Prone</td>
<td>10 bull w/sight-in bull</td>
<td>50 feet</td>
<td>10 min.</td>
</tr>
</tbody>
</table>

Two minutes will be allowed for unlimited sight-in shots.

Total time per shooter will not exceed 30 minutes.

.22 Rifles: Iron sights only, no scopes allowed. Maximum rifle weight without a sling is 13.0 lbs. Minimum trigger pull is 1.5 lbs. Multiple-shot magazines will be allowed. Bipods or other rifle rests are not allowed. Only sound-reducing devices may be used – any sound producing devices are not allowed.

Ammunition: Standard velocity target ammunition Remington 6100 or rough equivalent will be provided. For those clubs that choose not to provide their own .22 ammo.

Slings: A shooting sling is allowed in the prone and kneeling positions, provided it is no more than 1 1/4 inch in width.

Kneeling Roll: Allowed but not required (see specifics in National Standard Three-Position Air Rifle Rules).

Clothing: Shooting jackets and shooting pants are not permitted. A shooting glove is allowed (see specifics in National Standard Three-Position Air Rifle Rules). No footwear that extends above the ankle will be allowed.

Spotting Scopes: The use of an individual spotting scope or other magnifying optics used by the shooter is allowed. Use of Binoculars by spectators is allowed. Shot-calling or coaching is not allowed, and will be grounds for disqualification.

Targets: 50 foot small bore (.22) Orion Scoring System targets, equivalent of NRA (A-17). NRA targets can be ordered from National Target Co. at 1-800-827-7060.

MUZZLE LOADER BULLSEYE

All participants must have and use a marked range rod (CBI) which indicates both the unloaded and loaded condition of the firearm. These rods must be installed prior to armory check-in. The required CBI is a rod (wooden dowel rods are highly encouraged) that is inserted into the bore and extends 3” or more above the muzzle with highly visible markings with exact locations of loaded and unloaded. This rod cannot be used as a loading rod unless it is an approved range rod.

1. EQUIPMENT AND AMMUNITION

Rifles allowed: Any flintlock, disk*, percussion, musket cap, or 209-primer type muzzleloading rifles .54 caliber or smaller will be permitted. We currently have accessories for .45 and .50 caliber muzzleloaders for use during the event. Participants choosing to use another caliber (ie 36, 54 caliber) must contact Rex Roberg no later than June 28 so that we can have your particular accessories available at the competition.

*Appropriate number of disks must be turned into event director prior to competing in this event. Used disks will not be returned.
Muzzleloaders may have a set trigger, not to be set until ready to fire. Muzzleloaders may be equipped with sporter-type thumbhole stocks (non-adjustable).

Sights – Metallic sights only: defined as any sighting system made of metal or equivalent materials that provide a means of aligning two separate visible sights or reference points mounted on the rifle. Peep sights/aperture sights are allowed. Telescopic sights (optical) or any type of electronic sights are prohibited.

Spotting scopes – The use of a telescope or binoculars to spot shots is permitted. They may be positioned forward of the shooter’s forward shoulder. Competitors must spot their own shots.

Gloves – Gloves of the type commonly worn as clothing may be worn, but specialized shooting gloves designed for competition may not be worn.

Padding – Shoulder pads may be worn while shooting as long as they do not provide artificial support. Competitive shooting coats may not be used.

Slings – Either competition or standard (hunting) rifle slings may be used.

Palm rest – Palm rests may not be used.

Schuetzen butt plates – Hooked butt plates of this design may not be used, but standard curved butt plates are permitted.

Powder charge limitation – Powder charges are limited to a maximum of 60 grains of Triple 7 or its volumetric equivalent. FFFg blackpowder substitute will be available upon request only to use in .45 caliber and smaller rifles. The maximum charge for this powder will be 10 grains above caliber size (i.e. 55 grains for a .45 caliber). Ammunition: ONLY propellant provided by 4-H Shooting Sports will be allowed. Number 11 percussion caps will be supplied. PARTICIPANTS WHO REQUIRE MUSKET OR OTHER TYPES OF CAPS MUST NOTIFY REX ROBERG (501-671-2334, rroberg@uaex.edu) BY JUNE 29, 2009. Participants cannot bring any propellant or caps onto the 4-H Center premises. ANY PARTICIPANT AND/OR COACH WITH THESE ITEMS IN POSSESSION COULD HAVE ENTIRE TEAM DISQUALIFIED. Participants will not be allowed to use personal powder measures unless approved by range personnel.
If a participant shoots using the wrong powder charge or the wrong formulation, the shots fired count. **No exceptions.**

One fouling shot will be allowed. However, this will be counted as part of your time limit. Use your time wisely.

Smoking prohibited at this venue, including spectator areas.

**Projectiles** – Participants must provide their own projectiles (round balls, conicals, or sabots). **Metal-jacketed sabots, solid metal, metal-cored projectiles, or pure lead bullets/balls weighing more than 375 grains are not allowed.** Patches, (Thompson lubricated Bore Butter or equivalent) will be provided by the State 4-H Shooting Sports Program.

**TARGETS**

Yard targets – The NRA single-bull 25-yard heavy paper pistol target $B\cdot8(T)$ is used in this event.

**SHOOTING POSITIONS**

Positions – Shooting shall be from standing, kneeling and prone position. The same shooting position used in 3-position rifle shooting will be used. Five shots from each shooting position.

**2. Range Standards (Muzzle Loader)**

**Distance:** Distances used in these matches range will be 50 yards.

**Course of Fire:** 50-yard bullseye – 15 record shots – 5 standing, 5 kneeling, and 5 prone

**Time Limits**

**Running Time:** Time is computed as a running total of each stage or series of shots. The range officer may terminate the firing time if all shooters have completed their firing. Time allowed but not used does not carry over to follow stages. The shooter is responsible for pacing their shooting to meet the time limitations. One fouling shot will be allowed. However, this will be counted as part of your time limit. Use your time wisely.

**Time Allowances:** 50-yard bullseye – 60 minutes for 15 record shots---**No sight-in shots will be allowed.**

**Shooter Responsibility:** Shooters are responsible for knowing the posted time limits for each event and for pacing their shooting to the time limits. Range officers may be asked about the passage of time or time remaining, but they are not charged with doing so. **If a participant shoots using the wrong powder charge or the wrong formulation, the shots fired count. No exceptions.**

**Muzzle Loader Competition Regulations:**

**Changing firearms:** Competitors may change firearms only if the firearm has been disabled.

**Disabled firearm:** A disabled firearm is one which cannot be properly aimed (including damage or loss of the sights) or safely fired, or one that does not function properly. Firearms declared disabled cannot be used again until the defect has been fixed and it has been declared safe by the range officer. A substitute firearm can be used to replace a defective firearm.

**Malfunction:** Failure of the firearm to fire because of a mechanical defect is considered a malfunction. Improper operation of the firearm is not a malfunction.

**Coaching:** Coaching and/or shot-calling are prohibited in individual matches.

**Crossfire and excessive hits:** No shooter will knowingly fire at the target of another or fire more than the required number of shots on his/her own target.
Ramrod in the bore: Each muzzle-loading rifle on the line will have a marked ramrod in the bore indicating that it is empty when it is brought to the line.

Preparation period: Competitors will be permitted three minutes to take their places on the firing line and prepare to fire after being called to the firing line.

3. SCORING

How to score: In contrast to NMLRA rules, the highest value scoring area touched by the projectile bulls eye targets will be scored.

Misses – Shots outside the scoring area on the targets will be scored as misses and given the value of zero.

Early or late shots – Shots fired before the command “commence firing” or after the command “cease firing” will be scored as misses. If the order of the shots cannot be determined, the penalty will be assessed to the corresponding number of hits of highest value.

All shots count – All shots fired by the competitor after record shooting has begun will be counted in the score, even if the rifle was discharged unintentionally.

Hits on the wrong target – Hits on the wrong target will be scored as misses. The beneficiary of the extra shot(s) may use the best shots on his target.

Visible hits and close groups – Generally only clearly visible hits on a target will be scored. In cases where three or more hits are in a group that would permit another shot to go through the enlarged hole without leaving a mark and where there is no evidence that the shot went elsewhere and there are no excessive hits on targets on either side of the target in question, the shooter will be given the higher score that could be possible within the group of shots.

Excessive hits – On paper targets by competitor or another shooter must be declared to match officials immediately. Once match is declared officially completed, if there are hits missing on targets on either side of the target in question, the shooter will be given the higher score possible within the group of shots. If no hits are missing from either side targets, then excessive hits will be scored with the highest scoring hits subtracted for each excessive hit.

4. DECISION OF TIES

If required the procedures are as follows:

Paper targets
1. The shooter with the greatest number of X’s over the course of fire.
2. Least misses, 10’s, 9’s etc.
3. Highest score in standing
4. Highest score in kneeling
5. Highest score in prone
**Minimum Proficiency Standards**
For Youth Participants in State 4-H Shooting Sports Competitions

**Pistol (.22 rimfire and .177 air pistol)**

**Standard:** Understands, demonstrates and can recite without aid the three cardinal rules of firearms safety (MAT).
- **Muzzle control:** muzzle pointed in a safe direction at all times
- **Action:** open-chamber clear
- **Trigger:** finger off until ready to fire

**Standard:** Understands and can demonstrate how to charge, load, unload, and make the pistol safe.

**Standard:** Understands and can demonstrate range procedure in case of a malfunction or "cease fire" during competition.

**Standard:** Understands and can demonstrate how to safely fire at a down-range target multiple times without assistance.

**Standard:** Understands and can demonstrate how to safely adjust his/her sights during competition.

**Standard:** Understands how to follow basic pistol range commands.

**Standard:** Understands and can demonstrate proper care and cleaning of his/her competition firearm.

**Muzzle Loader**

**Standard:** Knows and practices basic muzzle loading firearm safety rules.

**Standard:** Can demonstrate loading and firing a muzzle loader safely without coaching or any physical assistance.
- Proper loading sequence
- Type and amount of powder to use
- Types of caps that can be used
- Caliber projectile needed

**Standard:** Understands and can demonstrate the proper method of determining if a muzzle loader is unloaded or loaded.

**Standard:** Understands and can demonstrate the proper procedure in case of a muzzle loader miss-fire or hang fire.

**Standard:** Understands range rules and commands and when a ceasefire should be called.
Archery

**Standard:** Demonstrates a working knowledge of the bow being used, as well as any piece of related equipment.

**Standard:** Must be able to draw the bow back with ease and in a safe manner.

**Standard:** In 3-D Archery, must be able to identify harvest areas on targets without the use of target cards or other assistance.

**Standard:** Understands how to follow basic archery range commands.

Shotgun

**Standard:** Understands shotgun safety rules and can demonstrate safe shotgun handling.

**Standard:** Can demonstrate how to know if shotgun is not loaded (action open – chamber clear).

**Standard:** Understands and can demonstrate the six fundamental steps in shotgun (Lesson 3, Shotgun Shooting Fundamentals; 4-H Shooting Sports Curriculum).

**Standard:** Can demonstrate the necessary knowledge, skill, and mental attitude for safely firing shotguns at moving targets.

**Standard:** Understands how to follow basic shotgun range commands.

Rifle (.22 rimfire and .177 air rifle)

**Standard:** Understands and can demonstrate proper handling of the rifle at all times, including proper carry of the firearm to and from the firing line.

**Standard:** Demonstrates basic knowledge of the rifle, including the rifle’s action and mechanical safety mechanism.

**Standard:** Demonstrates proper muzzle control at all times.

**Standard:** Can load the firearm without assistance.

**Standard:** Can demonstrate how to know the rifle is not loaded (action open, chamber clear).

**Standard:** Understands and can demonstrate how to safely fire at a down-range target multiple times without assistance.

Failure to meet any of the listed standards will result in the participant’s disqualification from the event in which the infraction occurred. Shooting discipline Instructors for that county and the county agent who signed off on the participant’s proficiency will receive a written notification of the infraction.
Awards

**State Range Events Competition** trophies, medals and ribbons will be awarded for each event and for overall range (.22 rifle-bullseye, .177 air rifle, shotgun, .177 air pistol, muzzle loader, archery, and .22 Pistol (Seniors only)).

**Ribbons** will be awarded for 4-10 places in .177 air, .22 rifle-bullseye, shotgun, archery, .177 air pistol, .22 pistol, muzzle loader and overall range competitions (Junior and Senior divisions, individuals and teams). Ribbons will be mailed to the county offices.

**Trophies** for .177 air rifle, .22 rifle-bullseye, shotgun, .177 air pistol, archery, muzzleloader and .22 Pistol (Seniors only) will be awarded at the awards ceremony as follows:

<table>
<thead>
<tr>
<th>Individual*</th>
<th>Team (4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Junior and Senior</td>
<td>Junior and Senior</td>
</tr>
<tr>
<td>First place: 2 x 6</td>
<td>First place: 8 x 7</td>
</tr>
<tr>
<td>Second place: 2 x 6</td>
<td>Second place: 8 x 7</td>
</tr>
<tr>
<td>Third place: 2 x 6</td>
<td>Third place: 8 x 7</td>
</tr>
</tbody>
</table>

**Trophies** for best “Overall” range competition will be awarded as follows:

<table>
<thead>
<tr>
<th>Individual*</th>
<th>Team (4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Junior and Senior</td>
<td>Junior and Senior</td>
</tr>
<tr>
<td>First place: 2</td>
<td>First place: 8</td>
</tr>
<tr>
<td>Second place: 2</td>
<td>Second place: 8</td>
</tr>
<tr>
<td>Third place: 2</td>
<td>Third place: 8</td>
</tr>
</tbody>
</table>