

MEMO

To: Pike County Shooting Sports Project Member & Other County Shooting Sports Project Members

From: Nancy Buchmeier, Pike County Shooting Sports Coordinator

RE: **2016 Pike County 4-H Shooting Sports Invitational**

Date: May 20, 2016

The Pike County 4-H Shooting Sports Invitational is scheduled for **June 26, 2016** at Ka-Tonka. **A concession stand will be available.**

Tournament rules are included as well as a registration. We will also need the newest **Health Form** can be printed off from 4-H online. If you have any questions, please contact either the Pike County Extension Office at 573-324-5464 or Nancy at 573-470-6254.

We look forward to having your participation at this event!!!

Directions to Ka-Tonka

Address is: 57290 Cumberland Trail, New London, MO 63459

Take Route FF West off of Hwy 61, 2 ½ miles until you see signs on left.

All shooters must attend the required number of meetings to be eligible to shoot in the 2016 Pike County 4-H Shooting Sports Invitational. Any questions contact your discipline leader.

NOT RESPONSIBLE FOR ACCIDENTS.

**PIKE COUNTY 4-H
SHOOTING SPORTS INVITATIONAL
June 26, 2016
At KA-TONKA
REGISTRATION BEGINS AT 12:30 PM
EVENTS START AT 1:00 PM**

The Pike County 4-H Shooting Sports Invitational will include the following disciplines: Archery, .22 Small-bore Silhouettes (half of standard distance), Standard 16 yard Trap and 16 yard Doubles Trap, Air Rifle BB, Air Rifle Pellet, Air Rifle 3-P Sporter, Air Pistol and Muzzle loading.

GENERAL RULES

SAFETY IS THE PRIMARY CONSIDERATION FOR EACH PARTICIPANT, COACH, PARENT AND SPECTATOR!! All competitors must have completed the Firearm Safety Requirement of the 4-H Shooting Sports program prior to competing. Verification of this requirement is included on the registration form and must be signed by a 4-H certified instructor from the county in which the competitor is enrolled. Each contestant will wear appropriate eye and ear protection for all shooting events except archery. Please follow State Rules about dress codes. Any violation of accepted safety rules are grounds for immediate disqualification. **NO WARNINGS WILL BE GIVEN!**

The Pike County 4-H Shooting Sports Invitational is open to all Missouri 4-H members enrolled in shooting sports for the current 4-H program year. The 4-H member must be enrolled in the specific discipline in which they are competing.

Range officials will check all firearms and ammunition and all archery equipment prior to its use in competition. Unsafe equipment will not be allowed on the range. **FIREARMS AND BOWS MUST BE IN THE CASE AT ALL TIMES EXCEPT WHEN ON THE RANGE AND READY TO PARTICIPATE IN EVENT.** Open bolt indicators will be used.

Competitors may enter all events, as long as they are enrolled in the project during the current program year. Please indicate on registration form which event you would like to shoot first, second and so forth.

Age Division Name: Three age classes will compete. Competitors must compete within their own age group per specified age range. Age is as of January of the current program year.

Junior - Ages 8-10: Intermediate - Ages 11-13: Senior – Ages 14-18

Awards will be given for the top five individual scores and team metals for each discipline.

Registration forms must be completed and postmarked no later than, **June 14, 2016** in order to participate in the invitational. **Entry fees must accompany registration forms as well as health form and verification signed by certified instructor and club leader.** No refunds will be given in the event participant fails to attend the event.

ARCHERY RULES
PIKE COUNTY 4-H SHOOTING SPORTS INVITATIONAL

1. Each participant will shoot 5 arrows to an end, 6 ends to a round, 2 rounds per game for a total of 60 arrows (subject to change depending on number of participants). No separate classes for boys and girls.
2. Competitors may shoot in one of four categories: a) Recurve/longbow, no accessories; b) Recurve/longbow with accessories. c) Compound with release aid; and c) Compound, fingers only. Each competitor shall compete in their appropriate age category as defined in the General Rules.
3. All types of bows except foot bows and crossbows are permitted. Longbows, recurve and compound bows are allowed. **All bows must be in a case of some kind.**
4. No telescopic sights are allowed. However, open sites are permitted. Sight may not project beam on target.
5. Mechanical releases are permitted in specified class only.
6. Only target or field points are to be used. **NO HUNTING POINTS ALLOWED!**
7. Targets will be standard indoor targets (single bull or 5 rings).
8. Shooters will straddle the firing line.
9. A shooter must furnish his or hers own equipment (bow and arrows). Targets and backstops will be provided.
10. All shooters will start and finish each end at the conclusion of the scoring period except in the case of equipment failure or whenever called back to the line by the range officer. A shooter whose equipment has failed must notify the range officer and will be allotted 20 minutes to repair equipment and will be allowed 5 practice arrows. All arrows shot before equipment failure will count. If equipment is not repaired within allotted time, the shooter must take score before equipment failure. **NOTE: EQUIPMENT FAILURE IS NOT LOSING OR BREAKING OF ARROWS: BRING ADEQUATE NUMBER OF ARROWS!**
11. Scoring for Archery will be done on the range at the completion of each end while the arrows are in the targets. Total individual scores and team score will be calculated at the conclusion of the round and event respectively. **NO ARROWS OR TARGETS MAY BE TOUCHED UNTIL SCORED!** Any arrow or target touched before scored will be scored as a zero. All scores may be appealed to the range master.
12. All arrows that bounce off the target will be shot again, if witnessed by a range official or shooter. After target is scored, coaches may review under supervision of the scorer.
13. Scoring Rings – scoring is determined by the position of the shaft. The shaft must touch the scoring ring to score the higher value. Range officer has final authority. The number of X's will break tie scores.

14. **FOR SAFETY CONSIDERATIONS, ALL PARTICIPANTS WILL ABIDE BY THE RANGE RULES OR THEY WILL BE DISQUALIFIED. THIS INCLUDES COMPETITORS, COACHES, SPECTATORS, ETC. ENFORCEMENT OF THESE RULES IS THE RESPONSIBILITY OF THE RANGE OFFICER.**
15. **A Quiver or arrow holder must be used. No arrows lying on the ground.**
16. Any rules not covered in the tournament rules will be covered by the NFAA rulebook.

**SHOTGUN STANDARD 16 YARD TRAP RULES
PIKE COUNTY 4-H SHOOTING SPORTS INVITATIONAL**

1. 12 & 20 gauge shotguns are allowed.
2. Shooters will fire from 16 yards.
3. **All shooters will shoot two rounds. A round is 25 targets.**
4. Only intermediate and senior shooters may compete in trap. There is no junior division.
5. **Shooters must provide their own ammunition.** Ammunition used must be **factory-produced** ammunition NO RELOADS PERMITTED. Ammunition meets the requirements established by the Amateur Trap Association (ATA). No load shall contain more than 1 1/8 ounces of shot. Shot size must be 7 1/2 or smaller. Loads must not have a velocity of more than: 1290 fps with a maximum shot charge of 1 1/8 oz., or 1325 fps with a maximum shot charge of 1 oz. or 1350 fps with a maximum shot charge of 7/8 oz. Match officials have the authority to inspect ammunition and make a determination if ammo meets the above requirements. Ammo will be checked by range officer.
6. Eye and ear protection is required and must be provided by the shooter. Shell holder or vest must be used. No shells can be setting on the ground. **Guns are to be in a case at all times unless shooting.**
7. If all members of a squad are not present when their number is called to shoot, then that squad will be placed at the end of the competition.
8. An official of the range will do scoring for shotgun events on the range. Challenges will be settled on the range as they occur. The range officer in counsel with the scorer will decide the issue. Individual scores will be totaled at the completion of the round and team scores at the conclusion of the event. Any shooters who leave before the second round of their scheduled shooting must forfeit.
9. A shoot off will break ties or longest run. If participant is not present for the shoot off, he/she will automatically receive the lowest placing of the tie.
10. **FOR SAFETY CONSIDERATIONS, ALL PARTICIPANTS WILL ABIDE BY THE RANGE RULES OR THEY WILL BE DISQUALIFIED. THIS INCLUDES COMPETITORS, COACHES, SPECTATORS, ETC. ENFORCEMENT OF THESE RULES IS THE RESPONSIBILITY THE RANGE OFFICER.**
11. ATA rules will address rules not covered by these rules.

**SHOTGUN DOUBLES TRAP RULES
PIKE COUNTY 4-H SHOOTING SPORTS INVITATIONAL**

1. 12 & 20 gauge shotguns are allowed.
2. **ALL SHOOTERS WILL SHOOT ONE ROUND OF 50 TARGETS AT THE 16 YARD LINE.**
3. **Shooters must provide their own ammunition.** Ammunition used must be **factory-produced** ammunition - NO RELOADS PERMITTED. Ammunition meets the requirements established by the Amateur Trap Association (ATA). No load shall contain more than 1 1/8 ounces of shot. Shot size must be 7 1/2 or smaller. Loads must not have a velocity of more than: 1290 fps with a maximum shot charge of 1 1/8 oz., or 1325 fps with a maximum shot charge of 1 oz., or 1350 fps with a maximum shot charge of 7/8 oz. Match officials have the authority to inspect ammunition and make a determination if ammo meets the above requirements. Ammo will be checked by range officer.
4. Only intermediate and senior shooters may compete in doubles trap. There is no junior division.
5. Eye and ear protection is required and must be provided by the shooter. Shell holder or vest must be used. No shells can be setting on the ground. **Guns are to be in a case at all times unless shooting.**
6. If all members of a squad are not present when their number is called to shoot, then that squad will be placed at the end of the competition.
7. An official of the range will do scoring for shotgun events on the range. Challenges will be settled on the range as they occur. The range officer in counsel with the scorer will decide the issue. Individual scores will be totaled at the completion of the round and team scores at the conclusion of the event.
8. A shoot off will break ties or longest run. If participant is not present for the shoot off, he/she will automatically receive the lowest placing of the tie.
9. ATA rules will address rules not covered by these rules.

FOR SAFETY CONSIDERATIONS, ALL PARTICIPANTS WILL ABIDE BY THE RANGE RULES OR THEY WILL BE DISQUALIFIED. THIS INCLUDES COMPETITORS, COACHES, SPECTATORS, ETC. ENFORCEMENT OF THESE RULES IS THE RESPONSIBILITY OF THE RANGE OFFICER.

.22 SMALL-BORE RULES (Half of Standard Distance)
PIKE COUNTY 4-H SHOOTING SPORTS INVITATIONAL

1. Standard small-bore silhouettes will be used as targets. They will be placed at one half the standard small-bore range distances. The course of fire will consist of the following:

Stage1	10 shots at chickens	22 yards
Stage2	10 shots at boars	33 yards
Stage 3	10 shots at turkeys	42 yards
Stage 4	10 shots at rams	55 yards

2. The targets in each stage may be engaged in any sequence. Any target toppled will count as a hit. A turned, but untoppled target will count as a miss.
3. A maximum time period of 5 minutes will be allowed for each stage. All four stations will be fired at the same time. Competitors will rotate through the stages in sequence, beginning at stage 1. Magazines may be loaded during a load/preparation time period, but a round may not be chambered until the commence fire command is given.
4. Any .22 caliber rimfire rifle (no .22 mag) may be used. Any sight system including scopes will be allowed. **Competitors will provide their own standard velocity ammo. Ammo will be checked by Ranger Officer.**
5. Intermediate and senior competitors will shoot only from the standing position. Junior competitors will shoot only from the prone position. Only junior shooters will be allowed to use a sling.
6. Junior competitors may be verbally coached and physically assisted during loading. A single individual outside the shooting box may verbally coach intermediate and senior competitors, but no physical assistance may be given during a stage.
7. **ALL COMPETITORS, COACHES AND SPECTATORS ENTERING THE FIRING RANGE MUST WEAR EAR AND EYE PROTECTION AT ALL TIME DURING FIRING!**
8. **All firearms must be cased or have actions opened whenever on the range except during firing.** Semi-autos without a bolt hold open feature shall have a chamber flag or block to keep the bolt open. Open bolt indicator will be used.
9. The range will not be available for sight in prior to shooting. You will need to be sighted in prior to arrival.
10. In the event of a tie, the competitor with the most Rams hits will be declared the winner. If they have the same number, turkeys, boars then chickens will be used to break the tie.
11. **FOR SAFETY CONSIDERATIONS, ALL PARTICIPANTS WILL ABIDE BY THE RANGE RULES OR THEY WILL BE DISQUALIFIED. THIS INCLUDES COMPETITORS, COACHES, SPECTATORS, ETC. ENFORCEMENT OF THESE RULES IS THE RESPONSIBILITY OF THE RANGE OFFICER.**

AIR RIFLE BB RULES
PIKE COUNTY 4-H SHOOTING SPORTS INVITATIONAL

1. Age Divisions:

Junior - (8-10) – prone position only.

Intermediate – (11-13) – 3 positions.

No Senior Competition

2. Intermediate age participants will shoot 3 positions and in the following order:

Prone, 10 rounds for score (1 per bull)

Standing, 10 rounds for score (1 per bull)

Kneeling, 10 rounds for score (1 per bull)

Definition and pictures of the 3 positions are in the State Rules. Both Air Rifle and .22 Rifle positions are acceptable.

3. TARGET: AR 4/10 – (12 bull target) 10 bulls for score, 2 bulls for sight in. **Target Distance:** 5 meters (16 ½ feet). See State Rules for Target Heights.

4. EQUIPMENT:

- a. BB Gun – Any shoulder held smoothbore BB gun with metallic sights, in which the propelling force is developed through use of a compressed spring, gas or compressed air.
- b. Stocks – Factory stocks may be altered in length. When shortening or lengthening a stock the butt must be identical to the original. However, the butt may be roughed, checkered or scored to provide a non-slip surface. No other modification is allowed. Material such as sandpaper, emery paper, adhesives, rubber or rosin may not be added to any portion of the stock or forearm.
- c. External Modifications – except as noted for stocks, the only modification can be a single layer of tape or non-glare paint may be placed on the barrel for the purpose of reducing glare.
- d. Weight Limit – Weights may be added internally to either the fore-end or the butt of the stock. No weights may be added to the shot tube or barrel. The total weight of an unloaded BB gun may not exceed 6 lbs. excluding the sling.
- e. Sights – Aperture or open sights are permitted. Fiber optic or “hi-viz” sights are permitted. Optical or optically assisted (telescopic) sights are NOT permitted. Sights projecting an image (laser) are NOT permitted.
Sight modifications may be made only as follows:
 - 1 – Metallic receiver sights from any manufacturer may be substituted for factory sights.
 - 2 – Adjustable rear-apertures with eye cups are not permitted. A blinder for the non-shooting eye maybe attached to the rear sight.
 - 3 – A hooded front sight with interchangeable inserts may be used; however, no portion of the front sight may extend past the end of the barrel.
- f. Slings – Slings not exceeding 1 ¼ inches in width with moveable keepers are permitted. Slings cuffs and pads are prohibited. Slings are to be attached to the BB gun at a fixed attachment point on the forearm. No other type of adjustable sling attachment is permitted. Slings cannot be used for the Standing position.
- g. Kneeling Roll - Not more than 9.84” long (25 cm), 7.08” (18 cm) diameter, made of soft and flexible material is permitted.
- h. Sporting Equipment – Permitted (not provided).
- i. Clothing – Ordinary sports or casual clothing, suitable for the prevailing weather must be worn. NO special “shooting” pants, vest, jackets, gloves, padding, etc.

6. AMMUNITION: .177 (4.5mm) round BB’s. **Not Provided**, please bring your own.

7. **Eye Protection Is Required** for the shooter and any coach or assistant on the firing line and must be provided by the shooter.

8. **COACH/SPOTTER** – One coach or spotter must accompany each Junior Age shooter to the firing line. A coach/spotter may accompany and Intermediate Age shooter to the firing line.

9. **SIGHT- IN SHOTS** – 3 sight-in-shots permitted at each target change. Two minutes maximum time allowed for sight in.

10. **RECORDED SHOTS** – Time limit is 1 minute per shot. (10 minutes per target).

- a. Each shooter must start and finish each target within the allowable time, except in the case of equipment failure. A shooter whose equipment has failed must notify the Range Officer and will be allotted 20 minutes to repair equipment. If the equipment repair is allowed, the shooter will be excused from the current relay and range officer will re-schedule shooter for a later relay.
- b. All shots fired before equipment failure will count towards score. If equipment is not repaired or replaced within allotted time; or shooter cannot make the re-scheduled relay, the shooter must take score before equipment failure.

11. **SCORING:**

- a. When the shot hole cuts or touches the edge of bulls-eye or scoring ring of a target it is given the higher value.
- b. **CROSSOVERS** – shots on another shooter's target. The person crossing over will lose the score on that target. The target crossed onto will be scored for the highest point total. Shooters should immediately notify range officer when a crossover is suspected OR a neighbor's crossover may penalize the shooter.
- c. **Excessive Shots** – If a shooter through their own mistake shoots more than the required number of shots on a target and/or bull, he/she will be scored with the required number of hits of lowest value AND, in addition, lose one penalty point per extra shot fired.
- d. For purposes of the match only, any shot scoring a 10 will be considered and recorded as an "X".
- e. Tie scores will be broken by the highest number of "10" or "X" scores recorded. Then if needed by the highest number of "9" scores, then "8", etc. until tie is broken.
- f. Shots in dispute shall be scored with the aid of a "plug" type gauge. The plug gauge may be inserted only once. Two scorers will evaluate the shot and indicate their decision by writing a "+" or "-" on the target indicating higher or lower value AND then initial it. No challenge can be made for shots marked appropriately, as a hole can be plugged only once.

12. For safety consideration, all participants will abide by range rules or they may be disqualified. Second chances may not be offered. Enforcement of these rules is the responsibility of each range officer or line officer.

13. NRA BB Gun rules book (CC16410) will address any rules not covered by state shooting sports rules. Rules can be viewed online or downloaded:

<http://compete.nra.org/documents/pdf/compete/RuleBooks/Bbgun/bb-book.pdf>

3-P SPORTER AIR RIFLE RULES PIKE COUNTY 4-H SHOOTING SPORTS INVITATIONAL

1. This is a three-position air rifle (pellet) match: Prone, Standing, Kneeling at 10 meters (33 ft.) Junior division (8-10 yrs.) will shoot prone position only. Definition and pictures of the three positions are in the State Rules. Air Rifle and small bore rifle positions are acceptable.
2. Competition will be staged in 2 categories with 3 age classes each. It is critical that you enter the correct event – so be sure you know the difference between “open” sight and “aperture”. Ask your rifle leader if unsure – before completing the entry form.
 - a. **Standard Air Rifle:** Any rifle with open sights. (Open sights means it has a notch in the rear blade. It can be a square notch, v notch, or u-shaped notch.)
 1. Junior: 8-10 will shoot prone only.
 2. Intermediate: 11-13 will shoot 3 positions.
 3. Senior: 14-18 will shoot 3 positions.
 - b. **Aperture Air Rifle:** Any Sporter class air rifle with aperture rear sights, meeting the equipment standard listed below. (A Aperture sight is a rear sight that is round circle-like with a hole (or aperture) in the center for viewing. The “hole” may be large or small.)
 1. Junior: 8-10 will shoot prone only.
 2. Intermediate: 11-13 will shoot 3 positions.
 3. Seniors: 14-18 will shoot 3 positions.
3. **TARGETS:** AR-5/10, 10 meter, 10 scoring bulls Air Rifle target. Three targets will be fired for score consisting of 10 rounds for each relay. Three (3) sight-in shots will be allowed at each target change. **TARGET HEIGHT:** Targets at all firing positions will be hung at a uniform height. Prone: 20” (+/- 4”). Standing: 55” (+/- 2”) Kneeling: 32” (+/- 4”).
4. **Equipment/Gear:** This is a Sporter Air Rifle match. Brands/models specifically excluded are: Anschutz, Walther, and Feinwerkbau. Other rifles meeting the criteria below are permitted.
 - a. **Rifle:** Any .177 caliber – pneumatic, spring air, compressed air or CO2-rifle with a conventional appearance that is common retail or readily available catalog item.
Weight: Total weight of the rifle with sights and attachments (sling not included) may not be more than 7.5 lbs.
Stock: The stock must have a conventional design and be symmetrically shaped so that either a right or left-handed competitor can use it. The stock may be adjustable, but must remain the same in all three positions and may not be changed during a competition.
Sights: Open sights in Standard class. Fiber optic or “Hi-Viz” sights are permitted. Aperture or peep sights are used in Target class. **NO** optical or optically-assisted (telescopic) sights, **nor** sights that project an image on the target are permitted.
 - b. **Sling & Sling Swivel:** A sling may be used in prone and kneeling positions, but not for standing. The sling, no more than 1 ¼” in width, must be a simple web, leather or synthetic strap, with not padding, lining or special shaping. A sling swivel or hand stop that is attached to a rail in the fore-end may be used. The swivel may remain on the sporter rifle in the standing position, but may not contact the left hand or glove when it remains on the rifle in that position.
 - c. **Clothing:** Shooting jackets and special shooting pants are not permitted.

- d. **Shoes:** Special “shoes” such as used for precision target shooting are not permitted
 - e. **Glove:** Any ordinary glove or shooting glove is permitted. There is no thickness limitation for sporter class gloves, however the glove may not be so stiff or tight that artificially supports or binds the wrist so that it cannot bend.
 - f. **Ammunition:** Only .177 caliber lead wadcutter pellets allowed in this competition. NO specialty pellets permitted – only true wadcutters. NO domed, pointed, round, semi-wadcutter, or hollow point pellets. Ammunition will be checked by the range officials at check-in and also immediately upon arriving at the firing point. Ammunition must be labeled/marked with the name of the shooter.
 - g. **Spotting equipment** is allowed, but must be provided by the shooter.
5. Coach/spotter: One coach or spotter must accompany each Junior age division shooter to the firing line. A coach/spotter may accompany a Intermediate age shooter to the firing line. Senior shooters may not have a coach/spotter. See General rules #7 for guidelines.
6. Time limit: 3 minutes is permitted for each group of sight-in shots. 10 minutes per target for record shots.
- a. Each shooter must start and finish each target within the allowable time, except in the case of equipment failure. A shooter whose equipment has failed must notify the Range Officer and will be allotted 20 minutes to repair equipment. If the equipment repair is allowed, the shooter will be excused from the current relay and range officials will re-schedule shooter for a later relay.
 - b. All shots fired before equipment failure will count toward score. If equipment is not repaired within allotted time, shooter must take score before equipment failure.
7. Scoring:
- a. A shot is given the score of the highest value scoring ring touched by that shot hole.
 - b. Excessive shots: If a bulls-eye has more than the correct number of shots, the competitor will be penalized 2 points for each excessive shot. If a target has more than the required number of shots, the value of highest scored shot(s) will be lost...unless a crossover has been reported.
 - c. Crossovers: (shooting at another person’s target.) The person crossing over will lose the score on that shot. The target crossed onto will be scored using the highest point. Suspected crossovers should be immediately reported to the line officer,
 - d. Ties will be broken by the highest number of 10 points center shots or “X’s”... which is determined when the shot completely removes the 10 ring dot.
8. **EYE PROTECTION IS REQUIRED** for all shooter and any coaches or assistants on the firing line and must be provided by the individual.
9. For SAFETY consideration, all participants will abide by the Range Rules or they will be disqualified. Enforcement of these rules is the responsibility of the each Line Officer.
10. NRA Sporter Air Rifle Rule books (CA16320) will address rules not covered by state shooting rules. Rule book is also available online:
<http://compete.nra.org/documents/pdf/compete/RuleBooks/SAR/sar-book.pdf>

MUZZLELOADING RULES
PIKE COUNTY 4-H SHOOTING SPORTS INVITATIONAL

NO SMOKING! On or within 50 feet of the loading tables or firing line!!!!

1. Each shooter must be accompanied to the loading table with a “coach” whose job is to monitor loading and safety procedures of the participant during competition.
2. Each shooter will shoot from standing position only. See copy of State shooting rules.
 - a. Legal position would be same as Air Rifle and .22 Rifle.
 - b. Slings or Shooting Sticks (Rests) are not allowed.

Competition will be in one event with two (2) age classes.

- a. Intermediate (11-13)
 - b. Senior (14-18)
3. **COURSE OF FIRE: 16 shots, paper bulls-eye at 50 Yards.** Intermediate and Seniors both.
 - a. Allowed two (2) fouling/sighting shots
 - b. Followed by 16 shots for score (160 points)
 - c. Eight shots per target (2 targets)
 4. **TARGET:** NMLRA (National Muzzle Loading Rifle Assoc.) TG2406 – 100 yard, 8 ring black.
<http://www.nmlra.org/store.asp?CatID=5>

5. EQUIPMENT & SUPPLIES:

- a. **RIFLE:**
 - Caliber - .54 maximum and .32 minimum calibers permitted.
 - Ignition - May be by No. 11 percussion cap, musket cap, or 209 primer. NO flintlock.
 - Traditional or in-line rifles. “Set” or “Double” triggers are permissible.
 - Sights – Open iron, aperture and fiber optic sights will be permitted. No optical, telescopic or electronic sights.
- b. **SHOOTING SUPPLIES: ALL LOADING SUPPLIES AND EQUIPMENT MUST BE SUPPLIED BY THE SHOOTER; THIS INCLUDES POWDER, PATCH, BALL, CAPS AND SHORT STARTERS, RANGE RODS, CAPPER, POWDER MEASURE. ETC. ALL MUST BE APPROVED BY RANGE OFFICER.**
 - Powder limit will be a maximum of 60 grains.
 - Powders: Pyrodex RS, Triple Seven, or other equivalent black powder substitute or 3f black powder. Bring powder in original container and show to the range officer for approval before dispensing into a powder flask/horn.
 - No. 11 caps, musket caps, or 209 primers are permitted.
 - Caps/capper and powder must be checked-in with the range officer when you arrive on the range.
- c. Round Ball Only. (Supplied by shooter) All round balls must be soft lead in composition.

6. PROCEDURE:

- a. All loading will be done at loading table by the shooter under the supervision of a coach, leader, or parent. The powder container must be capped immediately after filling the powder measure. No loading directly from the powder container to the rifle is permitted.
- b. After loading, wait until the Range Officer gives the command to approach the firing line.
- c. Do not cap the rifle until range officer authorizes.

d. After firing the shooter will return to the loading table and insert the range rod. Then he/she may begin preparation for loading. NO blowing down the barrel!!!!

7. **HANG FIRE:** Notify Range Officer Immediately. Keep rifle pointed down range a minimum of 2 minutes. Range Officer will take charge of clearing round from the chamber with silent ball discharge. This will be considered an equipment failure. A dirty, un-fireable firearm will be considered equipment failure after the second attempt to fire. The firearm will not be cleaned by the Range Officer. A roped-off, safe area will be provided and can be used as a pre-shoot cleaning and preparation area.

8. **TIME LIMIT** is 60 minutes to shoot 16 rounds. Time begins after the two fouling shots, (little less than 4 minutes per shot)

a. Each shooter will start and finish within the given amount of time, except in the case of equipment failure. A shooter whose equipment has failed must notify the Range Officer and will be allotted 20 minutes to repair equipment.

b. All shots fired before equipment failure will count towards a score. If equipment is not repaired within the allotted time, participant must take the score before equipment failed.

9. **SCORING:**

a. Point values: 10 points for center ring and X-ring, next outward ring is worth 9 points, with each outward ring worth 1 less point.

b. Ball must touch the scoring ring to count the higher point value.

c. Crossovers (shooting at another person's target). Person crossing over will lose score for that shot. For whomever the shot crossed-over-to, the shot does not count. The shooter must still take the shot.

d. Point value for all 16 shots will be totaled to arrive at final score and placement.

10. **TIE BREAKER:** Ties will be broken by:

a. Number of "Xs"

b. If still tied, then by number of shots in the 10 ring, then 9 ring, etc...until broken

11. **SAFETY:**

a. All shooters, coaches or spotters must provide their own eye and ear protection and are required to use them at all times while on the range.

b. The muzzle must be pointed "up" or pointed down-range at all times.

c. The range rod or ramrod will serve as an empty barrel indicator and must be in the barrel whenever removed from the case except when: advancing to firing line, returning to the loading table after firing, during the cleaning, swabbing, loading process or when loaded.

d. NO SMOKING allowed by any party anywhere near the Muzzle Loading Area.

e. A roped-off, safe area will be provided and will be used as a pre-shoot cleaning and preparation area. Shooters must not handle their firearms unless in the prep area or on the line.

f. ALL participants will abide by range rules or will be disqualified. Enforcement of these rules is the sole responsibility of the range officer

12. Rules not addressed will be covered by National Rifle Association Muzzle loading Rifle, Pistol and Shotgun Rules #CB16380

AIR PISTOL RULES
PIKE COUNTY 4-H SHOOTING SPORTS INVITATIONAL

1. Only 4-H members receiving a minimum of 10 hours of direct instruction during the current year from a properly enrolled and 4-H pistol-certified volunteer are eligible to compete.
2. Competition will be held in all age divisions. **COURSE OF FIRE.**
 - a. Junior age 8-10 – 40 rounds, any of the 3 basic supported positions, as appropriate for age and experience – seated at a table and sand bags or other supporting material. 5 shots per bull (see positions below)
 - b. Intermediate age 11-13 – 40 rounds total, standing position. All rounds will be shot two-handed, unsupported position; 5 shots per bull.
 - c. Senior age 14-18 – 40 rounds total, standing position. All rounds shot one-handed, unsupported; 5 shots per bull.

The permitted two-handed hold is the same as allowed in pistol silhouette. The arm or arms are not braced or supported by other parts of the body. Neither the “trigger” hand (or arm) nor any part of the pistol may make contact with the opposite arm at any point at or above the pivot point of the wrist. See picture included in NRA Pistol rule book and illustrations in Small bore pistol section for acceptable one-hand hold.

In all three basic supported positions the shooter is seated. Shooter may use supporting material, such as boxes, duffel bags, bean bags or sand bags on the table or bench. The competitor’s shooting arm must be fully extended, with the sights at eye level. The no-firing hand may provide support for the firing hand or the butt of the pistol. Note: Elbows are not allowed to rest on the table in any of the supported positions. The table is not considered “supporting material”. Differences noted below:

BASIC SUPPORTED – I

The shooter may rest any part of either or both hands and forearms and the pistol, including the barrel on the supporting material.

SUPPORTED – II

Shooter may rest the butt of the pistol on the supporting material.

ADVANCED SUPPORTED – III

The shooter may rest his or her forearm(s) on the supporting material, but no portion of the pistol.

3. **PISTOL:** Any 4.5 mm (.177 cal) type of pneumatic, compressed air or CO2 pistol or revolver meeting the following requirements may be used.
 - a. The weight of the pistol or revolver with all accessories must not exceed 3.3 lbs.
 - b. The trigger pull must be at least 500 grams (17.6 oz.), measured with the barrel vertical.
 - c. No part of the grip or accessories may encircle the hand. The heel rest must extend at a right angle not less than 90 degrees to the grip. Any upward curvature of the heel and/or thumb rest and/or downward curvature of the side opposite the thumb is prohibited. The thumb support must allow free upward movement of the thumb. However, curved surfaces on the grips or frame, including the heel and/or thumb rest in the longitudinal direction of the pistol are permitted.
 - d. Overall size of pistol is limited to those dimensions that will permit the pistol to be enclosed completely in a rectangular box having the dimensions of 420mm x 200 mm x 50 mm (approx.. 16.35” x 7.87” x 1.76”).
 - e. Sights: Only open sights are allowed. Optics, mirror, telescopic, laser beam, electronically projected dots, etc. are prohibited.
 - f. The Range Officer is authorized to inspect each firearm for safety and function.

4. Shooting distance will be at ten (10) meters (33 feet).
5. **Official targets** will be the B-40/4, a 4 bull target. TARGET PLACEMENT will be as follows: Junior division targets will be placed 36 inches from ground to center of target; Intermediate and Senior divisions targets will be placed 55 inches (+/-4") from ground to center of target.
6. Shooters will be required to load and fire one round at a time.
7. **AMMUNITION: NO pellets are provided; each shooter will be required to bring their own pellets.** Ammunition must be .177 caliber, lead wadcutter. No hollow points, domed, pointed, semi-wadcutter or other specialty pellets are permitted – only true wadcutter pellets. Pellets will be approved at check-in and also inspected when the shooter arrives on the firing line. CO2 cartridges will not be provided – shooters must supply their own, if needed.
8. **Time Allotted:**
 - a. Sighting shots will be permitted and may only be fired before the beginning of the match. Two single bull B/40 targets will be allowed for sight-in – with a 10 shot, 5 minute limit.
 - b. Shots will be fired in strings of 10. 1 minute per shot (10 minutes per string) is allowed.
 - c. Each shooter is to start and finish the round within the allotted time limit, except in the case of equipment failure. A shooter whose equipment has failed must notify the Range Officer and may be allowed up to 20 minutes to repair equipment – at the discretion of the RO.
 - d. A maximum of two (2) alibis are allowed per shooter.
9. **Scoring:**
 - a. Each bull has 50 points possible – 5 shots at 10 points each.
 - b. A shot is given the score of the highest value scoring ring that is touched by the shot hole.
 - c. An inner ten (x) is a shot that touches the smaller ring inside the ten ring. For this competition only, the highest number of Inner ten shots (x's) will be used to break ties.
 - d. Crossovers (shooting at another's target): The person crossing over will lose the score on that round. The target crossed over onto, will be scored using the highest point value. Shooters should notify range officers immediately upon noticing a cross over shot.
10. Eye protection is required at all time for shooters, any coaches or assistants when on the firing line and must be provided by the individual.
11. Each shooter may bring his/her own spotting equipment.
12. **Parent/coach responsibility:** Junior Division: A parent/coach must accompany the shooter to the firing line and must load and charge the pistol for the youth. Intermediate Division: Parent/coach to be on the line and may help charge pistol. Senior Division: Coach/parent should be available in close proximity but must stay behind the firing line, regardless of weather conditions.
13. For SAFETY considerations, all participants will abide by the range rules (including the CBI requirement) and the directions from the Range Officer or they will be disqualified. Enforcement of these rules is the responsibility of the Range Officer. The Range Officer has absolute control of the range and may excuse or disqualify any participant, coach or parent as he/she sees fit.
14. NRA International Pistol rule book (CI 16500) will address rules not covered by the Missouri 4-H Shooting Sports rules.

REGISTRATION FORM
2016 PIKE COUNTY 4-H SHOOTING SPORTS INVITATIONAL
JUNE 26, 2016

NAME: _____ 4-H AGE: _____
ADDRESS: _____
CITY: _____ COUNTY: _____
4-H CLUB: _____ TELEPHONE: _____
E-MAIL ADDRESS: _____

CIRCLE AGE DIVISION: JUNIOR (8-10) INTERMEDIATE (11-13) SENIOR (14-18)
PLEASE MARK THE DISCIPLINES YOU WILL BE COMPETING IN: IF COMPETING IN MORE THAN ONE PLEASE MARK THE ORDER YOU WOULD LIKE TO SHOOT.

___ ARCHERY (FEE \$8.00 FOR EACH EVENT SHOT)
___ RECURVE – NO ACCESSORIES (INSTINCTIVE) ___ ACCESSORIES (SIGHTS)
___ COMPOUND – FINGERS ___ RELEASE

___ .22 SMALL-BORE (FEE \$8.00)
___ Silhouette Half Standard Distance - Junior Prone Position, Intermediate/Senior Standing

___ SHOTGUN (TRAP & DOUBLE TRAP) (FEE IS \$15.00 FOR EACH EVENT SHOT)
___ 16 YARD TRAP INTERMEDIATE/SENIORS – 50 TARGETS
___ DOUBLE 16 YARD TRAP INTERMEDIATE/SENIORS – 50 TARGETS

___ AIR RIFLE (FEE \$8.00 FOR EACH EVENT SHOT)
___ BB AIR RIFLE ___ BB PELLET
___ 3-P SPORTER AIR RIFLE – STANDARD _____ APERTURE _____

___ MUZZLE LOADING (FEE \$8.00)

___ AIR PISTOL (FEE \$8.00)

ALSO ATTACH HEALTH FORM:

I verify that the 4-H member registering for this tournament is enrolled in the respective disciplines in which they are competing for the current 4-H year and is in good standing in the 4-H club in which he/she is a member. I further verify that the member participating in this event has completed the firearm safety requirements as set forth in the Missouri 4-H shooting sports program.

Shooting Sports Certified Instructor Date Shooting Sports Certified Instructor Date

Club Leader Date Parents Date

PLEASE REMIT THIS FORM ALONG WITH HEALTH FORM & ENTRY FEE (MAKE CHECKS PAYABLE TO PIKE COUNTY 4-H COUNCIL) BY JUNE 14, 2016 AND MAIL TO: PIKE COUNTY EXTENSION OFFICE, 115 W. MAIN ST., BOWLING GREEN, MO 63334