



2019 Saline County 4-H Shooting Sports Manual

UNIVERSITY OF MISSOURI
M Extension
Live. And Learn.

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Basic Information

Your Certified 4-H Shooting Sports Volunteer Leaders in Saline County:

Delmer Croka, County Coordinator

Alvin Moenkhoff, President

Rick Coyer

Todd Gann

Ed Meyer

Missy Gann

Laura Pummill

Nichole Gann

Bob Bagnell

Ann Gorrell

Matt Huston

Ron Plattner

Shawn Schell

Julie Vogel

Gene Eddy

Barney Gorrell

Brad Medcalf

Shannon Johnson

Gerry Snapp

Lari Welch

Three Cardinal Rules of Gun Safety – M.A.T

Muzzle - Always keep the muzzle pointed in a safe direction.

Action - Always keep the firearm unloaded and the action open until ready to fire.

Trigger - Keep your finger off the trigger until you are ready to fire.

ANOTHER GOOD ONE Be sure of your target AND beyond.

Saline County 4-H Shooting Sports County Contact Information

The Saline County 4-H program including the Shooting Sports project is administered through the University of Missouri Extension Office in Saline County.

Coordinator Delmer Croka – cell 660-641-1562

President Alvin Moenkhoff – home 660-538-4556 or cell 660-641-4556

Saline County 4-H Shooting Sports Program Information

Goals

- Teach and practice the safe handling of firearms and archery equipment
- Teach sound fundamentals of shooting
- Encourage responsible and socially acceptable use of firearms and archery equipment
- Provide opportunity for a variety of shooting experiences
- Provide opportunity to excel and compete

Requirements

- Enrolled on 4honline.com as an Active Member
- Paid County Shooting Sports fee
 - \$30 per member, or maximum of \$70 per family
- Provide own equipment, Limited loaner equipment may be available.
- Pay for ammunition/supplies on range each practice
- Completed SS740 Shooting Sports Safety Class requirement
- Attend one half plus 1 of scheduled practices or a minimum of 10 hours, of project instruction/practice
- Demonstrate skill and knowledge by participating
- Attend the Saline County Match
 - Normally held during the week of the Saline County Fair
 - Must complete the attendance requirement in order to participate in the county match
 - Must help set up or take down for county match or no premium will be paid
 - Challenge target scoring will only be allowed at the conclusion of all events.
- An adult is expected attend with Junior members and participate as requested
- While on the Shooting Line, Youth and adults must wear appropriate attire at all times. These are all subject to range officials.
 - No low cut shirts. T-Shirt or Crew necks are preferred, shorts to the fingertips, and Closed-Toed Shoes

Other Expectations

- Exhibit willingness to learn
- Practice safety at all times
- Participate with a positive attitude
- Exhibit at the county fair

Age Divisions

Junior – 8-10 years old in 4-H age

Intermediate – 11-13 years old in 4-H age

Senior – 14-18 years old in 4-H age

SS740 Shooting Sports Safety Training Prerequisite

4-H members are required to complete a minimum of 6 hours of firearm and archery safety. This requirement cannot be waived! Saline County 4-H volunteer instructors will conduct the 6-hour safety course. Please give attendance your highest priority. Two years of participation in the safety training is recommended for younger members (8-9) year olds. First-year shooting members taking the safety training should enroll in project SS740 Shooting Sports Safety, as well as their shooting project.

Shooting Range Location

The 4-H shooting range is located just ½ mile north of Marshall on 65 Highway. Please enter at top gate by the shotgun range with all parking inside the range gates, near the Coon Hunters Building. Other locations will be announced if needed.

Considerations for All Projects

Personal Safety equipment

Appropriate eye protection is required in all shooting projects for youth and adults on the firing line. Approved shatterproof safety glasses or prescription lenses of poly carbonate is required. Ear protection is required for shotgun, smallbore rifle, smallbore pistol and muzzleloading.

Ammunition

An important safety procedure in 4-H is to “control” the ammunition, therefore, all ammunition will be provided. No ammunition should be brought to the range by the 4-H member. The 4-H'er will be required to purchase the ammunition at a modest cost with NO REFUNDS. With prior permission, youth using .22 LR shells may supply shells at check-in.*

- Shotgun
 - Shotgun shells 12 or 20 gauge and Clay Targets
 - \$15 per 25 shots, \$150 for 10 rounds during the season
- Pistol and Rifle
 - .22 LR shells
 - \$4.00 per week, \$40 for 10 rounds during the season
 - BB's and pellets – No additional fee
- Western Heritage
 - Intermediate and Seniors - \$5 per night
 - Juniors - \$5 per night

Equipment

Equipment used in the Shooting Sports program is critical in the success of the youth. Nearly any kind of equipment “can” be use, as long as it is safe. However, some equipment will make the teaching/learning process easier and can help the 4-H member become successful; and some can actually make the task much more difficult. Below are some “recommendations” for equipment, not requirements. We will work with the individual 4-H member with whatever equipment he/she brings to the project training. If you are going to buy equipment, please pay close attention to the recommendations below.

Project Recommendations

Archery - SS741

Open to Youth 8-18 years old in 4-H age

Recommended equipment for beginners is a nice recurve bow or the Genesis Bow from Matthews. Expensive “compound’ bows are not recommended for beginning archer, though older experienced youth may want to utilize compound bows. The cost of decent recurve bows ranges between \$80-\$120. Genesis bows are about \$115. These prices are available through special youth purchase programs available through the 4-H instructors and may not be available at local business. Check with the archery instructor about the best size, draw weight, etc. Please do not waste money on the inexpensive kids compound bow kits available at discount stores. Archery distances: Juniors 10 yards, Intermediates 15 yards, Seniors 20 yards.

Air Rifle - SS742

Open to any youth of 4-H age.

If the youth already has a BB gun or pellet rifle available, it can be used. However, if you will have to purchase a gun, please think about the following recommendations. Absolutely the best BB gun available and the one most highly recommended is the Daisy Model 499. It is not usually found at the local Wal-Mart. 4-H instructors can order it directly from Daisy at a special price of about \$90. We recommend at least a year of BB gun before going to pellet rifle or .22. BB gun shooters will shoot from a distance of 5 meters.

When shopping for a pellet rifle, please do not get one that requires multiple pumps. A single pump or CO2 rifle is the way to go. Also, look for a pellet rifle that has adjustable rear sights. There are many pellet rifles available in many price ranges. Beginning shooter should not invest in the expensive models. After

a year of shooting and if the youth wants to get serious about shooting and scores, then your instructor can recommend some models at generally around \$225. Pellet rifle shooters will shoot from a distance of 10 meters.

Rifle - SS742 & SS743

- Junior age division members (ages 8-10)
 - Shoot from a prone position only.
- Intermediate and Senior members
 - Will be taught 3-P positioning which includes:
 - Prone, Standing and Kneeling.

Smallbore Rifle - SS743 (.22)

Open to any youth of 4-H age.

This project is open to any age 4-H member, however it is highly recommended that young and inexperienced 4-H'ers have at least one year of Air Rifle before signing up for .22.

Recommended equipment is a single shot (bolt action or break action) rifle with an adjustable rear sight. Scopes are not permitted. If a youth has a repeater, they will be required to load and fire one shell at a time. So be sure that is possible and easily done. Any rifle "can" be made to work, but some make it a lot easier on the youth. Please, before buying a .22 rifle, check with the instructor.

The basic 4-H small-bore contest is shot at a distance of 50 feet.

Pellet Pistol - SS744

Open to any youth of 4-H age.

Youth ages 8-10 years old will shoot from a seated and supported position.

Crosman has acceptable pistols at a reasonable rate. Be sure not to buy an air pistol that requires multiple pumps. For serious shooters, there are even better pistols available – but of course, at a higher price - \$225 and up.

Youth shoot pellet pistol at targets spaced at 10 meters. They will learn both two-hand and one-hand holds.

Smallbore Pistol - SS747 (.22)

Open to Youth 14 - 18 years old in 4-H age

The smallbore pistol project is relatively new to the 4-H shooting program. There are some special prerequisites that must be met, before a youth can participate.

- Open only to 4-H members 14 years of age or older (4-H age, as of Jan 1).
- 4-H member has successfully completed the 4-H pellet pistol program prior to instruction in small bore.
- The pellet pistol leader must approve the member for enrollment in the small bore pistol project.
- Missouri law says that the pistol and ammunition cannot be transported from home to range by a youth. Transportation requires an adult (18 or older).

The course of fire will require a pistol or revolver with at least a 5-shot capacity. The barrel length – including the chamber – cannot exceed 10 inches. Open sights only. The two most common models used will be the Ruger Mark II and Browning Buckmark. Many other models of .22 pistols will work, but it is strongly recommended that it have adjustable rear sights. Pistols will be shot slow-fire and timed-fire from a distance of 25 yards.

Shotgun – SS745

Open to Youth 11 - 18 years old in 4-H age

The basic fundamentals of wing shooting will be taught with the use of manual throwers first and then automatic trap throwers. Youth will learn the basics of trap shooting. Experienced youth will have opportunities to develop skills in skeet and sporting clays.

Equipment recommendations depend on the age, size, and experience of each individual. Younger youth should give serious thought to a 20-gauge auto-loader, second choice would be a 20-gauge pump. Over and under shotguns are nice, but not necessary. The 20-gauge is recommended because of less recoil and the auto is even better at absorbing recoil. Older and/or larger youth will find a 12-gauge preferable, if they are not recoil sensitive. Again, an auto 12-gauge will have much less felt recoil than a pump or O/U. There are adequate (not great) auto-loading shotguns available for less than \$400. Bolt action and single shot break-open shotguns ARE NOT recommended - in fact, are strongly discouraged. Shotgun participants will also need a “shot shell bag”. These go around the waist and hold a box of shells and empty hulls. Cost is \$12-15 and up. Nail aprons or something similar will work, if you choose not to purchase the shot shell bag.

Muzzleloading Rifle – SS748

Open to Youth 11 - 18 years old in 4-H age and previous rifle-shooting experience

Any muzzleloading rifle is permitted, but only round ball will be used. Traditional style muzzleloaders work best. A barrel with a slow twist (such as 1 in 60) is preferred – but will be difficult to find. We recommend a barrel with at least a 1:48 twist. Many in-line models are 1:32 – not recommended. The muzzle loader must also be ignited with a No. 11 percussion cap. 209 primers are not permitted.

Western Heritage & Cowboy Shooting - SS990

Open to Youth 14 - 18 years old in 4-H age

Youth must have completed at least one year in 4-H Shooting Sports rifle, pistol (air/smallbore), muzzleloading or shotgun.

Intermediates may participate in the Western Heritage program if enrolled in shotgun or .22 rifle, but must attend Western Heritage classes. Intermediates participate in the educational history, shotgun and .22 rifle segments (no pistol).

Learn to compete against the clock by firing at steel or cardboard targets at various distances with period firearms such as single-action revolvers, lever-action rifles and double-barreled shotguns.

Beyond Saline County Opportunities

There are several opportunities for our Saline County 4-H shooters to participate in other shooting events during the season, besides our county shoot. We believe there is great value in participating in these other events and encourage parents/youth to do so.

Leader Certification Training

- March 22-24 at Camp Jo-Ota in Clarence
- April 12-14 Hunting Skills at Windermere, Cameron
- May 3-5 Western Heritage, Marshall
- October 4-6 Fall Leaders Certification, TBA

State Shooting Sports Contest

This great event is now divided into various segments held on:

- July 12-14 Western Heritage Border War in Bolivar (tentative)
- August 17 State Skeet
- August 24 State Trap at River Hills
- August 24-25 Archery 300
- September 6-8 Western Heritage State in Marshall
- September 21-22 State Shoot at Prairie Grove & River Hills

This annual shoot is a great experience and we would encourage our county shooters to enter and participate. Registration will open in July on 4honline.com, so please check with the Shooting Sports County Coordinator, instructors or the Saline County Extension Office for more information.

National Shooting Sports Championships

This great event is now divided into various segments held on:

- National 4-H Shooting Sports Invitational
June 23-28 in Grand Island, NE
Must qualify on a State Team to attend, as a participant.
- 4-H Western Heritage National Conference
July 30-August 1
in Winton, California
Must complete county requirements to attend.

2020 State Shooting Sports Tryouts

To participate in 2018 4-H SS National Championship, Youth must try-out for a team. These tryouts are divided into various dates and locations are TBA.

Fair Exhibits and Demonstration Ideas

Shooting Sports project members are encouraged to enter an exhibit in the county fair. Each instructor should provide ideas and show examples of possible exhibits during the project meetings.

Fair Exhibits

Educational displays are always an option, but also consider projects you can “make” such as:

- target holders
- pellet/shell holders
- pellet stop
- bullet bag
- powder horn
- possible bag
- bullet block
- loading stands
- powder measure (horn, antler, or bone)
- bow or arrow boxes
- archery butts
- shooting cuff
- ground quivers
- target stands
- cresting jig
- short and long starters
- patch knife
- capper
- tanning leather
- making a muzzleloader from a kit
- rifle sock
- range flag
- rifle mat
- shooting jacket (make your own)
- cartridge block
- sandbags
- shooting rest
- shooting bench
- reloading bench
- cleaning stand/vice
- shell boxes
- shell pouch
- shooting vest
- reloading bench
- gun case
- cleaning supply organizer
- reloading record journal
- shooting journal
- teaching/instructional aides
- wind indicator

Demonstration Ideas

- Fletching an Arrow
- How targets are scored
- Basics of muzzle loading
- The four position of competitive rifle shooting
- Proper Cleaning of shotgun (or rifle or muzzleloader)
- Selecting the right sights for the task
- Ten Steps to the X Ring

Saline County 4-H Shooting Sports Schedule 2019

Sunday January 27: Countywide Sign Up Meeting at 2:00 p.m. at the Fairgrounds

Sunday, February 2: Shooting Sports 740 Safety Class at 8:00 a.m. - 3:00 p.m. at the Range

First-Year Members Instruction Classes at the NRA Building at the Range:

First-year members (others are welcome) in BB Gun, Pellet Rifle, .22 or Air Pistol are required to attend Basic Rifle Instruction Session on Tuesdays beginning at 6:00 p.m. at the Range. Bring your own BB gun or Pellet Rifle. Youth shooting .22, if you do not have an Air Rifle we can lend you one.

January	27	County Sign Up Meeting	2:00 pm
February	2	Shooting Sports 740 Safety Class	8:00 am to 3:00 pm
	5	Basic Rifle Instruction I	6:00 pm
	12	Basic Rifle Instruction II	6:00 pm
	19	Basic Rifle Instruction III	6:00 pm
	26	Basic Rifle Instruction IV	6:00 pm
March	12	Basic Rifle Instruction V	6:00 pm
	19	Basic Rifle Instruction (Make Up Date)	6:00 pm
March	30	Range Work Day	8:30 am

Sunday Range Sessions

For all disciplines Except: Shotgun, Western Heritage & Hunting/Outdoor Skills

2-3:00 pm	Muzzleloading Archery Air Rifle -Flight 1
3-4:00 pm	Air Rifle -Flight 2 Air Pistol Small-bore Rifle -Flight 1
4-5:00 pm	Small-bore Rifle -Flight 2 Small-bore Pistol

Check in at Coon Hunter’s Building and be on the range ready at posted start time.

Saline County 4-H Shooting Sports

Summer Shooting Schedule at the Ed Dysart Memorial Range

March	31	All Disciplines except Shotgun/WH/Hunt Skills
April	2	Shotgun -Trap 6:30 pm
	14	All Disciplines except Shotgun/WH/Hunt Skills
	16	Shotgun -Trap 6:30 pm
	28	All Disciplines except Shotgun/WH/Hunt Skills
	30	Shotgun -Trap 6:30 pm
May	5	All Disciplines except Shotgun/WH/Hunt Skills
	7	Shotgun -Trap 6:30 pm
	19	All Disciplines except Shotgun/WH/Hunt Skills
	21	Shotgun -Trap 6:30 pm
June	1	Saline County Invitational Shoot Saline County BBQ
	2	All Disciplines except Shotgun/WH/Hunt Skills
	4	Shotgun -Trap 6:30 pm
	9	All Disciplines except Shotgun/WH/Hunt Skills
	11	Shotgun -Trap 6:30 pm
	16	All Disciplines except Shotgun/WH/Hunt Skills
	18	Shotgun -Trap 6:30 pm
	23	All Disciplines except Shotgun/WH/Hunt Skills
	25	Shotgun -Trap 6:30 pm
July	30	All Disciplines except Shotgun/WH/Hunt Skills
	2	Shotgun -Trap 6:30 pm
	5	Set-Up for County Western Heritage Shoot
	6	Western Heritage County Shoot at 8:00 am Range Set-Up for County Shoot 1:00 pm
	7	Saline County Fair 4-H Shooting Sports County Shoot Range Tear-Down