

## **SCFC 100 yard Rimfire League**

### **A: 2024 Season:**

21-week duration: May 9, 2024 - September 26, 2024.

Three 7-week series, each series will be scored using the 6 best scores.  
Practice starts at 4 PM, first relay at 6 PM.

### **B: Match Fee:**

Members: \$15.

Non-members: \$25.

### **C: Targets:**

Customized IBS 100 yard Hunter class target with 10 scoring bullseyes, one shot per bullseye, with 5 sighters may be taken at any point during the match, and a money shot. (16 shots total)

### **D: Money shot**

Money shot is to be the last shot taken.(\$10 buy in)

### **E: Relays**

Each relay lasts 8 minutes.

### **F: Rimfire Committee:**

Jay Cummings, Don Putnam Jr, John Messier, and John Hakey, will discuss and rule on any rule requiring interpretation. SPFC Range rules are strictly enforced.

Safety violations may lead to ejection from the league and range.

H: **Sharing of rifle** Two shooters may be permitted to use 1 rifle

### **I: Drugs & Alcohol**

No alcohol or drug use is permitted on SCFC property.

## **SCFC Rimfire 100 Yard Weekly League Rules:**

1: IBS 100-yard rimfire rules form the foundation.  
House rules take precedence over IBS rules

### **2: Safety**

2.1 Safety is paramount, all range safety rules must be followed at all times.

2.1.2 Any competitor creating a safety hazard can be asked to leave the range at the match directors discretion.

2.2: No person shall sit at or be within five feet of any bench during the changing of targets until the Range Officer announce, "Competitors" may take their place at their Benches."

2.3: At the discretion of the match director, the placing of rifles on rests between relays is

allowed provided that the “bolts out” (except between proper commands) rule is retained and only after the Range Officer has called Competitor’s relay to the line.

2.4: Any special Range Rules are to be announced at time of Registration (i.e. no guns on rests while the target crew is on the range, special firing times, etc.)

### **3: Open Actions:**

All actions shall be open, the bolts removed, and ECI’s inserted where applicable, except on the firing line between the appropriate commands given by the Range Officer (General Instructions)

### **4: Firing:**

4.1 No shot shall be fired until the command “Commence Fire” has been given in its entirety nor shall any shots be fired after the “Cease Fire” has been initiated.

4.2 Any shots fired prior to “Commence Fire” will result in disqualification of the offending competitor from the entire match.

### **5: Position of Muzzle:**

5.1 The muzzle of every rifle when in firing position shall be in front of the front edge of the bench upon which it rests.

## **6: Emergency Commands:**

6.1 All competitors must obey at once the command “Cease Fire” and shall not fire again until the command “Resume Fire” is given. If conditions require a suspension of fire, the time of suspension shall not be charged to the time allotted for completion of the relay, an extra one minute will be added to remaining time, not to exceed the original time allotted.

## **7: Rifle Classifications**

7.1 Any rifle that does not conform to the classification standards may be used in the next higher class. Factory to Custom or Unlimited.. Unlimited and Factory class rules are similar to other Rimfire Benchrest organizations to allow seamless cross-over between the organizations and their matches.

### **Unlimited Class**

- a. Any firearm chambered for the .22 Long Rifle cartridge may be used.
- b. There are no weight limits, no sub classes, and no dimensional restrictions to barrels, stocks, or limits on scope magnification.
- c. Rests must conform to (Sec.7.3 Rests).

### **Custom Class**

- a. Any magazine, tube fed, or single shot rifle, chambered for the .22 Long Rifle cartridges that meet the following criteria, may be used. The rifle, including optics, cannot weigh more than 15 Lbs.
- b. Ammunition does not need to be fed from the magazine. Competitors may load the ammunition one round at a time.
- c. Any stock or chassis may be used with a stock width of not more than 3.000" (as measured with calipers, inclusive of any "stock tape").
- d. Any action may be used that was originally available on a factory, production rimfire rifle. (Anschutz, CZ, Bergara, Remington etc.) The action may be 'blueprinted' to original specifications. Aftermarket actions such as the Voodoo, Rim-X, 2500 etc. are not allowed in the Custom Class.
- e. The rifle's action may be glass and pillar bedded to the stock; but must be removable from the stock.
- f. Any barrel may be used that meets the following criteria:
- (i) The barrel cannot be larger than 1.250" in diameter at any point.
  - (ii) The barrel length must be greater than 16.5"
  - (iii) The muzzle of the barrel may be threaded for a tuner
  - (iv) The use of muzzle brakes and/or venting or porting of barrels that redirect gas flow from following the direct line of the rifle bore shall not be allowed.
  - (v) A 'bloop tube' attached to the end of the barrel is permitted as long as the rifle is within weight requirements.

g. The trigger mechanism may be modified or replaced completely but must

always function safely. A trigger with no safety is allowed. Release triggers are not permitted.

h. Any optic is allowable and may be attached to the rifle as originally designed by the manufacturer.

i. Use of an attached barrel tuner shall be allowed, with the following restrictions:

(i) The tuner must be securely attached to the barrel (not made integral to the barrel).

(ii) The tuner cannot have venting ports

(iii) The rifle must not exceed the weight as described herein.

(iv) Adjusting the tuner during a match can only be accomplished while remaining seated, and after removing the bolt from the action.

(v) The tuner is exempt from the barrel diameter restrictions (may be any

diameter and length), but the barrel itself must remain within the dimensions

as stated in the current rules. Failure to adhere to previously stated restrictions will result in immediate disqualification of the competitor from the

aggregate in which she/he is competing at the time of the violation.

J. Any rest that conforms to (Sec.7.3 Rests), for this class may be used.

One-piece rests are prohibited.

## **Factory Class**

- a. Any magazine or tube fed .22 rifle in production that is readily available and produced in quantities greater than 500 with MSRP of LESS than \$1250.00 or is included on the approved factory rifle list.
- b. Ammunition does not need to be fed from the magazine. Competitors may load the ammunition one round at a time.
- c. Any optic is allowable and may be attached to the rifle as originally designed by the manufacturer.
- d. No modifications to the firearm or stock are permitted except those specifically listed outlined below.
  - (i) Trigger mechanism may be modified or replaced completely but must always function safely. A trigger with no safety is allowed. Release triggers are not permitted.
  - (ii) Re-crowning of the barrel is permitted.
  - (iii) Any rest that conforms to (Sec.7.3 Rests), for this class may be used.  
One-piece rests are prohibited.
  - (iv) The rifle may be glass and pillar bedded to the stock; but must be removable from the stock. Only modifications for inletting are allowed to the stock.
  - (v) The butt of the stock may be shortened or lengthened to adjust for Length of Pull. The swivel studs may be removed. The butt plate may be replaced but

must conform to the original shape of the stock and not extend past the edges of the butt of the gun.

(vi) Non-permanent comb changes such as stock sock or padding may be used.

(vii) Replacement of the following factory hardware is allowed: Bolt Knob, Butt Plate, Action Screws.

(viii) Original Equipment Manufacturer parts or parts that are OEM spec'd may

be used to replace the following: firing pin, firing pin spring, mag well, mag release, mag well cover.

(ix) The cocking indicator/loaded round indicator does not have to be functional.

(x) Factory original sights attached to the rifle may be removed to allow for mounting the scope.

(xi). No attachments to the barrel such as a tuner are allowed. A thread protector may be attached solely for the purpose of protecting the threads

and must be flush with the end of the barrel. A rifle that comes from the factory with a muzzle brake must have the muzzle brake removed.

(xii) No other modifications to the rifle are allowed including but not limited

to re-chambering barrel, adding weight to stock or bipod, adding attachments

to the barrel such as a tuner, adding attachments to the stock such as a plate

to the forearm or cheek riser to the stock, and painting the stock.



### 7.3: Rests:

#### 7.3.1: Unlimited Class

a. Any rest, including one-piece rests, may be used as long as they are not fastened in any way to the bench. A vertical spacer under the rest will be allowed as long it contains no adjustments for windage or elevation. The vertical spacer shall not contain any protrusions, which can be inserted into the bench top or sandbag that sits upon it. Any Bipod may be used in place of the front rest. A rail may be added to the stock solely for the purpose of attaching a bipod. If the rail is wider than a standard picatinny rail (~1”) it must be removed if not using a bipod.

#### 7.3.2 Custom and Factory Class

a. A front rest shall support the front part of a rifle: a rear rest shall support the rear part of a rifle; neither rest may be attached to the bench, the rifle, or to the other. The rear sandbag shall be a bag or combination of bags containing

sand only. Zirconium silicate, known as “heavy sand” is allowed. No other metallic sand can be used. A vertical spacer under the rear bag will be allowed as long it contains no adjustments for windage or elevation. The vertical spacer shall not contain any protrusions, which can be inserted into the bench top or sandbag that sits upon it. The rear sandbag shall not be contained in any manner. The rear sandbag cannot in any way be attached to the front rest.

The front sandbag must be such that the rifle can be easily removed in the vertical direction without any front sandbag adjustment. The bag must also be designed to maintain 100% contact with the bottom of the fore-end when in its shooting position. The front bag shall also be a minimum of 1/2 inch thick in the vertical direction within the width of the fore-end. A mechanical or integral support system of the sandbag are allowed, if there is no contact with the Rifle or fore stock. The Rifle must be in contact with the Sandbag only!

Any bipod is permitted as a replacement for the front rest and may be attached to the stock. A rail may be added to the stock solely for the purpose of attaching a bipod. If the rail is wider than a standard picatinny rail (~1”) it must be removed if not using a bipod.

## **8: Ammunition:**

8.1: Any brand of factory loaded .22 caliber Long Rifle ammunition may be used. It must be available for sale over the counter to any individual and consist of the original, unaltered factory cartridge case, powder, and projectile.

8.2: No hand loads are allowed and there shall be no removal, replacement or addition to factory lubrication whether accomplished by dipping into various liquids, removing existing lubes or adding new lubes. Simply stated, the alteration, in ANY MANNER, of Factory ammunition used in IBS Rimfire competition is NOT allowed.

## **9. Scoring:**

9.1: All IBS Rimfire targets shall be scored using the 'Best Edge' scoring method.

9.2: Any first shot on the target that goes anywhere but on the sighter target can be called by notifying the Range Officer. The competitor will inform the scorer and it will not be scored.

When shot placement cannot be determined by visual inspection, an IBS approved reticule will be the only device utilized using the outside diameter of the scribed mark per the caliber used to determine score based on the best edge. The target shall be placed on a flat surface in a well illuminated area. The Scorer shall determine if the referees are needed to decide the shot placement. If the Referees are utilized, the letters "RR" will be placed on the target square in question. If the Scorer can determine the proper score alone, the letter "R" will be placed on the target square which was scored.

9.3: When an identifiable crossfire occurs on another competitor's target, the low value or identifiable shot shall be transferred to the offenders' target and a penalty of one point deducted. A competitor who shoots a crossfire must not fire on his or her own record bull. To do so may result in disqualification; if it is determined that this was an attempt to conceal a crossfire.

9.4: If no identifiable crossfire has occurred, an empty bull is scored as a "O" and is not a disqualification.

9.5: If there is more than one shot on a record bull, and no identifiable crossfire has occurred, the lowest shot on the bull will be scored.

9.6: Any shot that touches the sighter bounding box on a score target is to be counted as a sighter shot.

9.7: If a competitor has a scoring protest, a fee of \$10.00 will be paid to the Match Director and/or Range Officer, and the protest will be reviewed by the Referees assignee for that aggregate. If the results agree with the protestor, the \$10.00 will be refunded. If not, the \$10.00 will be turned over to the Host Club, and the score ruling stands. All targets will remain available for inspection until the end of the protest period.

9.8: Records will be recognized for Unlimited, Custom, Vintage and Factory class rifles.

## 10: **Ties:**

### 10.1: Match Ties

a) Match winners are to be decided by score, then score plus "X" count, then miss and out starting with bull number one and continuing through bull number 10.

10.2: Aggregate scores (average of match scores and 'X' count) shall be kept for 'Shooter of the Year'.

## 11: **Sportsmanship:**

11.1: There shall be no boisterous conduct on the firing line during the firing of any event. A

Rifle Range is no place for pranks and any shooter failing to observe this will be disciplined by the Range Officer.

## 12: **People Down Range:**

12.1: No one is permitted down range for any purpose other than to post and retrieve targets

under the supervision of the Target Captain and Range Officer. Any violation of this rule

will result in disqualification of the offending competitor from the current match and the

remainder of the Aggregate. Range Officer may grant permission to install or remove

sunshades with Range Officer supervision only.

## 13: **Coaching**

Coaching of new and young shooters is permitted but limited to the discretion of

the Referees. In any case, the coaching may not interfere in any way with another

competitor on the line.

Is my rifle approved for Factory IBS competition?

Answer the following questions:

1. Is my rifle magazine or tube fed?

- a. YES... Go to question 2
- b. NO... Your rifle is NOT ARA factory class approved.

2. Is my rifle in current production?

- a. YES ... Go to question 3
- b. NO ... Go to question 4

3. Is my rifle current MSRP under \$1250?

a. YES ... YOUR RIFLE IS FACTORY CLASS APPROVED. It does not need to be listed on the "Approved List".

b. NO ... Go to question 3B below.

3B. Is my rifle on the most current Approved Factory Rifle List?

- a. YES ... YOUR RIFLE IS IBS FACTORY CLASS APPROVED
- b. NO ... Your rifle is NOT IBS factory class approved.

4. Is my rifle on the most current Approved Factory Rifle List?

- a. YES ... YOUR RIFLE IS FACTORY CLASS APPROVED
- b. NO ... Go to question 5

5. Is my rifle specifically EXCLUDED?

a. YES ... Your rifle is NOT factory class approved.

b. NO ... Your rifle is not factory class approved at this time. However, you may complete the FACTORY RIFLE APPROVAL FORM to request that your rifle be added to the approved list.

Factory Class consists of magazine or tube fed rifles currently in production with a MSRP of Less than \$1,250. All rifles in current production and under \$1250 MSRP are Approved and do not need to be specifically listed below. Other rifles may be specifically included or excluded as noted on the lists below. Rifles NOT currently in production must be on this list to be approved for use in the Factory class. If you have a rifle that you would like added to this list and it is NOT in current production, please, click here to complete the Factory Rifle Approval Form. The Approved Factory Rifle list is ONLY for rifles not in current production and other exceptions. Make sure to check both the APPROVED and NOT APPROVED Lists.

APPROVED FACTORY RIFLE LIST  
MANUFACTURER MODEL

Browning All Models except the Model 52

CZ

All factory variants of 452,453,455,512

Discontinued 457 Models: LRP-Gray, Training



Henry All Models

Husqvarna 1622

Marlin All Models EXCEPT all variations of Model 2000

Mossberg

All Model 46 Variations, Model 340B, All  
Models US 44C w/magazine, 240c w/magazine

Norinco NS522

Remington All Models EXCEPT All variations of Model 37,

40X, 504, 513, 540, 541

Ruger All Models

Savage All Models EXCEPT any that are

Savage/Anschutz

Sears Ted Williams Model 34, 42-103-2840

Smith & Wesson All Models

Thompson Center R55 Benchmark

Weatherby Mark XXII (auto)

Winchester All Models EXCEPT Model 52 and Model 75

#### EXCLUDED FACTORY RIFLE LIST

The following list includes rifles not in current production that have been reviewed and are not approved for Factory Class. They may be used in the

“Custom” class or in the Unlimited Class

Anschutz - Not Approved

Browning Model 52 - Not approved

Cooper 57 - Not approved

CZ Bruno, 457 VPT, VPT-MTR - Not Approved  
Kimber - All Models - Not approved  
Lithgow - LA101 - Not Approved  
Marlin Model 2000 Variations - Not Approved  
Remington Models 37, 40X, 504, 513, 540, 541- Not  
approved  
Sako - P94S/FinnFire, Quad - Not Approved  
Savage Anschutz - Not Approved  
Springfield - M2/1922 - Not Approved  
Stevens Ranger - Not approved  
Vudoo Series 1 Renegade - Not Approved  
Winchester Model 52 & 75 - Not Approved

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