

# F A R M

## Fauquier Aero Recreation Modelers – AMA #1654

farmclubrc.com

CLUB MEMBER'S

HANDBOOK

(as of 9 March 2018)

FAUQUIER AERO RECREATION MODELERS, INC.

### FARM Club FLYING SITE RULES

1. Follow FARM club flying site etiquette rules.
2. Field Flying Hours:
  - Friday mornings the mowing crew operations have priority over all flying until completed.
  - For all (motor and engine) fixed wing, helicopter, and drone/multi-copter (drone) flying, the field is open from 10 AM until dusk daily; unless otherwise posted. Drone flying can only be conducted during fixed wing/helicopter operations with the express agreement of all flyers present.
  - For electric (motor) fixed wing, helicopter, and drone flying, unless otherwise posted, the field is open from 8 AM until 10 AM daily; with First-Person View (FPV) drone flying having priority during this period.
  - For drone FPV flying, unless otherwise posted, the field is open from 8 AM to 10 AM or until the first morning fixed wing/helicopter flyers arrive after 10 AM.
  - During the period 10 AM until dusk, non drone FPV flying can only be conducted during fixed wing/helicopter operations with the express agreement of all flyers present.
3. Obey all directions from the FARM Club Field Marshal.
4. Sign-in when arriving at field on the "FARM Club Sign-in log" located in the big green field box.
5. Do not exceed 5 mph driving on flying site property.
6. Always have your current AMA and FARM Club membership cards with you while at the field.
7. No flying models anywhere near people or buildings on property.
8. Always give way to full scale aircraft. See AMA document 540-D on the club's website.
9. No flying in a dangerous manner so as to risk injury to yourself or others. The Field Marshal's judgement in these matters is final.
10. Use frequency control pins at all times.

11. Any guest flying at the FARM club site must be accompanied by a member in good standing; the guest must have a valid AMA card. He or she shall be permitted to fly for one day. After that, the guest would have to join to continue flying at the club site. The one exception would be a guest that is from out of town visiting a member in good standing, not to exceed two weeks.
12. Members and guests are required to use a fuel recovery system. Overflow fuel will be disposed of properly away from the field by you.
13. Lithium based batteries will not be charged inside the hangar, inside the two barns, or in your car/under the car's hood when near other vehicles or the above structures.
14. Fuel turbine or jet aircraft / vehicles are not allowed at the FARM field.
15. Any time model aircraft are being flown at the FARM field the American flag will be put up.

#### FARM Club First-Person View (FPV) rules and regulations

Fauquier Aero Recreation Modelers welcomes First-Person View (FPV) flying (fixed wing, helicopter, and multi-copter/drone (drone)) at our FARM Club flying site in accordance with AMA's outdoor FPV (AMA Document #550) guidelines.

- Fixed wing and helicopter FPV is allowed during normal flying hours from 10:00 AM until dusk.
- Except for dedicated, Club sponsored drone FPV events, all electric (motor) drone FPV flying/racing must be conducted between 8 and 10 AM or until the first morning fixed wing/helicopter flyers arrive after 10 AM or from 5 PM until dusk after the completion of fixed wing/helicopter flying.
- Except for dedicated, Club sponsored, drone FPV events, only one or two course obstacles are allowed and must be placed close to the pilot flight stations for quick removal for safe full-scale operations. Course obstacles must be removed in the morning prior to 10 AM or upon the arrival of the first morning fixed wing/helicopter flyers after 10 AM.
- In all cases, enough dedicated personnel must be present and ready to quickly remove from the runway area all drone FPV course obstacles for the safety of full-scale aircraft operations into and out of the field.
- FARM Club strictly follows FAA FPV 112-95 Section 336 regulations. Although outside of Washington DC-SFRA area, all current FAA regulations will be adhered to by club members.
- In the event of other Club sponsored special flying events being held at the Club field, all drone FPV activities will be suspended until completion of those activities.

## **FARM Club FLYING REGULATIONS**

1. All flyers must be AMA members.
2. All new club members will qualify for “pilot” status in accordance with FARM pilot checkout guidelines.
3. There will be no alcoholic beverages or controlled substances allowed at club flying field.
4. Effective mufflers required on all engines larger than .10 cubic in. (98db limit)
5. Spinners or rounded safety nuts required on all engines.
6. Engines may not be operated at club flying sites before 10:00 a.m.
7. Engines will not be run up in the pit for extended periods.
8. No more than four (4) aircraft in the air at one time.
9. Transmitters will not be turned on unless the individual has the correct frequency pin.
10. Flyers are responsible for damage he or she causes to other(s) Property.
11. If more than four flyers with 2.4 Ghz or one flyer with the same 72Mhz frequency are present, maximum time of frequency pin possession or flying is 15 minutes.
12. All AMA rules and regulations as outlined in your AMA members manual apply.

## FARM Club FLYING SITE ETIQUETTE

1. Each member is responsible for removing his/her trash from the field.
2. All flyers shall perform an adequate aircraft pre-flight inspection and transmitter/receiver range check prior to their first flight/use of the day. All aircraft will be physically restrained, or the provided safety benches used, whenever the aircraft engine is started or the flight battery connected; until the aircraft has been placed on the runway for takeoff. Use of any “transmitter inhibit” function is specifically declared inadequate to meet the intent of this requirement. For larger electric powered aircraft, the use of arming plugs is recommended. All aircraft engines/motors will be shut down/turned off prior to the aircraft reentering the pit area. Under no circumstances will aircraft be taxied out of/into the pit area. In addition, when taxiing back to the runway area adjacent to the pits; flyers may only taxi their aircraft parallel to the safety line and shall not allow their aircraft, while the engine is running or the flight battery connected, to point into the pits.
3. It is not recommended that guests and spectators be allowed in the pit or flying areas.
4. All flying must be kept in front of the runway.
5. Runway usage should be controlled by good communications between flyers.
6. Takeoffs should only commence from runway area of the field.
7. In the event of a dead engine, pilot shall yell “dead-stick”.
8. Engines should not be stopped by contact with spinner or propeller except in emergencies.
9. All pets or animals must be on a leash and away from the flight line at all times.
10. Engine restarts on the runway are not recommended.
11. 72 MHz Transmitters should have the proper frequency flags or number plates clearly visible.
12. If other 2.4 Ghz flyers are waiting to fly or 72 MHz flyers are waiting for a 72 MHz pin, please curtail your flying or your pin possession to 15 minutes.
13. Members and guests are required to use a fuel recovery system. Overflow fuel will be disposed of properly away from the field by you.
14. 3D maneuvers will be conducted past the edge of the runway over the tall grass.

## FARM Club FLIGHT INSTRUCTOR QUALIFICATIONS

Flight Instructors must:

1. Be an active member of the FARM Club for a period of not less than one year.
2. Have two years minimum experience with radio controlled aircraft.
3. Be a current AMA member.
4. Be familiar with AMA safety regulations.
5. Be familiar with FARM Club Flying Site Rules.
6. Prove ability to fly different types of aircraft (high and low wing Trainers, Sport Planes, etc.)
7. Execute a spin recovery.
8. Execute stall turns.
9. Demonstrate ability to adjust various engines settings on different types of engines.
10. Know how to perform pre-flight inspections that include but are not limited to checking center of gravity, control surfaces, servos, engine and servo mounts, and aircraft structure.
11. Demonstrate ground handling abilities.
12. Have a working knowledge of radio equipment to assure proper settings and controls.

### Transmitter

- Landing gear
- Dual rates
- Trim settings
- Exponential

### Receiver

- Antenna
- Servo connector locations

## **FARM Club PILOT CHECKOUT GUIDELINES**

1. Must be checked out by FARM Club qualified instructor.
2. Must have current AMA license and be a FARM club member in good standing.
3. Know club and AMA safety rules.
4. Know all aircraft control surfaces, their functions and the four forces acting upon an aircraft.
5. Able to demonstrate pit safety and preflight inspection procedures.
6. Able to perform satisfactory takeoff and climbout.
7. Execute procedural turn.
8. Execute steady level flight.
9. Execute inside loop.
10. Execute flat horizontal figure 8.
11. Execute horizontal roll.
12. Execute Immelmann turn.
13. Stall airplane and recover.
14. Satisfactory landing on runway.
15. Post flight shutdown and Discussion.