

Ivel MAC -- Racing Competition 2018.

The club is organizing a simple racing competition that will take place within the next couple of months. The event will take all day, it will be held at Macca before the wheat is harvested. There will be an entry fee, possibly £10-£14. The number of entries may have to be limited. **If you wish to enter the competition, please contact Roy Rogers ASAP.** Some of you have already flown the prototype, and others are welcome to carry out test flights before the event.

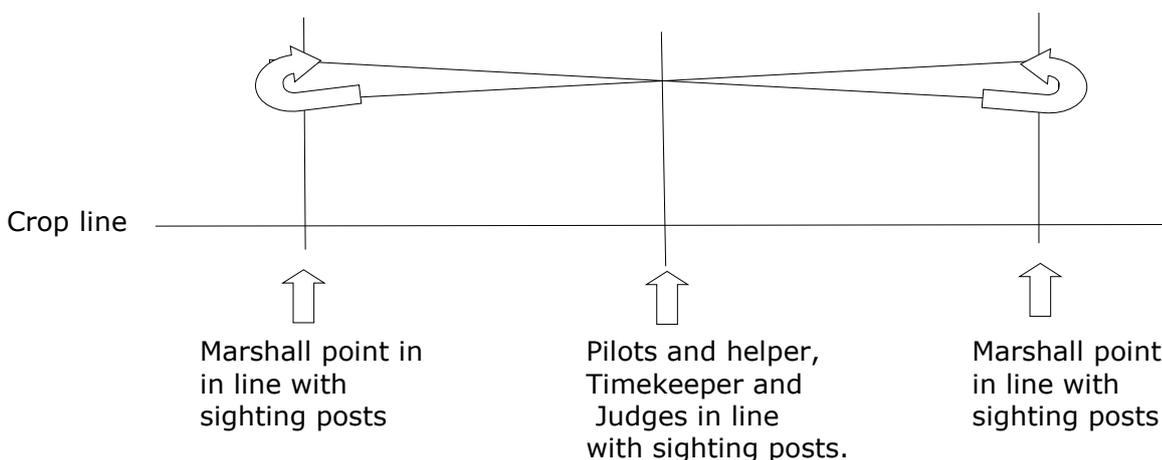
The event will use a single model design, use the same motors, propellers and battery packs. It is a fairly rugged small electric delta. The event will be to race 2 models at a time. Launched together, racing by flying a figure of 8 course between 2 lines, one at each end of the course. Each race will last about 3-4 minutes (TBD), 1st past the post wins. Points will be awarded accordingly.

The models are being provided by the club and the intent is that all members competent to fly solo should be able to compete. The models will all have been set up to handle like a basic trainer, albeit fairly fast. The roll and pitch are deliberately set very soft, even on full rates. However, be aware that the power-off glide angle is only just better than a brick.

Prior to the 1st race, each contestant will get the opportunity to fly one of the models around the course for a couple of minutes. During that flight, the final lap will be timed. Using the times for the timed lap, contestants will be divided in Groups of 4 and will race against each other contestant in the group. Depending on the number of entries, after each contestant has had 3 flights, the top 8 scoring contestants, will move on to the knock out rounds.

There will be a draw to choose the order of contestants for the start of the knock out rounds.

The course is a figure of 8 flown over the crop with the pilots standing at the centre-point of the course but offset from the flying area. For safety considerations, the course is to be flown as a figure of eight with the turns to be away from the marshals/crop line hence a figure of 8. The racing line can be at any reasonable height and any reasonable distance from the crop line. There are not any pylons to fly around, but a line at each end of the course has to be crossed to avoid a cut being called by marshals at each end of the course. The lines will be 150-200 metres apart. Failure to cross the line will result in a cut being called and will require a turn back to cross the line, or loss of the lap.



The pilots will fly from a position in middle of a baseline between the line marshals. The course can be flown at any height and at any reasonable distance away from the baseline. Flying is to be over the crops at all times and not as far out as over the road. Each race will last about 3-4 mins each (TBD) not a set number of laps. The leader crossing the line after 3-4 mins (TBD) have elapsed will be declared winner. Scoring will be based on each individual race, not the best times. 5 points for a win, 3 points for 2nd by crossing the finish line after the winner, 0 points for failure to remain airborne. The models will need to be landed within about 5 minutes to avoid depleting the lipo completely. Please land safely and promptly after the race is over, land at the edge of the crop.

Each pilot will at times, have to act as marshal and as pilots helper.

The winner of the event will be awarded a cup at the Xmas Dinner to keep for a year.