

Moth Survey Results

Date: July 21, 2010

Location: Cedar Hills Sand Prairie

Weather: 20:30, 70°, 0 wind, clear.

22:50, 67°, 0 wind, partly cloudy.

Circuits and Moths per Tree

20:15 – 20:26 N/A

21:36 – 21:43 N/A

Comments

1. Moon 3 days past 1st quarter. Sunset 8:39 p.m.

2. Lights on at 9:05. Lights off at 10:50.

3. Used 80-watt UV/fluor. fixture w. battery packs.

Captures and Time

1. Smallish light moth at UV/fluor. light, env. AA – 21:05
2. Tiny light moth at UV/fluor. light, env. BB – 21:20
3. Smallish dark moth at UV/fluor. light, env. CC – 21:21
4. Smallish dark moth at UV/fluor. light, env. DD – 21:27
5. Small light moth at UV/fluor. light, env. EE – 21:28
6. Small plume moth at UV/fluor. light, env. FF – 21:31
7. Tiny dark moth at UV/fluor. light, env. GG – 21:34
8. Small dark moth at UV/fluor. light, env. HH – 21:35
9. Small black and white moth at UV/fluor. light, env. II – 21:37
10. Medium-small light moth at UV/fluor. light, env. JJ – 21:46
11. Smallish dark moth at UV/fluor. light, env. KK – 21:50
12. Tiny moth at UV/fluor. light, env. LL – 21:51
13. Small light moth at UV/fluor. light, env. MM – 21:56
14. Tiny moth at UV/fluor. light, env. NN – 21:58
15. Smallish dark moth at UV/fluor. light, env. OO – 21:59
16. Small tiger moth at UV/fluor. light, env. PP – 22:01
17. Medium-small moth at UV/fluor. light, env. QQ – 22:03
18. Tiny moth at UV/fluor. light, env. RR – 22:04
19. Tiny boldly marked moth at UV/fluor. light, env. SS – 22:12
20. Small dark moth at UV/fluor. light, env. TT – 22:16
21. Small light moth at UV/fluor. light, env. UU – 22:18
22. Small moth at UV/fluor. light, env. VV – 22:19
23. Smallish orangish moth at UV/fluor. light, env. WW – 22:22
24. Tiny light moth at UV/fluor. light, env. XX – 22:29
25. Medium-small dark moth at UV/fluor. light, env. YY – 22:33
26. Small tiger moth at UV/fluor. light, env. ZZ – 22:37
27. Smallish dark moth at UV/fluor. light, env. AAA – 22:40
28. Very tiny moth at UV/fluor. light, env. BBB – 22:42
29. Possible papaipema moth at UV/fluor. light, env. CCC – 22:44
30. Smallish moth at UV/fluor. light, env. DDD – 22:45

At 9:38 the yellow-tagged battery conked out (after 33 minutes). There were countless small bugs on the sheet and flying in front of the sheet, making the search for moths on the sheet quite a chore. When I turned out the light, there were roughly 25+ moths on the sheet.

And this also: my percentage in capturing moths off the sheet with the killing jar was not at all good compared to nearly all other nights – makes me wonder whether prairie species behave differently from woodland species since my technique wasn't up to the task.