

(5) 亜熱帯地域におけるスッポンの養殖技術の研究 - I 養成飼育の最適密度と最適投餌量について

著者： 照屋忠敬

金本自由生、照屋忠敬

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本研究の結果については、概に、水産増殖、25巻3号、79～83頁(1977)に報告してあるので要約のみ記す。

スッポンの池中養殖の場合の密度と投餌方法等について若干の試験を行い次の事が解った。

1. 一般に低密度の方が日間増重率はよいが 1m^3 当たりの増重量は少ない。
2. 高密度の場合、投餌率を倍にしても日間増重率はあまり変化しない。
3. 1日1回投餌より1日2回投餌の方が、総投餌量が同じでも成長が良い。
4. 低投餌率2回投餌が餌料転換効率が良く、高投餌率1回投餌が悪かった。
5. 水温の低下によって残餌が多くなった。
6. 以上の事により少なくとも、 $1\text{kg}/\text{m}^3$ 以上の密度で、低投餌率多回投餌による養殖が一番効率

が良いと思われる。

密度	投餌率	日間増重率	日間増重量	投餌率	日間増重率	日間増重量
0.5%	1.0	1.0	0.005	1.0	1.0	0.005
1.0%	1.0	1.0	0.010	1.0	1.0	0.010
1.5%	1.0	1.0	0.015	1.0	1.0	0.015
2.0%	1.0	1.0	0.020	1.0	1.0	0.020
2.5%	1.0	1.0	0.025	1.0	1.0	0.025
3.0%	1.0	1.0	0.030	1.0	1.0	0.030
3.5%	1.0	1.0	0.035	1.0	1.0	0.035
4.0%	1.0	1.0	0.040	1.0	1.0	0.040
4.5%	1.0	1.0	0.045	1.0	1.0	0.045
5.0%	1.0	1.0	0.050	1.0	1.0	0.050
5.5%	1.0	1.0	0.055	1.0	1.0	0.055
6.0%	1.0	1.0	0.060	1.0	1.0	0.060
6.5%	1.0	1.0	0.065	1.0	1.0	0.065
7.0%	1.0	1.0	0.070	1.0	1.0	0.070
7.5%	1.0	1.0	0.075	1.0	1.0	0.075
8.0%	1.0	1.0	0.080	1.0	1.0	0.080
8.5%	1.0	1.0	0.085	1.0	1.0	0.085
9.0%	1.0	1.0	0.090	1.0	1.0	0.090
9.5%	1.0	1.0	0.095	1.0	1.0	0.095
10.0%	1.0	1.0	0.100	1.0	1.0	0.100
10.5%	1.0	1.0	0.105	1.0	1.0	0.105
11.0%	1.0	1.0	0.110	1.0	1.0	0.110
11.5%	1.0	1.0	0.115	1.0	1.0	0.115
12.0%	1.0	1.0	0.120	1.0	1.0	0.120
12.5%	1.0	1.0	0.125	1.0	1.0	0.125
13.0%	1.0	1.0	0.130	1.0	1.0	0.130
13.5%	1.0	1.0	0.135	1.0	1.0	0.135
14.0%	1.0	1.0	0.140	1.0	1.0	0.140
14.5%	1.0	1.0	0.145	1.0	1.0	0.145
15.0%	1.0	1.0	0.150	1.0	1.0	0.150
15.5%	1.0	1.0	0.155	1.0	1.0	0.155
16.0%	1.0	1.0	0.160	1.0	1.0	0.160
16.5%	1.0	1.0	0.165	1.0	1.0	0.165
17.0%	1.0	1.0	0.170	1.0	1.0	0.170
17.5%	1.0	1.0	0.175	1.0	1.0	0.175
18.0%	1.0	1.0	0.180	1.0	1.0	0.180
18.5%	1.0	1.0	0.185	1.0	1.0	0.185
19.0%	1.0	1.0	0.190	1.0	1.0	0.190
19.5%	1.0	1.0	0.195	1.0	1.0	0.195
20.0%	1.0	1.0	0.200	1.0	1.0	0.200
20.5%	1.0	1.0	0.205	1.0	1.0	0.205
21.0%	1.0	1.0	0.210	1.0	1.0	0.210
21.5%	1.0	1.0	0.215	1.0	1.0	0.215
22.0%	1.0	1.0	0.220	1.0	1.0	0.220
22.5%	1.0	1.0	0.225	1.0	1.0	0.225
23.0%	1.0	1.0	0.230	1.0	1.0	0.230
23.5%	1.0	1.0	0.235	1.0	1.0	0.235
24.0%	1.0	1.0	0.240	1.0	1.0	0.240
24.5%	1.0	1.0	0.245	1.0	1.0	0.245
25.0%	1.0	1.0	0.250	1.0	1.0	0.250
25.5%	1.0	1.0	0.255	1.0	1.0	0.255
26.0%	1.0	1.0	0.260	1.0	1.0	0.260
26.5%	1.0	1.0	0.265	1.0	1.0	0.265
27.0%	1.0	1.0	0.270	1.0	1.0	0.270
27.5%	1.0	1.0	0.275	1.0	1.0	0.275
28.0%	1.0	1.0	0.280	1.0	1.0	0.280
28.5%	1.0	1.0	0.285	1.0	1.0	0.285
29.0%	1.0	1.0	0.290	1.0	1.0	0.290
29.5%	1.0	1.0	0.295	1.0	1.0	0.295
30.0%	1.0	1.0	0.300	1.0	1.0	0.300
30.5%	1.0	1.0	0.305	1.0	1.0	0.305
31.0%	1.0	1.0	0.310	1.0	1.0	0.310
31.5%	1.0	1.0	0.315	1.0	1.0	0.315
32.0%	1.0	1.0	0.320	1.0	1.0	0.320
32.5%	1.0	1.0	0.325	1.0	1.0	0.325
33.0%	1.0	1.0	0.330	1.0	1.0	0.330
33.5%	1.0	1.0	0.335	1.0	1.0	0.335
34.0%	1.0	1.0	0.340	1.0	1.0	0.340
34.5%	1.0	1.0	0.345	1.0	1.0	0.345
35.0%	1.0	1.0	0.350	1.0	1.0	0.350
35.5%	1.0	1.0	0.355	1.0	1.0	0.355
36.0%	1.0	1.0	0.360	1.0	1.0	0.360
36.5%	1.0	1.0	0.365	1.0	1.0	0.365
37.0%	1.0	1.0	0.370	1.0	1.0	0.370
37.5%	1.0	1.0	0.375	1.0	1.0	0.375
38.0%	1.0	1.0	0.380	1.0	1.0	0.380
38.5%	1.0	1.0	0.385	1.0	1.0	0.385
39.0%	1.0	1.0	0.390	1.0	1.0	0.390
39.5%	1.0	1.0	0.395	1.0	1.0	0.395
40.0%	1.0	1.0	0.400	1.0	1.0	0.400
40.5%	1.0	1.0	0.405	1.0	1.0	0.405
41.0%	1.0	1.0	0.410	1.0	1.0	0.410
41.5%	1.0	1.0	0.415	1.0	1.0	0.415
42.0%	1.0	1.0	0.420	1.0	1.0	0.420
42.5%	1.0	1.0	0.425	1.0	1.0	0.425
43.0%	1.0	1.0	0.430	1.0	1.0	0.430
43.5%	1.0	1.0	0.435	1.0	1.0	0.435
44.0%	1.0	1.0	0.440	1.0	1.0	0.440
44.5%	1.0	1.0	0.445	1.0	1.0	0.445
45.0%	1.0	1.0	0.450	1.0	1.0	0.450
45.5%	1.0	1.0	0.455	1.0	1.0	0.455
46.0%	1.0	1.0	0.460	1.0	1.0	0.460
46.5%	1.0	1.0	0.465	1.0	1.0	0.465
47.0%	1.0	1.0	0.470	1.0	1.0	0.470
47.5%	1.0	1.0	0.475	1.0	1.0	0.475
48.0%	1.0	1.0	0.480	1.0	1.0	0.480
48.5%	1.0	1.0	0.485	1.0	1.0	0.485
49.0%	1.0	1.0	0.490	1.0	1.0	0.490
49.5%	1.0	1.0	0.495	1.0	1.0	0.495
50.0%	1.0	1.0	0.500	1.0	1.0	0.500
50.5%	1.0	1.0	0.505	1.0	1.0	0.505
51.0%	1.0	1.0	0.510	1.0	1.0	0.510
51.5%	1.0	1.0	0.515	1.0	1.0	0.515
52.0%	1.0	1.0	0.520	1.0	1.0	0.520
52.5%	1.0	1.0	0.525	1.0	1.0	0.525
53.0%	1.0	1.0	0.530	1.0	1.0	0.530
53.5%	1.0	1.0	0.535	1.0	1.0	0.535
54.0%	1.0	1.0	0.540	1.0	1.0	0.540
54.5%	1.0	1.0	0.545	1.0	1.0	0.545
55.0%	1.0	1.0	0.550	1.0	1.0	0.550
55.5%	1.0	1.0	0.555	1.0	1.0	0.555
56.0%	1.0	1.0	0.560	1.0	1.0	0.560
56.5%	1.0	1.0	0.565	1.0	1.0	0.565
57.0%	1.0	1.0	0.570	1.0	1.0	0.570
57.5%	1.0	1.0	0.575	1.0	1.0	0.575
58.0%	1.0	1.0	0.580	1.0	1.0	0.580
58.5%	1.0	1.0	0.585	1.0	1.0	0.585
59.0%	1.0	1.0	0.590	1.0	1.0	0.590
59.5%	1.0	1.0	0.595	1.0	1.0	0.595
60.0%	1.0	1.0	0.600	1.0	1.0	0.600
60.5%	1.0	1.0	0.605	1.0	1.0	0.605
61.0%	1.0	1.0	0.610	1.0	1.0	0.610
61.5%	1.0	1.0	0.615	1.0	1.0	0.615
62.0%	1.0	1.0	0.620	1.0	1.0	0.620
62.5%	1.0	1.0	0.625	1.0	1.0	0.625
63.0%	1.0	1.0	0.630	1.0	1.0	0.630
63.5%	1.0	1.0	0.635	1.0	1.0	0.635
64.0%	1.0	1.0	0.640	1.0	1.0	0.640
64.5%	1.0	1.0	0.645	1.0	1.0	0.645
65.0%	1.0	1.0	0.650	1.0	1.0	0.650
65.5%	1.0	1.0	0.655	1.0	1.0	0.655
66.0%	1.0	1.0	0.660	1.0	1.0	0.660
66.5%	1.0	1.0	0.665	1.0	1.0	0.665
67.0%	1.0	1.0	0.670	1.0	1.0	0.670
67.5%	1.0	1.0	0.675	1.0	1.0	0.675
68.0%	1.0	1.0	0.680	1.0	1.0	0.680
68.5%	1.0	1.0	0.685	1.0	1.0	0.685
69.0%	1.0	1.0	0.690	1.0	1.0	0.690
69.5%	1.0	1.0	0.695	1.0	1.0	0.695
70.0%	1.0	1.0	0.700	1.0	1.0	0.700
70.5%	1.0	1.0	0.705	1.0	1.0	0.705
71.0%	1.0	1.0	0.710	1.0	1.0	0.710
71.5%	1.0	1.0	0.715	1.0	1.0	0.715
72.0%	1.0	1.0	0.720	1.0	1.0	0.720
72.5%	1.0	1.0	0.725	1.0	1.0	0.725
73.0%	1.0	1.0	0.730	1.0	1.0	0.730
73.5%	1.0	1.0	0.735	1.0	1.0	0.735
74.0%	1.0	1.0	0.740	1.0	1.0	0.740
74.5%	1.0	1.0	0.745	1.0	1.0	0.745
75.0%	1.0	1.0	0.750	1.0	1.0	0.750
75.5%	1.0	1.0	0.755	1.0	1.0	0.755
76.0%	1.0	1.0	0.760	1.0	1.0	0.760
76.5%	1.0	1.0	0.765	1.0	1.0	0.765
77.0%	1.0	1.0	0.770	1.0	1.0	0.770
77.5%	1.0	1.0	0.775	1.0	1.0	0.775
78.0%	1.0	1.0	0.780	1.0	1.0	0.780
78.5%	1.0	1.0	0.785	1.0	1.0	0.785
79.0%	1.0	1.0	0.790	1.0	1.0	0.790
79.5%	1.0	1.0	0.795	1.0	1.0	0.795
80.0%	1.0	1.0	0.800	1.0	1.0	0.800
80.5%	1.0	1.0	0.805	1.0	1.0	0.805
81.0%	1.0	1.0	0.810	1.0	1.0	0.810
81.5%	1.0	1.0	0.815	1.0	1.0	0.815
82.0%	1.0	1.0	0.820	1.0	1.0	0.820
82.5%	1.0	1.0	0.825	1.0	1.0	0.825
83.0%	1.0	1.0	0.830	1.0	1.0	0.830
83.5%	1.0	1.0	0.835	1.0	1.0	0.835
84.0%	1.0	1.0	0.840	1.0	1.0	0.840
84.5%	1.0	1.0	0.845	1.0	1.0	0.845
85.0%	1.0	1.0	0.850	1.0	1.0	0.850
85.5%	1.0	1.0	0.855	1.0	1.0	0.855
86.0%	1.0	1.0	0.860	1.0	1.0	0.860
86.5%	1.0	1.0	0.865	1.0	1.0	0.865
87.0%	1.0	1.0	0.870	1.0	1.0	0.870
87.5%	1.0	1.0	0.875	1.0	1.0	0.875
88.0%	1.0					