

A Further Contribution on the Biology of *Hypoaerma Lineatum*.

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SEASONAL PREVALENCE of *H. Lineatum* in 1915.

The following table gives the number of flies captured in April and May, the dates on which they were captured, and the meteorological record of these months:—

Date.	No. of Flies Taken.	Sunshine.		Temperature.		Rain.
		hrs.	min.	min.	max.	
				° F.		in.
April 15	Two ♀ <i>H. lineatum</i> taken out of doors.....	10	30	39	74	
" 16	.....	10	36	38	76	
" 17	.....	9	42	35	75	
" 18	.....	Dull.		37	74	
" 19	.....	Dull.		36	66	
" 20	.....	1	54	37	64	0.04
" 21	.....	Dull.		35	71	
" 22	Three ♀ <i>H. lineatum</i> taken.....	7	12	33	70	
" 23	Two " ".....	6	42	31	69	
" 24	One " ".....	3	54	36	70	
" 25	.....	8	00	38	66	
" 26	.....	5	48	42	60	
" 27	Three ♀ <i>H. lineatum</i> taken.....	5	42	39	64	
" 28	Three " ".....	Dull.		33	68	
" 29	.....	9	48	31	56	0.03
" 30	Flies seen at 11 a.m. cold wind.....	Dull.		36	58	
May 1	.....	8	48	35	64	
" 2	One ♀ <i>H. lineatum</i> caught.....	8	24	40	76	0.09
" 3	Three " ".....	11	42	42	72	0.07
" 4	.....	7	00	40	81	
" 5	No flies captured, day warm.....	12	00	40	80	
" 6	Day warm, evidently end of season.....	9	54	39	78	
No more flies seen for the rest of the season.						

The season in 1915 was very early. In 1914 the first *H. lineatum* captured out of doors, was on May 18; however, it is possible that the insects appeared earlier, but were not observed. This year the first flies were taken on April 15.

The temperature records show that *H. lineatum* can withstand comparatively cold weather, and on two occasions they were seen ovipositing on cloudy days. It would be interesting to compare the weather records with those of other countries, for instance, England and Ireland, which have a similar climate to this. Seeing that *H. lineatum* can withstand low temperatures and appear so early in the season, it seems probable that many of the experiments made in Europe for the prevention of egg laying by various dressings, have been started too late in the season. In some of the experiments in Ireland this is quite apparent, and in others it is not made clear whether the animals had been housed